38874

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

RE: Paulk - Paulk

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

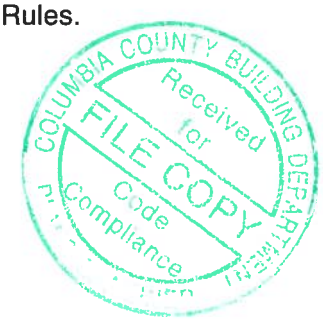
Site Information:
Customer Info: Zack Paulk Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: FL

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

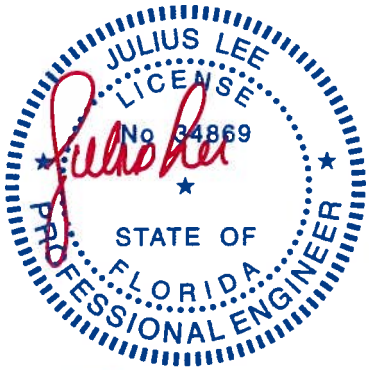
This package includes 91 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T18169128	A1GIR	9/23/19	23	T18169150	C1GE	9/23/19
2	T18169129	A2	9/23/19	24	T18169151	C2	9/23/19
3	T18169130	A3	9/23/19	25	T18169152	C3	9/23/19
4	T18169131	A4	9/23/19	26	T18169153	CJ01	9/23/19
5	T18169132	A5	9/23/19	27	T18169154	CJ02	9/23/19
6	T18169133	A6	9/23/19	28	T18169155	CJ03	9/23/19
7	T18169134	A7	9/23/19	29	T18169156	CJ04	9/23/19
8	T18169135	A8	9/23/19	30	T18169157	CJ05	9/23/19
9	T18169136	A9	9/23/19	31	T18169158	CJ06	9/23/19
10	T18169137	A10	9/23/19	32	T18169159	CJ07	9/23/19
11	T18169138	A11	9/23/19	33	T18169160	D1GIR	9/23/19
12	T18169139	A12	9/23/19	34	T18169161	E1GIR	9/23/19
13	T18169140	A13	9/23/19	35	T18169162	E2	9/23/19
14	T18169141	A14	9/23/19	36	T18169163	E3	9/23/19
15	T18169142	A15	9/23/19	37	T18169164	F1GIR	9/23/19
16	T18169143	A16	9/23/19	38	T18169165	F2	9/23/19
17	T18169144	A17	9/23/19	39	T18169166	F3GIR	9/23/19
18	T18169145	A18GIR	9/23/19	40	T18169167	GIR1	9/23/19
19	T18169146	B1GIR	9/23/19	41	T18169168	GIR2	9/23/19
20	T18169147	B2	9/23/19	42	T18169169	GIR3	9/23/19
21	T18169148	B3	9/23/19	43	T18169170	H12	9/23/19
22	T18169149	B4	9/23/19	44	T18169171	H16	9/23/19



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

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



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 23,2019

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

RE: Paulk - Paulk

Site Information:

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

No.	Seal#	Truss Name	Date
45	T18169172	J1	9/23/19
46	T18169173	J1A	9/23/19
47	T18169174	J1B	9/23/19
48	T18169175	J1C	9/23/19
49	T18169176	J1D	9/23/19
50	T18169177	J1E	9/23/19
51	T18169178	J1F	9/23/19
52	T18169179	J1G	9/23/19
53	T18169180	J1H	9/23/19
54	T18169181	J1K	9/23/19
55	T18169182	J1M	9/23/19
56	T18169183	J1N	9/23/19
57	T18169184	J1P	9/23/19
58	T18169185	J2	9/23/19
59	T18169186	J2AL	9/23/19
60	T18169187	J2AR	9/23/19
61	T18169188	J2BL	9/23/19
62	T18169189	J2BR	9/23/19
63	T18169190	J2H	9/23/19
64	T18169191	J2HR	9/23/19
65	T18169192	J3	9/23/19
66	T18169193	J3AL	9/23/19
67	T18169194	J3AR	9/23/19
68	T18169195	J3BL	9/23/19
69	T18169196	J3BR	9/23/19
70	T18169197	J3H	9/23/19
71	T18169198	J3HR	9/23/19
72	T18169199	J4	9/23/19
73	T18169200	J4BL	9/23/19
74	T18169201	J4H	9/23/19
75	T18169202	J4HR	9/23/19
76	T18169203	J4R	9/23/19
77	T18169204	M1	9/23/19
78	T18169205	M2	9/23/19
79	T18169206	M3	9/23/19
80	T18169207	PB01	9/23/19
81	T18169208	PB02	9/23/19
82	T18169209	PB03	9/23/19
83	T18169210	PB04	9/23/19
84	T18169211	PB05	9/23/19
85	T18169212	PB06	9/23/19
86	T18169213	PB07	9/23/19
87	T18169214	PB08	9/23/19
88	T18169215	PB09	9/23/19
89	T18169216	PB10	9/23/19
90	T18169217	PB11	9/23/19
91	T18169218	PB12	9/23/19

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	A1GIR	Hip Girder	1	2	Job Reference (optional)	T18169128

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:55 2019 Page 1
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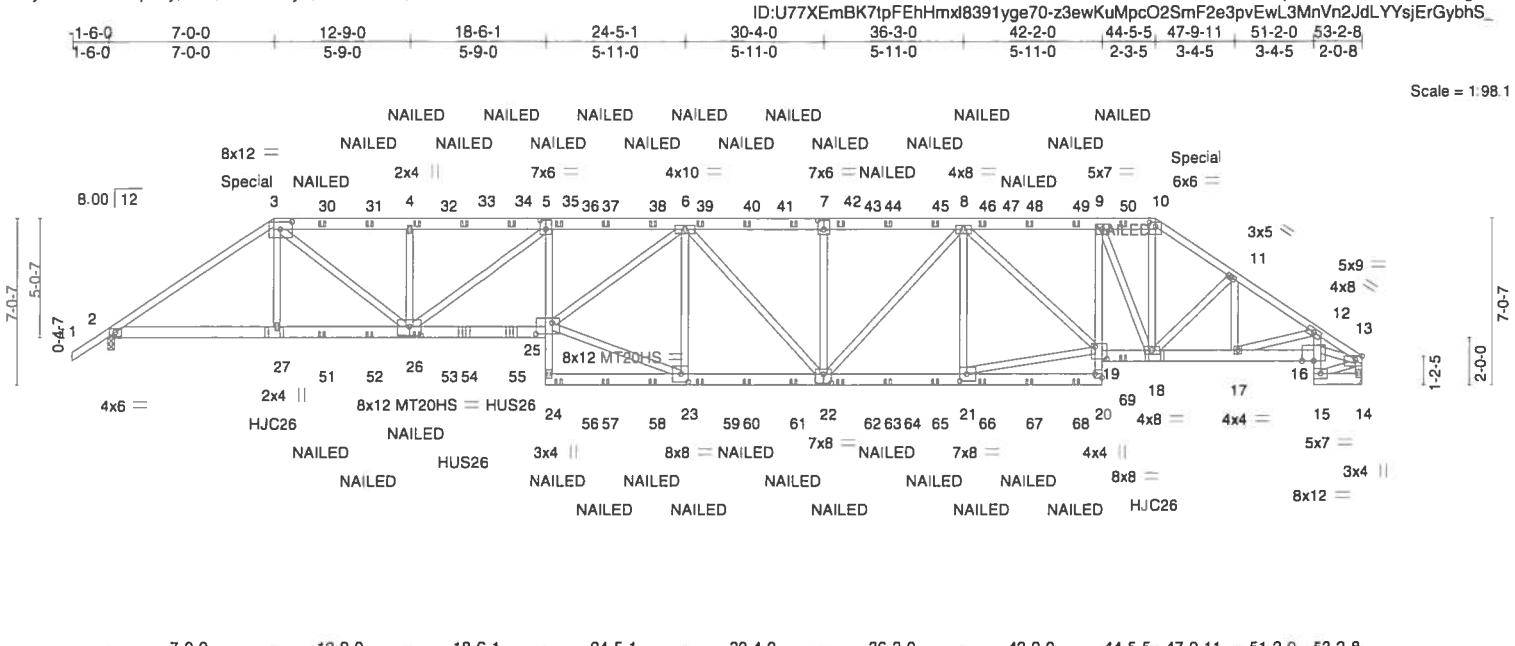


7-0-0 12-9-0 18-6-1 24-5-1 30-4-0 36-3-0 42-2-0 44-5-5 47-9-11 51-2-0 53-2-8
7-0-0 5-9-0 5-9-0 5-11-0 5-11-0 5-11-0 5-11-0 2-3-5 3-4-5 3-4-5 2-0-8

Plate Offsets (X,Y)-- [3:0-6-0,0-3-13], [5:0-3-0,0-4-8], [7:0-3-0,0-4-8], [10:0-3-0,0-2-3], [13:0-3-8,Edge], [19:0-6-0,0-6-4], [20:Edge,0-3-8], [21:0-3-8,0-3-8], [22:0-4-0,0-4-8], [23:0-3-8,0-4-0], [25:0-8-8,0-5-8], [26:0-6-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.43	24	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.85	24	>747	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.34	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 848 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-3: 2x4 SP No.1, 10-13: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
5-24,9-20,12-15: 2x4 SP No.2, 25-26: 2x6 SP SS
WEBS 2x4 SP No.2 *Except*
23-25: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 15-16.

REACTIONS. (lb/size) 2=4369/0-3-8, 14=4129/Mechanical
Max Horz 2=142(LC 24)
Max Uplift 2=-648(LC 8), 14=-634(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7406/1121, 3-4=-9746/1667, 4-5=-9743/1666, 5-6=-12681/2216, 6-7=-8781/1486, 7-8=-8781/1486, 8-9=-7224/1254, 9-10=-5944/1058, 10-11=-7075/1232, 11-12=-7302/1196, 12-13=-8182/1268, 13-14=-4202/658
BOT CHORD 2-27=-809/6096, 26-27=-805/6114, 25-26=-2073/12724, 5-25=-252/1872, 22-23=-1414/9076, 21-22=-1156/7766, 20-21=-87/721, 9-19=-304/2660, 18-19=-1101/7227, 17-18=-915/6054, 16-17=-1088/7209, 12-16=-82/825
WEBS 3-27=0/711, 3-26=-908/4762, 4-26=-707/187, 5-26=-3737/704, 23-25=-1518/9549, 6-25=-807/4544, 6-23=-3197/725, 6-22=-468/127, 7-22=-643/244, 8-22=-263/1600, 8-21=-1357/377, 19-21=-1094/7208, 8-19=-809/76, 9-18=-3402/521, 10-18=-578/3623, 13-16=-898/5986, 13-15=-131/785, 11-18=-325/63, 12-17=-1202/179

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=53ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Refer to girder(s) for truss to truss connections.

Continued on page 2

JULIUS LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 23,2019

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=648, 14=634.
11) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 37-4-9 oc max. starting at 7-0-6 from the left end to 44-4-15 to connect truss(es) to back face of bottom chord.
12) Use USP HUS26 (With 14-16d nails into Girder & 4-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 15-0-12 from the left end to 17-0-12 to connect truss(es) to back face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.
14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 231 lb down and 167 lb up at 7-0-0, and 200 lb down and 155 lb up at 44-5-5 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

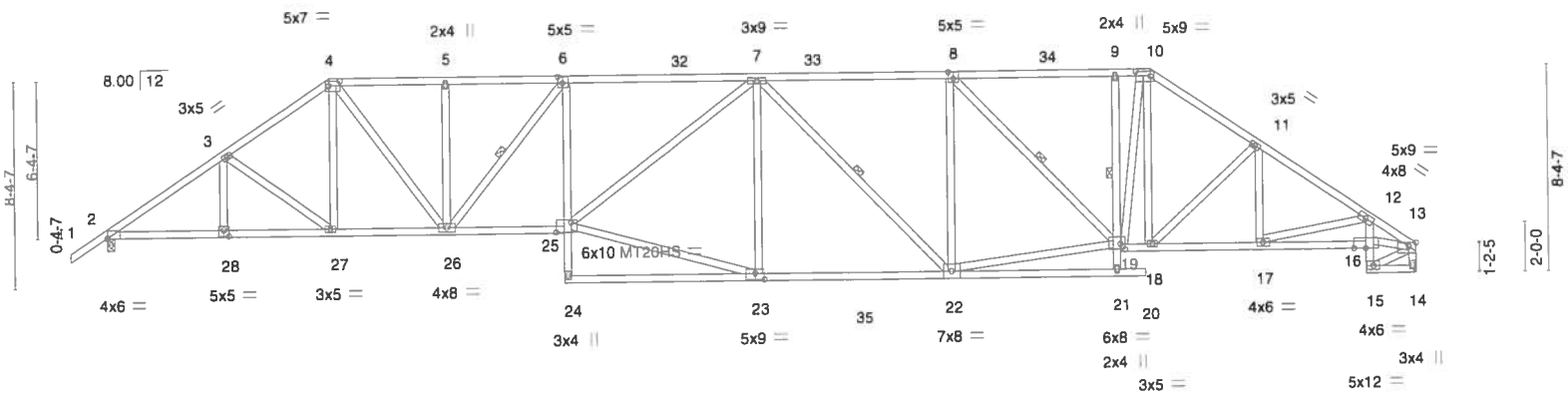
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-10=-60, 10-13=-60, 2-25=-20, 20-24=-20, 16-19=-20, 14-15=-20
   Concentrated Loads (lb)
   Vert: 3=-184(B) 10=-128(B) 27=-357(B) 18=-484(B) 30=-126(B) 31=-126(B) 32=-126(B) 34=47(B) 35=47(B) 36=-126(B) 37=-126(B) 38=-126(B) 39=-126(B) 40=-126(B) 42=-126(B) 43=-104(B) 44=-104(B) 45=-104(B) 46=-104(B) 48=-104(B) 49=-104(B) 50=-120(B) 51=-62(B) 52=-62(B) 53=-62(B) 54=-230(B) 55=-230(B) 56=-54(B) 57=-54(B) 58=-54(B) 59=-54(B) 60=-54(B) 61=-54(B) 62=-31(B) 63=-31(B) 65=-31(B) 66=-31(B) 67=-31(B) 68=-31(B) 69=-71(B)

Job	Truss	Truss Type	Qty	Ply	Paulk	T18169129
PAULK	A2	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:57 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-vSlgkaN380IA?YC0BEyi?m8iPlUknUXq?ACKu8ybhRy

1-6-0	4-8-7	9-0-0	13-9-0	18-6-1	26-4-11	34-3-6	41-0-0	42-5-5	46-9-11	51-2-0	53-2-8
1-6-0	4-8-7	4-3-9	4-9-0	4-9-0	7-10-10	7-10-10	6-8-10	1-5-5	4-4-5	4-4-5	2-0-8

Scale = 1:93.8



4-8-7	9-0-0	13-9-0	18-6-1	26-4-11	34-3-6	41-0-0	42-2-0	46-9-11	51-2-0	53-2-8
4-8-7	4-3-9	4-9-0	4-9-0	7-10-10	7-10-11	6-8-10	1-2-0	4-7-11	4-4-5	2-0-8

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [4:0-5-4,0-2-4], [6:0-2-4,0-3-0], [8:0-2-8,0-3-4], [10:0-7-4,0-2-4], [13:0-3-8,Edge], [19:0-2-4,0-2-8], [23:0-4-8,0-3-0], [25:0-7-4,0-4-12], [28:0-2-8,0-3-0]

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	0.77	Vert(LL)	-0.38	22-23	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.77	22-23	>824	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.35	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 381 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
25-28,20-23: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-26, 7-22, 9-21, 8-19

REACTIONS. (lb/size) 2=2218/0-3-8, 14=2137/Mechanical
Max Horz 2=172(LC 11)
Max Uplift 2=-34(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3510/648, 3-4=-3229/666, 4-5=-3580/773, 5-6=-3580/773, 6-7=-4374/931, 7-8=-3251/743, 8-9=-2805/637, 9-10=-2809/636, 10-11=-3185/665, 11-12=-3514/656, 12-13=-3815/679, 13-14=-2148/387
BOT CHORD 2-28=-442/2858, 27-28=-442/2858, 26-27=-348/2628, 25-26=-684/4366, 6-25=-19/640, 22-23=-561/3548, 18-19=-346/2584, 17-18=-455/2886, 16-17=-612/3383
WEBS 3-27=-359/116, 4-27=-17/313, 4-26=-293/1591, 5-26=-271/120, 6-26=-1297/249, 23-25=-583/3586, 7-25=-164/1064, 7-23=-834/260, 7-22=-487/96, 9-19=-272/113, 12-17=-512/161, 10-18=-59/382, 19-22=-500/3209, 8-19=-740/161, 11-18=-437/149, 10-19=-256/1313, 13-16=-498/2849, 13-15=-74/279

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=53ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 23,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	A3	Hip	1	1	Job Reference (optional)	T18169130

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:59 2019 Page 1
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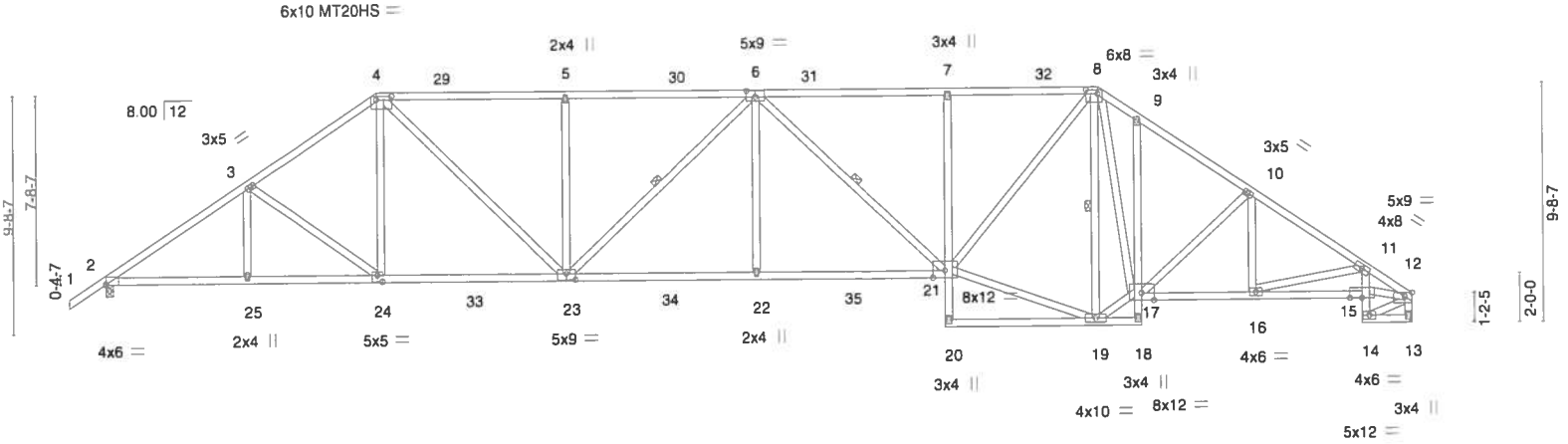
1-6-0	5-8-7	11-0-0	18-8-11	26-5-6	34-2-1	40-5-5	42-2-0	46-8-0	51-2-0	53-2-8
1-6-0	5-8-7	5-3-9	7-8-11	7-8-11	7-8-11	6-3-4	1-8-11	4-6-0	4-6-0	2-0-8

Scale = 1:93.8



5-8-7	11-0-0	18-8-11	26-5-6	34-2-1	40-5-5	42-2-0	46-8-0	51-2-0	53-2-8
5-8-7	5-3-9	7-8-11	7-8-11	7-8-11	6-3-4	1-8-11	4-6-0	4-6-0	2-0-8

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [4:0-7-8,0-1-12], [6:0-4-8,0-3-0], [8:0-5-12,0-2-0], [12:0-3-8,Edge], [23:0-4-8,0-3-0], [24:0-2-8,0-3-4]

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	0.92	Vert(LL)	-0.39	21-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.82	21-22	>781	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.41	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 367 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
21-23: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-23, 6-21, 8-19

REACTIONS. (lb/size) 2=2214/0-3-8, 13=2121/Mechanical
Max Horz 2=200(LC 11)
Max Uplift 2=-36(LC 12)
Max Grav 2=2223(LC 17), 13=2121(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3495/645, 3-4=-3175/659, 4-5=-3554/791, 5-6=-3554/791, 6-7=-3509/790, 7-8=-3494/790, 8-9=-3014/736, 9-10=-3126/670, 10-11=-3488/663, 11-12=-3783/685, 12-13=-2132/391
BOT CHORD 2-25=-426/2957, 24-25=-426/2957, 23-24=-303/2648, 22-23=-561/3940, 21-22=-561/3940, 7-21=-437/203, 16-17=-459/2864, 15-16=-618/3349
WEBS 3-24=-440/152, 4-24=-9/466, 4-23=-270/1452, 5-23=-492/222, 6-23=-540/87, 6-22=0/413, 6-21=-650/87, 19-21=-275/2261, 8-21=-352/2118, 8-19=-1764/287, 17-19=-255/2353, 8-17=-330/1608, 10-17=-472/155, 10-16=0/277, 11-16=-505/163, 12-15=-501/2822, 12-14=-76/283

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=53ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:
September 23,2019

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	A4	PIGGYBACK BASE	1	1	Job Reference (optional)	T18169131

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:01 2019 Page 1
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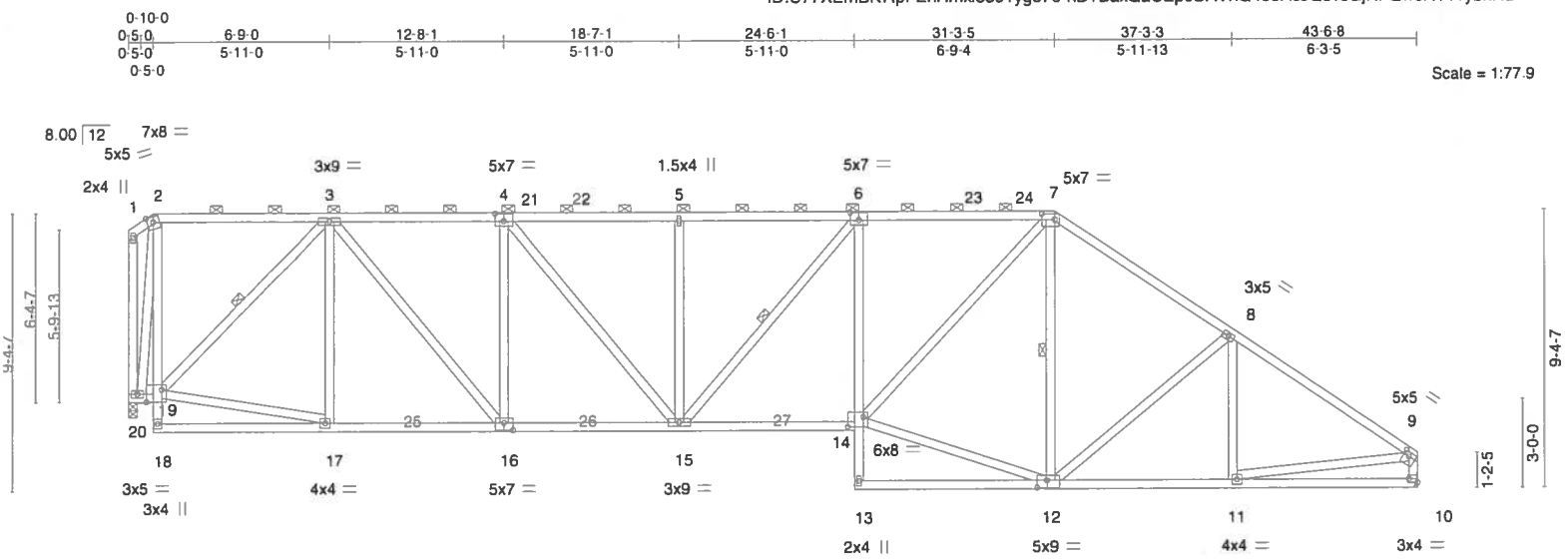

0-5-0	6-9-0	12-8-1	18-7-1	24-6-1	31-3-5	37-3-3	43-6-8
0-5-0	6-4-0	5-11-0	5-11-0	5-11-0	6-9-4	5-11-13	6-3-5

Plate Offsets (X,Y)-- [4:0-3-8,0-3-0], [6:0-3-8,0-3-0], [7:0-5-4,0-2-4], [9:0-2-4,0-1-12], [10:Edge,0-1-8], [12:0-4-0,0-3-0], [14:0-6-4,0-4-0], [16:0-3-8,0-3-0], [19:0-6-4,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.18	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.39	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 328 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-10-13 max.): 2-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15, 7-12, 3-19

REACTIONS. (lb/size) 20=1730/0-3-8, 10=1730/Mechanical
Max Horz 20=-224(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-261/141, 3-4=-2210/544, 4-5=-2617/619, 5-6=-2617/619, 6-7=-2695/634, 7-8=-2129/503, 8-9=-2316/439, 9-10=-1663/335
BOT CHORD 19-20=-240/336, 2-19=-239/1200, 16-17=-110/1455, 15-16=-264/2230, 14-15=-354/2702, 6-14=-384/165, 11-12=-295/1845
WEBS 3-16=-257/1258, 4-16=-845/266, 4-15=-136/643, 5-15=-352/163, 12-14=-199/1734, 7-14=-241/1502, 7-12=-341/59, 8-12=-320/141, 9-11=-225/1638, 17-19=-114/1270, 3-19=-1723/413, 2-20=-1334/272

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) 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) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169132
PAULK	A5	PIGGYBACK BASE	5	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:02 2019 Page 1
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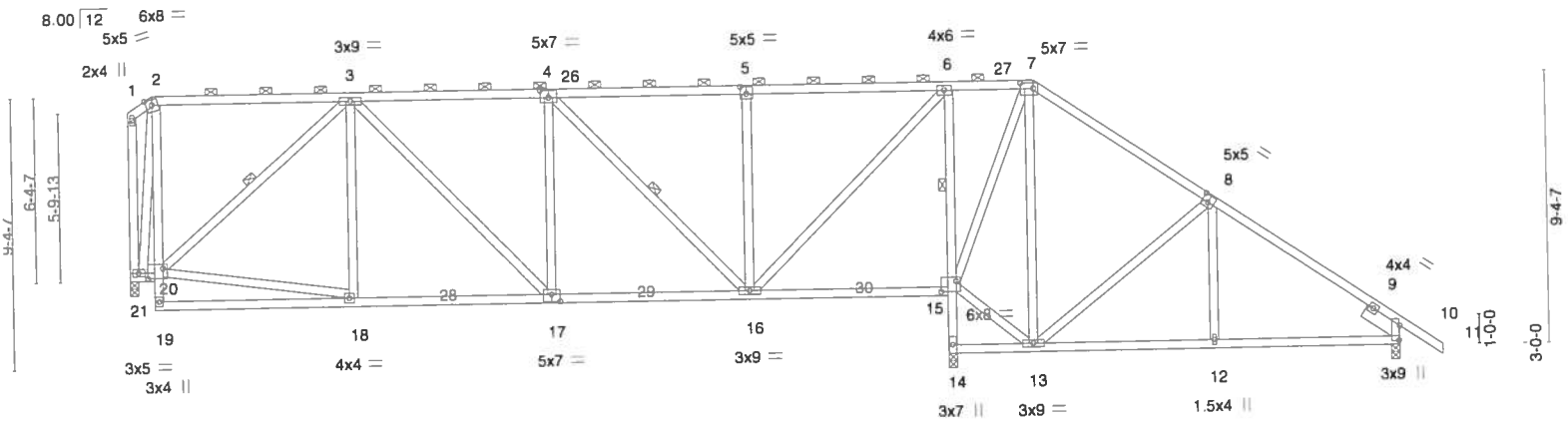

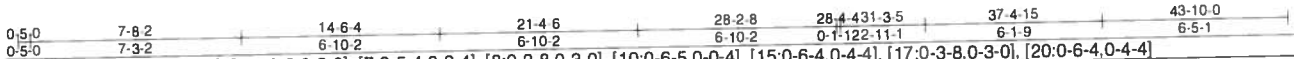

Plate Offsets (X,Y)-- [4:0-3-8,0-3-0], [5:0-2-8,0-3-0], [7:0-5-4,0-2-4], [8:0-2-8,0-3-0], [10:0-6-5,0-0-4], [15:0-6-4,0-4-4], [17:0-3-8,0-3-0], [20:0-6-4,0-4-4]

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	0.51	Vert(LL)	-0.07	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.13	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 323 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-4-12 max.): 2-7.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-15
WEBS 1 Row at midpt 4-16, 3-20

REACTIONS. (lb/size) 21=1045/0-3-8, 14=1977/0-3-8, 10=562/0-3-8
Max Horz 21=-228(LC 8)
Max Uplift 21=-12(LC 12), 14=-90(LC 12), 10=-201(LC 12)
Max Grav 21=1055(LC 21), 14=1977(LC 1), 10=563(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1051/364, 4-5=-683/311, 5-6=-683/311, 6-7=0/334, 7-8=-199/285, 8-10=-466/439
BOT CHORD 20-21=-275/352, 2-20=-129/649, 17-18=0/928, 16-17=-2/1086, 15-16=-321/221, 14-15=-1965/554, 6-15=-1274/305, 12-13=-236/319, 10-12=-238/321
WEBS 3-17=-110/269, 4-16=-572/77, 5-16=-426/197, 6-16=-239/1348, 7-15=-716/388, 7-13=-402/405, 8-13=-467/367, 8-12=-150/264, 18-20=0/791, 3-20=-988/306, 2-21=-873/218

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 14 except (jt=lb) 10=201.
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.
8) 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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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

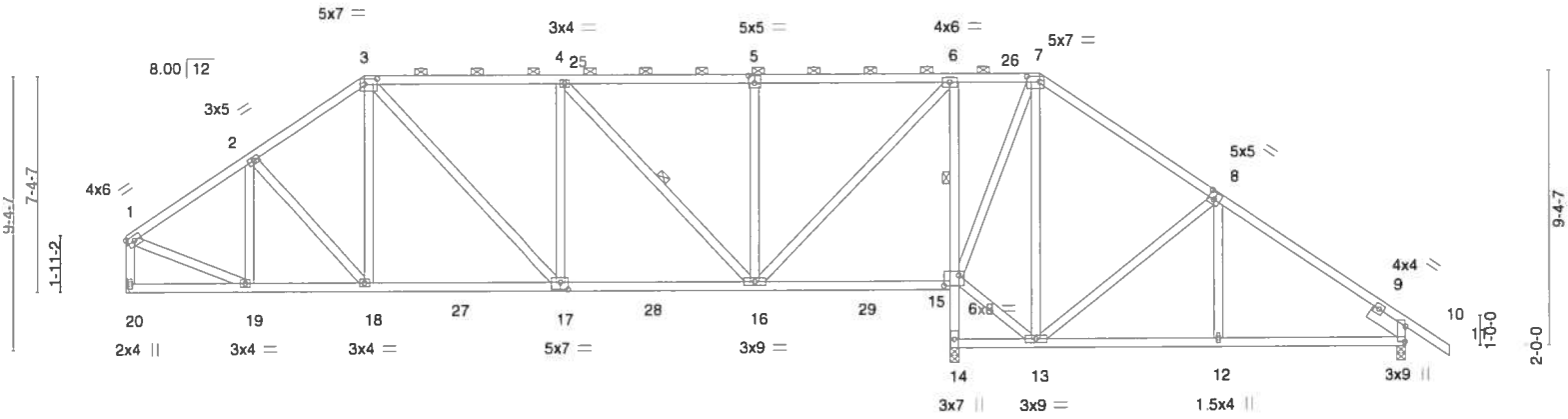
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Paulk	T18169133
PAULK	A6	PIGGYBACK BASE	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:04 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-CogKCzTSV9BBLdEM5CaLoFxzl7xywktscmOCeEybhRr

4-2-12	8-2-0	14-10-3	21-6-5	28-2-8	31-3-5	37-4-15	43-10-0	45-4-0
4-2-12	3-11-4	6-8-3	6-8-3	6-8-3	3-0-13	6-1-9	6-5-1	1-6-0

Scale = 1:79.2



4-2-12	8-2-0	14-10-3	21-6-5	28-2-8	28-4-4 31-3-5	37-4-15	43-10-0
4-2-12	3-11-4	6-8-3	6-8-3	6-8-3	0-1-12 2-11-1	6-1-9	6-5-1

Plate Offsets (X,Y)-- [3:0-5-4,0-2-4], [5:0-2-8,0-3-0], [7:0-5-4,0-2-4], [8:0-2-8,0-3-0], [10:0-6-5,0-0-4], [15:0-6-0,0-4-4], [17:0-3-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.06	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.13	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 298 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-1-15 max.): 3-7.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-15
WEBS 1 Row at midpt 4-16

REACTIONS. (lb/size) 20=1050/Mechanical, 14=1965/0-3-8, 10=570/0-3-8
Max Horz 20=-184(LC 10)
Max Uplift 20=-12(LC 12), 14=-90(LC 12), 10=-200(LC 12)
Max Grav 20=1062(LC 17), 14=1965(LC 1), 10=579(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1087/253, 2-3=-1127/321, 3-4=-1043/358, 4-5=-668/305, 5-6=-668/305, 6-7=0/319, 7-8=-197/287, 8-10=-492/438, 1-20=-1014/226
BOT CHORD 18-19=0/957, 17-18=0/970, 16-17=-17/1106, 15-16=-300/218, 14-15=-1953/547, 6-15=-1268/298, 12-13=-235/340, 10-12=-237/342
WEBS 2-19=-271/106, 3-17=-82/293, 4-16=-605/77, 5-16=-408/189, 6-16=-230/1346, 7-15=-701/386, 7-13=-400/408, 8-13=-467/367, 8-12=-150/264, 1-19=-147/858

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) 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) 20, 14 except (jt=lb) 10=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.
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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September 23,2019

Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	A7	PIGGYBACK BASE	3	1	T18169134
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:05 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-g_EiQJT4FTJ2znpZfv5aKST8cXEAf9J0rP8mAhybhRq

2-6-0	8-2-0	14-10-3	21-6-5	28-2-8	31-3-5	37-4-15	43-10-0	45-4-0
2-6-0	5-8-0	6-8-3	6-8-3	6-8-3	3-0-13	6-1-9	6-5-1	1-6-0

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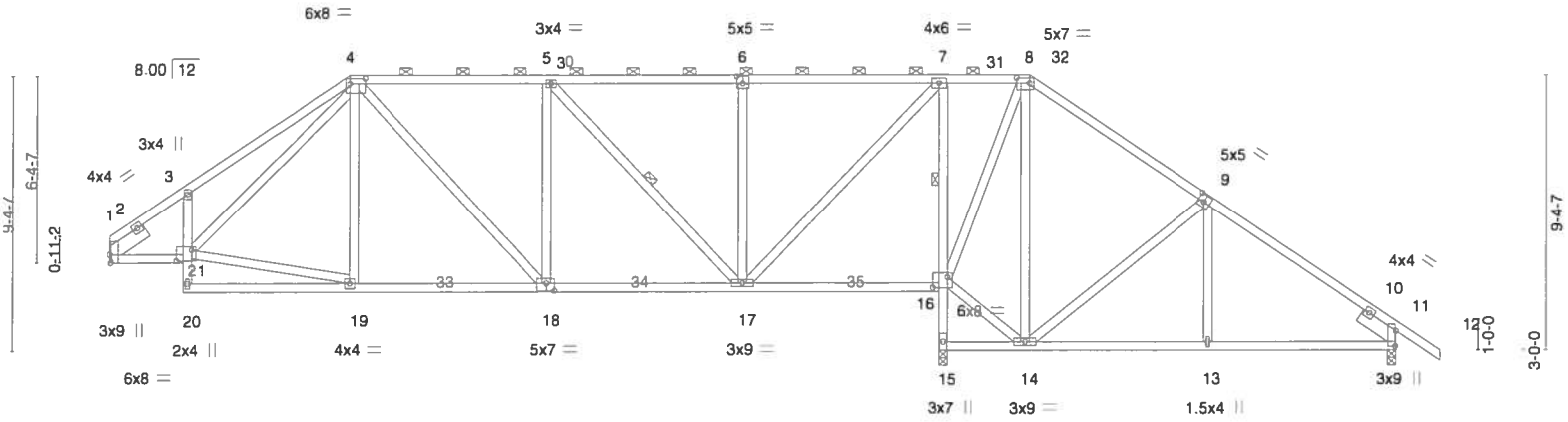

2-6-0	8-2-0	14-10-3	21-6-5	28-2-8	28-4 4 31-3 5	37-4-15	43-10-0
2-6-0	5-8-0	6-8-3	6-8-3	6-8-3	0-1-12 2-11-1	6-1-9	6-5-1

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [4:0-6-4,0-2-4], [6:0-2-8,0-3-0], [8:0-5-4,0-2-4], [9:0-2-8,0-3-0], [11:0-6-5,0-0-4], [16:0-6-0,0-4-4], [18:0-3-4,0-3-0], [21:0-6-4,0-4-8]

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	0.50	Vert(LL)	-0.07	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.14	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.02	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 303 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-3-11 max.): 4-8.
BOT CHORD Rigid ceiling directly applied. Except: 1 Row at midpt 7-16
WEBS 1 Row at midpt 5-17

REACTIONS. (lb/size) 1=1042/Mechanical, 15=2009/0-3-8, 11=546/0-3-8
Max Horz 1=152(LC 11)
Max Uplift 1=-9(LC 12), 15=-94(LC 12), 11=-200(LC 12)
Max Grav 1=1058(LC 17), 15=2009(LC 1), 11=563(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1375/275, 3-4=-1452/427, 4-5=-1025/362, 5-6=-642/303, 6-7=-642/303, 7-8=0/379, 8-9=-164/279, 9-11=-467/431
BOT CHORD 1-21=-45/1156, 18-19=0/962, 17-18=-24/1075, 16-17=-348/229, 15-16=-1996/562, 7-16=-1290/306, 13-14=-229/320, 11-13=-231/321
WEBS 19-21=0/825, 4-21=-131/386, 4-18=-66/270, 5-17=-623/87, 6-17=-411/190, 7-17=-242/1371, 8-16=-756/396, 8-14=-405/430, 9-14=-471/368, 9-13=-151/265

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 15 except (jt=lb) 11=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.
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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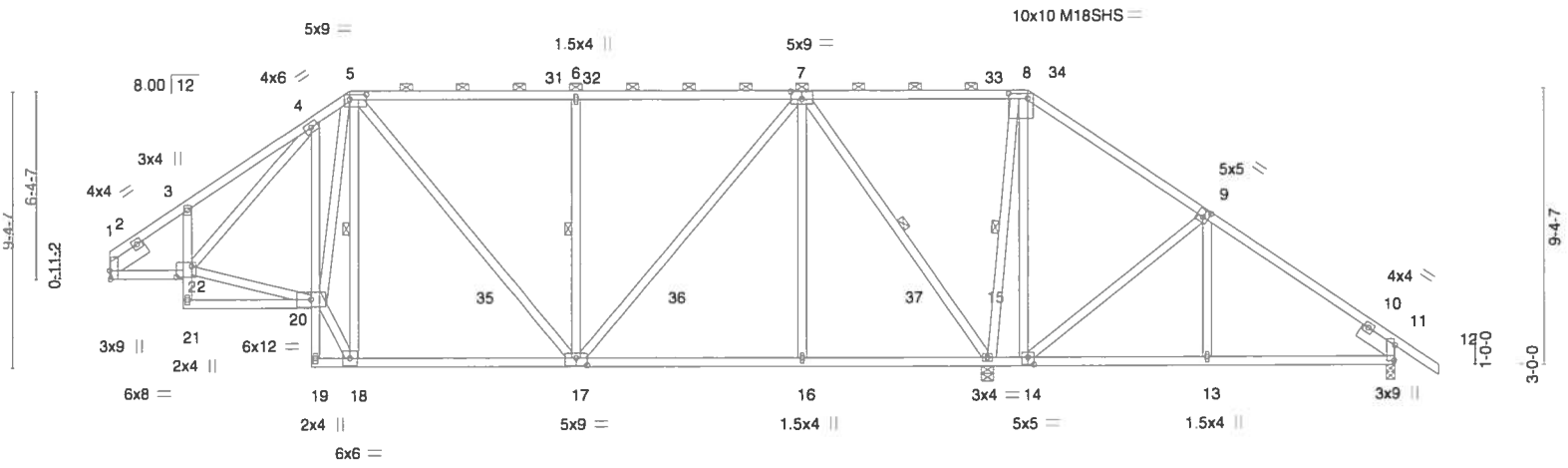
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	A8	PIGGYBACK BASE	1	1	Job Reference (optional)	T18169135

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:07 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-cNMSr?VLn4ZIC5zxmK72PtZQBKwX71rJJjdsFZybhRo

2-6-0	6-10-1	8-2-0	15-10-7	23-6-14	31-3-5	37-4-15	43-10-0	45-4-0
2-6-0	4-4-1	1-3-15	7-8-7	7-8-7	7-8-7	6-1-9	6-5-1	1-6-0

Scale = 1:78.6



2-6-0	6-10-1	8-2-0	15-10-7	23-6-14	29-10-12	31-3-5	37-4-15	43-10-0
2-6-0	4-4-1	1-3-15	7-8-7	7-8-7	6-3-14	1-4-9	6-1-9	6-5-1

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [5:0-6-12,0-2-0], [7:0-4-8,0-3-0], [8:0-7-12,0-2-0], [9:0-2-4,0-3-0], [11:0-6-5,0-0-4], [14:0-2-8,0-3-0], [17:0-4-8,0-3-0], [22:0-6-4,0-4-8]

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	0.75	Vert(LL)	-0.10	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.19	16-17	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.06	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 327 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 1=1080/Mechanical, 15=2132/0-4-15, 11=384/0-3-8
Max Horz 1=152(LC 11)
Max Uplift 1=-6(LC 12), 15=-83(LC 12), 11=-184(LC 12)
Max Grav 1=1122(LC 17), 15=2151(LC 2), 11=415(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1473/281, 3-4=-1490/393, 4-5=-1088/372, 5-6=-906/368, 6-7=-906/368, 7-8=0/442, 8-9=0/496, 9-11=-245/344
BOT CHORD 1-22=-46/1222, 17-18=0/822, 16-17=0/500, 15-16=0/500, 14-15=-308/155
WEBS 20-22=0/899, 4-22=-88/393, 18-20=0/1432, 5-20=-70/1065, 5-18=-884/52, 5-17=-61/251, 6-17=-476/220, 7-17=-106/656, 7-16=0/392, 7-15=-1518/257, 8-15=-877/425, 8-14=-346/312, 9-14=-488/371, 9-13=-158/282

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 15 except (jt=lb) 11=184.
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:
September 23,2019

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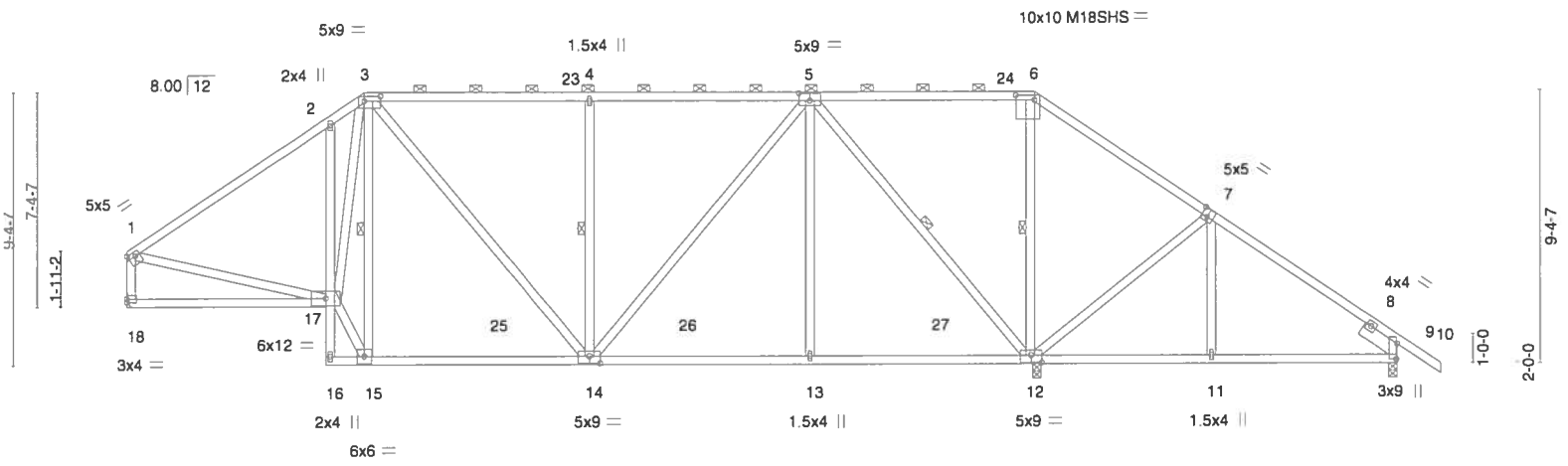
Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	A9	PIGGYBACK BASE	1	1	Job Reference (optional)	T18169136

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:08 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-4Zwr2LWzYOhcqEY8K2eHy55bDkHesS9SXNMQn?ybhRn

6-10-1	8-2-0	15-11-0	23-6-5	31-3-5	37-4-15	43-10-0	45-4-0
6-10-1	1-3-15	7-9-0	7-7-4	7-9-0	6-1-9	6-5-1	1-6-0

Scale = 1:79.3



6-10-1	8-2-0	15-11-0	23-6-5	31-3-5	31-4-4	37-4-15	43-10-0
6-10-1	1-3-15	7-9-0	7-7-4	7-9-0	0-0-15	6-0-11	6-5-1

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [3:0-6-12,0-2-0], [5:0-4-8,0-3-0], [6:0-7-12,0-2-0], [7:0-2-8,0-3-4], [9:0-6-5,0-0-4], [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	0.73	Vert(LL)	-0.09	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.18	14-15	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 303 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-11-7 max.): 3-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-15, 4-14, 5-12, 6-12

REACTIONS. (lb/size) 18=1145/Mechanical, 12=2069/0-3-8, 9=370/0-3-8
Max Horz 18=-184(LC 10)
Max Uplift 18=-7(LC 12), 12=-76(LC 12), 9=-172(LC 12)
Max Grav 18=1192(LC 17), 12=2097(LC 2), 9=393(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1357/297, 2-3=-1253/404, 3-4=-1020/375, 4-5=-1020/375, 5-6=0/343, 6-7=0/472, 7-9=-231/307, 1-18=-1115/255
BOT CHORD 17-18=-100/271, 2-17=-288/190, 14-15=0/892, 13-14=0/713, 12-13=0/713
WEBS 15-17=0/1576, 3-17=-83/1235, 3-15=-968/24, 3-14=-84/338, 4-14=-475/220, 5-14=-92/545, 5-13=0/428, 5-12=-1544/243, 6-12=-585/108, 7-12=-477/385, 7-11=-171/259, 1-17=-117/936

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 12 except (jt=lb) 9=172.
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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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314

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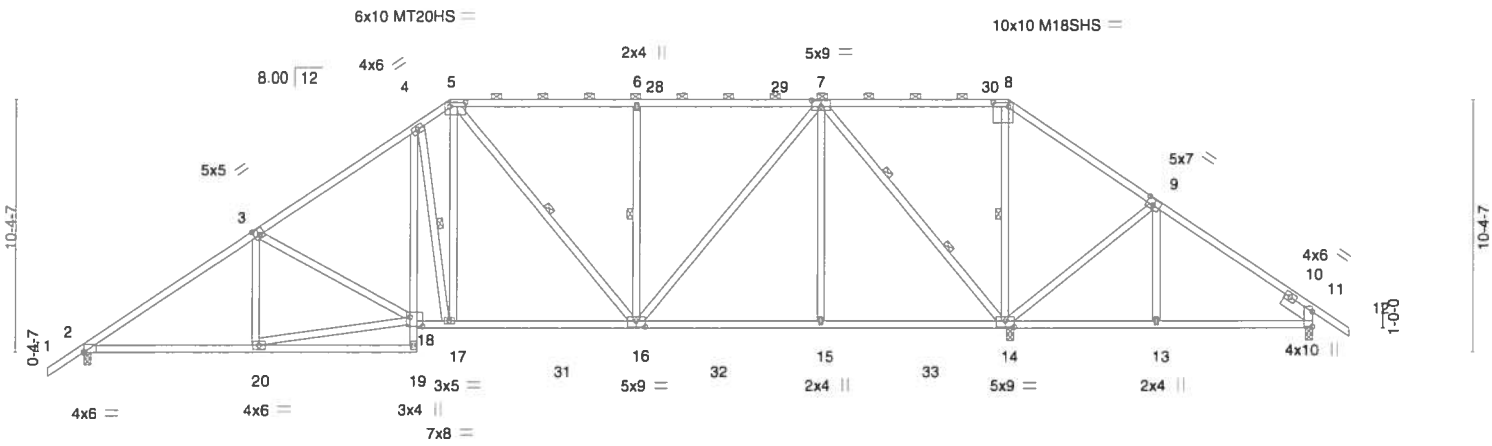
Job	Truss	Truss Type	Qty	Ply	Paulk	T18169137
PAULK	A10	PIGGYBACK BASE	4	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:32 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-8elDV14O1K9jWioDDU?qVVcQhDzMQBz9FneWX5ybhSL

1-6-0 | 7-0-7 | 13-8-1 | 15-0-0 | 22-9-0 | 30-4-5 | 38-1-5 | 44-2-15 | 50-8-0 | 52-2-0
1-6-0 | 7-0-7 | 6-7-9 | 1-3-15 | 7-9-0 | 7-7-4 | 7-9-0 | 6-1-9 | 6-5-1 | 1-6-0

Scale: 1/8"=1'



7-0-7 | 13-8-1 | 15-0-0 | 22-9-0 | 30-4-5 | 38-1-5 | 38-2-4 | 44-2-15 | 50-8-0
7-0-7 | 6-7-9 | 1-3-15 | 7-9-0 | 7-7-4 | 7-9-0 | 0-0-15 | 6-0-11 | 6-5-1

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [3:0-2-8,0-3-4], [5:0-7-12,0-2-0], [7:0-4-8,0-3-0], [8:0-7-12,0-2-0], [9:0-3-8,0-3-0], [14:0-4-8,0-3-0], [16:0-4-8,0-3-0], [18:0-6-4,0-4-8]

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	0.77	Vert(LL)	-0.14	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.27	16-17	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.08	14	n/a	n/a	M18SHS	244/190
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 342 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-2-5 max.): 5-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-17, 5-16, 6-16, 8-14
2 Rows at 1/3 pts 7-14

REACTIONS. (lb/size) 2=1488/0-3-8, 14=2512/0-3-8, 11=233/0-3-8
Max Horz 2=-214(LC 10)
Max Uplift 2=-43(LC 12), 14=-82(LC 12), 11=-165(LC 12)
Max Grav 2=1502(LC 17), 14=2530(LC 2), 11=298(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2185/406, 3-4=-1948/445, 4-5=-1719/483, 5-6=-1344/420, 6-7=-1344/420, 7-8=0/548, 8-9=0/715, 9-11=-171/420
BOT CHORD 2-20=-253/1886, 4-18=-107/505, 17-18=-117/1588, 16-17=-78/1519, 15-16=0/785, 14-15=0/785, 13-14=-263/0, 11-13=-261/0
WEBS 18-20=-273/1722, 3-18=-415/165, 4-17=-619/232, 5-17=-147/828, 6-16=-474/219, 7-16=-161/968, 7-15=0/427, 7-14=-1974/313, 8-14=-708/138, 9-14=-499/392, 9-13=-175/269

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=51ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14 except (jt=lb) 11=165.
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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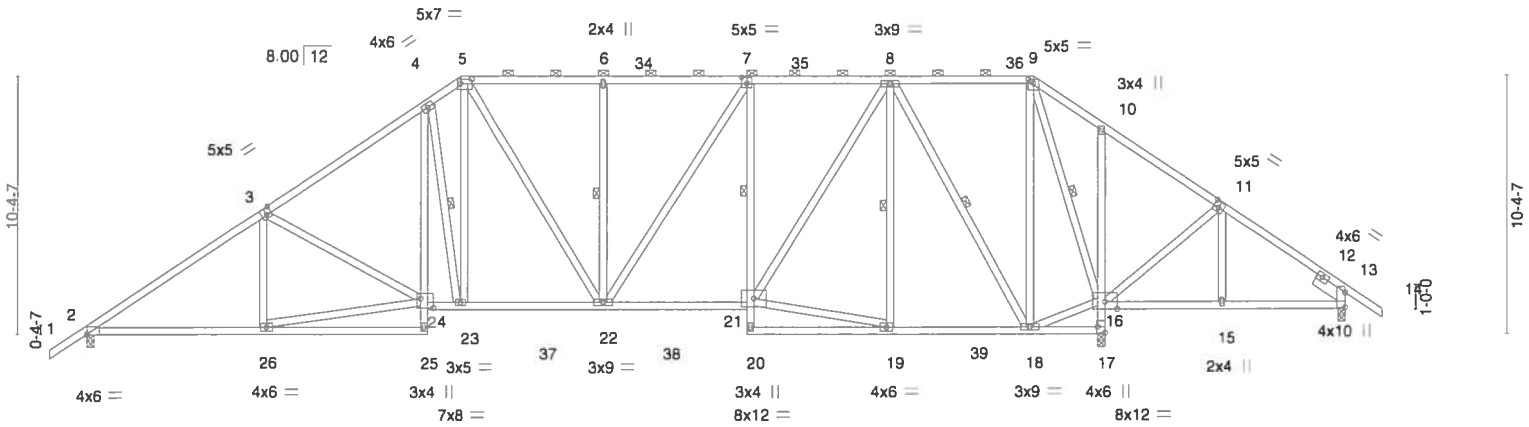
Job	Truss	Truss Type	Qty	Ply	Paulk	T18169138
PAULK	A11	PIGGYBACK BASE	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:33 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-cqlciN50oeHa7sMPnBW31i8gSdK?9ePIURN33XybhSK

1-6-0	7-0-7	13-8-1	15-0-0	20-9-4	26-6-7	32-3-14	38-1-5	41-0-0	45-8-4	50-8-0	52-2-0
1-6-0	7-0-7	6-7-9	1-3-15	5-9-4	5-9-4	5-9-7	5-9-7	2-10-11	4-8-4	4-11-12	1-6-0

Scale = 1:93.1



7-0-7	13-8-1	15-0-0	20-9-4	26-6-7	32-3-14	38-1-5	41-0-0	45-8-4	50-8-0
7-0-7	6-7-9	1-3-15	5-9-4	5-9-4	5-9-7	5-9-7	2-10-11	4-8-4	4-11-12

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [3:0-2-8,0-3-4], [5:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-2-8,0-1-13], [11:0-2-8,0-3-0], [17:Edge,0-3-8], [24:0-6-4,0-4-8]

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	0.45	Vert(LL)	-0.14	21-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.28	21-22	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.12	17	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 404 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-2-4 max.): 5-9.
BOT CHORD Rigid ceiling directly applied. Except: 1 Row at midpt 7-21
WEBS 1 Row at midpt 4-23, 6-22, 8-19, 8-18, 9-16

REACTIONS. (lb/size) 2=1659/0-3-8, 17=2365/0-3-8, 13=209/0-3-8
Max Horz 2=-214(LC 10)
Max Uplift 2=-38(LC 12), 17=-79(LC 12), 13=-125(LC 12)
Max Grav 2=1660(LC 21), 17=2365(LC 1), 13=262(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2463/448, 3-4=-2267/491, 4-5=-2049/546, 5-6=-1771/477, 6-7=-1771/477, 7-8=-1558/444, 8-9=-285/220, 9-10=0/509, 10-11=0/512, 11-13=-89/282
BOT CHORD 2-26=-287/2115, 4-24=-91/570, 23-24=-154/1858, 22-23=-115/1758, 21-22=-111/1640, 7-21=-627/203, 18-19=-15/979, 16-17=-2341/597
WEBS 24-26=-299/1948, 3-24=-385/159, 4-23=-736/251, 5-23=-200/852, 5-22=-47/318, 6-22=-360/167, 7-22=-57/368, 19-21=-13/1000, 8-21=-172/1200, 8-18=-1522/275, 9-18=-222/1359, 16-18=0/303, 9-16=-1895/268, 11-16=-388/294

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=51ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17 except (jt=lb) 13=125.
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.
8) 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:
September 23,2019

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MiTek
6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169139
PAULK	A12	PIGGYBACK BASE	2	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:35 2019 Page 1
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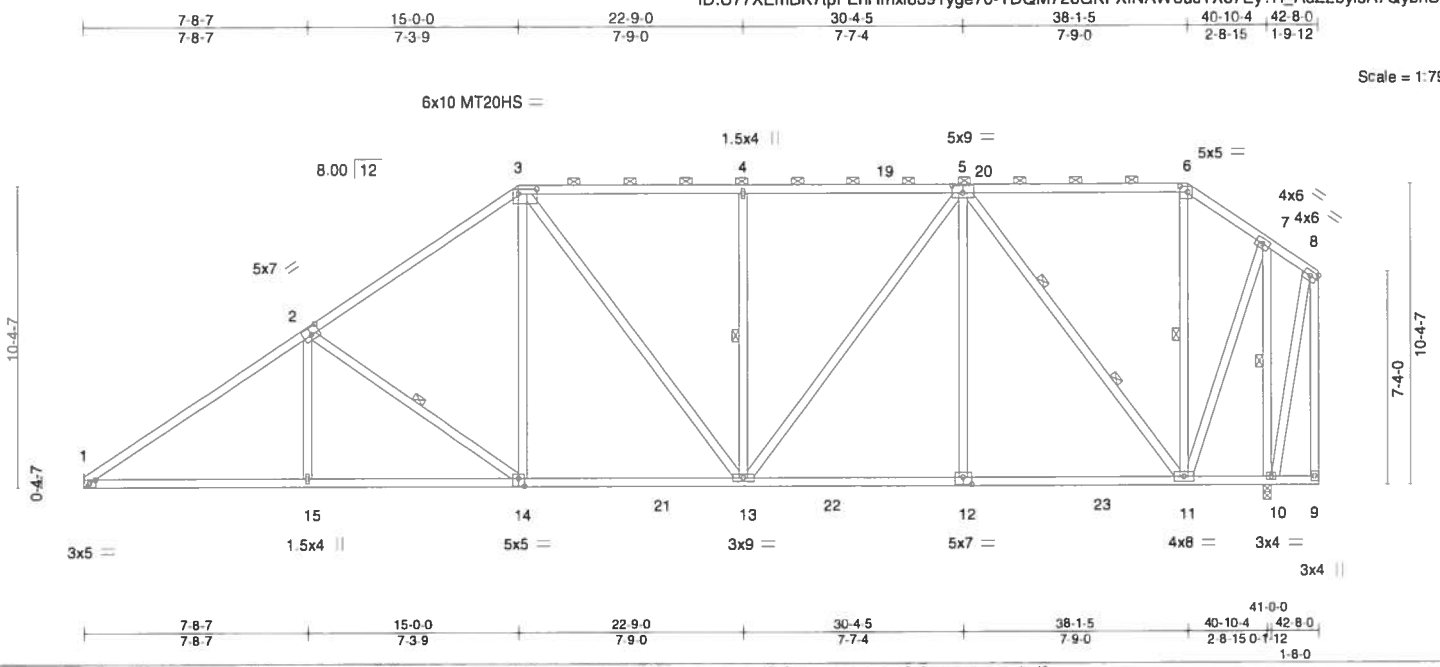

Plate Offsets (X,Y)-- [1:0-2-9,0-1-8], [2:0-3-8,0-3-0], [3:0-7-12,0-2-0], [5:0-4-8,0-3-0], [6:0-3-4,0-2-4], [12:0-3-8,0-3-0], [14:0-2-8,0-3-4]

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	0.71	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.37	13-14	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 312 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-3-14 max.): 3-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-14, 4-13, 6-11, 7-10
2 Rows at 1/3 pts 5-11

REACTIONS. (lb/size) 1=1643/Mechanical, 10=1759/0-3-8
Max Horz 1=274(LC 11)
Max Uplift 10=-2(LC 12)
Max Grav 1=1688(LC 17), 10=1829(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2653/471, 2-3=-2146/482, 3-4=-1823/487, 4-5=-1823/487, 5-6=-575/256, 6-7=-678/258
BOT CHORD 1-15=-609/2255, 14-15=-610/2253, 13-14=-425/1762, 12-13=-340/1506, 11-12=-340/1506
WEBS 2-15=0/313, 2-14=-639/228, 3-14=-40/607, 3-13=-41/349, 4-13=-483/213, 5-13=-147/613, 5-12=0/433, 5-11=-1579/309, 7-11=-257/1465, 7-10=-1760/405

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10.
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.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 23,2019

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	A13	Piggyback Base	1	1	Job Reference (optional)	T18169140

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:36 2019 Page 1
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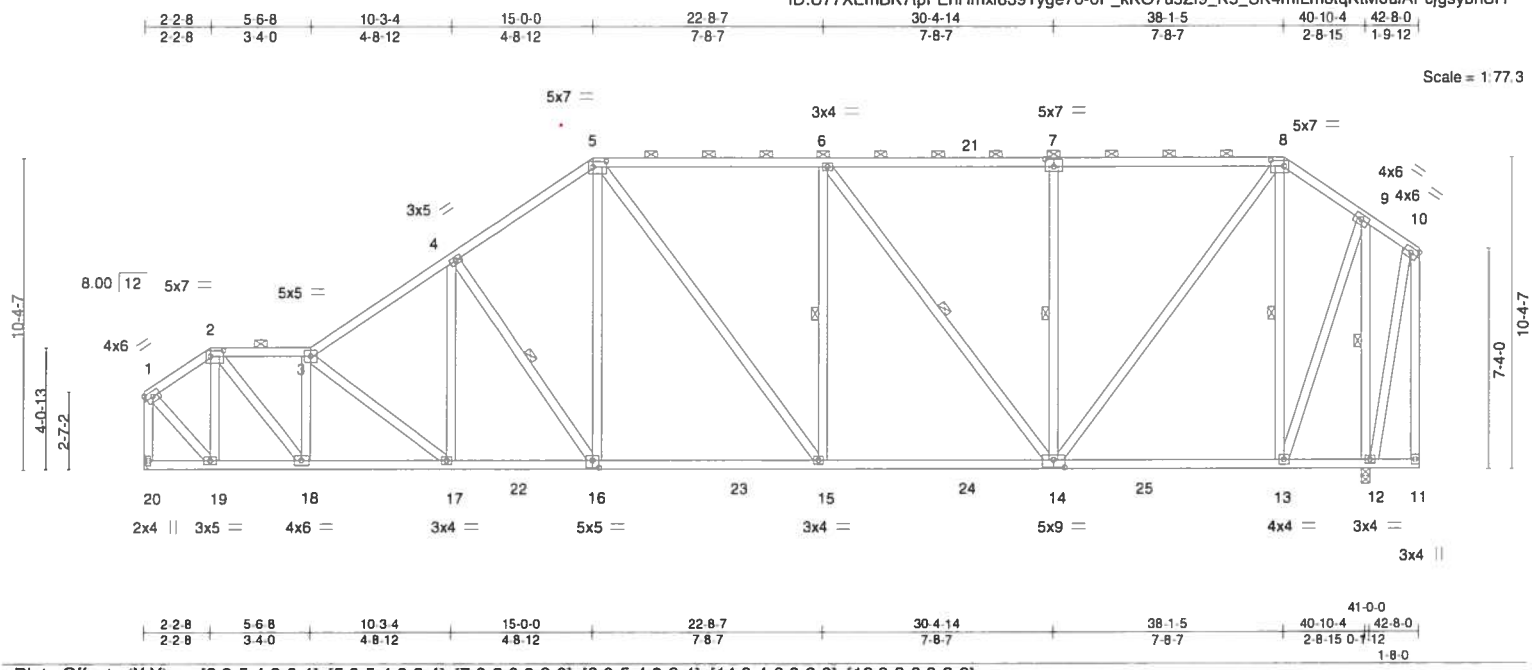

Plate Offsets (X,Y)-- [2:0-5-4,0-2-4], [5:0-5-4,0-2-4], [7:0-3-8,0-3-0], [8:0-5-4,0-2-4], [14:0-4-8,0-3-0], [16:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.18	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.35	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.09	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 346 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-4-2 max.): 2-3, 5-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-16, 6-15, 6-14, 7-14, 8-13, 9-12

REACTIONS. (lb/size) 20=1637/Mechanical, 12=1753/0-3-8
Max Horz 20=269(LC 11)
Max Uplift 12=-2(LC 12)
Max Grav 20=1704(LC 17), 12=1838(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1179/225, 2-3=-2128/384, 3-4=-2431/464, 4-5=-2133/489, 5-6=-1846/481, 6-7=-1429/415, 7-8=-1429/415, 8-9=-692/258, 1-20=-1680/297
BOT CHORD 19-20=-326/327, 18-19=-436/1030, 17-18=-620/2287, 16-17=-530/2075, 15-16=-423/1784, 14-15=-429/1897, 13-14=-151/548
WEBS 2-19=-922/195, 2-18=-311/1868, 3-18=-1353/293, 3-17=-281/115, 4-17=-21/306, 4-16=-514/188, 5-16=-78/682, 5-15=-50/346, 6-14=-708/148, 7-14=-484/222, 8-14=-310/1523, 8-13=-1151/321, 9-13=-256/1474, 9-12=-1797/409, 1-19=-226/1331

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) 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) 12.
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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MiTek USA, Inc. FL Cert 6634
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Date:
September 23,2019

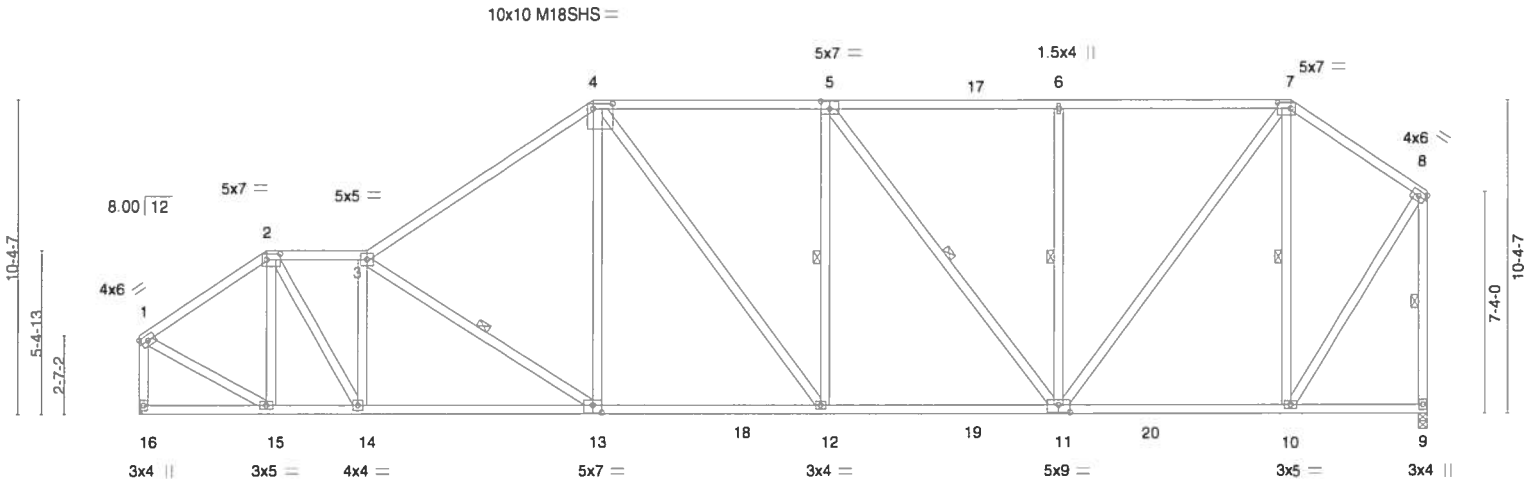
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Paulk	T18169141
PAULK	A14	Roof Special	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:37 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-UcY6Yk8Wrsn0cTgA01b?BYJlBEgv5UsuP3LHClybhSG

4-2-8	7-6-8	15-0-0	22-8-7	30-4-14	38-1-5	42-8-0
4-2-8	3-4-0	7-5-8	7-8-7	7-8-7	7-8-7	4-6-11

Scale = 1:76.5



4-2-8	7-6-8	15-0-0	22-8-7	30-4-14	38-1-5	42-8-0
4-2-8	3-4-0	7-5-8	7-8-7	7-8-7	7-8-7	4-6-11

Plate Offsets (X,Y)-- [2:0-5-4,0-2-4], [4:0-7-12,0-2-0], [5:0-3-8,0-3-0], [7:0-5-4,0-2-4], [11:0-4-8,0-3-0], [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	0.72	Vert(LL)	-0.19	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.34	12-13	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.09	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 313 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-13, 5-12, 5-11, 6-11, 7-10, 8-9

REACTIONS. (lb/size) 16=1695/Mechanical, 9=1695/0-3-8
Max Horz 16=269(LC 11)
Max Uplift 9=-2(LC 12)
Max Grav 16=1718(LC 17), 9=1759(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1609/305, 2-3=-2102/434, 3-4=-2212/482, 4-5=-1940/505, 5-6=-1588/450, 6-7=-1588/450, 7-8=-998/312, 1-16=-1674/323, 8-9=-1744/347
BOT CHORD 15-16=-335/353, 14-15=-474/1375, 13-14=-611/2232, 12-13=-447/1833, 11-12=-457/1990, 10-11=-198/767
WEBS 2-15=-626/144, 2-14=-281/1553, 3-14=-1226/311, 3-13=-498/199, 4-13=-18/538, 4-12=-53/424, 5-11=-605/134, 6-11=-484/222, 7-11=-293/1424, 7-10=-956/315, 1-15=-224/1391, 8-10=-264/1401

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
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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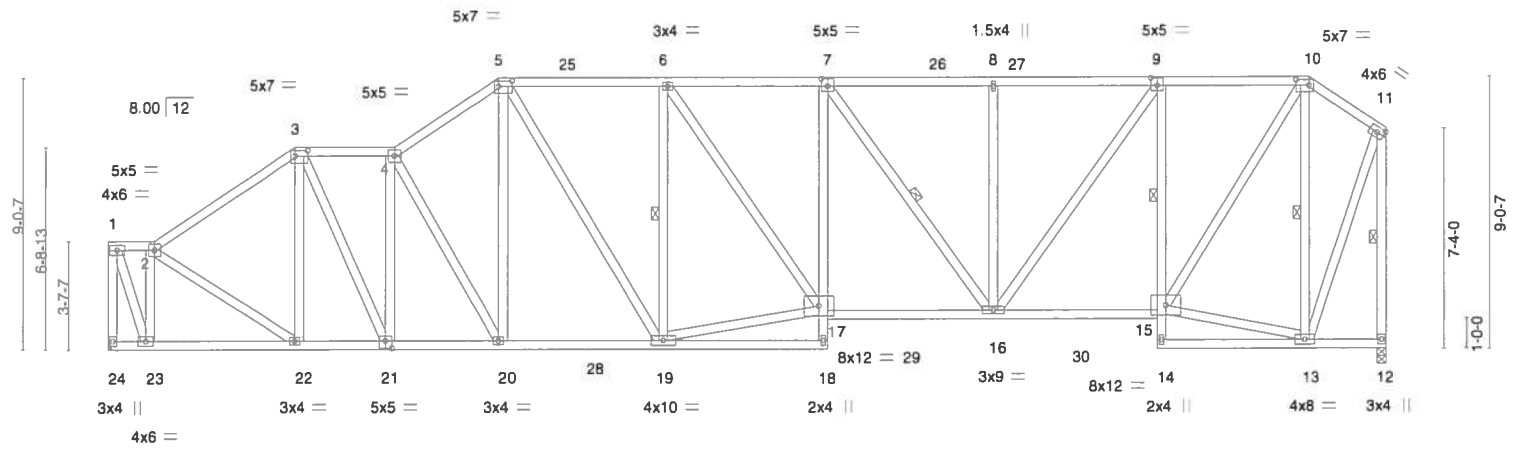
Date:
September 23,2019

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	A15	Roof Special	1	1	Job Reference (optional)	T18169142

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:39 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-R_gtzQ9nNU1krnqZ7SdTHzOkI2M6ZPIBsNrNGBybhSE

1-6-8	6-2-8	9-6-8	13-0-0	18-6-0	24-0-1	29-6-1	35-0-1	40-1-5	42-8-0
1-6-8	4-8-0	3-4-0	3-5-8	5-6-0	5-6-0	5-6-0	5-6-0	5-1-4	2-6-11

Scale = 1:77.2



1-6-8	6-2-8	9-6-8	13-0-0	18-6-0	24-0-1	29-6-1	35-0-1	40-1-5	42-8-0
1-6-8	4-8-0	3-4-0	3-5-8	5-6-0	5-6-0	5-6-0	5-6-0	5-1-4	2-6-11

Plate Offsets (X,Y)-- [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-2-8,0-3-0], [10:0-5-4,0-2-4], [21:0-2-8,0-3-0]

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)	-0.16	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.33	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.13	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 369 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 9-15
WEBS 1 Row at midpt 6-19, 7-16, 10-13, 11-12

REACTIONS. (lb/size) 24=1695/Mechanical, 12=1695/0-3-8
Max Horz 24=240(LC 11)
Max Uplift 12=-1(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-24=-1645/280, 1-2=-642/154, 2-3=-1753/357, 3-4=-1878/424, 4-5=-2132/504, 5-6=-2036/517, 6-7=-2344/561, 7-8=-2000/499, 8-9=-2000/499, 9-10=-1385/384, 10-11=-638/262, 11-12=-1670/359
BOT CHORD 23-24=-306/312, 22-23=-421/801, 21-22=-478/1456, 20-21=-564/1981, 19-20=-491/1814, 16-17=-597/2394, 15-16=-374/1437, 9-15=-1181/334
WEBS 1-23=-318/1718, 2-23=-1595/378, 2-22=-139/850, 3-22=-377/125, 3-21=-217/1144, 4-21=-999/233, 4-20=-368/151, 5-20=-77/491, 5-19=-114/637, 6-19=-810/245, 17-19=-523/2064, 6-17=-106/562, 7-16=-621/161, 8-16=-326/151, 9-16=-222/1034, 13-15=-144/463, 10-15=-386/1719, 10-13=-1329/398, 11-13=-297/1377

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) 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) 12.
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.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 23,2019

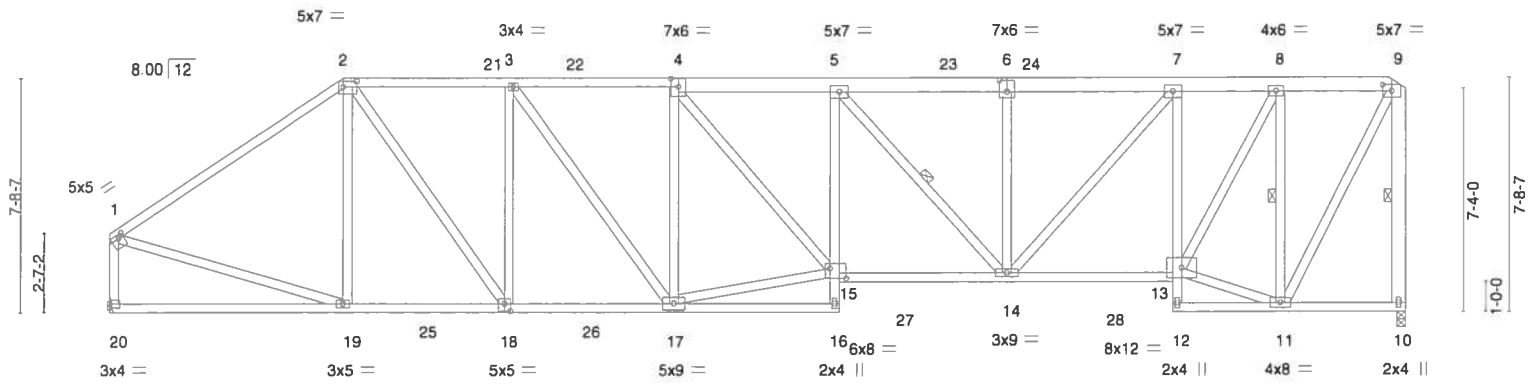
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	A16	Hip	1	1	Job Reference (optional)	T18169143

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:02:41 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-NNndO6B1v5HS55_xFtfxMOU_6r1S1I?UKhKUL4ybhSC

7-8-0	13-1-6	18-6-11	24-0-1	29-6-1	35-0-1	38-6-11	42-1-5	42-8-0
7-8-0	5-5-6	5-5-6	5-5-6	5-6-0	5-6-0	3-6-10	3-6-10	0-6-11

Scale = 1:76.1



7-8-0	13-1-6	18-6-11	24-0-1	29-6-1	35-0-1	38-6-11	42-1-5	42-8-0
7-8-0	5-5-6	5-5-6	5-5-6	5-6-0	5-6-0	3-6-10	3-6-10	0-6-11

Plate Offsets (X,Y)-- [1:0-2-0,0-1-8], [2:0-5-4,0-2-4], [4:0-3-0,0-3-4], [6:0-3-0,0-4-8], [9:0-3-8,0-2-6], [15:0-6-4,0-4-0], [18:0-2-8,0-3-0]

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	0.73	Vert(LL)	-0.17	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.35	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 347 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
6-9,4-6: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
9-10: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-14, 8-11, 9-10

REACTIONS. (lb/size) 20=1692/Mechanical, 10=1692/0-3-8
Max Horz 20=217(LC 11)
Max Uplift 10=-2(LC 12)
Max Grav 20=1692(LC 17), 10=1692(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1881/385, 2-3=-2087/507, 3-4=-2390/571, 4-5=-2865/648, 5-6=-2435/563, 6-7=-2435/563, 7-8=-1665/415, 8-9=-842/267, 1-20=-1617/349, 9-10=-1646/371
BOT CHORD 19-20=-376/449, 18-19=-487/1526, 17-18=-586/2134, 14-15=-725/2887, 13-14=-435/1685, 7-13=-1114/310
WEBS 2-19=-277/146, 2-18=-204/1110, 3-18=-808/219, 3-17=-103/566, 4-17=-833/257, 15-17=-618/2398, 4-15=-143/713, 5-14=-688/179, 6-14=-361/166, 7-14=-257/1137, 11-13=-218/837, 8-13=-404/1743, 8-11=-1722/472, 9-11=-379/1717, 1-19=-190/1415

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) 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) 10.
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:
September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169144
PAULK	A17	Half Hip	1	1	Job Reference (optional)	

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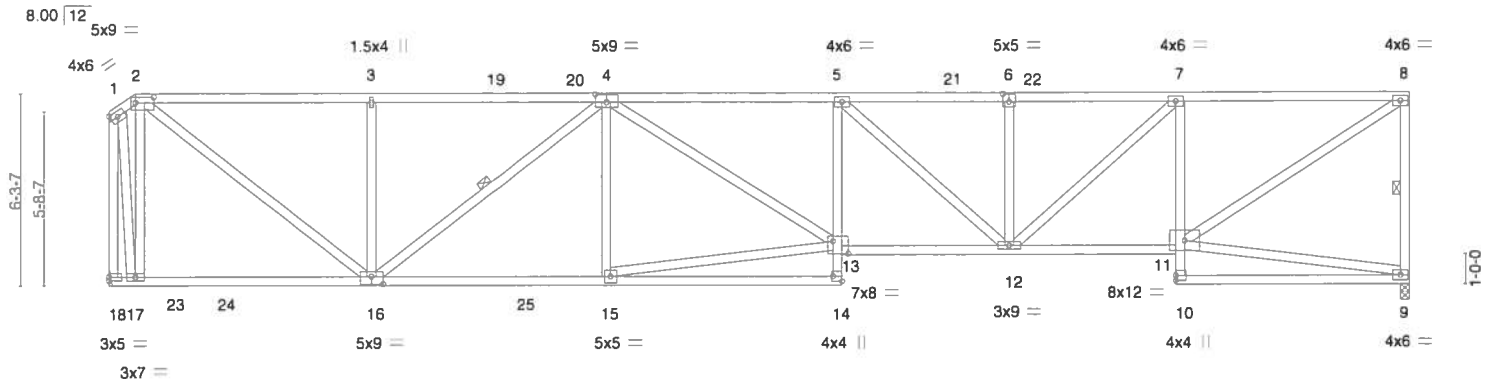
ID:U77XEmBK7tpFEhHmxl8391yge70-rZL?bSCfgPPIiFY8oaABuc057FL3mimdZK32tWybhSB

0-10-8	8-7-0	16-3-9	24-0-1	29-6-1	35-0-1	42-8-0
0-10-8	7-8-8	7-8-8	7-8-8	5-6-0	5-6-0	7-7-15

Scale = 1:75.9



0-10-8	8-7-0	16-3-9	24-0-1	29-6-1	35-0-1	42-8-0
0-10-8	7-8-8	7-8-8	7-8-8	5-6-0	5-6-0	7-7-15

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

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)	-0.28	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.58	12-13	>881	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 297 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-9, 4-16

REACTIONS. (lb/size) 9=1695/0-3-8, 18=1695/Mechanical
Max Horz 18=169(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-301/139, 2-3=-1983/452, 3-4=-1983/452, 4-5=-3679/767, 5-6=-3095/630, 6-7=-3095/630, 7-8=-2185/482, 8-9=-1614/400, 1-18=-1656/271
BOT CHORD 16-17=-230/347, 15-16=-697/2888, 5-13=0/251, 12-13=-864/3699, 11-12=-526/2188, 7-11=-1237/370
WEBS 2-17=-1531/508, 2-16=-462/2220, 3-16=-491/224, 4-16=-1147/247, 4-15=-267/203, 13-15=-687/2718, 4-13=-197/938, 5-12=-803/205, 6-12=-298/141, 7-12=-246/1214, 8-11=-574/2574, 1-17=-265/1511

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	A18GIR	Roof Special Girder	1	2	Job Reference (optional)	T18169145

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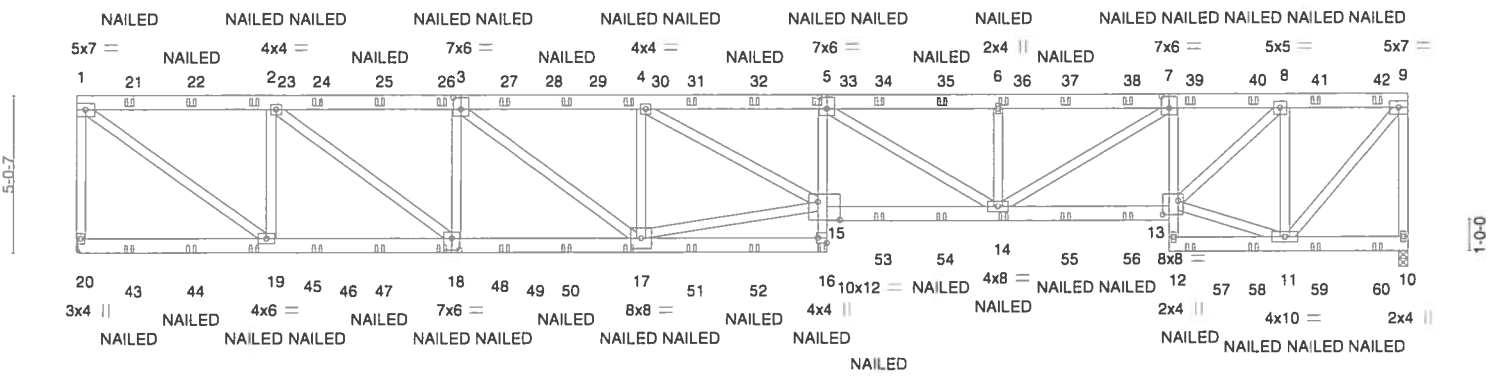
ID:U77XEmBK7tpFEhHmxl8391yge70-gjiHsVGQGFASQA0l9rHb8tGF9gQ5ARWWxGWM5AybhS5

6-2-10	12-1-12	18-0-15	24-0-1	29-6-1	35-0-1	38-8-5	42-8-0
6-2-10	5-11-2	5-11-2	5-11-2	5-6-0	5-6-0	3-8-3	3-11-11

Scale = 1:74.1



6-2-10	12-1-12	18-0-15	24-0-1	29-6-1	35-0-1	38-8-5	42-8-0
6-2-10	5-11-2	5-11-2	5-11-2	5-6-0	5-6-0	3-8-3	3-11-11

Plate Offsets (X,Y)-- [3:0-3-0,0-4-8], [5:0-3-0,0-4-8], [7:0-3-0,0-4-8], [13:0-6-0,0-5-4], [15:0-8-8,0-7-0], [16:Edge,0-3-8], [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	0.42	Vert(LL)	-0.35	15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.71	14-15	>720	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.20	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 680 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
5-16,7-12: 2x4 SP No.2, 13-15: 2x6 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 20=3660/Mechanical, 10=3484/0-3-8
Max Horz 20=-128(LC 6)
Max Uplift 20=-192(LC 8), 10=-256(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-3522/252, 1-2=-4318/272, 2-3=-6926/394, 3-4=-8344/452, 4-5=-11316/581, 5-6=-9283/455, 6-7=-9283/455, 7-8=-6575/379, 8-9=-2696/216, 9-10=-3421/273
BOT CHORD 18-19=-196/4318, 17-18=-320/7038, 16-17=-29/750, 15-16=0/300, 5-15=0/761, 14-15=-499/11381, 13-14=-322/6758, 7-13=-2189/193, 11-12=-27/259
WEBS 1-19=-282/5360, 2-19=-2898/344, 2-18=-156/3327, 3-18=-1764/240, 3-17=-55/1680, 4-17=-2438/281, 15-17=-349/7830, 4-15=-140/3354, 5-14=-2488/156, 6-14=-651/166, 7-14=-79/3028, 11-13=-152/2590, 8-13=-222/5307, 8-11=-4056/287, 9-11=-263/4166

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=192, 10=256.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard

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Tampa, FL 33610

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-9=-60, 16-20=-20, 13-15=-20, 10-12=-20
   Concentrated Loads (lb)
   Vert: 16=-62(F) 17=-62(F) 6=-110(F) 14=-78(F) 21=-131(F) 22=-131(F) 23=-131(F) 24=-131(F) 25=-131(F) 26=-126(F) 27=-126(F) 29=-126(F) 30=-126(F) 31=-126(F) 32=-126(F) 33=-126(F) 34=-110(F) 35=-110(F) 37=-110(F) 38=-110(F) 39=-126(F) 40=-107(F) 41=-107(F) 42=-112(F) 43=-67(F) 44=-67(F) 45=-67(F) 46=-67(F) 47=-67(F) 48=-62(F) 49=-62(F) 50=-62(F) 51=-62(F) 52=-62(F) 53=-78(F) 54=-78(F) 55=-78(F) 56=-78(F) 57=-62(F)

Job	Truss	Truss Type	Qty	Ply	Paulk	T18169146
PAULK	B1GIR	Hip Girder	1	2	Job Reference (optional)	

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

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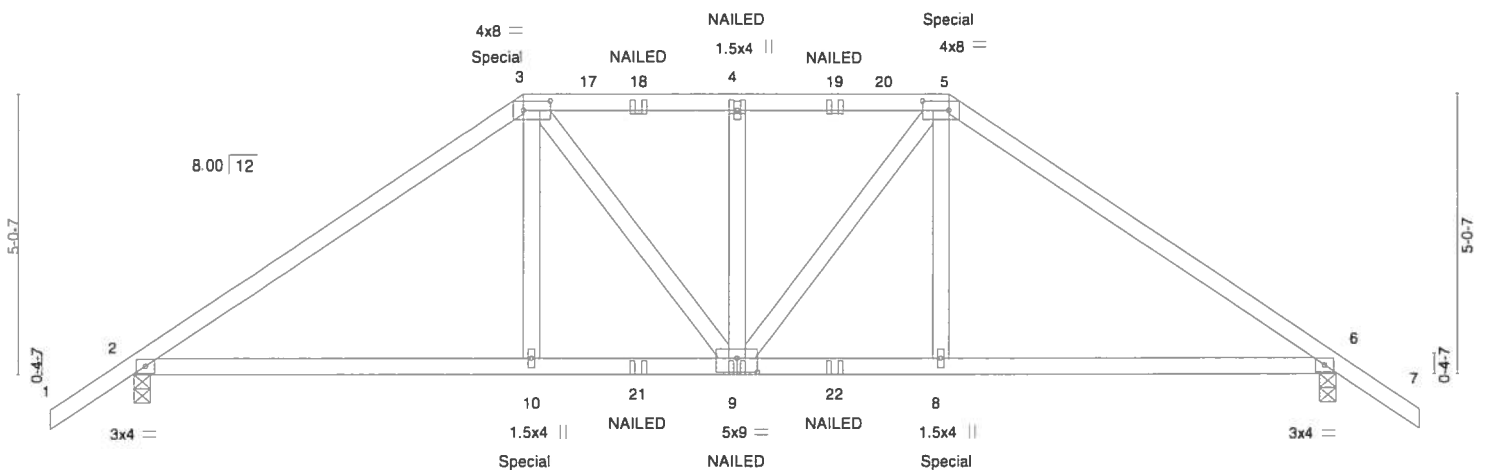
ID:U77XEmBK7tpFEhHmxl8391yge70-1y2bT0XD4?xK3YhWRThl1VB0EX0BKaeI?hrWsuybhRI

-1-6-0	7-0-0	10-10-0	14-8-0	21-8-0	23-2-0
1-6-0	7-0-0	3-10-0	3-10-0	7-0-0	1-6-0

Scale = 1:41.7



7-0-0	10-10-0	14-8-0	21-8-0
7-0-0	3-10-0	3-10-0	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	0.44	Vert(LL)	-0.04	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.09	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 222 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=1779/0-3-8, 6=1779/0-3-8
Max Horz 2=-105(LC 6)
Max Uplift 2=-130(LC 8), 6=-130(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2653/188, 3-4=-2385/203, 4-5=-2385/203, 5-6=-2653/188
BOT CHORD 2-10=-71/2110, 9-10=-68/2126, 8-9=-41/2126, 6-8=-44/2110
WEBS 3-10=0/634, 3-9=-88/492, 4-9=-519/158, 5-9=-88/492, 5-8=0/634

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=130, 6=130.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 231 lb down and 164 lb up at 7-0-0, and 231 lb down and 164 lb up at 14-8-0 on top chord, and 357 lb down and 11 lb up at 7-0-0, and 357 lb down and 11 lb up at 14-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 5-7=-60, 11-14=-20

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-184(B) 5=-184(B) 10=-357(B) 9=-62(B) 4=-126(B) 8=-357(B) 18=-126(B) 19=-126(B) 21=-62(B) 22=-62(B)

Job	Truss	Truss Type	Qty	Ply	Paulk	T18169147
PAULK	B2	Hip	1	1	Job Reference (optional)	

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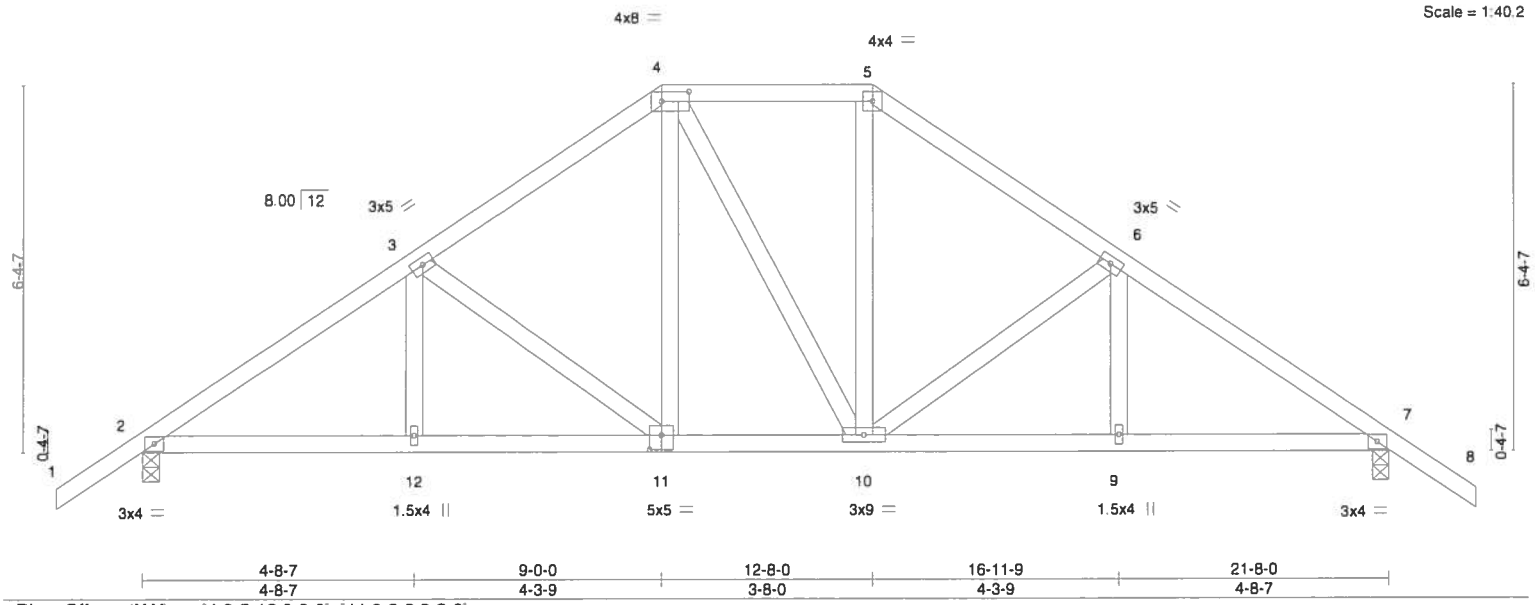

Plate Offsets (X,Y)-- [4:0-5-12,0-2-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.03	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.07	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 127 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=957/0-3-8, 7=957/0-3-8
Max Horz 2=-130(LC 10)
Max Uplift 2=-37(LC 12), 7=-37(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1291/220, 3-4=-984/234, 4-5=-754/230, 5-6=-978/233, 6-7=-1291/219
BOT CHORD 2-12=-71/1020, 11-12=-71/1020, 10-11=0/752, 9-10=-81/1020, 7-9=-81/1020
WEBS 3-11=-386/126, 4-11=-28/302, 5-10=-25/303, 6-10=-387/125

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
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	Paulk	T18169148
PAULK	B3	Common	8	1	Job Reference (optional)	

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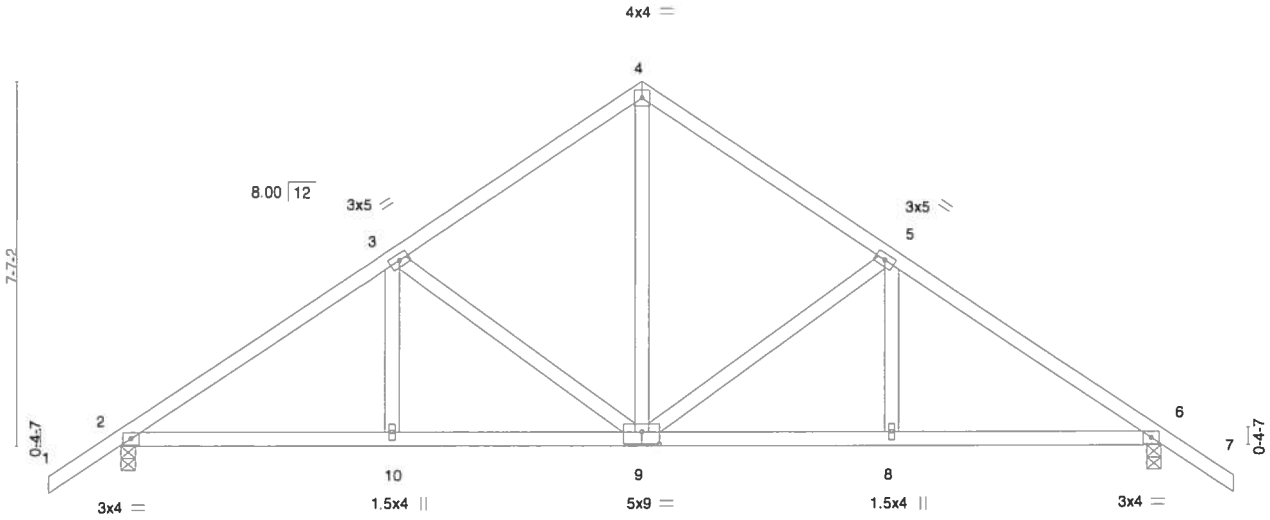
ID:U77XEmBK7tpFEhHmxl8391yge70-zL9LuiZTcdB2JsrvZtjD6wGOPLieoQD2S?KdwnybhRj

-1-6-0 | 5-7-7 | 10-10-0 | 16-0-9 | 21-8-0 | 23-2-0
1-6-0 | 5-7-7 | 5-2-9 | 5-2-9 | 5-7-7 | 1-6-0

Scale: 1/4"=1'



5-7-7 | 10-10-0 | 16-0-9 | 21-8-0
5-7-7 | 5-2-9 | 5-2-9 | 5-7-7

Plate Offsets (X,Y)-- [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	0.27	Vert(LL)	-0.03	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.07	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 116 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=957/0-3-8, 6=957/0-3-8
Max Horz 2=152(LC 11)
Max Uplift 2=-37(LC 12), 6=-37(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1263/210, 3-4=-880/223, 4-5=-880/223, 5-6=-1263/210
BOT CHORD 2-10=-52/987, 9-10=-52/987, 8-9=-60/987, 6-8=-60/987
WEBS 4-9=-110/619, 5-9=-456/153, 3-9=-457/153

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

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Date:
September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169149
PAULK	B4	Common	5	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:13 2019 Page 1
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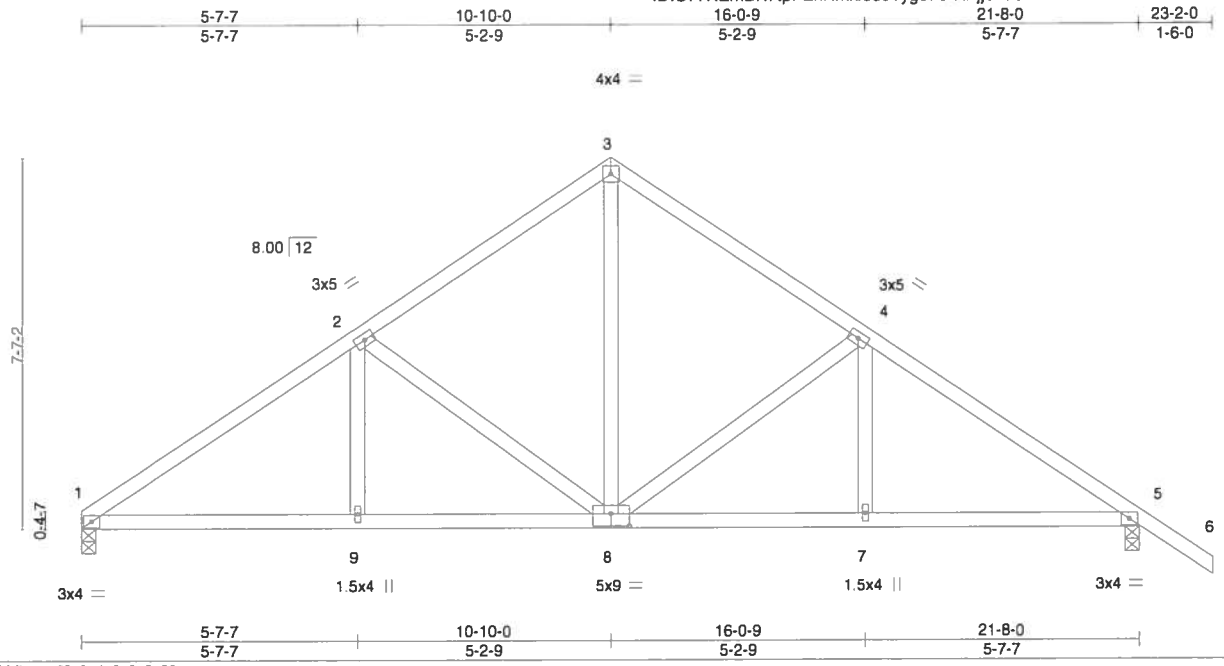

Plate Offsets (X,Y)-- [8:0-4-8,0-3-0]

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	0.29	Vert(LL)	-0.03	9-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.08	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 113 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=864/0-3-8, 5=960/0-3-8
Max Horz 1=-146(LC 10)
Max Uplift 5=-39(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1263/222, 2-3=-886/229, 3-4=-885/228, 4-5=-1269/216
BOT CHORD 1-9=-72/1005, 8-9=-72/1005, 7-8=-65/992, 5-7=-65/992
WEBS 3-8=-118/626, 4-8=-457/153, 2-8=-453/162

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

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169150
PAULK	C1GE	Common Supported Gable	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:14 2019 Page 1
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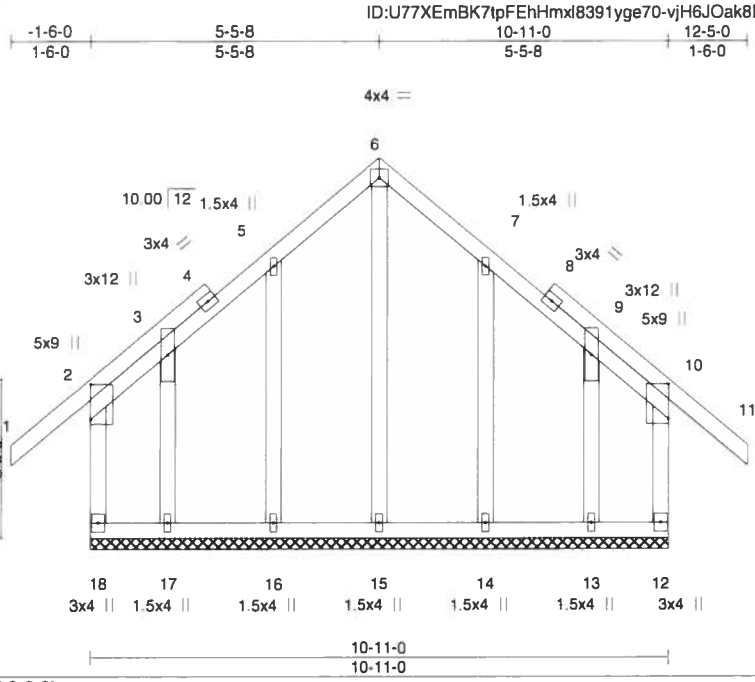

Plate Offsets (X,Y)-- [2:0-7-15,0-0-0], [10:0-7-15,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 94 lb	FT = 0%

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

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

REACTIONS. All bearings 10-11-0.
(lb) - Max Horz 18=-180(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 16, 14 except 18=-133(LC 8), 12=-131(LC 9), 17=-125(LC 11), 13=-122(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 15, 16, 14 except 18=267(LC 18), 12=264(LC 17), 17=256(LC 10), 13=253(LC 11)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 14 except (jt=lb) 18=133, 12=131, 17=125, 13=122.

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169151
PAULK	C2	Common	2	1	Job Reference (optional)	

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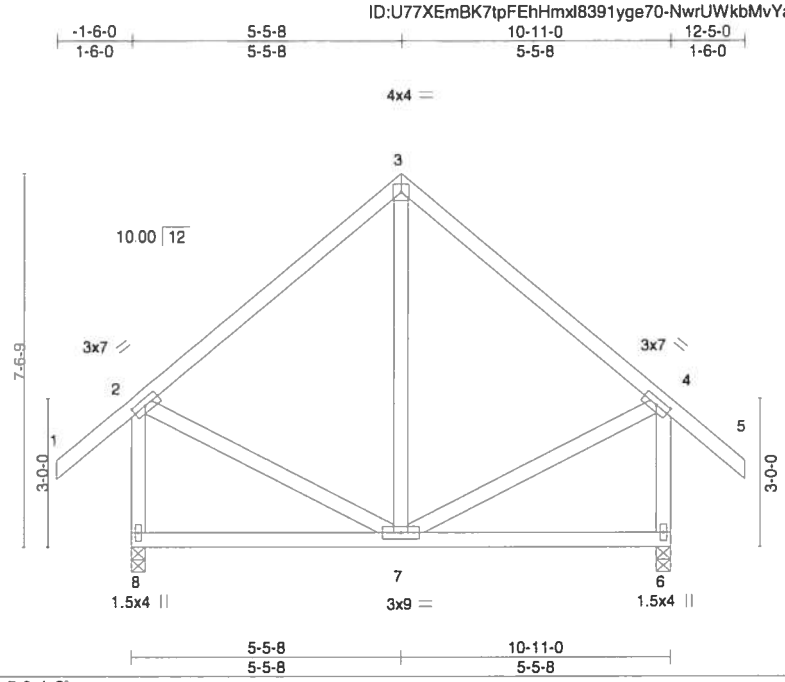

Plate Offsets (X,Y)-- [2:0-3-5,0-1-8], [4:0-3-5,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.03	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 79 lb	FT = 0%

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

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

REACTIONS. (lb/size) 8=524/0-3-8, 6=524/0-3-8
Max Horz 8=-193(LC 10)
Max Uplift 8=-40(LC 12), 6=-40(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-323/136, 3-4=-323/136, 2-8=-475/199, 4-6=-475/199

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169152
PAULK	C3	Common	3	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:16 2019 Page 1
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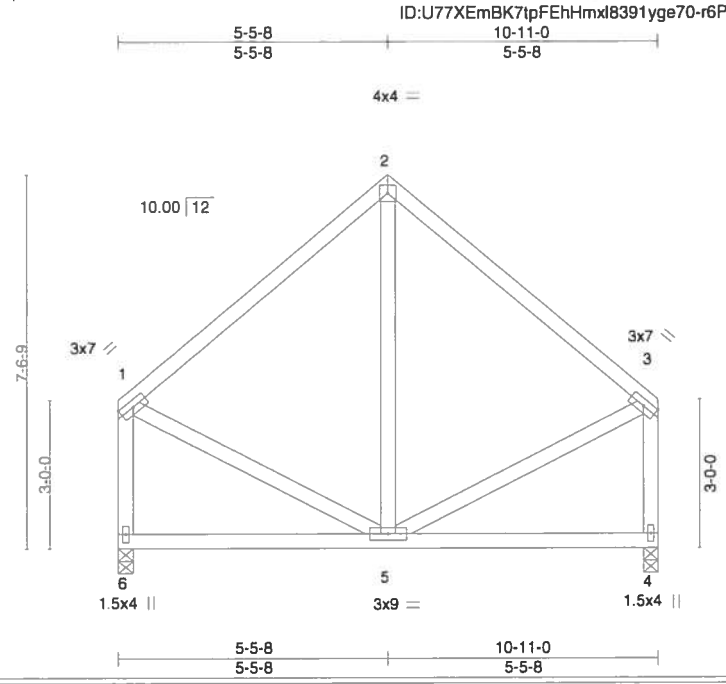

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.03	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 73 lb	FT = 0%

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

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

REACTIONS. (lb/size) 6=425/0-3-8, 4=425/0-3-8
Max Horz 6=166(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-332/115, 2-3=-332/115, 1-6=-375/124, 3-4=-375/125

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) 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	Paulk	T18169153
PAULK	CJ01	Diagonal Hip Girder	3	1	Job Reference (optional)	

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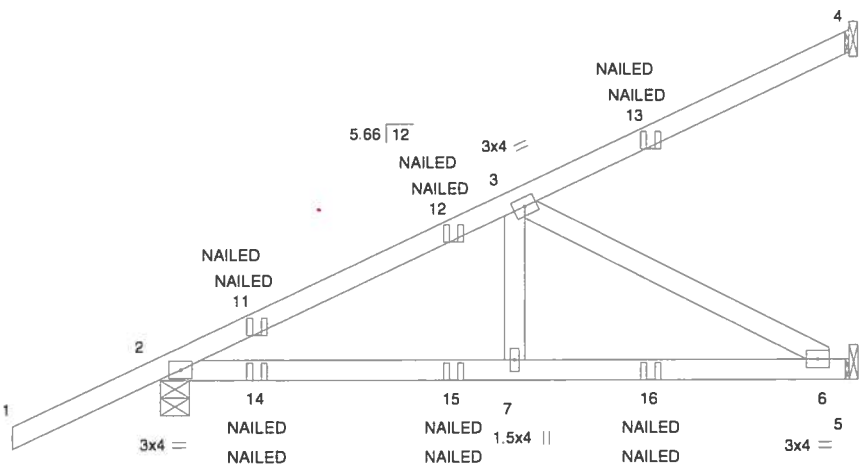

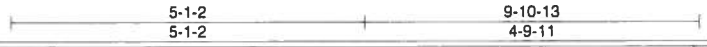

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.08	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 45 lb	FT = 0%

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

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

REACTIONS. (lb/size) 4=144/Mechanical, 2=476/0-4-15, 5=323/Mechanical
Max Horz 2=148(LC 8)
Max Uplift 4=-44(LC 8), 2=-109(LC 8), 5=-2(LC 8)
Max Grav 4=144(LC 1), 2=490(LC 28), 5=327(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-640/23
BOT CHORD 2-7=-65/532, 6-7=-65/532
WEBS 3-7=0/268, 3-6=-605/74

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=109.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=57(F=29, B=29) 13=-83(F=-41, B=-41) 14=61(F=31, B=31) 15=-5(F=-3, B=-3) 16=-58(F=-29, B=-29)

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169154
PAULK	CJ02	Diagonal Hip Girder	2	1	Job Reference (optional)	

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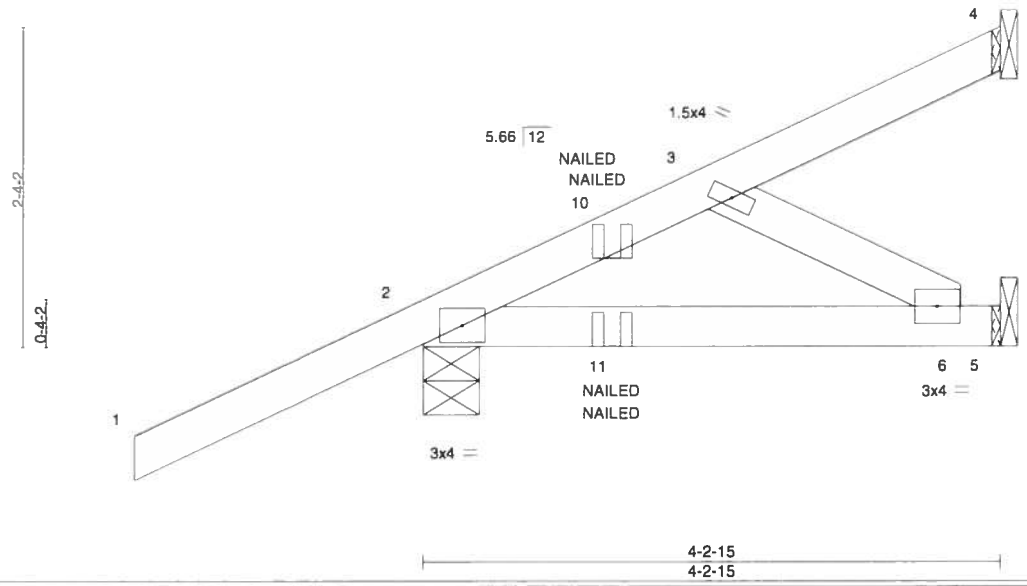

4-2-15
4-2-15

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	0.34	Vert(LL)	-0.02	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	0.02	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 20 lb	FT = 0%

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

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

REACTIONS. (lb/size) 4=64/Mechanical, 2=248/0-4-15, 5=31/Mechanical
Max Horz 2=84(LC 8)
Max Uplift 4=-27(LC 24), 2=-111(LC 8), 5=-34(LC 17)
Max Grav 4=75(LC 17), 2=258(LC 28), 5=63(LC 24)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=111.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 10=57(F=29, B=29) 11=61(F=31, B=31)

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169155
PAULK	CJ03	Diagonal Hip Girder	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:19 2019 Page 1
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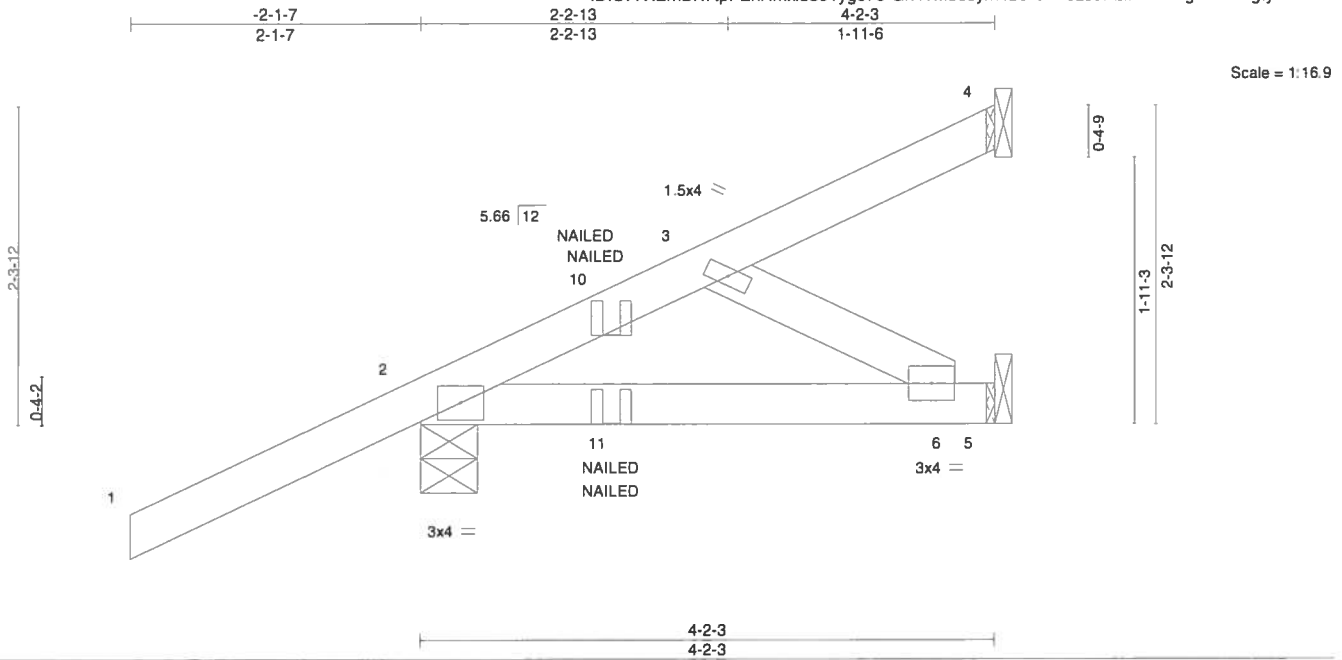

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.01	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	0.02	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 20 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 4=64/Mechanical, 2=246/0-4-15, 5=28/Mechanical
Max Horz 2=83(LC 8)
Max Uplift 4=-27(LC 24), 2=-111(LC 8), 5=-37(LC 17)
Max Grav 4=74(LC 17), 2=257(LC 28), 5=64(LC 24)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=111.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 10=57(F=29, B=29) 11=61(F=31, B=31)

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169156
PAULK	CJ04	Diagonal Hip Girder	1	1	Job Reference (optional)	

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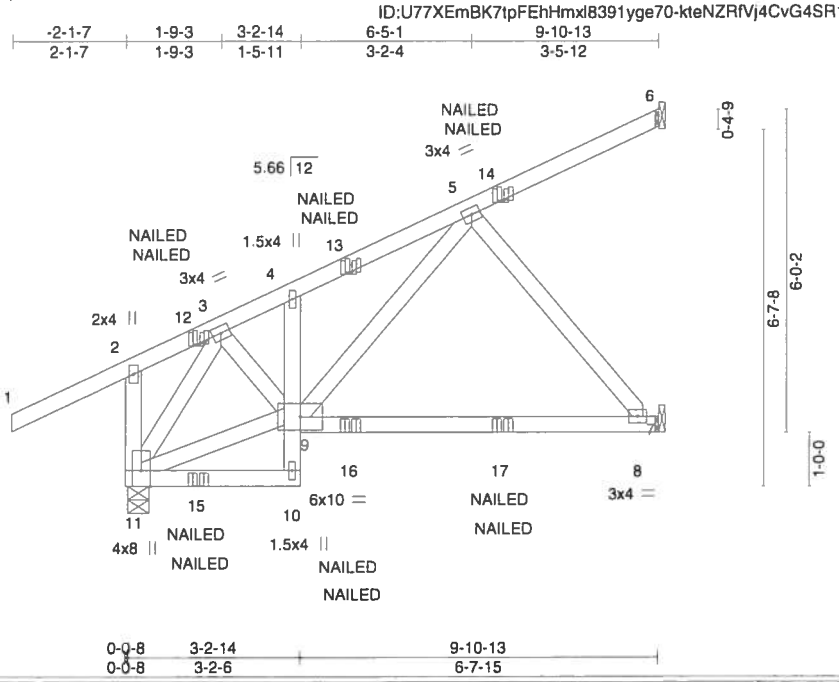

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.12	8-9	>931	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.29	8-9	>408	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 68 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.

REACTIONS. (lb/size) 11=611/0-4-12, 6=93/Mechanical, 7=441/Mechanical
Max Horz 11=190(LC 24)
Max Uplift 11=-223(LC 8), 6=-27(LC 8), 7=-119(LC 8)
Max Grav 11=640(LC 30), 6=93(LC 1), 7=458(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-257/160, 3-4=-525/175, 4-5=-614/213
BOT CHORD 8-9=-128/290
WEBS 3-11=-573/197, 9-11=-197/387, 3-9=-53/367, 5-9=-189/384, 5-8=-469/208

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 11=223, 7=119.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-6=-60, 10-11=-20, 7-9=-20
Concentrated Loads (lb)
Vert: 12=50(F) 13=-30(B) 14=-102(F=-12, B=-89) 15=-5(B) 16=-69(F=-29, B=-40) 17=-79(F=-19, B=-60)

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169157
PAULK	CJ05	Diagonal Hip Girder	2	1	Job Reference (optional)	

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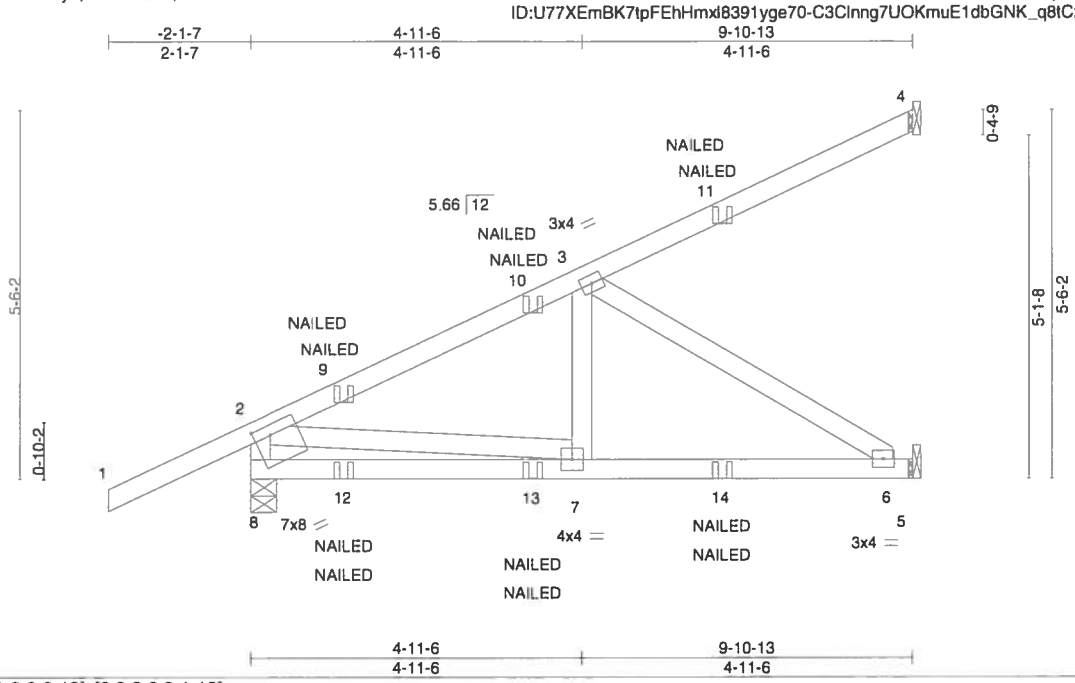

Plate Offsets (X,Y)-- [8:0-1-9,0-0-12], [8:0-3-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.08	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 54 lb	FT = 0%

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

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

REACTIONS. (lb/size) 8=505/0-4-12, 4=141/Mechanical, 5=289/Mechanical
Max Horz 8=161(LC 8)
Max Uplift 8=-100(LC 8), 4=-50(LC 8), 5=-17(LC 8)
Max Grav 8=505(LC 1), 4=141(LC 1), 5=294(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-489/100, 2-3=-520/28
BOT CHORD 6-7=-79/418
WEBS 2-7=-15/527, 3-6=-491/92

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

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 9=43(B) 11=-66(F=-27, B=-39) 12=26(F=-1, B=27) 13=3(F=1, B=2) 14=-30(F=-7, B=-22)

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	CJ06	Diagonal Hip Girder	1	1	T18169158

Job Reference (optional)

Mayo Truss, Mayo, Fl

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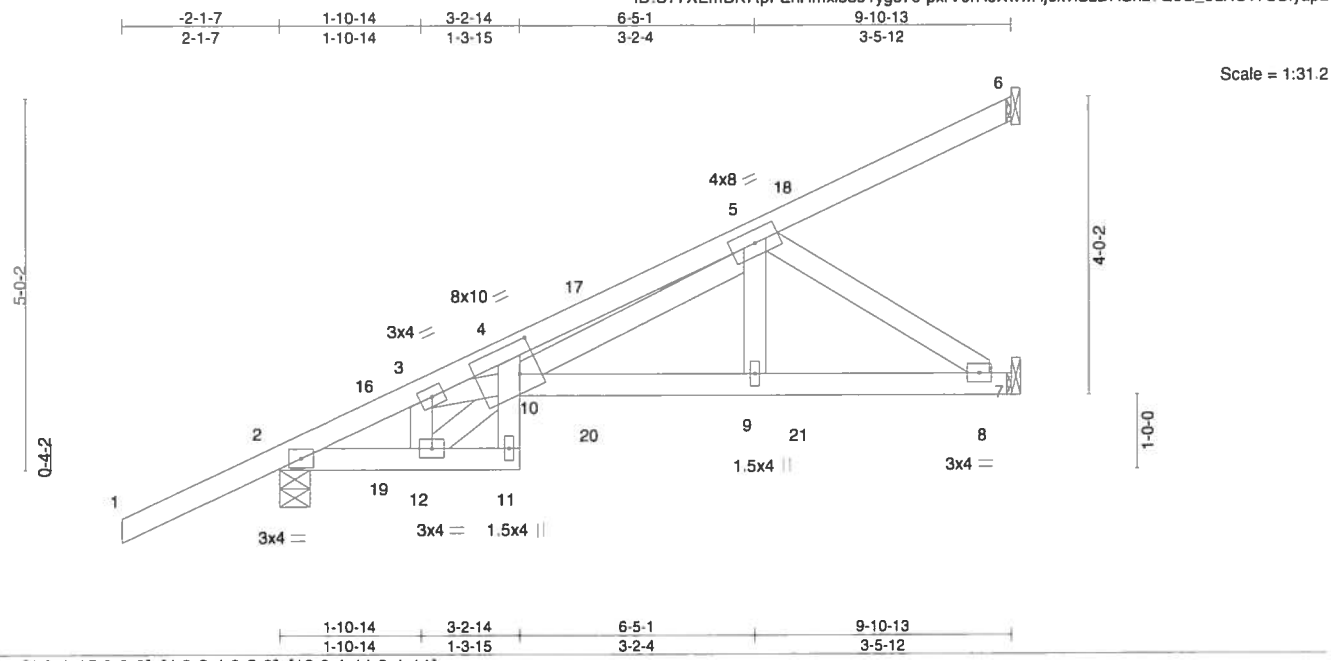

Plate Offsets (X,Y)-- [4:0-1-15,0-0-0], [4:0-3-4,0-5-0], [10:0-4-11,0-1-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.06	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.11	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 54 lb	FT = 0%

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

BRACING-
TOP CHORD Sheathed or 4-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=77/Mechanical, 2=516/0-4-15 (min. 0-1-8), 7=426/Mechanical
Max Horz 2=148(LC 8)
Max Uplift 6=-24(LC 8), 2=-113(LC 8), 7=-14(LC 8)
Max Grav 6=79(LC 17), 2=520(LC 28), 7=426(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-16=-696/81, 3-16=-677/49, 3-4=-1541/127, 4-17=-1651/153, 5-17=-1618/165, 5-18=-97/46, 6-18=-39/25
BOT CHORD 2-19=-112/588, 12-19=-112/588, 11-12=-19/171, 10-11=-0/72, 4-10=-100/64, 10-20=-58/664, 9-20=-58/664, 9-21=-58/661, 8-21=-58/661, 7-8=0/0
WEBS 3-12=-434/78, 5-9=0/287, 5-8=-790/69, 3-10=-95/814, 10-12=-127/547, 5-10=-172/976

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 6, 113 lb uplift at joint 2 and 14 lb uplift at joint 7.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-60, 11-13=-20, 7-10=-20
Concentrated Loads (lb)
Vert: 16=57(F=29, B=29) 18=-53(F=-29, B=-24) 19=61(F=31, B=31) 20=-68(F=-44, B=-24) 21=-102(F=-55, B=-47)

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Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	CJ07	Diagonal Hip Girder	2	1	Job Reference (optional)	T18169159

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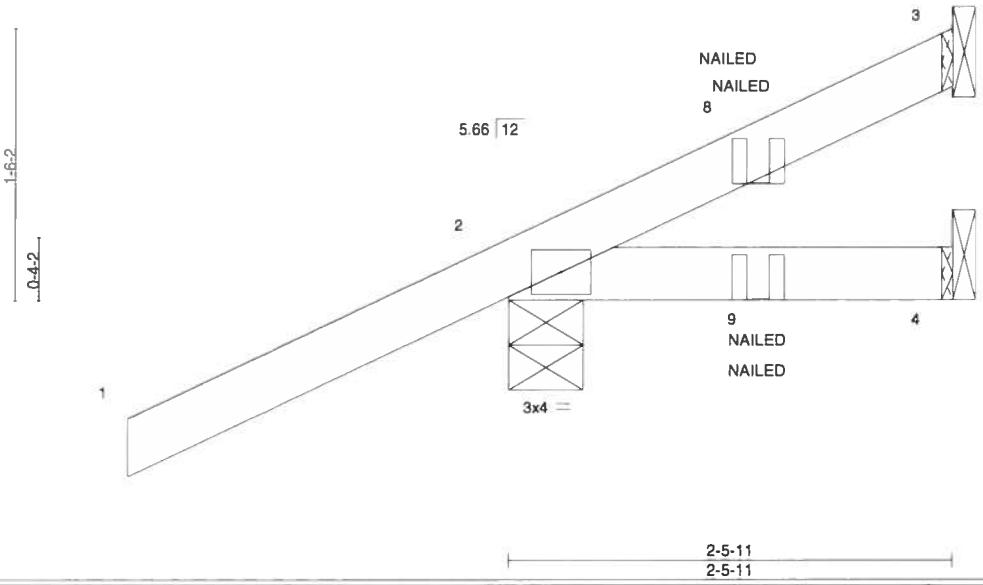

2-5-11 / 2-5-11

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.01	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 FBC2017/TPI2014		Matrix-MP							Weight: 11 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=7/Mechanical, 2=236/0-4-15, 4=-26/Mechanical
Max Horz 2=64(LC 8)
Max Uplift 3=-44(LC 17), 2=-105(LC 8), 4=-61(LC 17)
Max Grav 3=31(LC 24), 2=236(LC 1), 4=45(LC 24)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=105.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 4-5=-20
Concentrated Loads (lb)
Vert: 8=50(F=25, B=25) 9=53(F=27, B=27)

JULIUS LEE LICENSE No. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	D1GIR	Hip Girder	1	3	Job Reference (optional)	T18169160

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:25 2019 Page 1
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2-11-8	7-2-10	11-4-0	15-5-6	19-8-8	22-8-0
2-11-8	4-3-2	4-1-6	4-1-6	4-3-2	2-11-8

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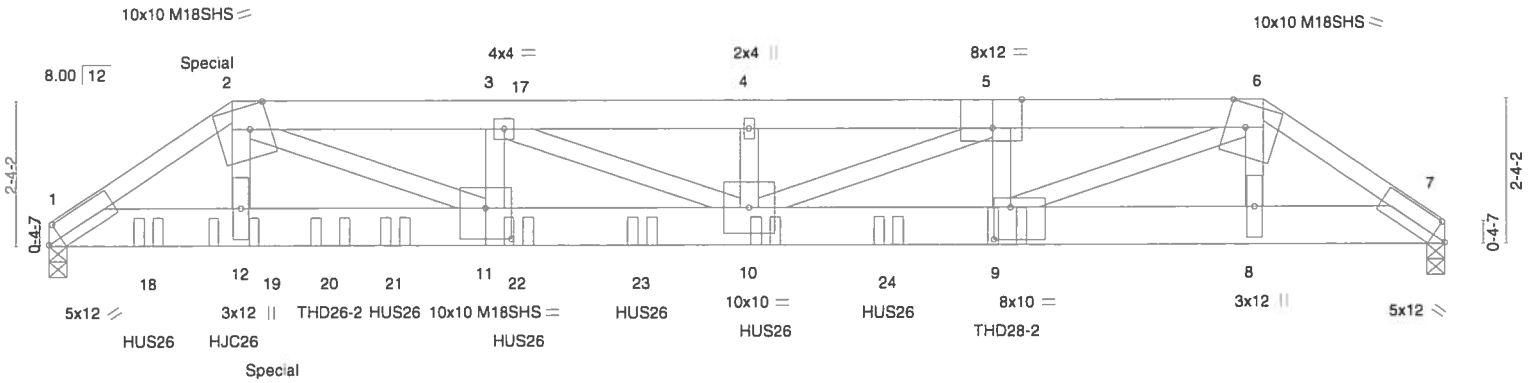

2-11-8	7-2-10	11-4-0	15-5-6	19-8-8	22-8-0
2-11-8	4-3-2	4-1-6	4-1-6	4-3-2	2-11-8

Plate Offsets (X,Y)-- [1:0-2-11,0-3-0], [2:0-3-12,0-4-8], [5:0-5-12,Edge], [6:0-3-12,0-4-8], [7:0-2-11,0-3-0], [9:0-3-4,0-6-4], [11:0-5-0,0-6-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	-0.35	10	>759	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.70	10	>383	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.08	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 461 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
2-5,5-6: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
2-11,3-10,5-10,6-9: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=10554/0-3-8, 7=7440/0-3-8
Max Horz 1=35(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-18087/0, 2-3=-27911/0, 3-4=-31584/0, 4-5=-31584/0, 5-6=-26498/0, 6-7=-13715/0
BOT CHORD 1-12=0/15019, 11-12=0/15358, 10-11=0/28074, 9-10=0/26712, 8-9=0/11461, 7-8=0/11384
WEBS 2-12=0/4356, 2-11=0/13794, 3-11=-2065/0, 3-10=0/3839, 5-10=0/5371, 5-9=-2702/0, 6-9=0/16436, 6-8=0/980

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 3 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-11 2x4 - 2 rows staggered at 0-6-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 2-11-14 from the left end to connect truss(es) to front face of bottom chord.
10) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 4-6-8 from the left end to connect truss(es) to front face of bottom chord.
11) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 4-0-0 oc max. starting at 1-7-4 from the left end to 13-7-4 to connect truss(es) to back face of bottom chord.
12) Use USP THD28-2 (With 28-16d nails into Girder & 16-10d nails into Truss) or equivalent at 15-6-8 from the left end to connect truss(es) to back face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.

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NOTES-

14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 104 lb down and 86 lb up at 2-11-8 on top chord, and 1623 lb down at 3-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-6=-60, 6-7=-60, 1-7=-20
   Concentrated Loads (lb)
   Vert: 2=-5(F) 12=-29(F) 10=-1672(B) 9=-3640(B) 18=-1623(B) 19=-1623(B) 20=-971(F) 21=-1617(B) 22=-1675(B) 23=-1675(B) 24=-1675(B)

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	E1GIR	Hip Girder	1	2	Job Reference (optional)	T18169161

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ID:U77XEmBK7tpFEhHmxl8391yge70-VQ7OFAlWrXCnEJ4_VF?zmlw8joC6YjfO8VCTUrybhRT

-1-6-0	3-0-0	9-0-0	15-0-0	18-0-0	19-6-0
1-6-0	3-0-0	6-0-0	6-0-0	3-0-0	1-6-0

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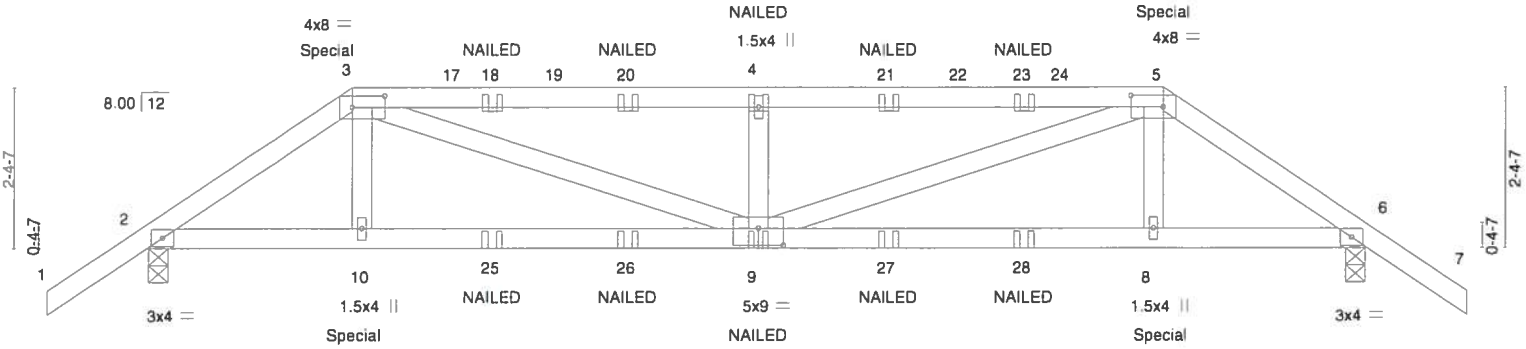

3-0-0	9-0-0	15-0-0	18-0-0
3-0-0	6-0-0	6-0-0	3-0-0

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	0.25	Vert(LL)	-0.03	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.07	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 173 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=883/0-3-8, 6=883/0-3-8
Max Horz 2=56(LC 7)
Max Uplift 2=-71(LC 8), 6=-71(LC 8)
Max Grav 2=898(LC 36), 6=898(LC 37)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1280/49, 3-4=-1852/70, 4-5=-1852/70, 5-6=-1280/50
BOT CHORD 2-10=-11/1059, 9-10=-8/1072, 8-9=0/1064, 6-8=-3/1051
WEBS 3-9=-30/885, 4-9=-430/103, 5-9=-30/885

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 105 lb down and 87 lb up at 3-0-0, and 105 lb down and 87 lb up at 15-0-0 on top chord, and 85 lb down and 37 lb up at 3-0-0, and 85 lb down and 37 lb up at 14-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 5-7=-60, 11-14=-20

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-6(F) 5=-6(F) 10=-31(F) 9=-9(F) 4=-6(F) 8=-31(F) 18=-6(F) 20=-6(F) 21=-6(F) 23=-6(F) 25=-9(F) 26=-9(F) 27=-9(F) 28=-9(F)

Job	Truss	Truss Type	Qty	Ply	Paulk	T18169162
PAULK	E2	Hip	1	1	Job Reference (optional)	

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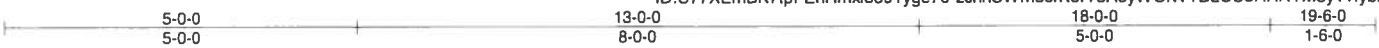

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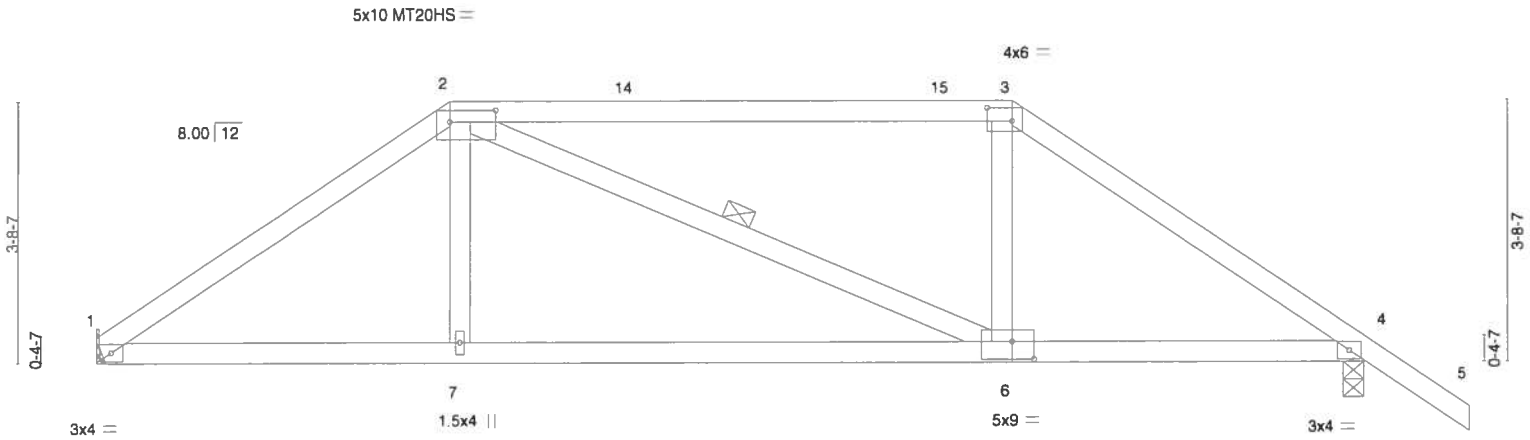

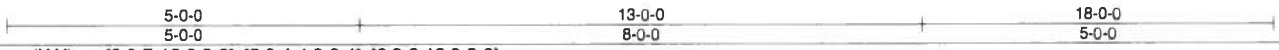

Plate Offsets (X,Y)-- [2:0-7-12,0-2-0], [3:0-4-4,0-2-4], [6:0-3-12,0-3-0]

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	0.71	Vert(LL)	-0.09	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.18	6-7	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 81 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=716/Mechanical, 4=814/0-3-8
Max Horz 1=-75(LC 10)
Max Uplift 4=-39(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1049/195, 2-3=-826/205, 3-4=-1056/187
BOT CHORD 1-7=-60/837, 6-7=-56/844, 4-6=-51/826
WEBS 2-7=0/290, 3-6=0/289

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) 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.
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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Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	E3	Hip	1	1	Job Reference (optional)	T18169163

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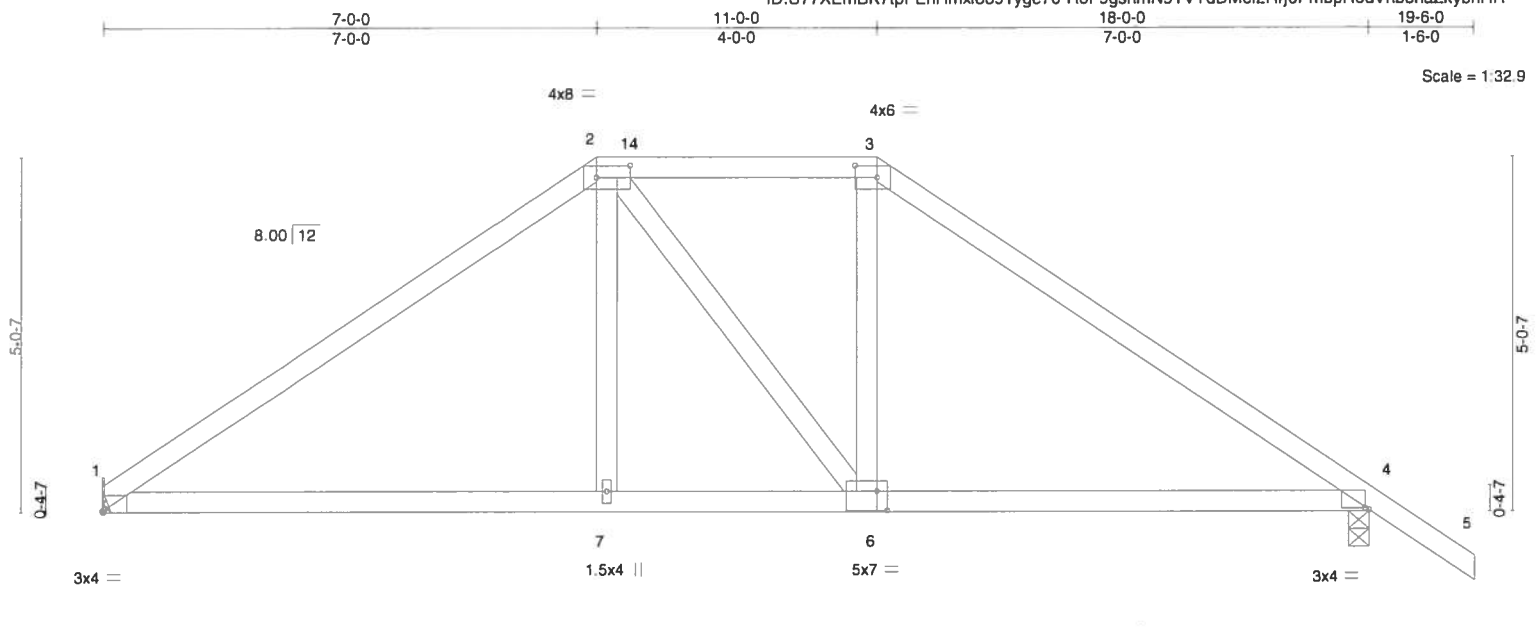

Plate Offsets (X,Y)-- [1:0-0-3,Edge], [2:0-5-12,0-2-0], [3:0-3-12,0-2-0], [4:0-0-11,0-0-4], [6:0-1-12,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.07	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.17	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 83 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=716/Mechanical, 4=814/0-3-8
Max Horz 1=-100(LC 10)
Max Uplift 4=-39(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-915/181, 2-3=-688/207, 3-4=-934/177
BOT CHORD 1-7=-10/693, 6-7=-8/698, 4-6=-5/688

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

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169164
PAULK	F1GIR	Half Hip Girder	1	2	Job Reference (optional)	

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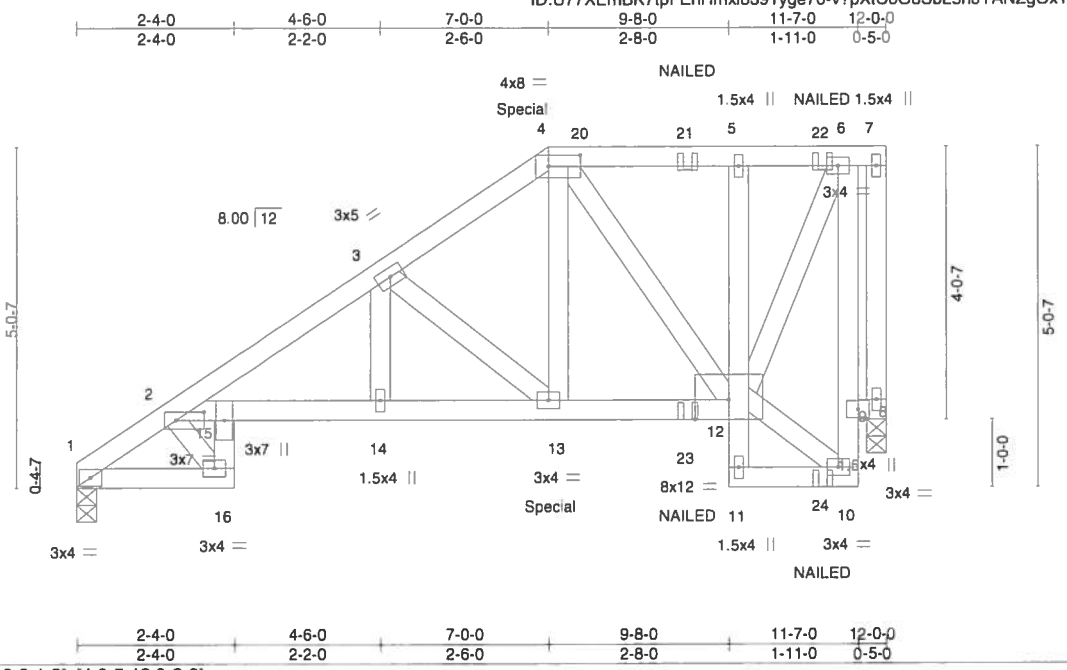

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Plate Offsets (X,Y)-- [2:0-5-0,0-1-8], [4:0-5-12,0-2-0]

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	0.34	Vert(LL)	-0.05	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.10	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 173 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=765/0-3-8, 8=1152/0-3-8
Max Horz 1=130(LC 5)
Max Uplift 1=-16(LC 8), 8=-71(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-1170/41, 2-3=-1692/78, 3-4=-1133/82, 4-5=-549/63, 5-6=-535/62, 7-8=-570/72
BOT CHORD 1-16=-77/904, 15-16=-74/960, 2-15=-101/1203, 14-15=-117/1417, 13-14=-117/1417, 12-13=-84/921, 5-12=-371/86, 6-9=-551/111
WEBS 4-13=0/858, 4-12=-618/43, 6-12=-82/1141, 2-16=-1137/101, 3-13=-670/57, 3-14=0/440

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 174 lb down and 121 lb up at 7-0-0 on top chord, and 476 lb down and 21 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, 4-7=-60, 16-17=-20, 12-15=-20, 10-11=-20, 8-9=-20

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 13=-476(B) 4=-110(B) 21=-110(B) 22=-132(B) 23=-78(B) 24=-64(B)

Job	Truss	Truss Type	Qty	Ply	Paulk	T18169165
PAULK	F2	Half Hip	1	1	Job Reference (optional)	

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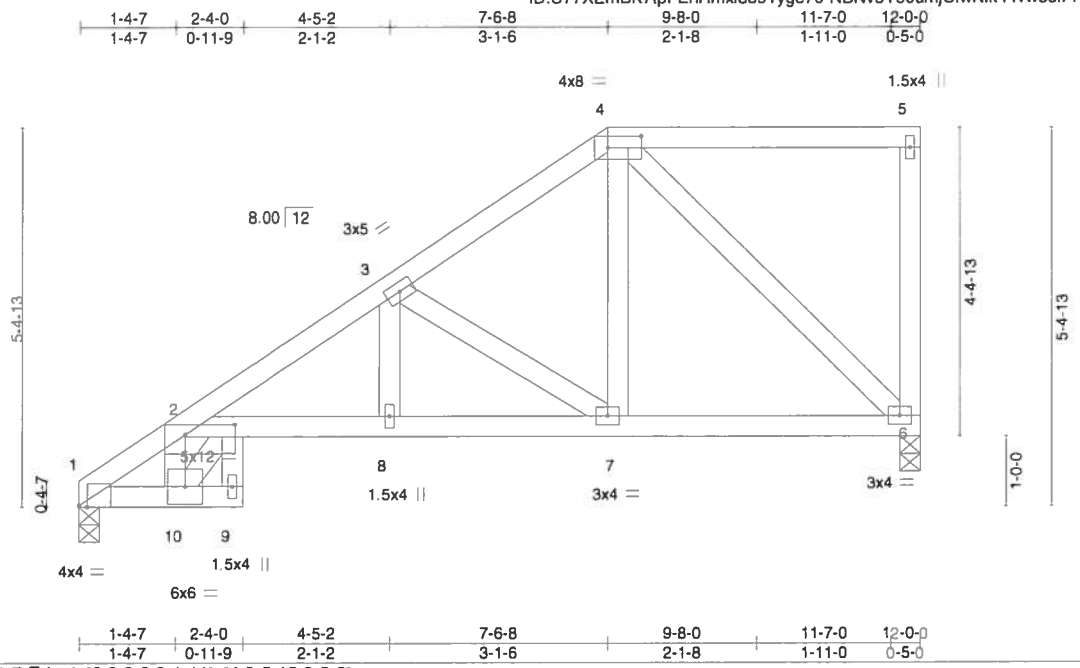

Plate Offsets (X,Y)-- [1:0-1-7,Edge], [2:0-8-8,0-1-11], [4:0-5-12,0-2-0]

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	0.66	Vert(LL)	0.14	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.26	9	>537	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.16	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 70 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP SS *Except*
4-5: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 1=481/0-3-8, 6=476/0-3-8
Max Horz 1=141(LC 9)
Max Uplift 6=-24(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-613/111, 2-3=-856/185, 3-4=-454/143
BOT CHORD 2-8=-370/851, 7-8=-374/861, 6-7=-181/381
WEBS 4-7=-44/346, 4-6=-438/180, 2-10=-256/615, 3-7=-577/228

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

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Date:
September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169166
PAULK	F3GIR	Half Hip Girder	1	2	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:34 2019 Page 1
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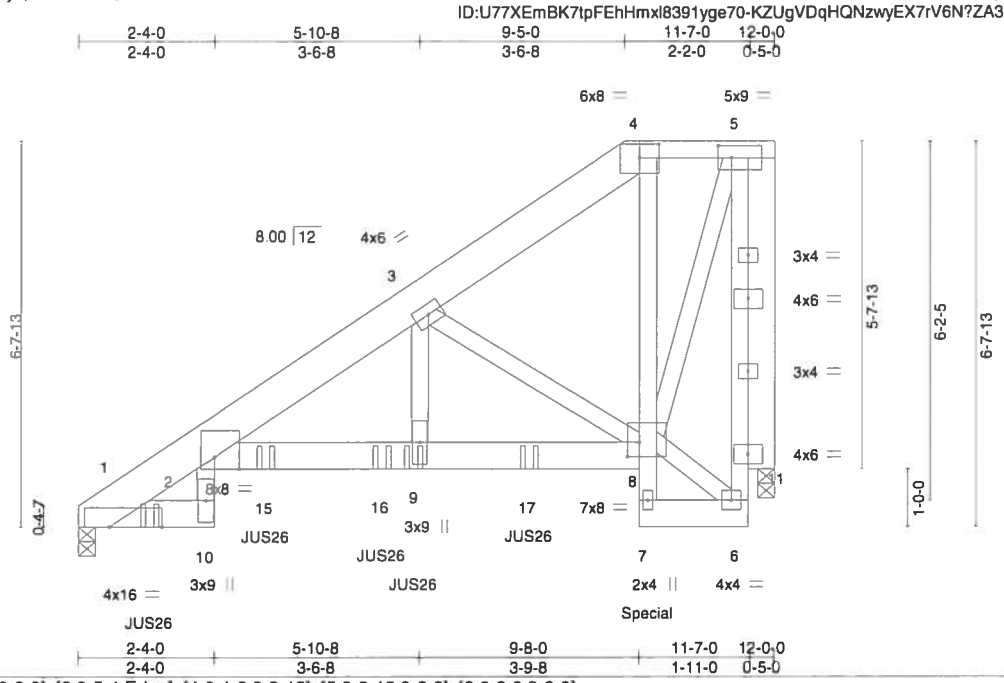

Plate Offsets (X,Y)-- [1:0-10-14,0-0-0], [2:0-5-4,Edge], [4:0-4-0,0-2-13], [5:0-2-12,0-2-8], [8:0-2-8,0-3-0]

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	2-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.17	2-9	>775	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 232 lb	FT = 0%

LUMBER-
TOP CHORD 2x8 SP 2400F 2.0E *Except*
4-5: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
1-10,6-7: 2x6 SP No.2, 2-8: 2x6 SP SS
WEBS 2x4 SP No.2 *Except*
5-11: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 7-8.

REACTIONS. (lb/size) 1=3912/0-3-8, 11=3303/0-3-8
Max Horz 1=188(LC 20)
Max Uplift 1=-55(LC 8), 11=-93(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-2216/53, 2-3=-4877/93, 3-4=-1311/63, 4-5=-964/70, 5-11=-3235/112
BOT CHORD 2-10=-35/1180, 2-9=-161/4628, 8-9=-162/4591, 4-8=-38/683
WEBS 3-9=-18/3254, 3-8=-4394/122, 5-8=-107/3273

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) 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 1-2-12 from the left end to 7-9-4 to connect truss(es) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1040 lb down and 32 lb up at 9-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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LOAD CASE(S) Standard

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-4=-60, 4-5=-60, 10-12=-20, 2-8=-20, 6-7=-20
   Concentrated Loads (lb)
   Vert: 8=-1040(F) 9=-1032(F) 14=-1137(F) 15=-1072(F) 16=-1032(F) 17=-1032(F)

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	GIR1	Jack-Closed Girder	1	2	Job Reference (optional)	T18169167

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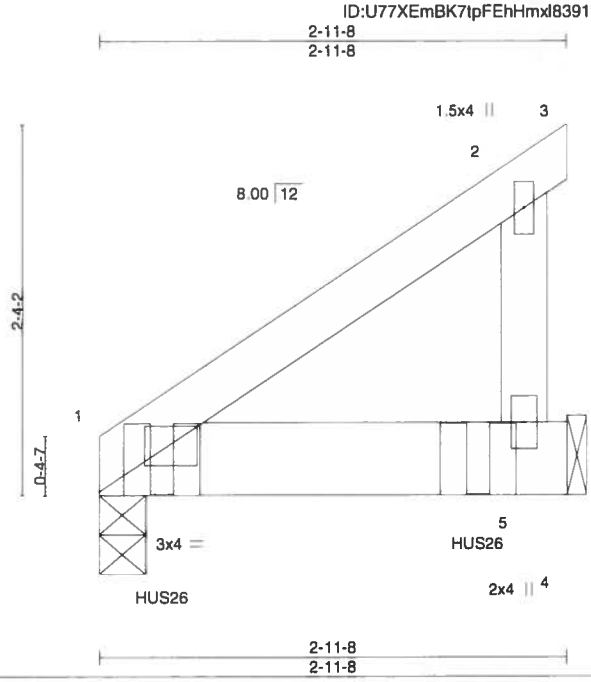

Plate Offsets (X,Y)-- [1:0-7-7,Edge]

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	0.08	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.01	5-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 29 lb	FT = 0%

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 2-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=638/0-3-8, 5=991/Mechanical
Max Horz 1=56(LC 5)

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

NOTES-
1) 2-ply truss to be connected together 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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-4-12 from the left end to 2-4-12 to connect truss(es) to front face of bottom chord.
8) 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: 5=-701(F) 7=-702(F)

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169168
PAULK	GIR2	Roof Special Girder	1	2	Job Reference (optional)	

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4-2-12	8-2-0	12-4-2	16-6-0	20-7-15	25-9-0
4-2-12	3-11-4	4-2-2	4-1-14	4-1-14	5-1-1

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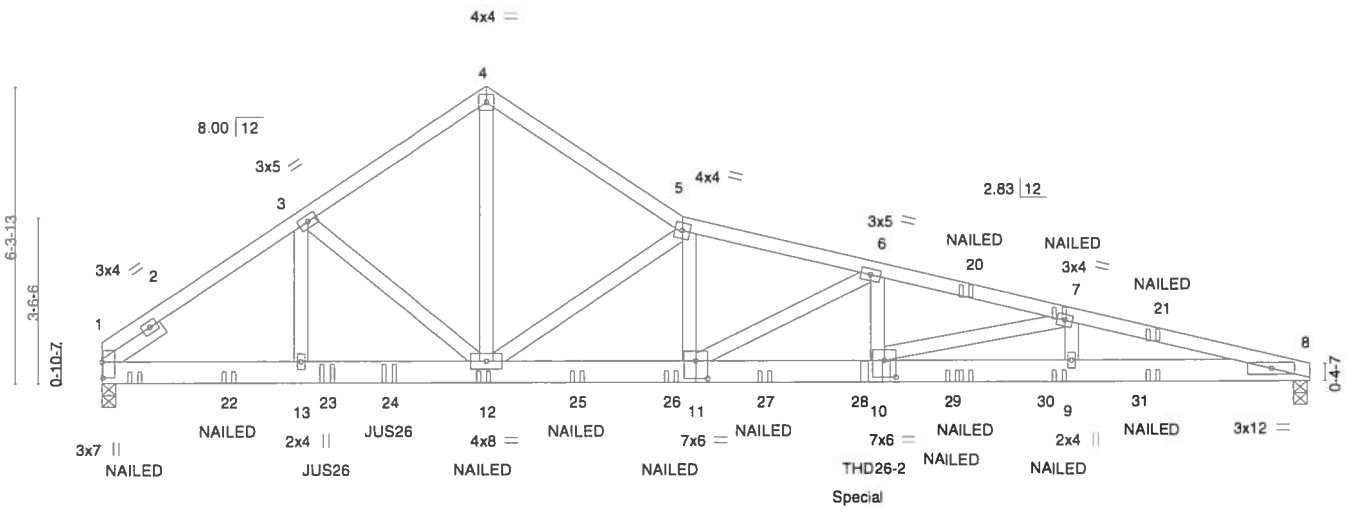

4-2-12	8-2-0	12-4-2	16-6-0	20-7-15	25-8-4	25-9-0
4-2-12	3-11-4	4-2-2	4-1-14	4-1-14	5-0-5	0-0-12

Plate Offsets (X,Y)-- [1:0-4-0,0-0-4], [10:0-3-0,0-4-4], [11:0-3-0,0-4-8]

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)	-0.26	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.54	9-10	>572	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 305 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=2468/0-3-8, 8=3326/0-3-7
Max Horz 1=-100(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-3399/0, 3-4=-3148/0, 4-5=-3165/0, 5-6=-6264/0, 6-7=-9654/0, 7-8=-11571/0
BOT CHORD 1-13=0/2745, 12-13=0/2745, 11-12=0/5881, 10-11=0/9370, 9-10=0/11251, 8-9=0/11251
WEBS 3-12=-257/46, 4-12=0/3147, 5-12=-4123/0, 5-11=0/1998, 6-11=-3791/0, 6-10=0/2258, 7-10=-1974/0, 7-9=0/642

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 16-5-8 from the left end to connect truss(es) to front face of bottom chord.
8) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 1-3-13 oc max. starting at 4-9-7 from the left end to 6-1-4 to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
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) 124 lb down at 16-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-5=-60, 5-8=-60, 8-14=-20
   Concentrated Loads (lb)
   Vert: 12=-66(B) 10=-1279(F) 7=-66(F) 16=-92(B) 19=-362 20=-127(F) 21=-5(F) 22=-74(B) 23=-252(B) 24=-252(B) 25=-66(B) 26=-66(B) 27=-66(B) 28=-66(B) 29=-129(F=-63, B=-66) 30=-400(F=-37) 31=-368(F=-6)

Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	GIR3	Roof Special Girder	1	2	T18169169

Job Reference (optional)

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1-5-0 3-8-12 4-0-4

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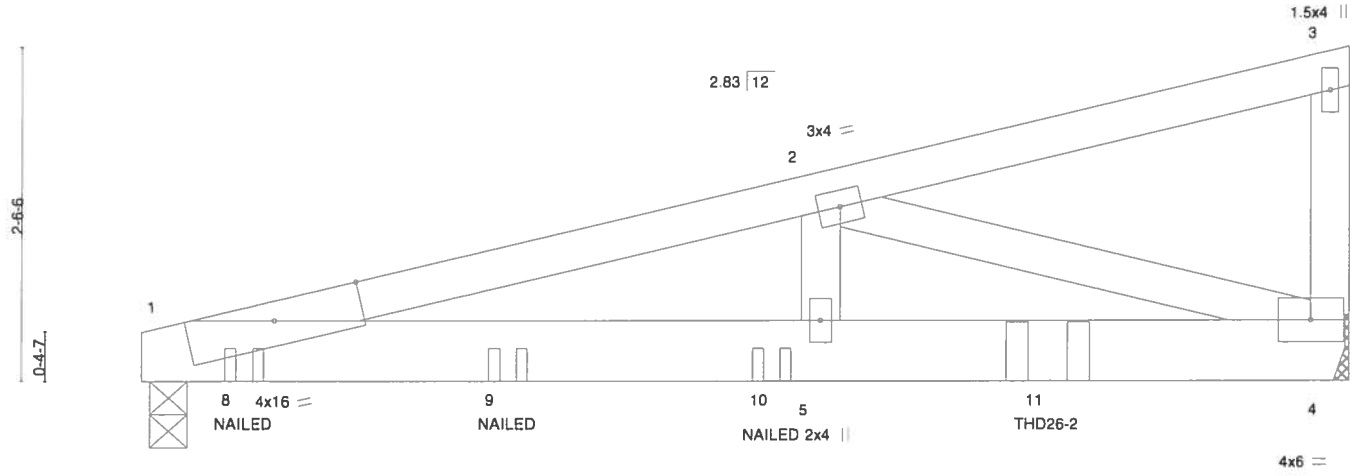

0-0-12 1-5-0 5-1-12 9-2-0
0-0-12 1-4-3 3-8-12 4-0-4

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	0.20	Vert(LL)	-0.03	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.06	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 89 lb	FT = 0%

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. (lb/size) 1=696/0-3-7, 4=1299/Mechanical
Max Horz 1=61(LC 5)
Max Uplift 1=-10(LC 8), 4=-77(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2236/94
BOT CHORD 1-5=-77/2149, 4-5=-77/2149
WEBS 2-5=-0/925, 2-4=-2135/93

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) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4.
8) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 6-10-8 from the left end to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 1-4=-20
Concentrated Loads (lb)
Vert: 8=-18(B) 9=-15(B) 10=-40(B) 11=-1215(B)

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169170
PAULK	H12	Hip Girder	1	2	Job Reference (optional)	

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8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:39 2019 Page 1
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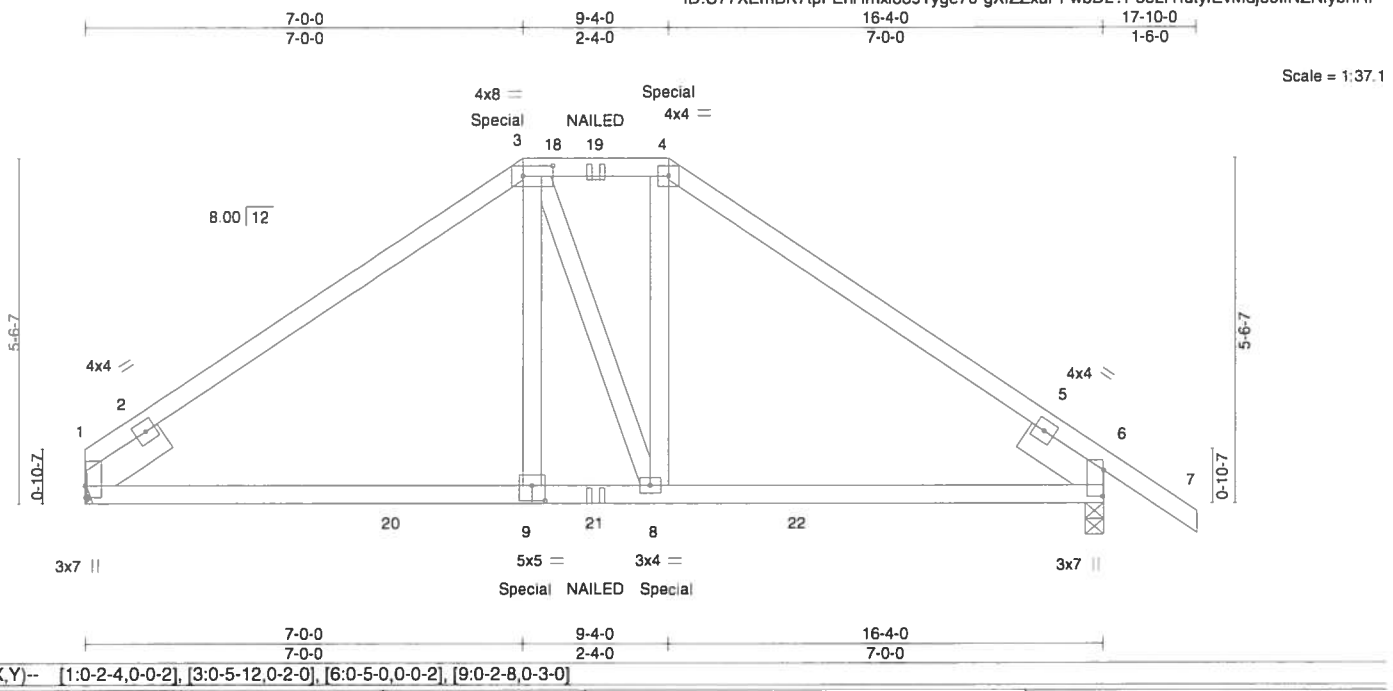

Plate Offsets (X,Y)-- [1:0-2-4,0-0-2], [3:0-5-12,0-2-0], [6:0-5-0,0-0-2], [9:0-2-8,0-3-0]

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	0.46	Vert(LL)	0.04	9-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.06	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 171 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=1235/Mechanical, 6=1334/0-3-8
Max Horz 1=-100(LC 6)
Max Uplift 1=-107(LC 8), 6=-148(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1670/215, 3-4=-1293/204, 4-6=-1667/213
BOT CHORD 1-9=-92/1314, 8-9=-91/1327, 6-8=-67/1284
WEBS 3-9=0/500, 4-8=0/501

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=107, 6=148.
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) 227 lb down and 179 lb up at 7-0-0, and 227 lb down and 179 lb up at 9-4-0 on top chord, and 316 lb down and 26 lb up at 7-0-0, and 316 lb down and 26 lb up at 9-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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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, 4-7=-60, 10-14=-20
   Concentrated Loads (lb)
   Vert: 3=-180(B) 4=-180(B) 9=-316(B) 8=-316(B) 19=-124(B) 21=-56(B)

Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	H16	Hip Girder	1	2	Job Reference (optional)	T18169171

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ID:U77XEmBK7tpFEhHmxl8391yge70-cwPJzdvgnXrxHJZUmTk0n2zLI1ZI5bHJ70sfSbybhRG

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1-9-0 | 5-8-0 | 1-9-0

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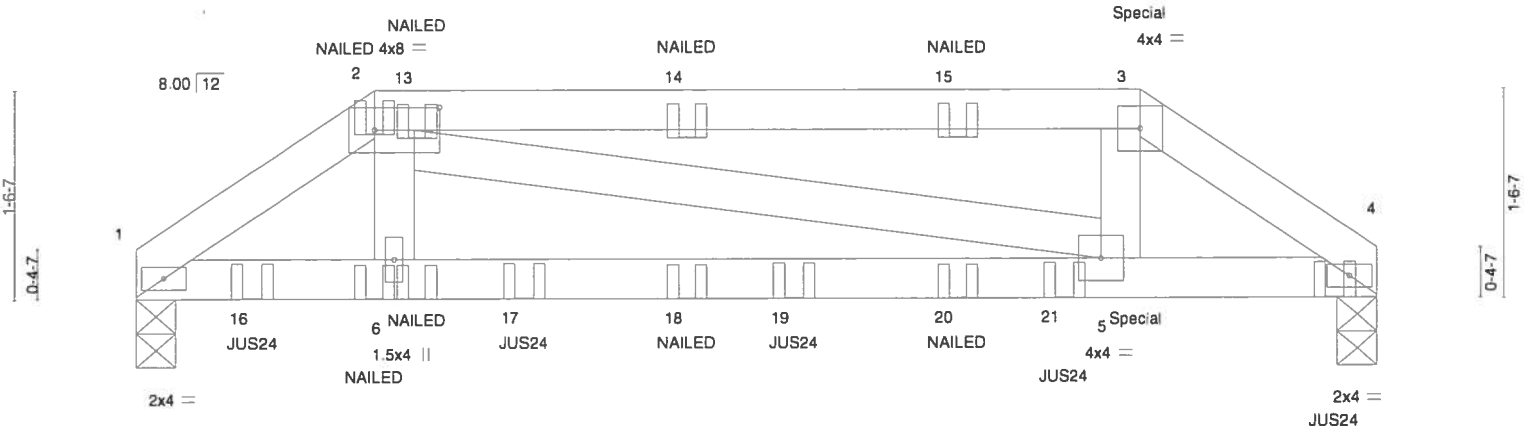

1-9-0 | 7-5-0 | 9-2-0
1-9-0 | 5-8-0 | 1-9-0

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

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	0.26	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.08	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 79 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=881/0-3-8, 4=956/0-3-8
Max Horz 1=22(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1484/0, 2-3=-1290/0, 3-4=-1485/0
BOT CHORD 1-6=0/1217, 5-6=0/1292, 4-5=0/1214
WEBS 2-6=0/645, 3-5=0/652

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 0-5-0 oc, Except member 5-2 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Use USP JUS24 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-10-4 from the left end to 8-10-4 to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
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) 84 lb down and 129 lb up at 7-5-0 on top chord, and 43 lb down and 89 lb up at 7-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 7-10=-20

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 2=42(F) 3=42(F) 6=50(F) 5=50(F) 12=-264(B) 16=-259(B) 17=-258(B) 18=5(F) 19=-258(B) 20=5(F) 21=-258(B)

Job	Truss	Truss Type	Qty	Ply	Paulk	T18169172
PAULK	J1	Jack-Open	18	1	Job Reference (optional)	

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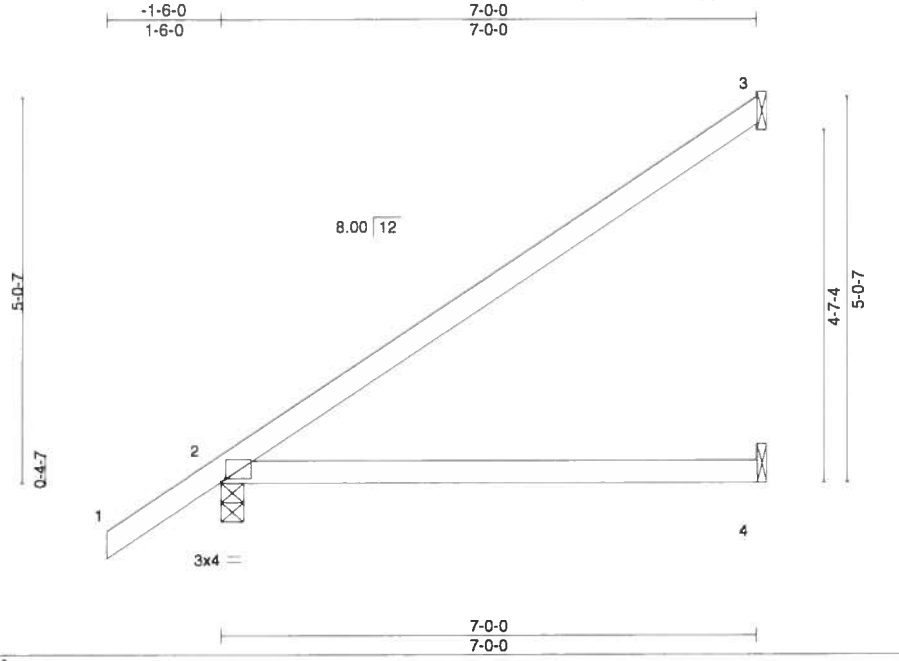

Plate Offsets (X,Y)-- [2:0-0-11,Edge]

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	0.59	Vert(LL)	-0.09	4-7	>936	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 FBC2017/TPI2014		Matrix-AS							Weight: 26 lb	FT = 0%

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. (lb/size) 3=186/Mechanical, 2=377/0-3-8, 4=82/Mechanical
Max Horz 2=147(LC 12)
Max Uplift 3=-59(LC 12), 2=-5(LC 12)
Max Grav 3=189(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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169173
PAULK	J1A	Jack-Open	2	1	Job Reference (optional)	

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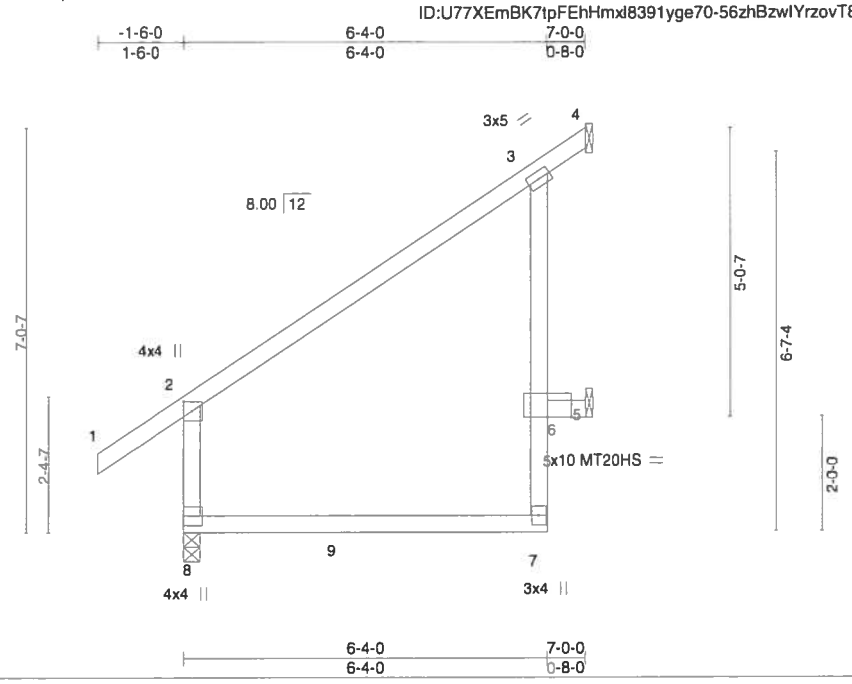

Plate Offsets (X,Y)-- [2:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.06	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.10	7-8	>794	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.18	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 38 lb	FT = 0%

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

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

REACTIONS. (lb/size) 8=382/0-3-8, 4=10/Mechanical, 5=250/Mechanical
Max Horz 8=191(LC 12)
Max Uplift 4=-6(LC 10), 5=-152(LC 12)
Max Grav 8=382(LC 1), 4=70(LC 12), 5=324(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-322/93
BOT CHORD 3-6=-300/311

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=152.
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	Paulk	T18169174
PAULK	J1B	Jack-Open	6	1	Job Reference (optional)	

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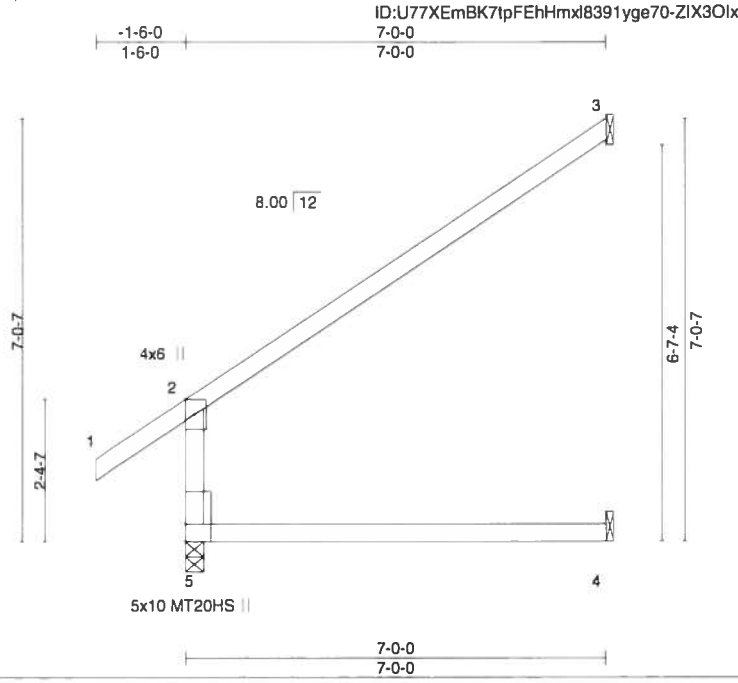

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

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	0.72	Vert(LL)	0.17	4-5	>471	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.26	4-5	>318	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.38	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 29 lb	FT = 0%

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

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

REACTIONS. (lb/size) 5=382/0-3-8, 3=186/Mechanical, 4=74/Mechanical
Max Horz 5=191(LC 12)
Max Uplift 3=-89(LC 12)
Max Grav 5=382(LC 1), 3=198(LC 17), 4=128(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-320/105

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169175
PAULK	J1C	Jack-Open	6	1	Job Reference (optional)	

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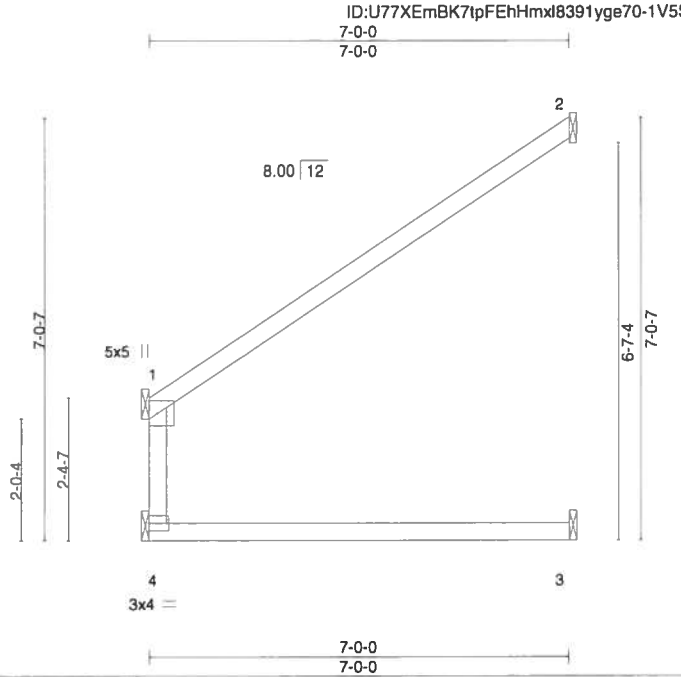

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.07	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.13	3-4	>615	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 26 lb	FT = 0%

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

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

REACTIONS. All bearings Mechanical.
(lb) - Max Horz 4=181(LC 1), 1=-235(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 2, 1
Max Grav All reactions 250 lb or less at joint(s) 4, 2, 3, 1

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 1.
6) Non Standard bearing condition. Review required.
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.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169176
PAULK	J1D	Jack-Open	2	1	Job Reference (optional)	

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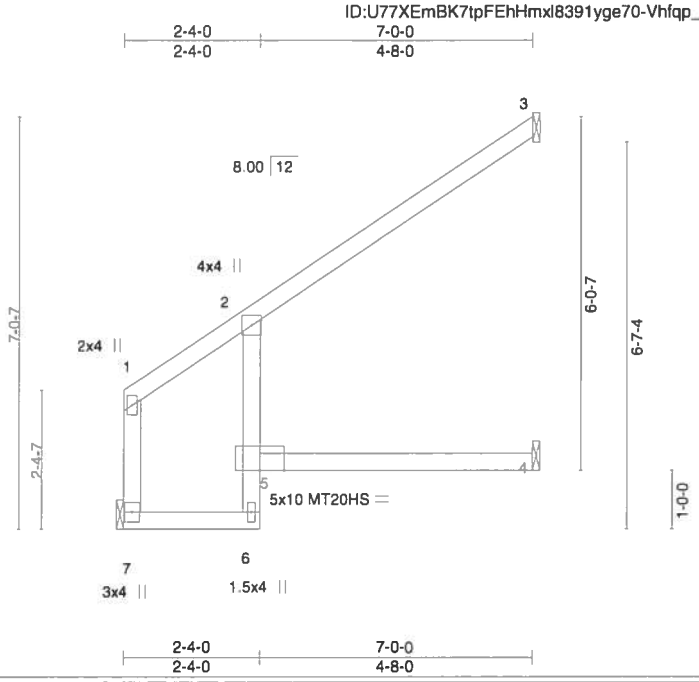

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	0.21	4-5	>394	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.29	4-5	>283	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.27	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 31 lb	FT = 0%

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

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

REACTIONS. (lb/size) 7=272/Mechanical, 3=180/Mechanical, 4=91/Mechanical
Max Horz 7=151(LC 12)
Max Uplift 3=-73(LC 12), 4=-4(LC 12)
Max Grav 7=272(LC 1), 3=191(LC 17), 4=118(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169177
PAULK	J1E	Jack-Open	5	1	Job Reference (optional)	

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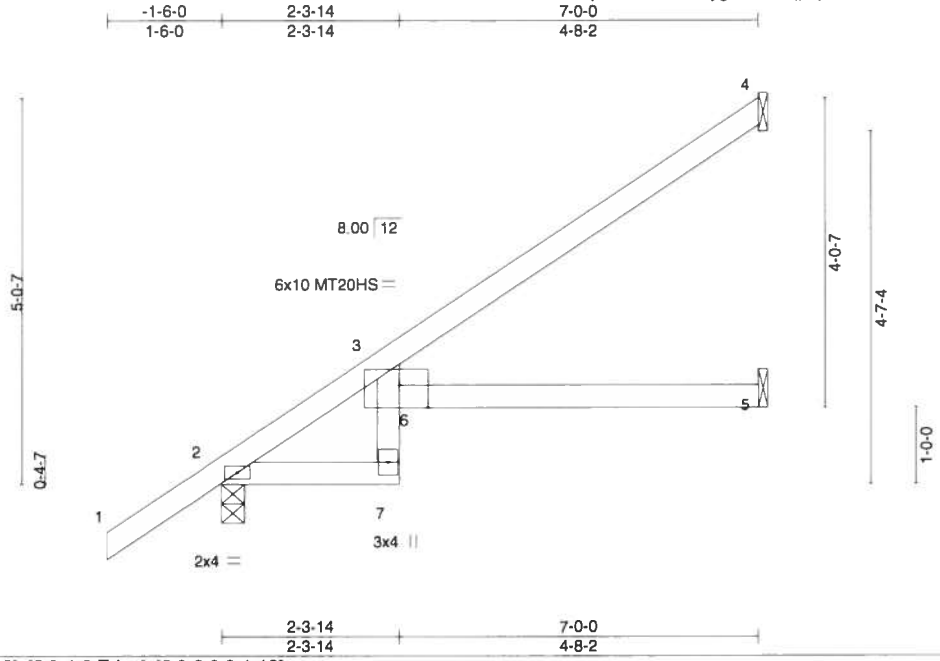

Plate Offsets (X,Y)-- [3:0-1-12,0-1-3], [3:0-4-8,Edge], [6:0-0-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	0.11	5-6	>741	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.23	5-6	>370	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.09	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 28 lb	FT = 0%

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

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

REACTIONS. (lb/size) 4=170/Mechanical, 2=377/0-3-8, 5=98/Mechanical
Max Horz 2=147(LC 12)
Max Uplift 4=-48(LC 12), 2=-5(LC 12)
Max Grav 4=172(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=-350/0
BOT CHORD 2-7=-118/327

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 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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6904 Parke East Blvd. Tampa FL 33610
Date:
September 23,2019

Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J1F	Jack-Open	5	1	T18169178

Job Reference (optional)

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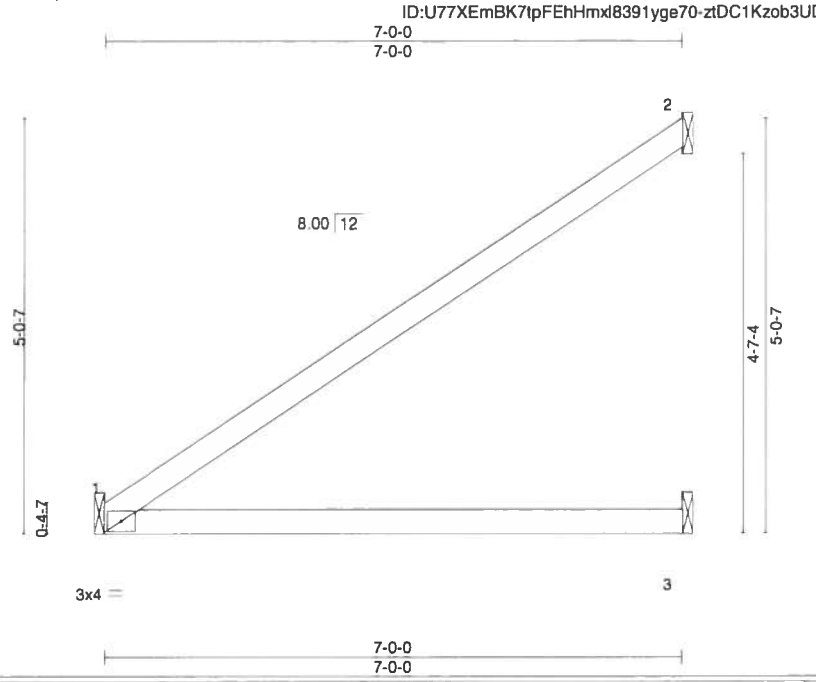

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	0.10	3-6	>855	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.22	3-6	>375	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 23 lb	FT = 0%

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. (lb/size) 1=278/Mechanical, 2=191/Mechanical, 3=87/Mechanical
Max Horz 1=111(LC 12)
Max Uplift 2=-62(LC 12)
Max Grav 1=278(LC 1), 2=194(LC 17), 3=127(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	J1G	Jack-Open	3	1	Job Reference (optional)	T18169179

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:47 2019 Page 1
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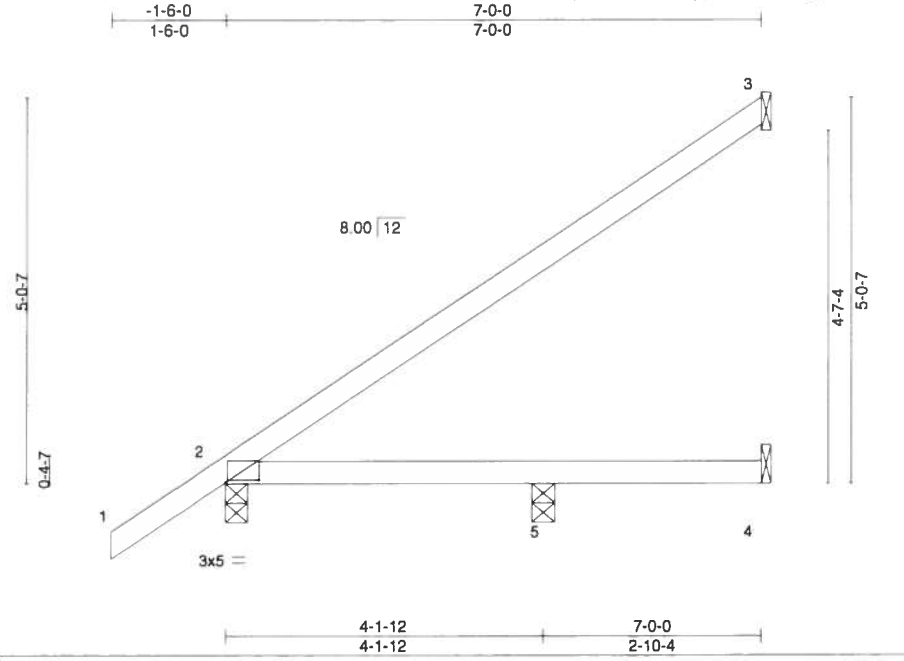

Plate Offsets (X,Y)-- [2:0-5-4,0-0-6]

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	0.48	Vert(LL)	-0.03	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.05	5-8	>942	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 26 lb	FT = 0%

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. All bearings Mechanical except (jt=length) 2=0-3-8, 5=0-3-8.
(lb) - Max Horz 2=147(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 3, 2, 4
Max Grav All reactions 250 lb or less at joint(s) 3, 4, 5 except 2=305(LC 1)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J1H	Jack-Open	3	1	T18169180

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:47 2019 Page 1
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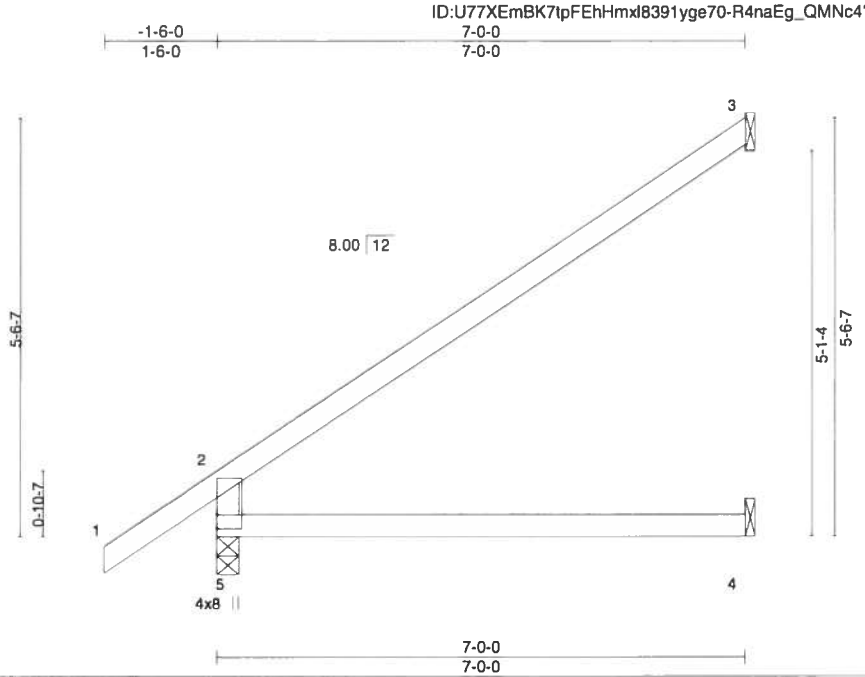

Plate Offsets (X,Y)-- [2:0-1-3,0-1-12], [5:0-0-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.09	4-5	>883	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	4-5	>392	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.08	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 27 lb	FT = 0%

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

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

REACTIONS. (lb/size) 5=382/0-3-8, 3=184/Mechanical, 4=76/Mechanical
Max Horz 5=161(LC 12)
Max Uplift 3=-67(LC 12)
Max Grav 5=382(LC 1), 3=190(LC 17), 4=125(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-322/135

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

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September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169181
PAULK	J1K	Jack-Open	4	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:48 2019 Page 1
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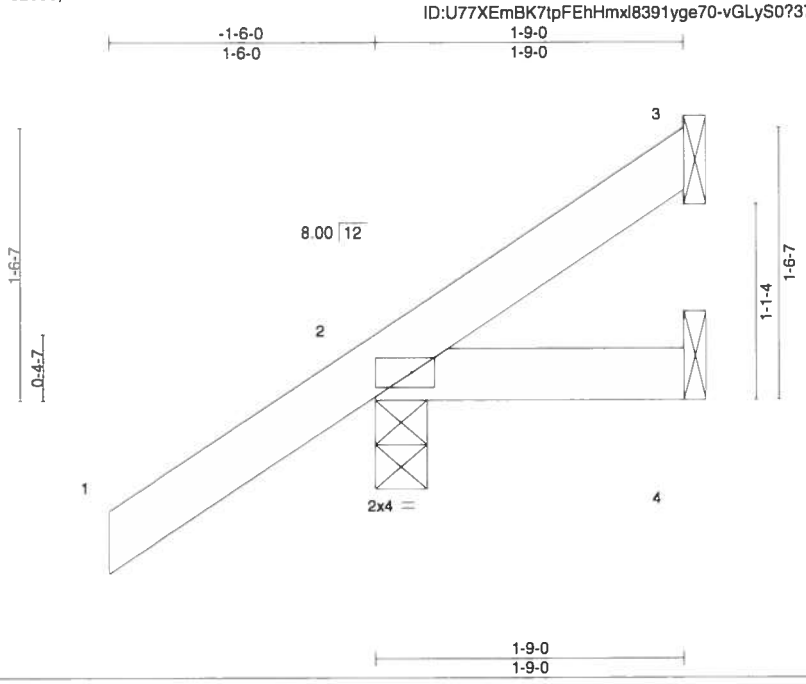

Plate Offsets (X,Y)-- [2:0-1-9,Edge]

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	0.15	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 9 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=27/Mechanical, 2=198/0-3-8, 4=4/Mechanical
Max Horz 2=64(LC 12)
Max Uplift 3=-6(LC 9), 2=-52(LC 12)
Max Grav 3=28(LC 17), 2=198(LC 1), 4=25(LC 3)

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

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

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Date:
September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169182
PAULK	J1M	Jack-Open	7	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:49 2019 Page 1
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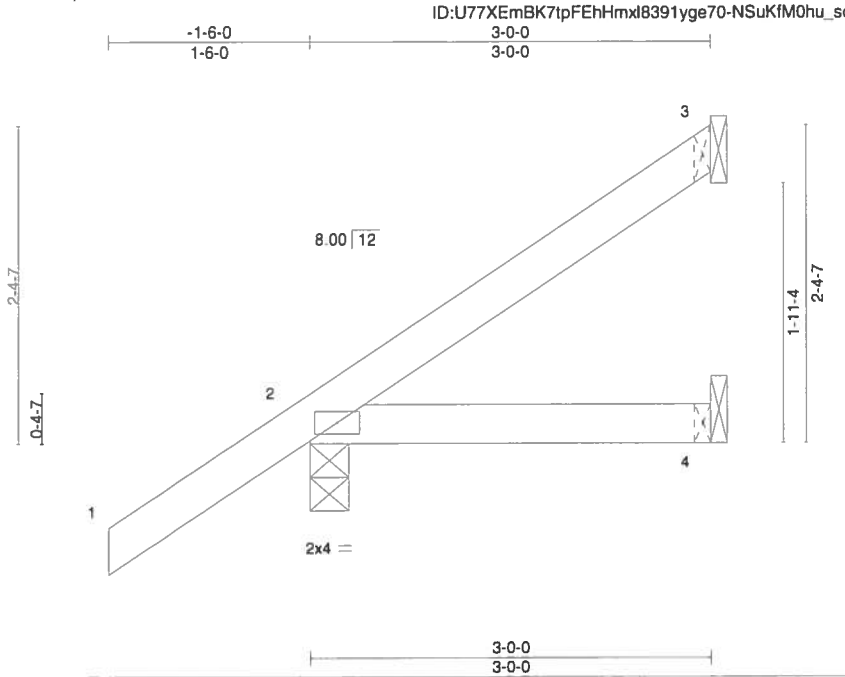

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 0%

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. (lb/size) 3=66/Mechanical, 2=230/0-3-8, 4=29/Mechanical
Max Horz 2=84(LC 12)
Max Uplift 3=-18(LC 12), 2=-36(LC 12)
Max Grav 3=68(LC 17), 2=230(LC 1), 4=51(LC 3)

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

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

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Date:
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Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	J1N	Jack-Open	2	1	Job Reference (optional)	T18169183

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:50 2019 Page 1
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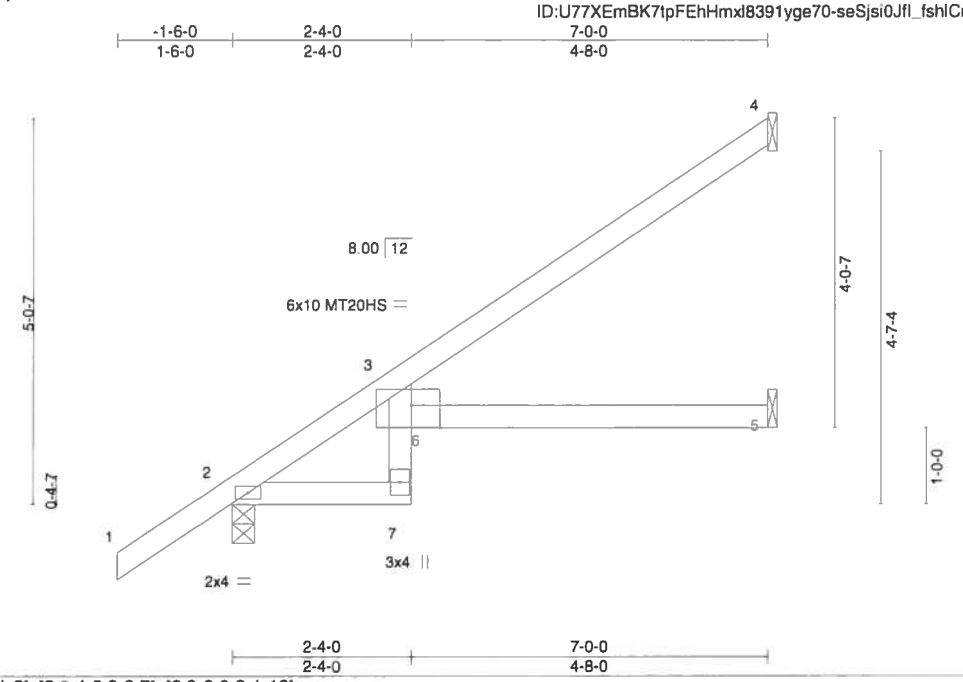

Plate Offsets (X,Y)-- [3:0-1-12,0-1-3], [3:0-4-8,0-3-7], [6:0-0-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	0.11	5-6	>741	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.22	5-6	>370	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 FBC2017/TPI2014		Matrix-AS							Weight: 28 lb	FT = 0%

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. (lb/size) 4=170/Mechanical, 2=377/0-3-8, 5=98/Mechanical
Max Horz 2=147(LC 12)
Max Uplift 4=-48(LC 12), 2=-5(LC 12)
Max Grav 4=172(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=-350/0
BOT CHORD 2-7=-118/327

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 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	Paulk	T18169184
PAULK	J1P	Jack-Open	1	1	Job Reference (optional)	

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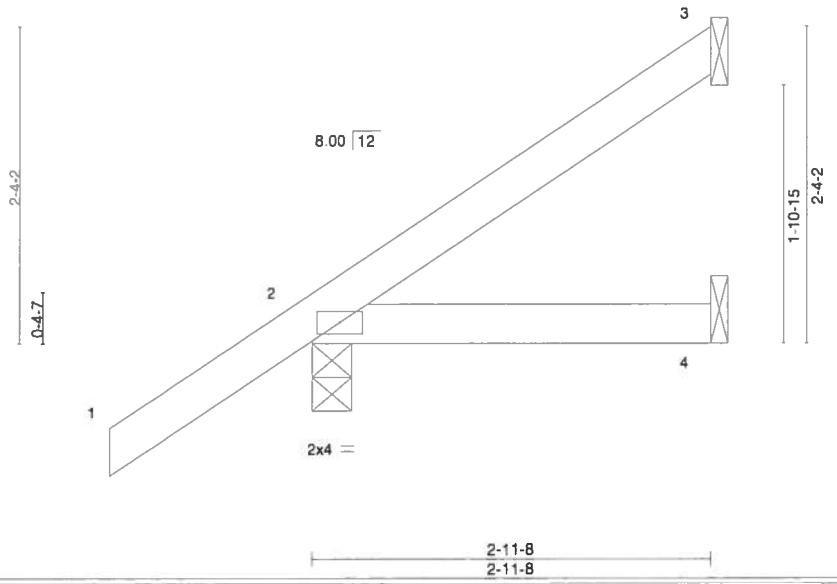

2-11-8
2-11-8

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	0.15	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 FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=65/Mechanical, 2=229/0-3-8, 4=28/Mechanical
Max Horz 2=83(LC 12)
Max Uplift 3=-17(LC 12), 2=-36(LC 12)
Max Grav 3=67(LC 17), 2=229(LC 1), 4=50(LC 3)

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

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

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September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J2	Jack-Open	6	1	T18169185

Job Reference (optional)

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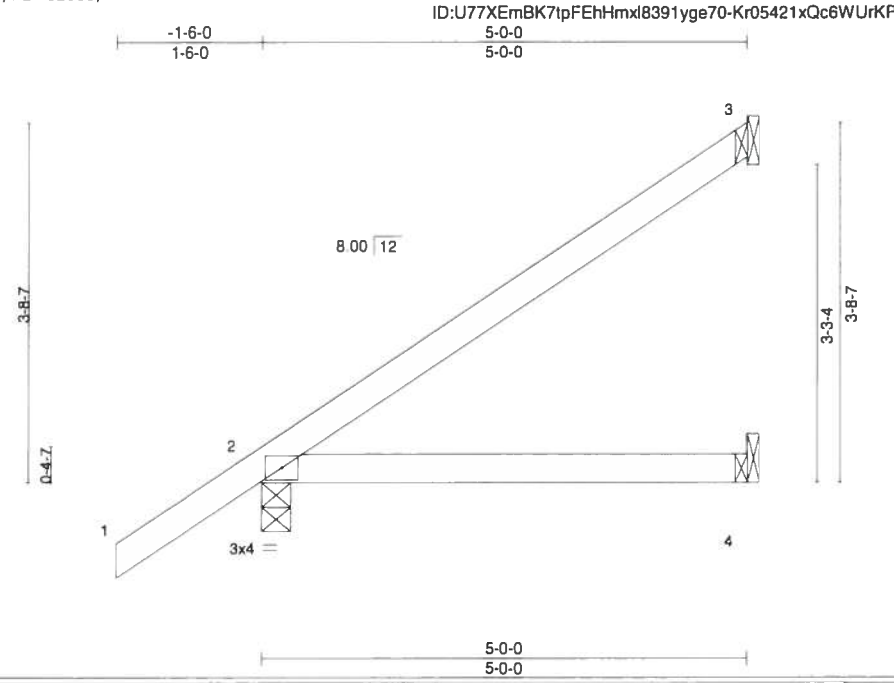

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.06	4-7	>998	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 19 lb	FT = 0%

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. (lb/size) 3=126/Mechanical, 2=301/0-3-8, 4=57/Mechanical
Max Horz 2=116(LC 12)
Max Uplift 3=-39(LC 12), 2=-19(LC 12)
Max Grav 3=129(LC 17), 2=301(LC 1), 4=89(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169186
PAULK	J2AL	Jack-Open	1	1	Job Reference (optional)	

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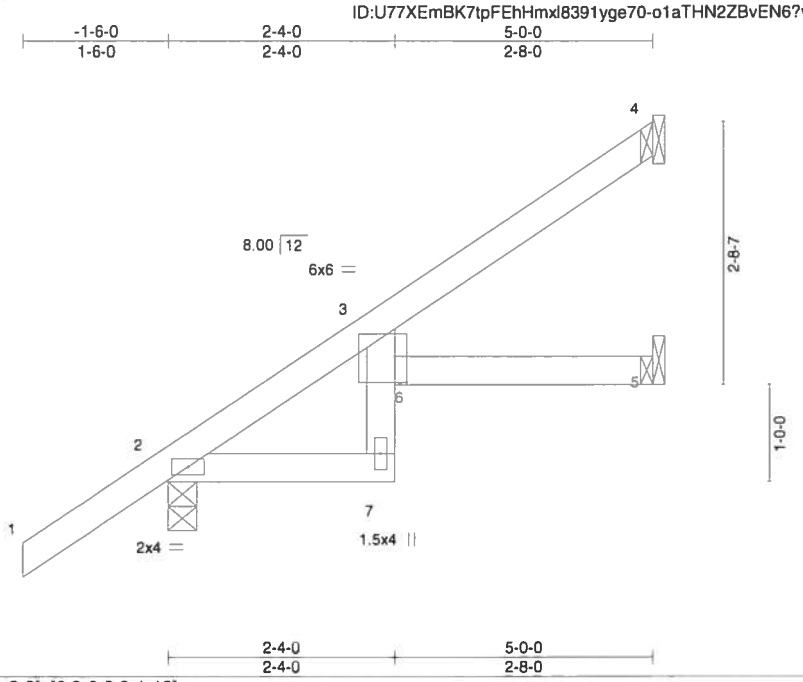

Plate Offsets (X,Y)-- [3:0-1-12,0-1-3], [3:0-1-8,0-3-3], [6:0-0-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.03	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.05	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 21 lb	FT = 0%

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

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

REACTIONS. (lb/size) 4=109/Mechanical, 2=301/0-3-8, 5=75/Mechanical
Max Horz 2=116(LC 12)
Max Uplift 4=-28(LC 12), 2=-19(LC 12)
Max Grav 4=111(LC 17), 2=301(LC 1), 5=87(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169187
PAULK	J2AR	Jack-Open	1	1	Job Reference (optional)	

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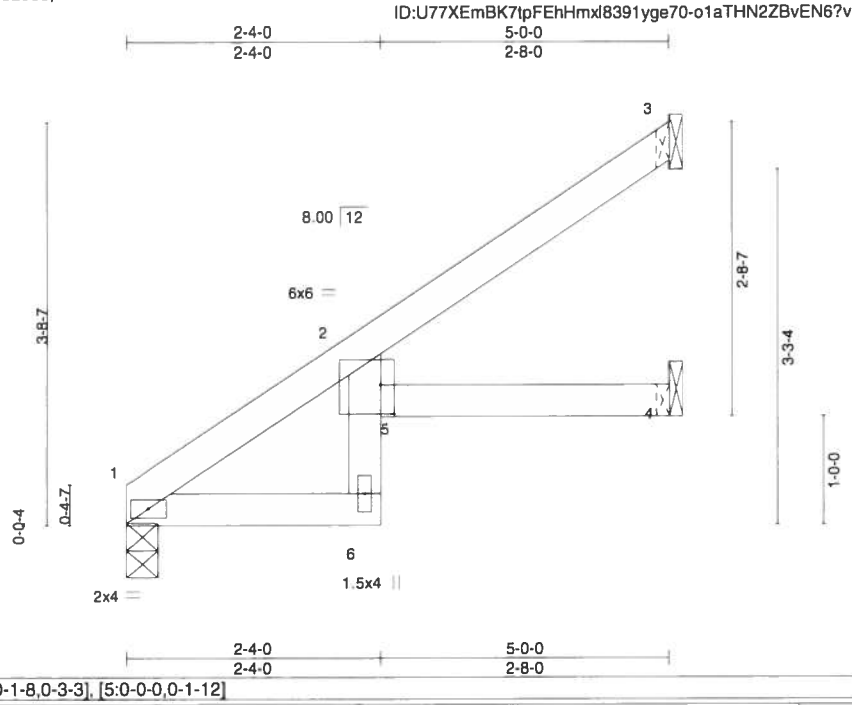

Plate Offsets (X,Y)-- [2:0-1-12,0-1-3], [2:0-1-8,0-3-3], [5:0-0-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.03	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.06	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 19 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=198/0-3-8, 3=114/Mechanical, 4=83/Mechanical
Max Horz 1=79(LC 12)
Max Uplift 3=-31(LC 12)
Max Grav 1=198(LC 1), 3=116(LC 17), 4=90(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-251/0

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
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.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	J2BL	Jack-Open	1	1	Job Reference (optional)	T18169188

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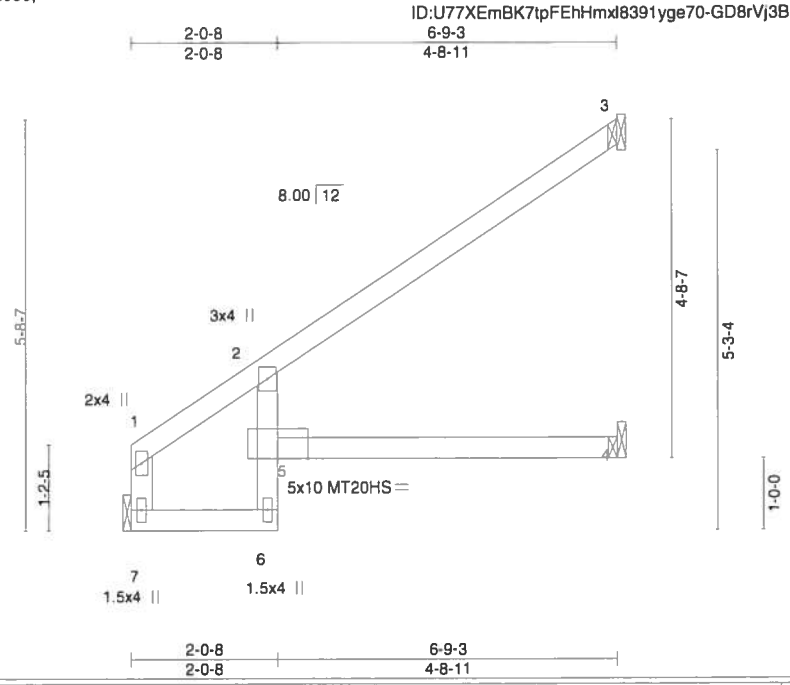

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.14	4-5	>580	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.21	4-5	>369	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.10	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 26 lb	FT = 0%

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

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

REACTIONS. (lb/size) 7=262/Mechanical, 3=174/Mechanical, 4=88/Mechanical
Max Horz 7=124(LC 12)
Max Uplift 3=-60(LC 12)
Max Grav 7=262(LC 1), 3=180(LC 17), 4=116(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J2BR	Jack-Open	1	1	T18169189
					Job Reference (optional)

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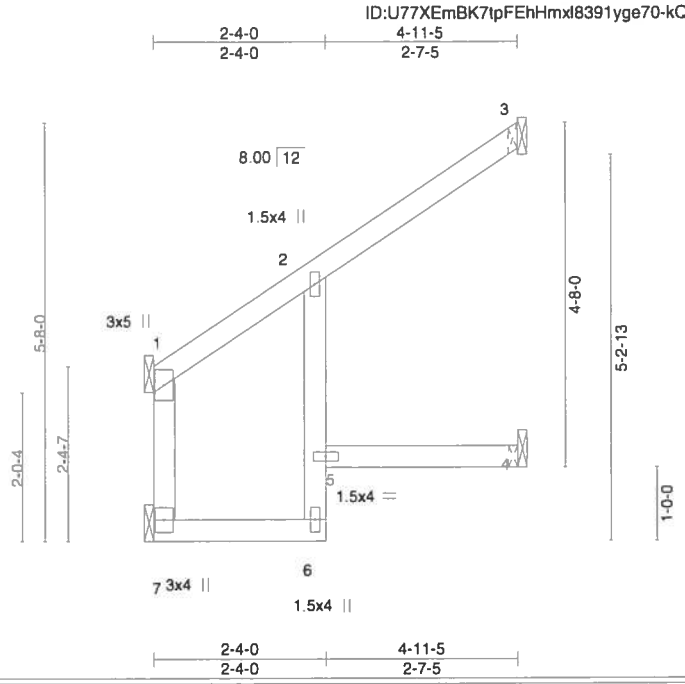

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.02	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.03	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 24 lb	FT = 0%

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

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

REACTIONS. All bearings Mechanical.
(lb) - Max Horz 7=99(LC 1), 1=-141(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 3
Max Grav All reactions 250 lb or less at joint(s) 7, 3, 4, 1

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
6) Non Standard bearing condition. Review required.
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.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	J2H	Jack-Open	3	1	Job Reference (optional)	T18169190

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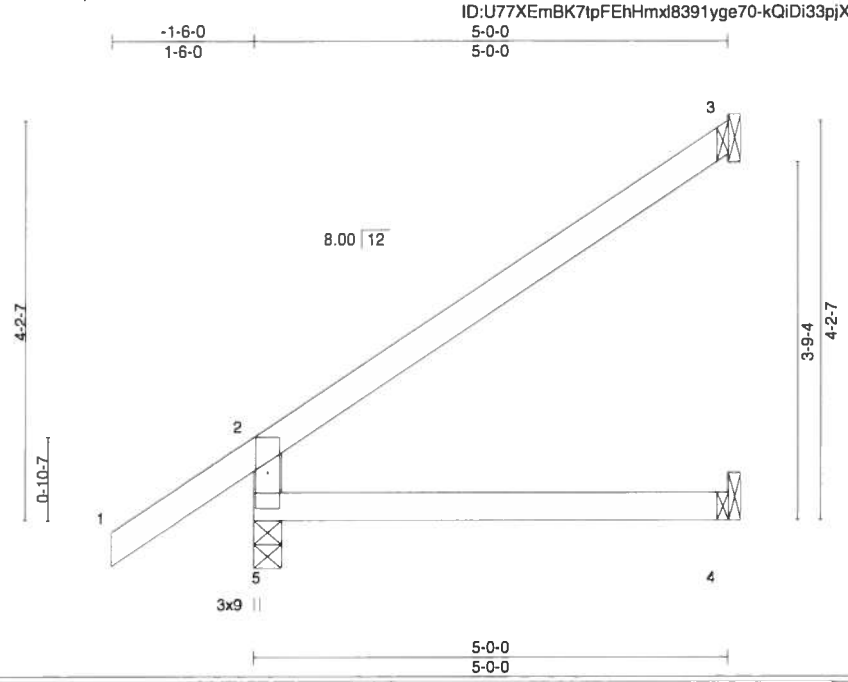

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.05	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 20 lb	FT = 0%

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

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

REACTIONS. (lb/size) 5=307/0-3-8, 3=124/Mechanical, 4=51/Mechanical
Max Horz 5=130(LC 12)
Max Uplift 5=-10(LC 12), 3=-47(LC 12)
Max Grav 5=307(LC 1), 3=129(LC 17), 4=88(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-262/125

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

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Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	J2HR	Jack-Open	1	1	Job Reference (optional)	T18169191

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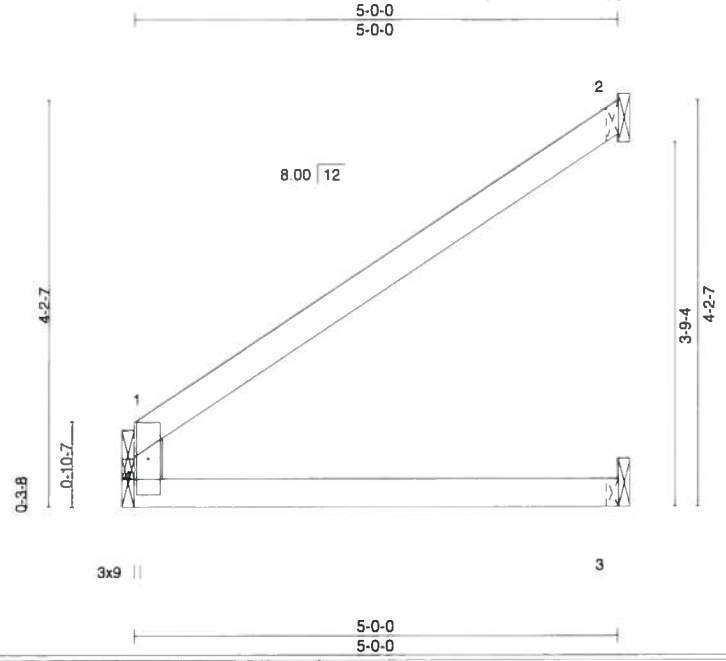

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.02	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.03	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 17 lb	FT = 0%

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

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

REACTIONS. All bearings Mechanical.
(lb) - Max Horz 4=332(LC 1), 1=-365(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2
Max Grav All reactions 250 lb or less at joint(s) 4, 1, 2, 3

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2.
6) Non Standard bearing condition. Review required.
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.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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Date:
September 23,2019

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

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169192
PAULK	J3	Jack-Open	6	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:56 2019 Page 1
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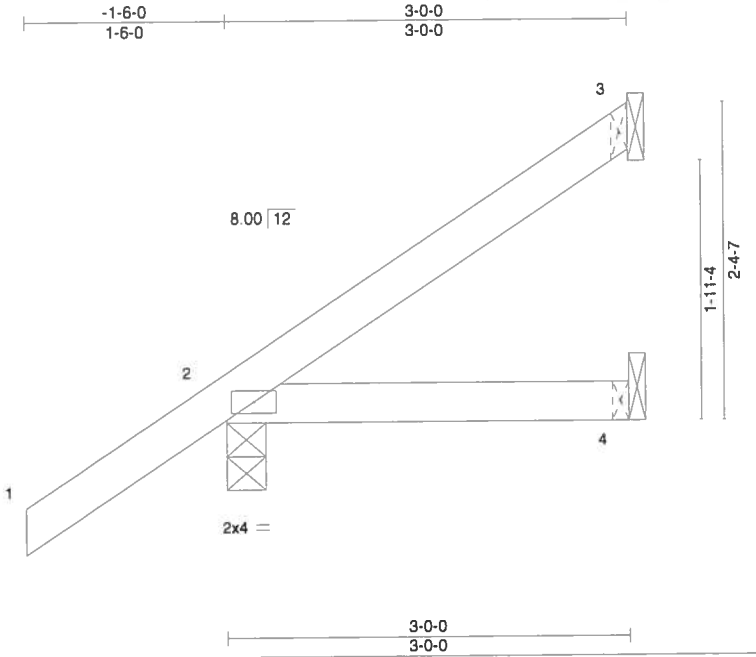

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 0%

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. (lb/size) 3=66/Mechanical, 2=230/0-3-8, 4=29/Mechanical
Max Horz 2=84(LC 12)
Max Uplift 3=-18(LC 12), 2=-36(LC 12)
Max Grav 3=68(LC 17), 2=230(LC 1), 4=51(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169193
PAULK	J3AL	Jack-Open	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:57 2019 Page 1
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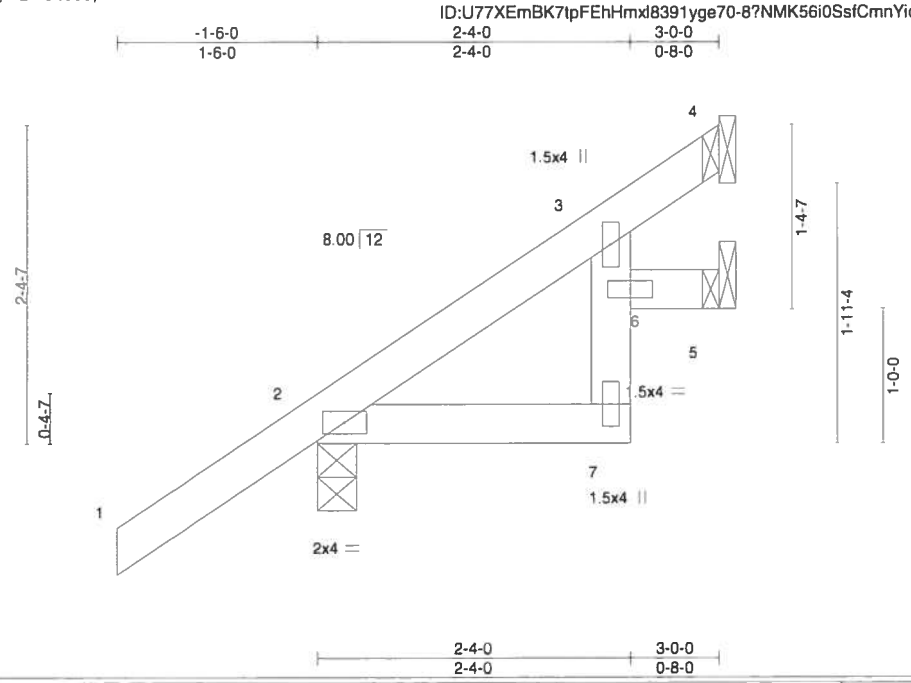

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 15 lb	FT = 0%

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

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. (lb/size) 4=42/Mechanical, 2=230/0-3-8, 5=53/Mechanical
Max Horz 2=84(LC 12)
Max Uplift 4=-8(LC 12), 2=-36(LC 12)
Max Grav 4=43(LC 17), 2=230(LC 1), 5=55(LC 17)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J3AR	Jack-Open	1	1	T18169194

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:57 2019 Page 1
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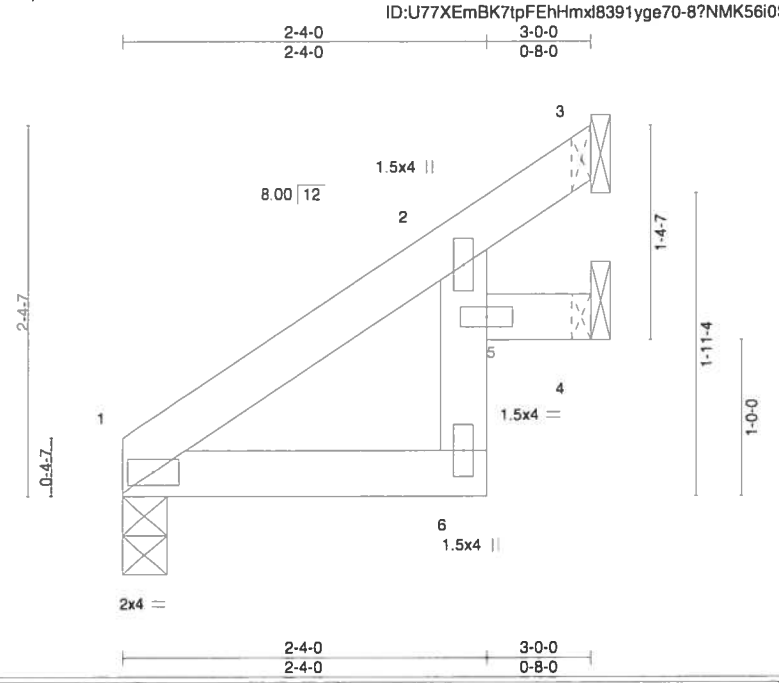

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	-0.00	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 12 lb	FT = 0%

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. (lb/size) 1=118/0-3-8, 3=45/Mechanical, 4=72/Mechanical
Max Horz 1=47(LC 12)
Max Uplift 3=-10(LC 12), 4=-6(LC 12)
Max Grav 1=118(LC 1), 3=46(LC 17), 4=73(LC 17)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J3BL	Jack-Open	1	1	T18169195
					Job Reference (optional)

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8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:58 2019 Page 1
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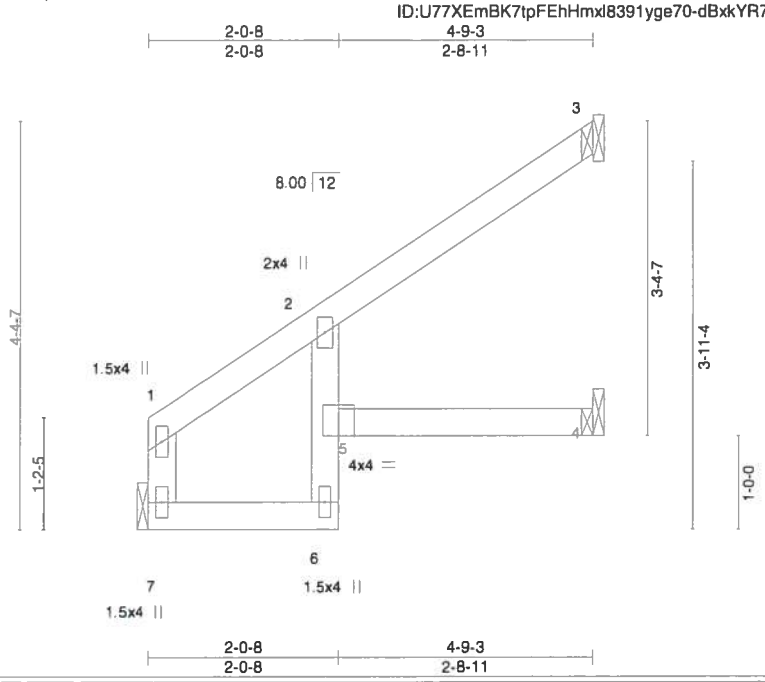

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.04	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.05	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 20 lb	FT = 0%

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

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

REACTIONS. (lb/size) 7=182/Mechanical, 3=114/Mechanical, 4=68/Mechanical
Max Horz 7=92(LC 12)
Max Uplift 3=-40(LC 12), 4=-2(LC 12)
Max Grav 7=182(LC 1), 3=119(LC 17), 4=80(LC 3)

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

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

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September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J3BR	Jack-Open	1	1	T18169196
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:03:59 2019 Page 1
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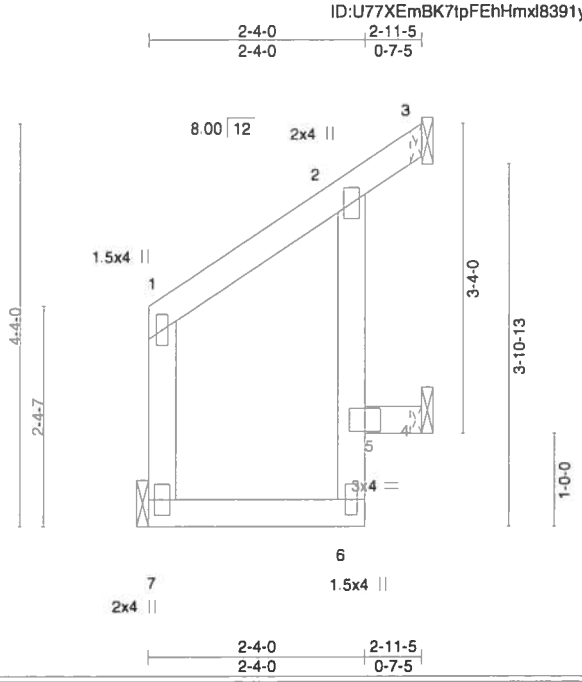

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 18 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=109/Mechanical, 3=52/Mechanical, 4=57/Mechanical
Max Horz 7=86(LC 12)
Max Uplift 3=-1(LC 12), 4=-65(LC 12)
Max Grav 7=109(LC 1), 3=52(LC 1), 4=87(LC 17)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J3H	Jack-Open	3	1	T18169197

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:01 2019 Page 1
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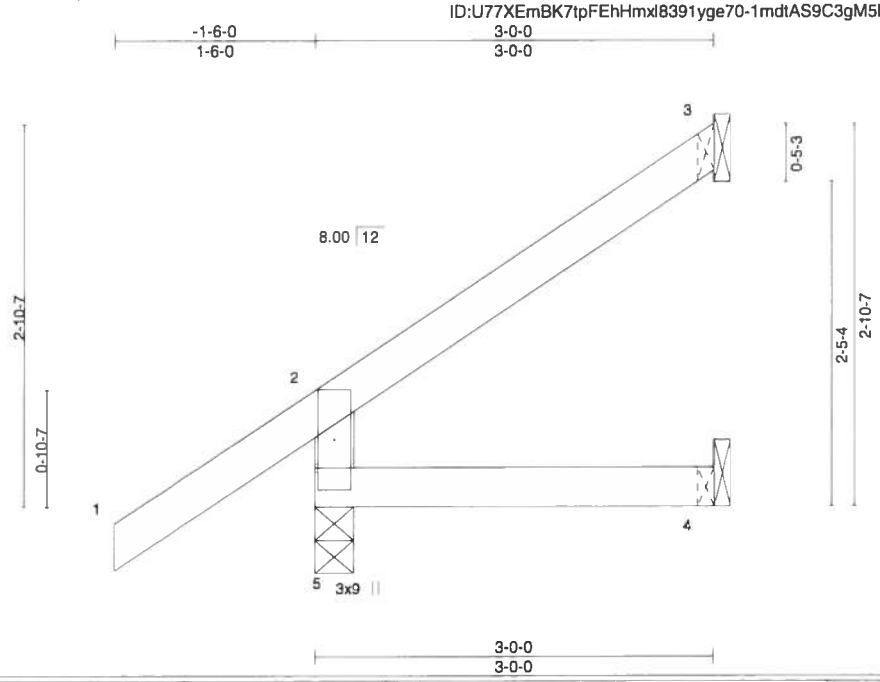

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 13 lb	FT = 0%

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

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

REACTIONS. (lb/size) 5=240/0-3-8, 3=60/Mechanical, 4=22/Mechanical
Max Horz 5=98(LC 12)
Max Uplift 5=-24(LC 12), 3=-25(LC 12)
Max Grav 5=240(LC 1), 3=65(LC 17), 4=50(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J3HR	Jack-Open	1	1	T18169198

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:02 2019 Page 1
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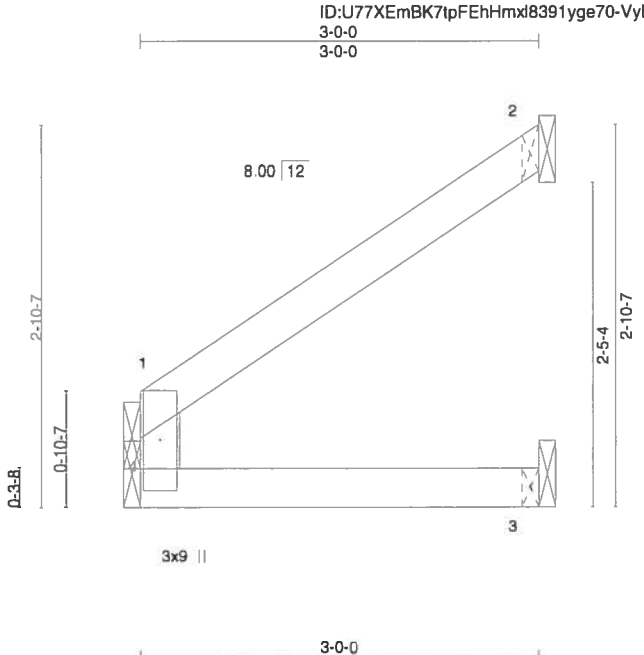

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	-0.00	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 11 lb	FT = 0%

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

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

REACTIONS. All bearings Mechanical.
(lb) - Max Horz 4=110(LC 1), 1=-131(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2
Max Grav All reactions 250 lb or less at joint(s) 4, 1, 2, 3

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2.
6) Non Standard bearing condition. Review required.
7) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 23,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J4	Jack-Open	18	1	T18169199
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:03 2019 Page 1
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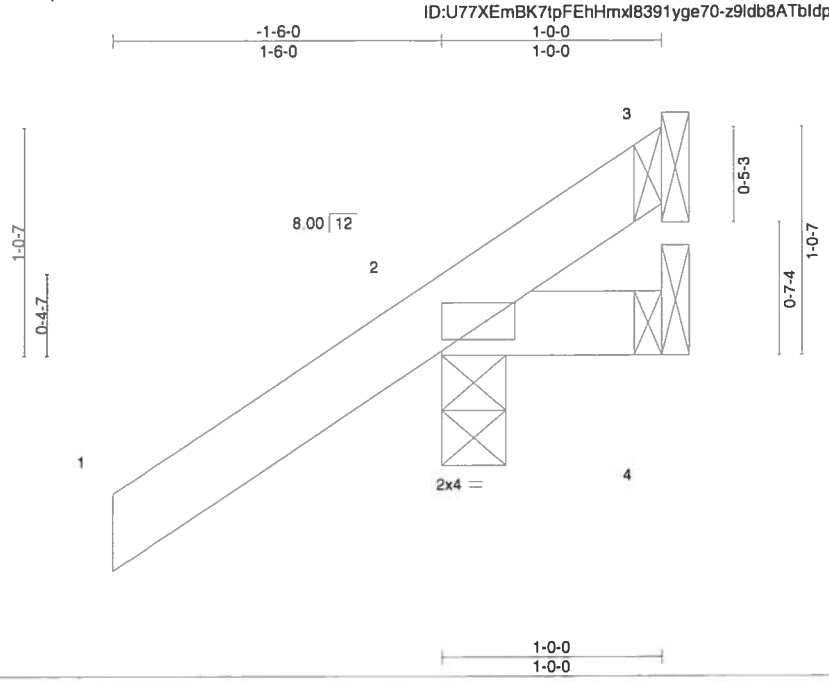

Plate Offsets (X,Y)-- [2:0-1-9,Edge]

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	0.15	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	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 FBC2017/TPI2014		Matrix-MP							Weight: 6 lb	FT = 0%

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. (lb/size) 3=-6/Mechanical, 2=198/0-3-8, 4=-23/Mechanical
Max Horz 2=52(LC 12)
Max Uplift 3=-6(LC 1), 2=-76(LC 12), 4=-23(LC 1)
Max Grav 3=12(LC 12), 2=198(LC 1), 4=27(LC 12)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J4BL	Jack-Open	1	1	T18169200
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:04 2019 Page 1
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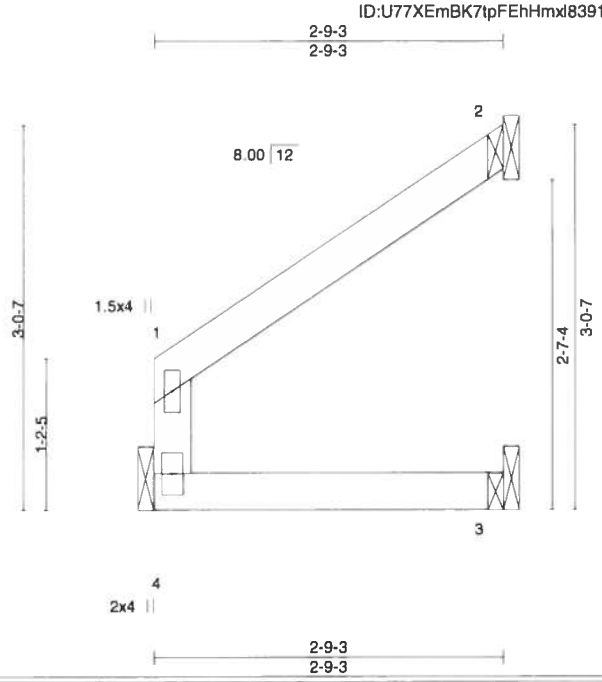

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 10 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=102/Mechanical, 2=72/Mechanical, 3=31/Mechanical
Max Horz 4=60(LC 12)
Max Uplift 2=-34(LC 12)
Max Grav 4=102(LC 1), 2=76(LC 17), 3=50(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J4H	Jack-Open	3	1	T18169201

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:05 2019 Page 1
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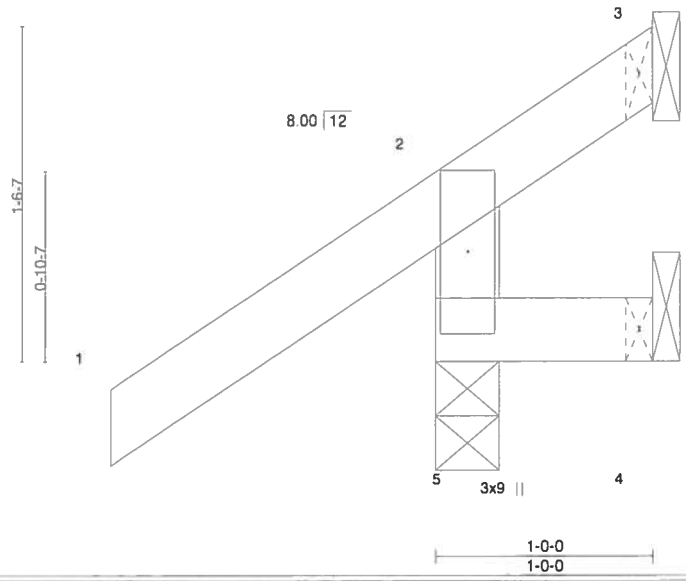

1-0-0
1-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 7 lb	FT = 0%

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

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

REACTIONS. (lb/size) 5=229/0-3-8, 3=-46/Mechanical, 4=-17/Mechanical
Max Horz 5=66(LC 12)
Max Uplift 5=-56(LC 12), 3=-46(LC 1), 4=-17(LC 1)
Max Grav 5=229(LC 1), 3=18(LC 12), 4=8(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J4HR	Jack-Open	1	1	T18169202

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:06 2019 Page 1
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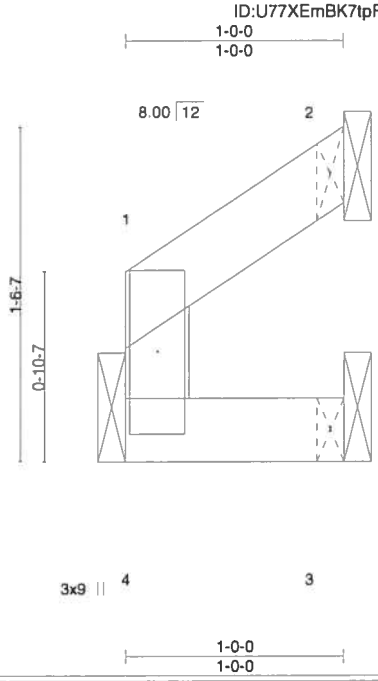

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.02	Vert(LL)	-0.00	4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00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

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

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

REACTIONS. (lb/size) 4=34/Mechanical, 2=24/Mechanical, 3=9/Mechanical
Max Horz 4=26(LC 12)
Max Uplift 2=-15(LC 12), 3=-4(LC 12)
Max Grav 4=34(LC 1), 2=28(LC 17), 3=16(LC 3)

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

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

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	J4R	Jack-Open	1	1	T18169203
					Job Reference (optional)

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:07 2019 Page 1
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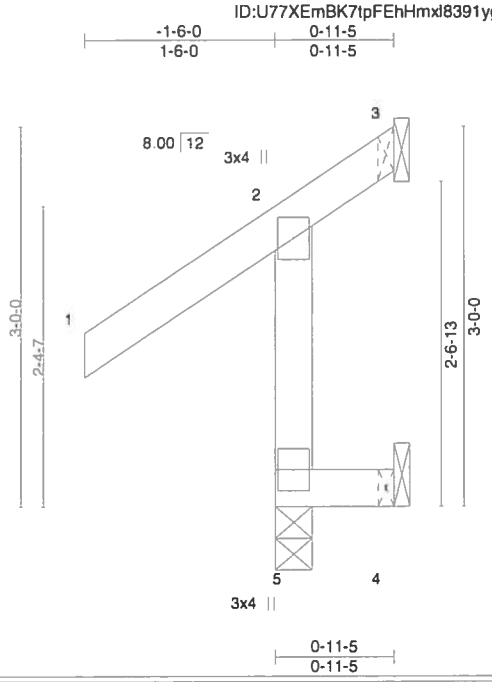

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 9 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 0-11-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=234/0-3-8, 3=-67/Mechanical, 4=-6/Mechanical
Max Horz 5=95(LC 12)
Max Uplift 5=-1(LC 8), 3=-67(LC 1), 4=-98(LC 12)
Max Grav 5=234(LC 1), 3=9(LC 10), 4=59(LC 10)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	M1	Jack-Partial	1	1	T18169204
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:07 2019 Page 1
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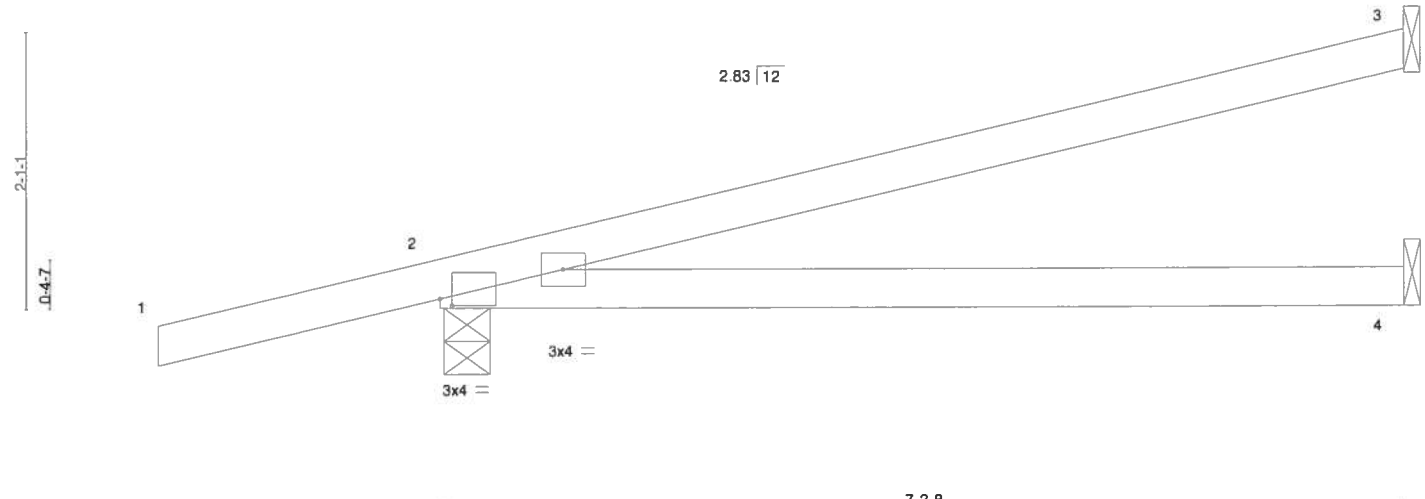

7-3-8 / 7-3-2

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.09	4-7	>928	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.23	4-7	>381	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 25 lb	FT = 0%

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. (lb/size) 3=187/Mechanical, 2=435/0-4-3, 4=83/Mechanical
Max Horz 2=59(LC 12)
Max Uplift 3=-28(LC 12), 2=-55(LC 12)
Max Grav 3=187(LC 1), 2=435(LC 1), 4=126(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	M2	Jack-Open	1	1	T18169205
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:08 2019 Page 1
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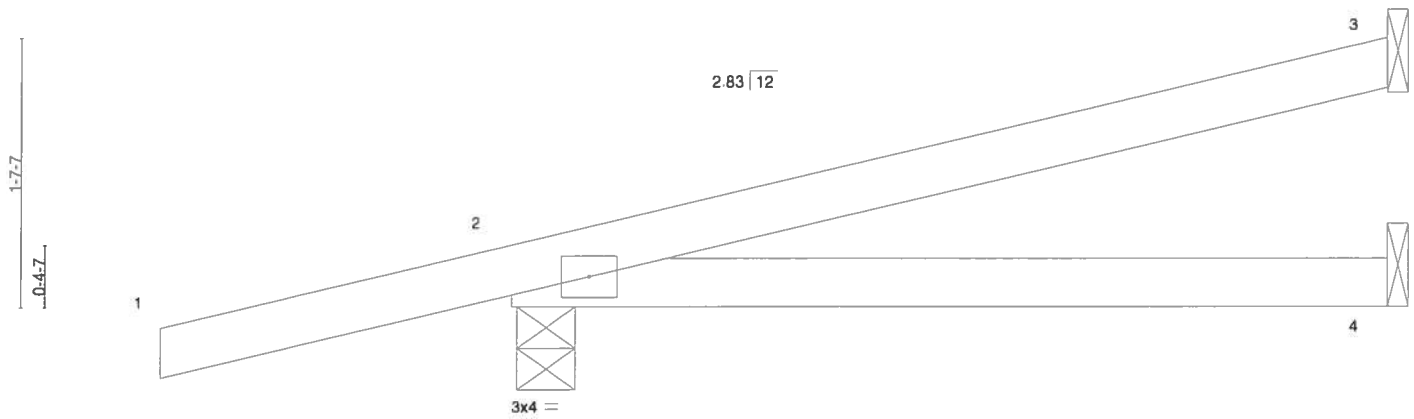

5-3-8
5-3-2

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	0.28	Vert(LL)	-0.02	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	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 19 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=126/Mechanical, 2=362/0-4-3, 4=57/Mechanical
Max Horz 2=48(LC 12)
Max Uplift 3=-17(LC 12), 2=-60(LC 12)
Max Grav 3=126(LC 1), 2=362(LC 1), 4=89(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	M3	Jack-Open	1	1	T18169206
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:09 2019 Page 1
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2-1-7 3-3-8

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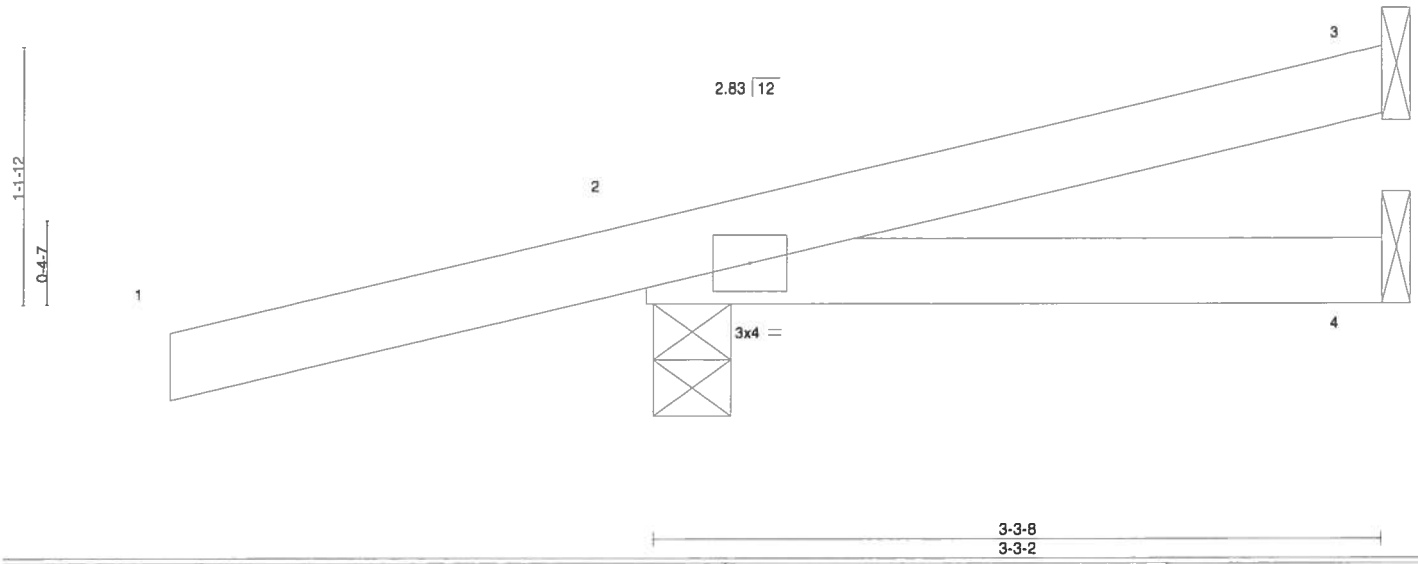

3-3-8
3-3-2

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	0.29	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=62/Mechanical, 2=298/0-4-3, 4=26/Mechanical
Max Horz 2=37(LC 12)
Max Uplift 3=-4(LC 12), 2=-68(LC 12)
Max Grav 3=62(LC 1), 2=298(LC 1), 4=50(LC 3)

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

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

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September 23,2019

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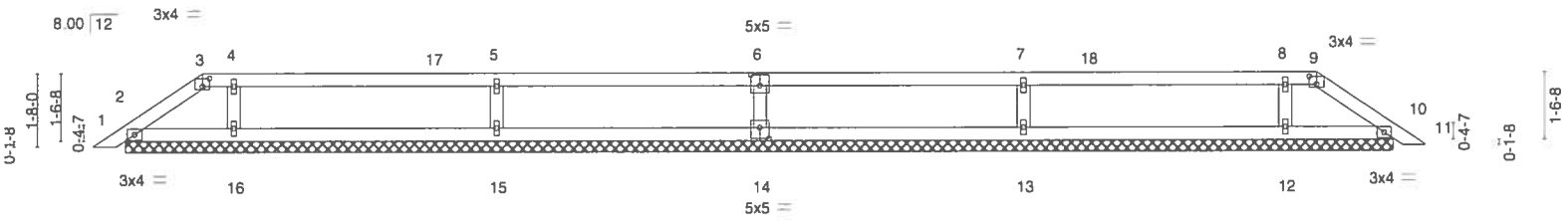
Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	PB01	Piggyback	1	1	T18169207
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:10 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-GVgH3XGsyRVpGmH2y3lpT9gGzjXYOk_ao1NiyPybhQp

2-6-0 | 27-11-5 | 30-5-5
2-6-0 | 25-5-5 | 2-6-0

Scale = 1:52.6



30-5-5
30-5-5

Plate Offsets (X,Y)-- [3:0-2-0,0-2-3], [6:0-2-8,0-3-0], [9:0-2-0,0-2-3], [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	0.39	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 97 lb	FT = 0%

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

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

REACTIONS. All bearings 28-11-7.
(lb) - Max Horz 2=-29(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 15, 16, 13, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 14=472(LC 1), 15=499(LC 22), 16=444(LC 21), 13=499(LC 21), 12=444(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-14=-354/163, 5-15=-374/171, 4-16=-345/151, 7-13=-374/171, 8-12=-345/152

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15, 16, 13, 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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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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6904 Parke East Blvd.
Tampa, FL 33610

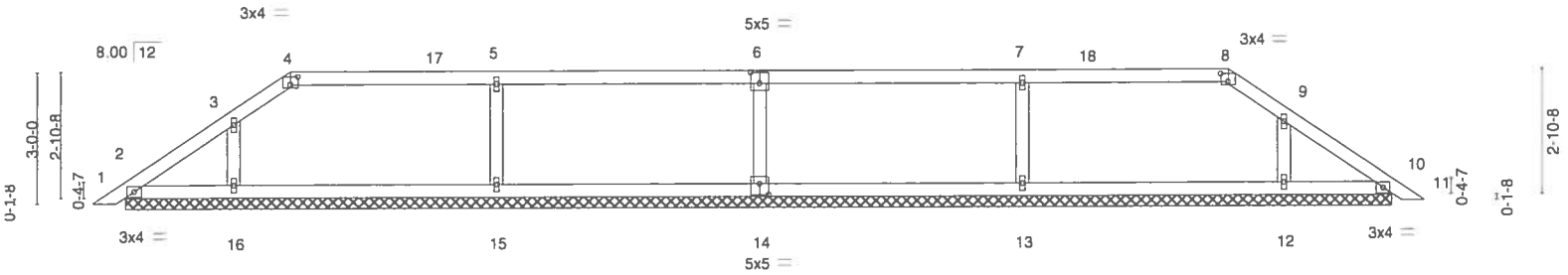
Job	Truss	Truss Type	Qty	Ply	Paulk	
PAULK	PB02	Piggyback	1	1	Job Reference (optional)	T18169208

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:11 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-khDfGtHUjldguwsFWmH2?NCSI7sb7B1k0h7FVsybhQo

4-6-0 | 25-11-5 | 30-5-5
4-6-0 | 21-5-5 | 4-6-0

Scale = 1:52.6



30-5-5
30-5-5

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	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 106 lb	FT = 0%

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

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

REACTIONS. All bearings 28-11-7.
(lb) - Max Horz 2=-54(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 14=482(LC 21), 15=477(LC 21), 16=267(LC 17), 13=477(LC 22), 12=266(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-14=-364/168, 5-15=-353/160, 7-13=-353/160

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 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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September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk	T18169209
PAULK	PB03	Piggyback	1	1	Job Reference (optional)	

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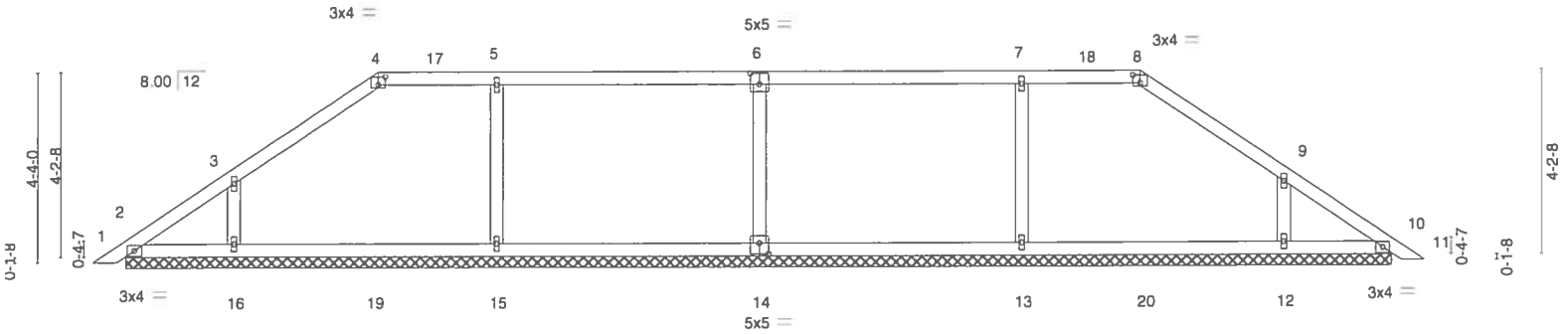
ID:U77XEmBK7tpFEhHmxl8391yge70-g4LPhZlkFMtO7E0deBJW4oHoJxWDb4j0U?cMZkybhQm

6-6-0 | 23-11-5 | 30-5-5
6-6-0 | 17-5-5 | 6-6-0

Scale = 1:52.6



30-5-5
30-5-5

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	0.39	Vert(CT)	0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 113 lb	FT = 0%

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

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

REACTIONS. All bearings 28-11-7.
(lb) - Max Horz 2=-79(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 16, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 14=626(LC 18), 15=550(LC 23), 16=346(LC 17), 13=550(LC 24), 12=345(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-263/105, 8-9=-263/105
WEBS 6-14=-381/177, 5-15=-319/133, 7-13=-319/133

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 16, 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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September 23,2019

Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	PB04	Piggyback	1	1	T18169210
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:14 2019 Page 1
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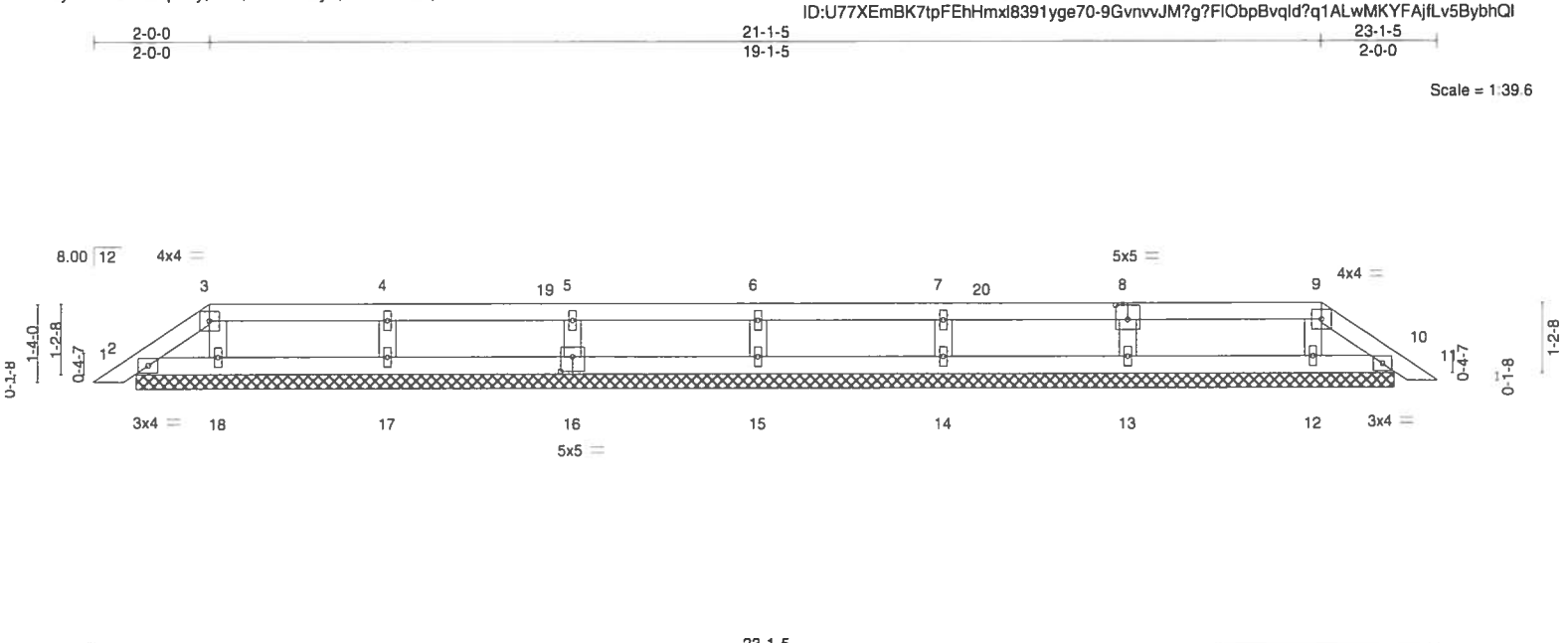

Plate Offsets (X,Y)-- [8:0-2-8,0-3-0], [16:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 74 lb	FT = 0%

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

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

REACTIONS. All bearings 21-7-7.
(lb) - Max Horz 2=-22(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 17, 13, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 18, 14, 12, 10 except 17=265(LC 22), 16=252(LC 1), 15=257(LC 22), 13=279(LC 21)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 13, 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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September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	PB05	Piggyback	1	1	T18169211

Job Reference (optional)

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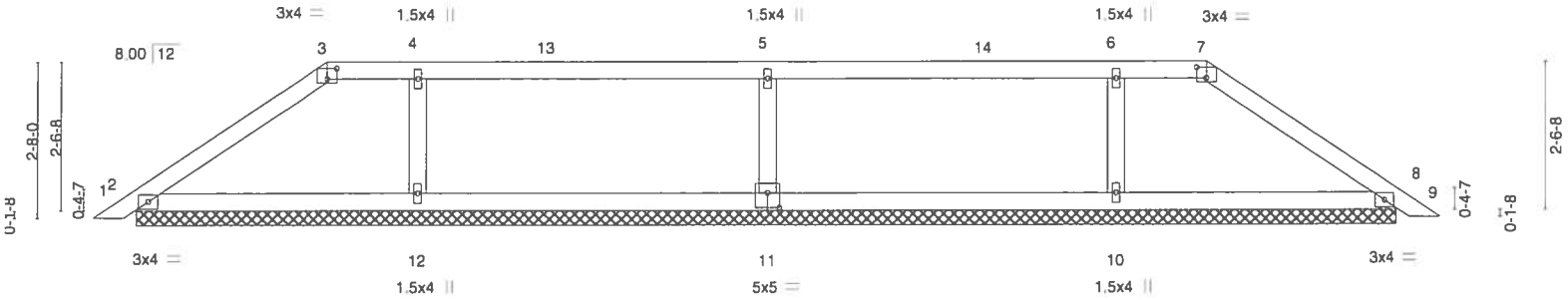
ID:U77XEmBK7tpFEhHmxl8391yge70-dSTA6FK?m_76MX90lcL_ADN8pkEk3?4Jxl5TedybhQk

4-0-0 | 19-1-5 | 23-1-5
4-0-0 | 15-1-5 | 4-0-0

Scale = 1:39.6



23-1-5
23-1-5

Plate Offsets (X,Y)-- [3:0-2-0,0-2-3], [7:0-2-0,0-2-3], [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)	0.01	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	0.01	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 FBC2017/TPI2014		Matrix-S							Weight: 78 lb	FT = 0%

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

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

REACTIONS. All bearings 21-7-7.
(lb) - Max Horz 2=46(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 11, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 11=500(LC 22), 12=451(LC 21), 10=451(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-11=-380/175, 4-12=-325/132, 6-10=-325/133

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

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Date:
September 23,2019

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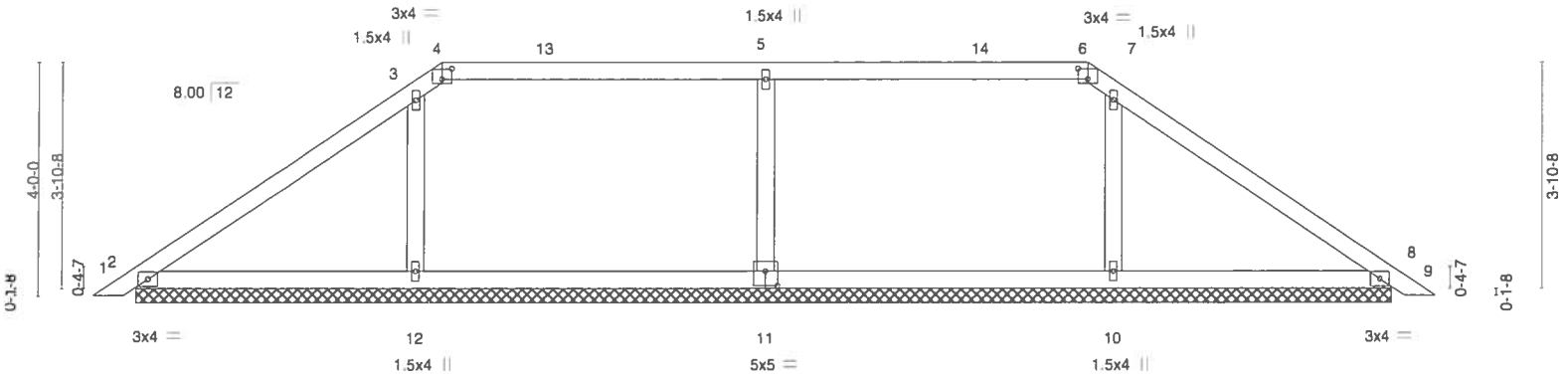
Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	PB06	Piggyback	1	1	T18169212
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:16 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-5f1YKbKdXHFz_hkCJKsDiQvlU8a8oRhTAyq0A3ybhQj

6-0-0 | 17-1-5 | 23-1-5
6-0-0 | 11-1-5 | 6-0-0

Scale = 1:39.6



23-1-5
23-1-5

Plate Offsets (X,Y)-- [4:0-2-0,0-2-3], [6:0-2-0,0-2-3], [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	0.39	Vert(LL)	0.01	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	0.01	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 84 lb	FT = 0%

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

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

REACTIONS. All bearings 21-7-7.
(lb) - Max Horz 2=71(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 11=504(LC 21), 12=454(LC 1), 10=454(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-11=-385/168, 3-12=-323/171, 7-10=-323/171

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

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Date:
September 23,2019

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

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	PB07	Piggyback	1	1	T18169213
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:17 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-ZrbwXwLFlbOqcrJOt1NSFeSWOYtcXuacPcaZiVybhQi

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8-0-0 7-1-5 8-0-0

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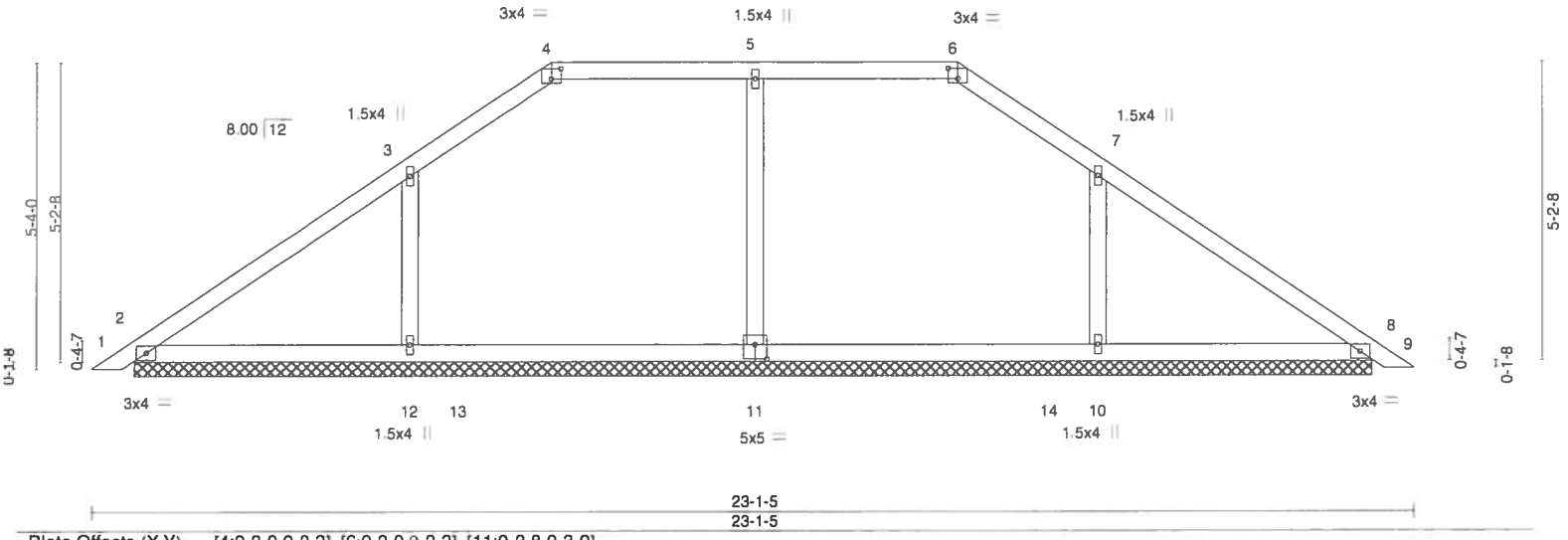

23-1-5
23-1-5

Plate Offsets (X,Y)-- [4:0-2-0,0-2-3], [6:0-2-0,0-2-3], [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	0.25	Vert(LL)	0.00	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	0.01	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 87 lb	FT = 0%

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

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

REACTIONS. All bearings 21-7-7.
(lb) - Max Horz 2=96(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 12, 10
Max Grav All reactions 250 lb or less at joint(s) except 2=288(LC 1), 11=543(LC 17), 12=485(LC 17), 10=483(LC 18), 8=288(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-258/24, 3-4=-254/103, 6-7=-254/103, 7-8=-258/24
WEBS 5-11=-268/114, 3-12=-298/181, 7-10=-298/181

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

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September 23,2019

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Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	PB08	Piggyback	1	1	T18169214
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:19 2019 Page 1
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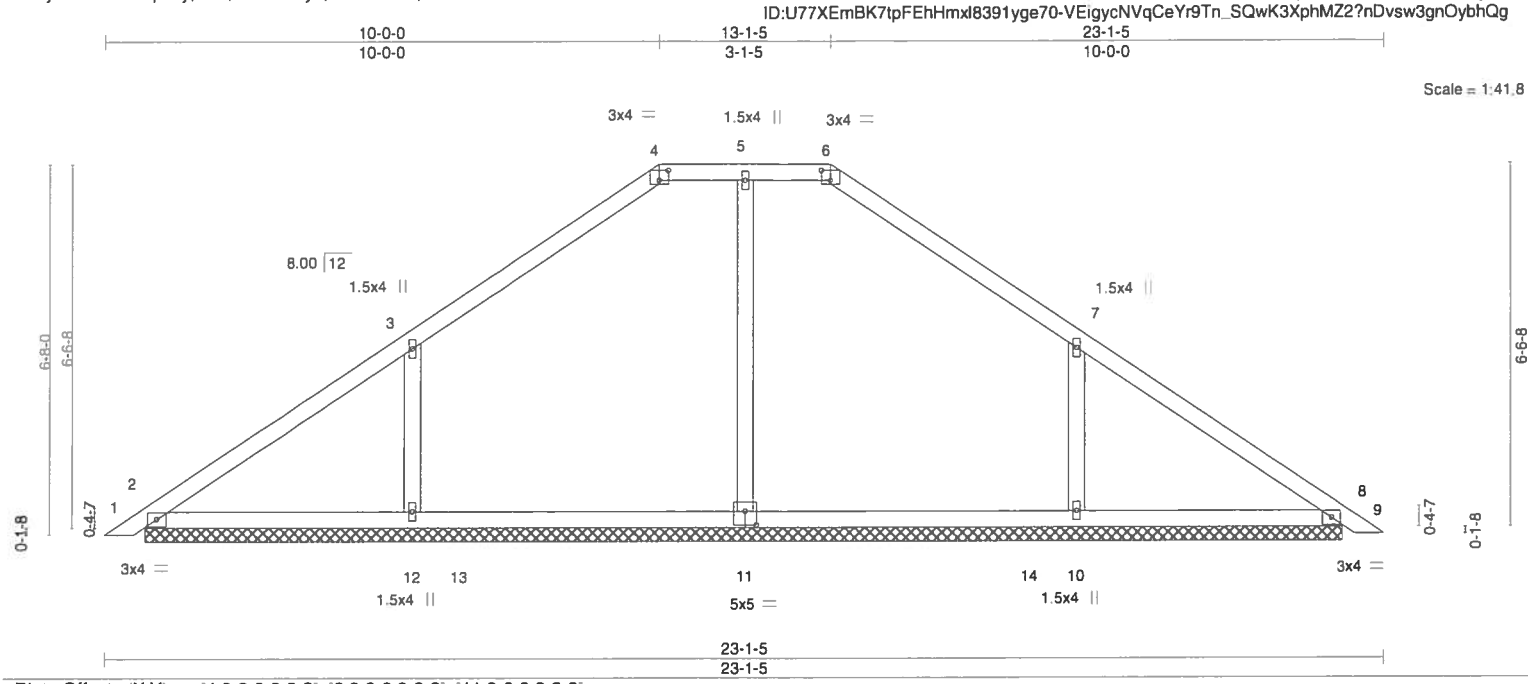

Plate Offsets (X,Y)-- [4:0-2-0,0-2-3], [6:0-2-0,0-2-3], [11:0-2-8,0-3-0]

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	0.33	Vert(LL)	0.00	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	0.01	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 90 lb	FT = 0%

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

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

REACTIONS. All bearings 21-7-7.
(lb) - Max Horz 2=-120(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 12, 10
Max Grav All reactions 250 lb or less at joint(s) except 2=300(LC 1), 11=451(LC 17), 12=537(LC 17), 10=536(LC 18), 8=300(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-289/26, 3-4=-308/161, 6-7=-308/161, 7-8=-285/17
WEBS 3-12=-350/217, 7-10=-350/217

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

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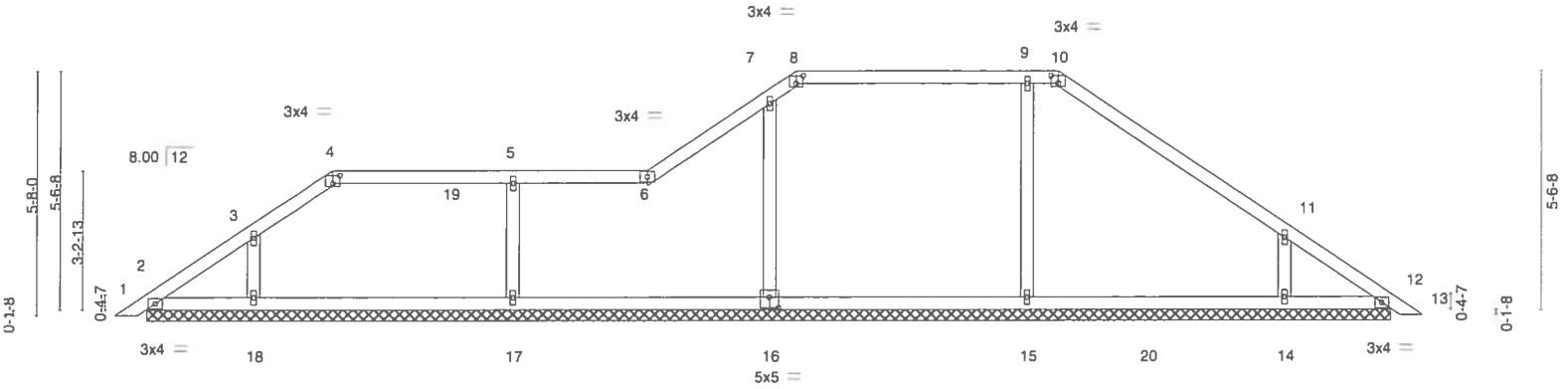
Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	PB09	Piggyback	1	1	T18169215
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:20 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-zQG39yO7bWmPTJ2zY9x9tG4z1lwCkDH25aoEJqybhQf

5-0-8	12-4-8	15-10-0	21-11-5	30-5-5
5-0-8	7-4-0	3-5-8	6-1-5	8-6-0

Scale = 1:53.5



30-5-5
30-5-5

Plate Offsets (X,Y)-- [4:0-2-0,0-2-3], [8:0-2-0,0-2-3], [10:0-2-0,0-2-3], [16:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 116 lb	FT = 0%

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

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

REACTIONS. All bearings 28-11-7.
(lb) - Max Horz 2=-104(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 17, 18, 14, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 12 except 16=532(LC 17), 17=506(LC 1), 18=406(LC 21), 15=640(LC 18), 14=421(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 7-16=-366/145, 5-17=-381/189, 3-18=-312/197, 9-15=-372/153, 11-14=-343/214

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 18, 14, 12.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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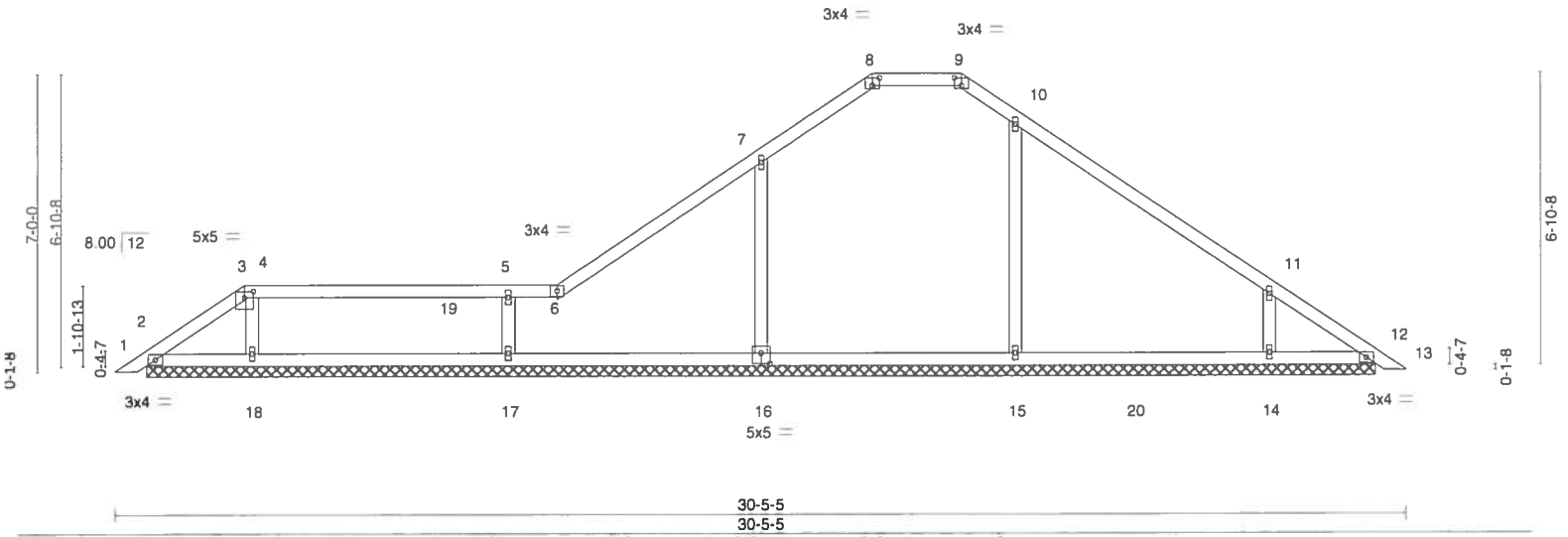
Job	Truss	Truss Type	Qty	Ply	Paulk
PAULK	PB10	Piggyback	1	1	T18169216

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:21 2019 Page 1
ID:U77XEmBK7tpFEhHmxl8391yge70-RcqRNlOlMquF4SdA6tSOPUd8Q9FOTgUCKEYnrHybhQe

3-0-8	10-4-8	17-10-0	19-11-5	30-5-5
3-0-8	7-4-0	7-5-8	2-1-5	10-6-0

Scale = 1:54.2



30-5-5
30-5-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.00	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 116 lb	FT = 0%

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

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

REACTIONS. All bearings 28-11-7.
(lb) - Max Horz 2=-129(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 16, 18, 15, 14, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 12 except 16=545(LC 17), 17=557(LC 21), 18=341(LC 1), 15=623(LC 18), 14=426(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 7-16=-333/186, 5-17=-432/123, 4-18=-262/240, 10-15=-324/181, 11-14=-348/229

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 18, 15, 14, 12.
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	Paulk	T18169217
PAULK	PB11	Piggyback	1	1	Job Reference (optional)	

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ID:U77XEmBK7tpFEhHmxl8391yge70-woOpaePO7706icCMfazdyh9JiZZ1C6iLYuHKNjybhQd

1-2-8 | 8-6-8 | 18-10-11 | 30-5-5
1-2-8 | 7-4-0 | 10-4-3 | 11-6-11

Scale = 1:53.0

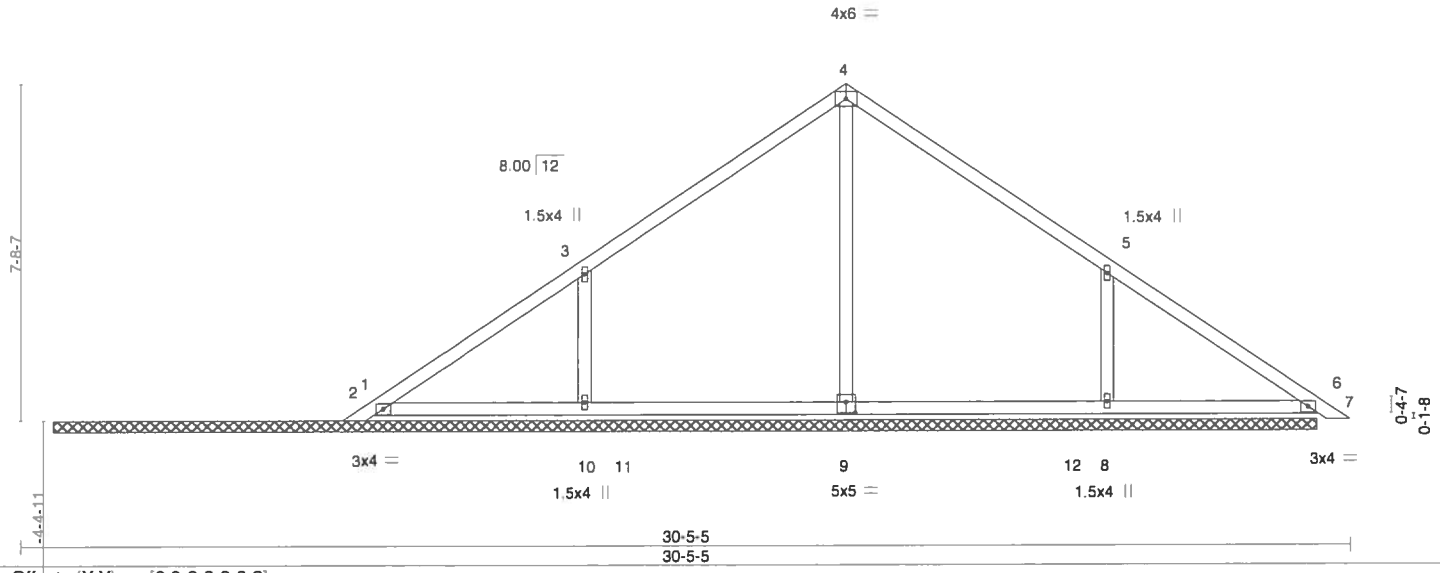

Plate Offsets (X,Y)-- [9:0-2-8,0-3-0]

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	0.40	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	0.01	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 93 lb	FT = 0%

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

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

REACTIONS. All bearings 28-11-7.
(lb) - Max Horz 1=-143(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 10 except 1=-219(LC 17)
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 2=410(LC 1), 9=567(LC 17), 8=576(LC 18), 10=557(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-9=-270/0, 5-8=-399/250, 3-10=-383/244

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 1, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 10 except (jt=lb) 1=219.
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	Paulk
PAULK	PB12	Piggyback	9	1	T18169218
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Fri Sep 20 16:04:23 2019 Page 1
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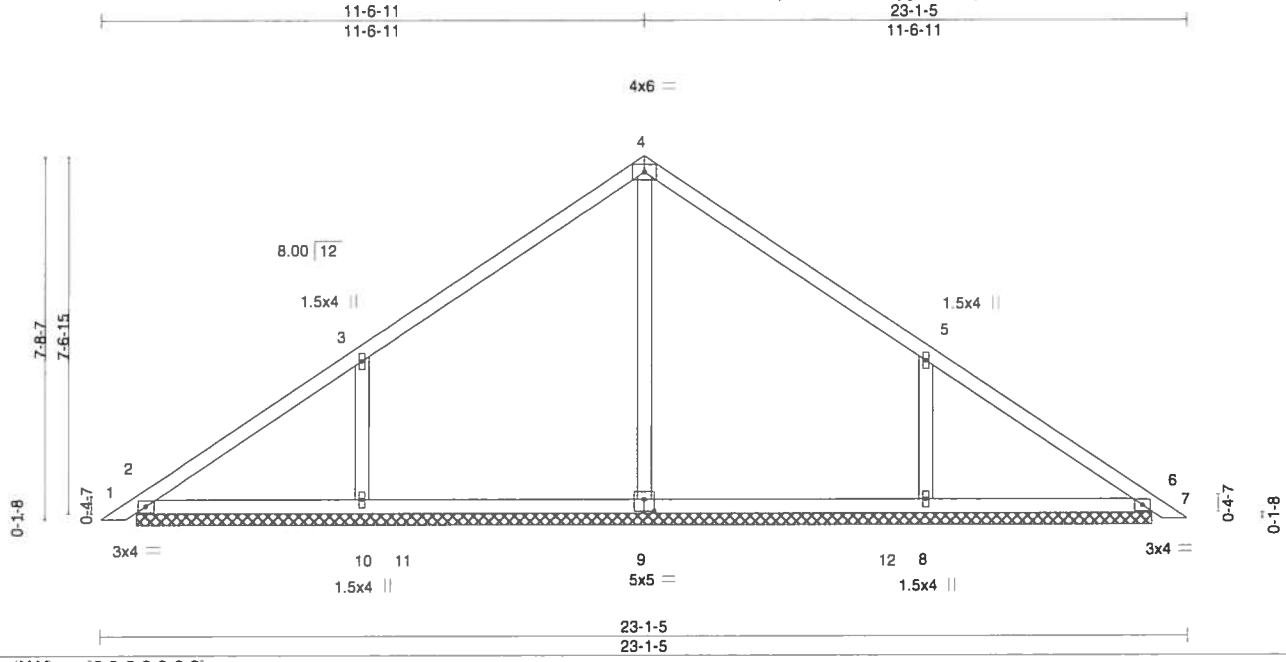

Plate Offsets (X,Y)-- [9:0-2-8,0-3-0]

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	0.40	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	0.01	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 93 lb	FT = 0%

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

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

REACTIONS. All bearings 21-7-7.
(lb) - Max Horz 2=-139(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=563(LC 17), 10=575(LC 17), 8=574(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-9=-267/0, 3-10=-400/251, 5-8=-400/251

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

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September 23,2019

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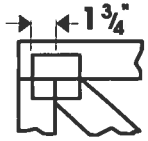
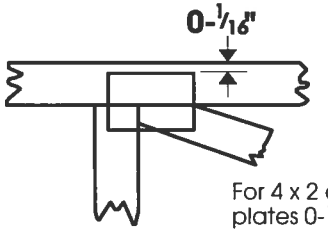
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

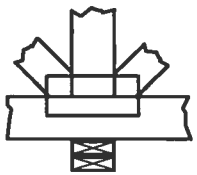
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

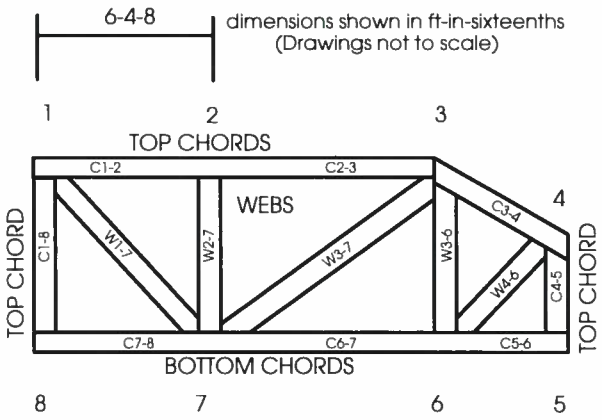


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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