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

RE: Aasheim - Aasheim

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

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

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: N/A Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 37 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	T22689955	CJ01	2/2/21	23	T22689977	J15	2/2/21
2	T22689956	CJ02	2/2/21	24	T22689978	J16	2/2/21
3	T22689957	CJ03	2/2/21	25	T22689979	T01	2/2/21
4	T22689958	H01	2/2/21	26	T22689980	T02	2/2/21
5	T22689959	H02	2/2/21	27	T22689981	T03	2/2/21
6	T22689960	H03	2/2/21	28	T22689982	T04	2/2/21
7	T22689961	H04	2/2/21	29	T22689983	T05	2/2/21
8	T22689962	H05	2/2/21	30	T22689984	T06	2/2/21
9	T22689963	J01	2/2/21	31	T22689985	T07	2/2/21
10	T22689964	J02	2/2/21	32	T22689986	T08	2/2/21
11	T22689965	J03	2/2/21	33	T22689987	T09	2/2/21
12	T22689966	J04	2/2/21	34	T22689988	T10	2/2/21
13	T22689967	J05	2/2/21	35	T22689989	T11	2/2/21
14	T22689968	J06	2/2/21	36	T22689990	T12	2/2/21
15	T22689969	J07	2/2/21	37	T22689991	T13	2/2/21
16	T22689970	J08	2/2/21				
17	T22689971	J09	2/2/21				
18	T22689972	J10	2/2/21				
19	T22689973	J11	2/2/21				
20	T22689974	J12	2/2/21				
21	T22689975	J13	2/2/21				
22	T22689976	J14	2/2/21				

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

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

Julius Lee PE No.34869
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6904 Parke East Blvd. Tampa FL 33610
Date: February 2,2021

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

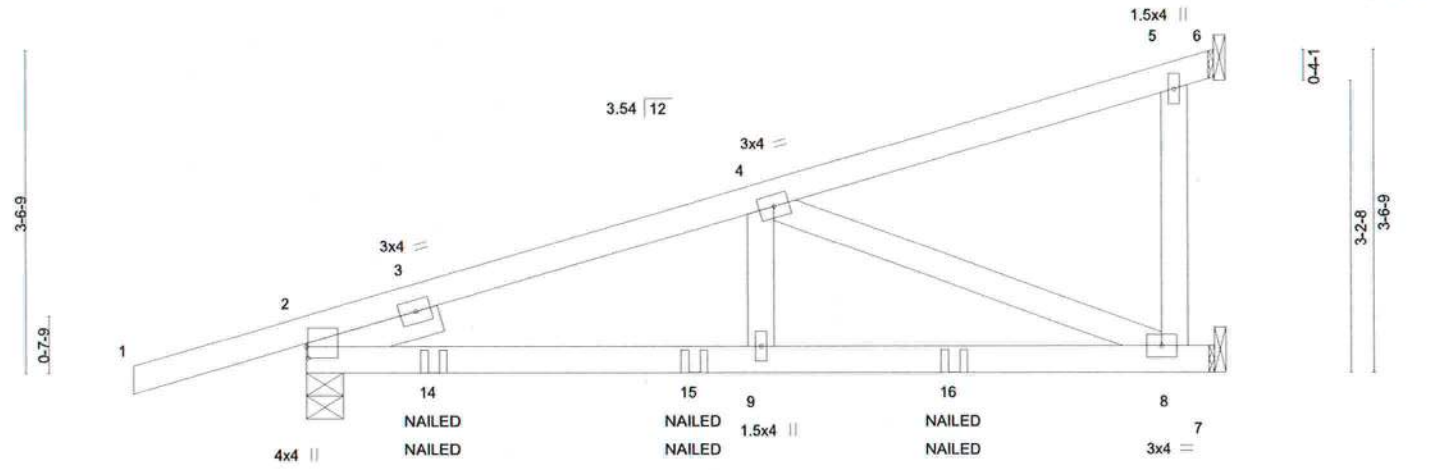
Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	CJ01	Diagonal Hip Girder	2	1	T22689955
					Job Reference (optional)

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:30 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-_XC6JXg4k3le9h6Dtv5SmmkGagQ_RkedmmbvAVzpEIZ

-1-10-10 / 1-10-10 | 4-11-6 / 4-11-6 | 9-10-13 / 4-11-6

Scale = 1:25.3



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

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.10	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.17	8-9	>699	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 49 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-1-6 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-4-15, 7=Mechanical
Max Horz 2=133(LC 8)
Max Uplift 6=-107(LC 7), 2=-260(LC 8), 7=-138(LC 24)
Max Grav 6=363(LC 1), 2=568(LC 1), 7=256(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-965/315
BOT CHORD 2-9=-367/892, 8-9=-367/892
WEBS 4-9=-123/335, 5-8=-170/305, 4-8=-959/395

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=107, 2=260, 7=138.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-60, 7-10=-20
Concentrated Loads (lb)
Vert: 14=75(F=37, B=37) 15=-81(F=-40, B=-40) 16=-243(F=-121, B=-121)

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Date:

February 2,2021

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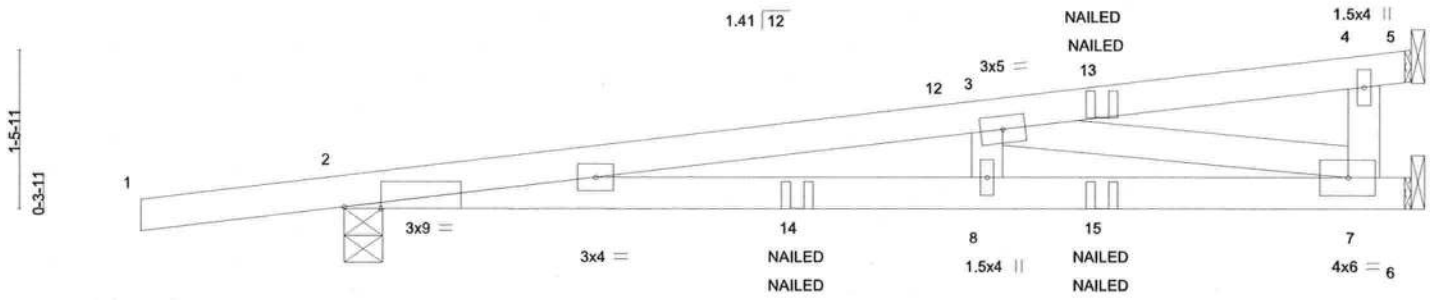
Job	Truss	Truss Type	Qty	Ply	Aasheim T22689956
AASHEIM	CJ02	Diagonal Hip Girder	2	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:31 2021 Page 1
ID:mDEucwIxTWTACL24ilcvVmyCQ2b-SjmUWtgiVNQVmrhQQdchJ_HS94pZAAkm?QLSixzpEIY

-1-10-10 / 1-10-10 | 5-11-11 / 5-11-11 | 9-10-13 / 3-11-1

Scale = 1:21.5



5-11-11 / 5-11-11 | 9-10-13 / 3-11-1

Plate Offsets (X,Y)-- [2:0-4-1,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	0.47	Vert(LL)	-0.13	8-11	>930	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.22	8-11	>536	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 39 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-11-7 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-4-4, 6=Mechanical
Max Horz 2=55(LC 4)
Max Uplift 2=-198(LC 4), 6=-110(LC 5)
Max Grav 5=207(LC 1), 2=613(LC 1), 6=321(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2015/389
BOT CHORD 2-8=-412/1998, 7-8=-412/1998
WEBS 3-8=-1/279, 3-7=-2040/421

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=198, 6=110.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 6-9=-20
Concentrated Loads (lb)
Vert: 13=-71(F=-35, B=-35) 14=-93(F=-47, B=-47) 15=-76(F=-38, B=-38)

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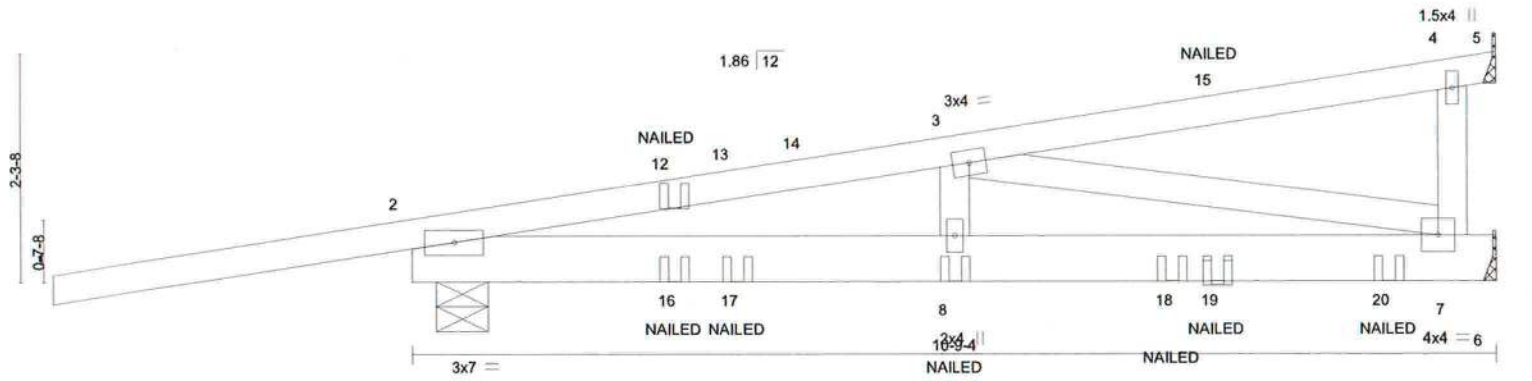
Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	CJ03	Diagonal Hip Girder	1	1	T22689957
					Job Reference (optional)

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:33 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-O6uExZiy0_gD08roY2e9OPMkQtVCe2M3SkqZnqzpEIW

-3-7-1 / 3-7-1 | 5-4-10 / 5-4-10 | 10-9-4 / 5-4-10

Scale = 1:23.0



0-2-13 / 0-2-13 | 5-4-10 / 5-1-13 | 10-9-4 / 5-4-10

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	0.74	Vert(LL)	-0.08	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.14	7-8	>925	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 57 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 5=Mechanical, 6=Mechanical, 2=0-6-3
Max Horz 2=91(LC 4)
Max Uplift 5=-190(LC 13), 6=-177(LC 5), 2=-314(LC 4)
Max Grav 5=73(LC 21), 6=655(LC 1), 2=754(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1336/403
BOT CHORD 2-8=-438/1296, 7-8=-438/1296
WEBS 4-7=-339/105, 3-7=-1327/449

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=190, 6=177, 2=314.
7) "NAILED" indicates 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 6-9=-20
Concentrated Loads (lb)
Vert: 8=-14(B) 15=-44(F) 16=-18(F) 17=26(B) 18=-35(B) 19=-171(F) 20=-73(B)

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February 2,2021

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	H01	Hip Girder	1	2	T22689958

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:36 2021 Page 1

ID:mDEucwlxTWTACL24ilcvVmyCQ2b-phZNZakrJv2ntcZNDACs01_Gh5V4rWnV9i2DN9zpEIT

-1-4-0	7-0-0	12-4-9	15-0-0	17-7-7	23-0-0	30-0-0	31-4-0
1-4-0	7-0-0	5-4-9	2-7-7	2-7-7	5-4-9	7-0-0	1-4-0

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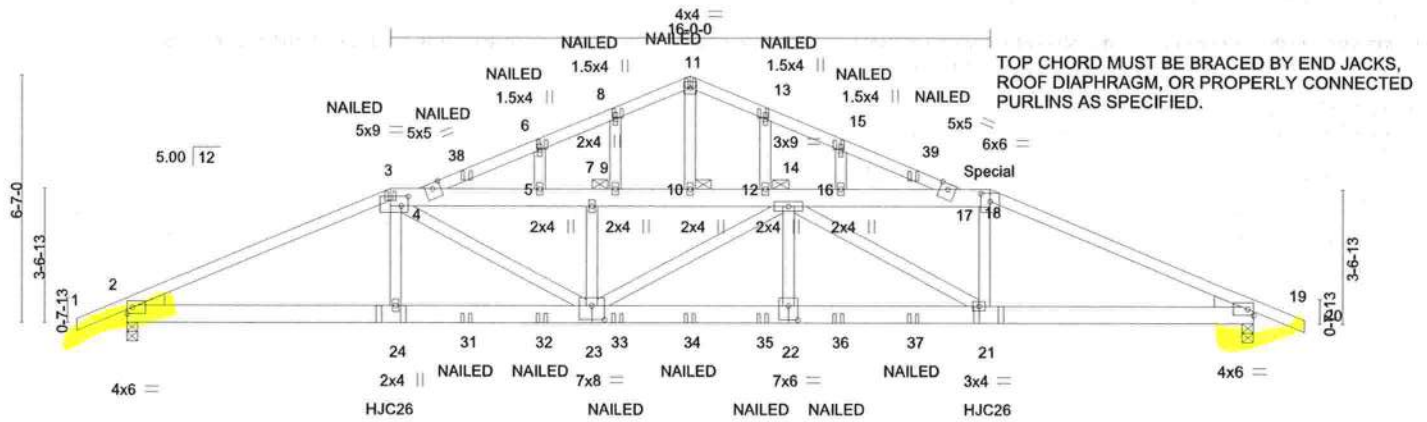

7-0-0	12-4-9	17-7-7	23-0-0	30-0-0
7-0-0	5-4-9	5-2-13	5-4-9	7-0-0

Plate Offsets (X,Y)-- [3:0-2-4,0-3-0], [18:0-3-0,0-2-9], [22:0-3-0,0-4-8], [23:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.16	22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.31	22-23	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.15	Horz(CT)	0.08	19	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 428 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 3-18: 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 7, 14, 10

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.

REACTIONS. (size) 2=0-3-8, 19=0-3-8
Max Horz 2=147(LC 7)
Max Uplift 2=-681(LC 8), 19=-654(LC 8)
Max Grav 2=2634(LC 1), 19=2607(LC 1)

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

TOP CHORD 2-3=-5437/1382, 3-4=-5818/1452, 4-5=-4668/1261, 5-7=-4668/1261, 7-9=-4668/1261, 9-10=-4668/1261, 10-12=-4668/1261, 12-14=-4668/1261, 14-16=-3676/1036, 16-17=-3676/1036, 17-18=-4829/1228, 18-19=-5377/1320, 4-6=-1414/279, 6-8=-1338/316, 8-11=-1347/357, 11-13=-1346/357, 13-15=-1339/316, 15-17=-1415/279
BOT CHORD 2-24=-1172/4932, 23-24=-1177/4957, 22-23=-1324/5860, 21-22=-1324/5860, 19-21=-1115/4876
WEBS 3-24=-107/557, 3-23=-194/1139, 14-22=0/480, 14-21=-1103/239, 18-21=-94/772, 10-11=-149/704, 8-9=-257/136, 12-13=-255/136, 15-16=-254/157

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=681, 19=654.

Continued on page 2

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Date: February 2,2021

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Tampa, FL 36610

NOTES-

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 15-11-4 oc max. starting at 7-0-6 from the left end to 22-11-10 to connect truss(es) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 500 lb down and 270 lb up at 23-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

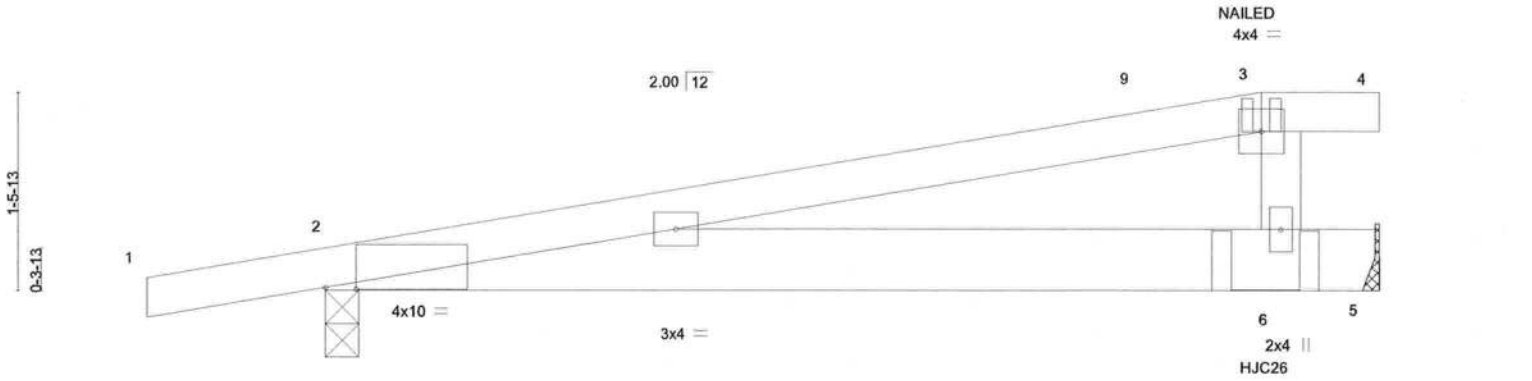
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-4=-60, 17-18=-60, 18-20=-60, 25-28=-20, 4-11=-60, 11-17=-60
   Concentrated Loads (lb)
   Vert: 3=-126(B) 18=-404(B) 24=-606(B) 21=-271(B) 11=-126(B) 8=-126(B) 13=-126(B) 6=-126(B) 15=-126(B) 31=-56(B) 32=-56(B) 33=-56(B) 34=-56(B) 35=-56(B) 36=-56(B) 37=-56(B) 38=-126(B) 39=-126(B)

Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	H02	Half Hip Girder	1	1	T22689959
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:37 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-Ht7lnwlT4DAeUm8Zntj5YFXStVsPa?rfNMomwbzpEIS

-1-4-0 | 7-0-0 | 7-10-8
1-4-0 | 7-0-0 | 0-10-8

Scale = 1:17.3



4-7-4 | 7-0-0 | 7-10-8
4-7-4 | 2-4-12 | 0-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.11	6-8	>819	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.22	6-8	>413	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 33 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-10 oc bracing.

REACTIONS. (size) 2=0-3-0, 5=Mechanical
Max Horz 2=58(LC 4)
Max Uplift 2=-133(LC 4), 5=-138(LC 5)
Max Grav 2=465(LC 1), 5=923(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-335/139

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) 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) 2=133, 5=138.
9) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 7-0-6 from the left end to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 3=-125(B) 6=-556(B)

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	H03	Half Hip Girder	1	1	T22689960

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:38 2021 Page 1
ID:mDEucwIxTWTACL24ilcvVmyCQ2b-I3h7_Gm5rXIV6wjmLbEK5S3aquHGJLOoc0XKS1zpEIR

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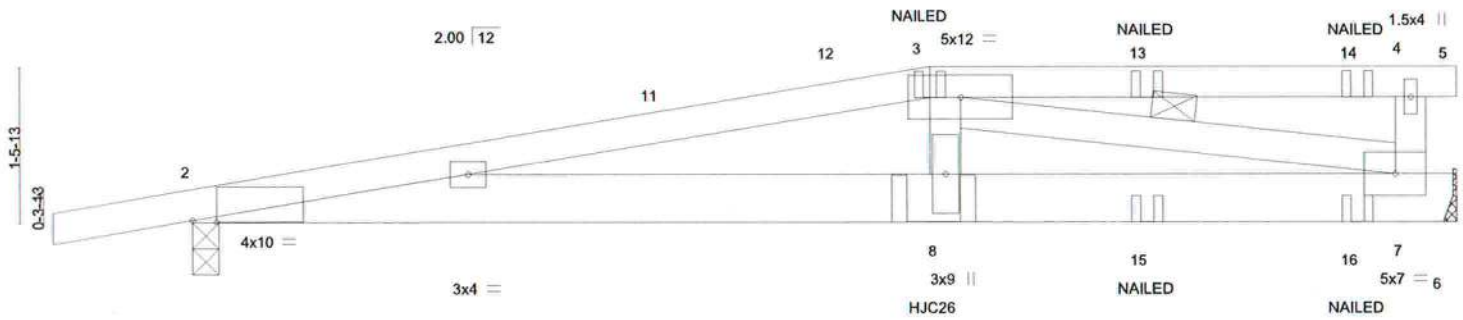
1-4-0 | 7-0-0 | 5-0-0

Scale = 1:22.0



7-0-0 | 12-0-0
7-0-0 | 5-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.14	8-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.26	8-10	>541	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 56 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-7

REACTIONS. (size) 2=0-3-0, 6=Mechanical
Max Horz 2=58(LC 4)
Max Uplift 2=-190(LC 4), 6=-161(LC 5)
Max Grav 2=896(LC 1), 6=1185(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3280/433
BOT CHORD 2-8=-438/3221, 7-8=-435/3333
WEBS 3-8=0/853, 4-7=-314/124, 3-7=-3429/448

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) 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) 2=190, 6=161.
9) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 7-0-6 from the left end to connect truss(es) to front face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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Continued on page 2

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 8=-541(F) 3=-120(F) 13=-120(F) 14=-122(F) 15=-70(F) 16=-71(F)

Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	H04	Half Hip	1	1	T22689961
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:39 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-DGFWBcmjcqQMk3lyuIlZegck1IXv2smxrgHt_UzpEIQ

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

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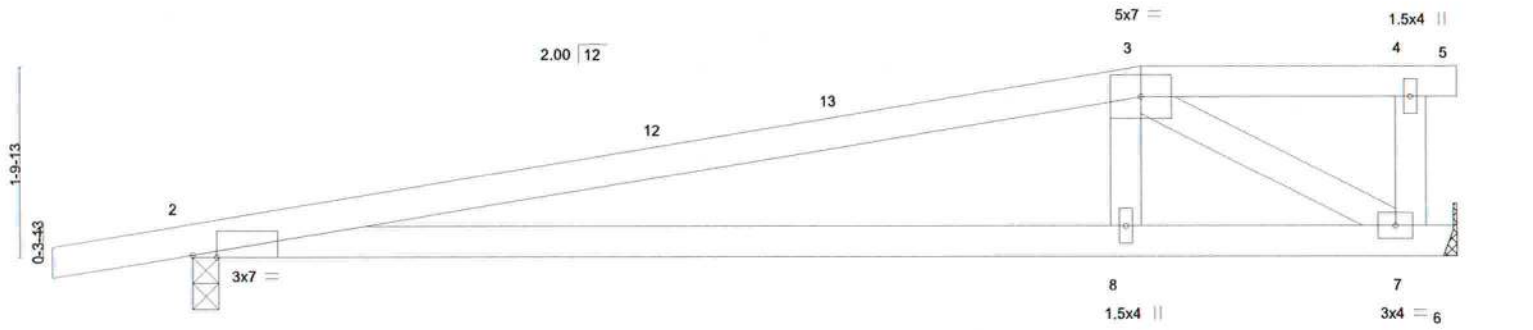

5-3-12	9-0-0	12-0-0
5-3-12	3-8-4	3-0-0

Plate Offsets (X,Y)-- [2:0-2-12,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	0.80	Vert(LL)	-0.17	8-11	>838	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.37	8-11	>388	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 46 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-0, 6=Mechanical
Max Horz 2=68(LC 8)
Max Uplift 2=-141(LC 8), 6=-95(LC 9)
Max Grav 2=562(LC 1), 6=477(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1040/151
BOT CHORD 2-8=-166/1004, 7-8=-169/973
WEBS 3-8=0/385, 3-7=-1133/197

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=141.
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	Aasheim
AASHEIM	H05	Half Hip	1	1	T22689962
					Job Reference (optional)

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ID:mDEucwIxTWTACL24ilcvVmyCQ2b-DGFWBcmjcqQMk3IyuIlZegcrjIcU2pzxrgHt_UzpEIQ

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1-4-0	6-3-12	4-8-4	1-0-0

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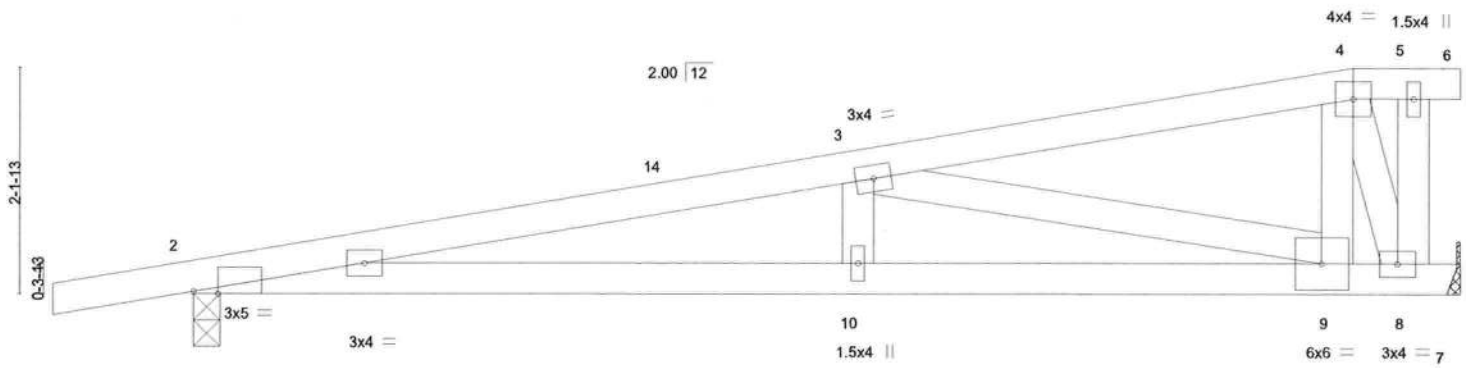

6-3-12	11-0-0	12-0-0
6-3-12	4-8-4	1-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.08	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.17	10-13	>824	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 53 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-0, 7=Mechanical
Max Horz 2=80(LC 8)
Max Uplift 2=-139(LC 8), 7=-97(LC 9)
Max Grav 2=562(LC 1), 7=477(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1487/218, 3-4=-326/43
BOT CHORD 2-10=-257/1456, 9-10=-257/1456
WEBS 3-9=-1193/210, 4-9=-52/622, 4-8=-854/168

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=139.
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	Aasheim
AASHEIM	J01	Jack-Open	9	1	T22689963
					Job Reference (optional)

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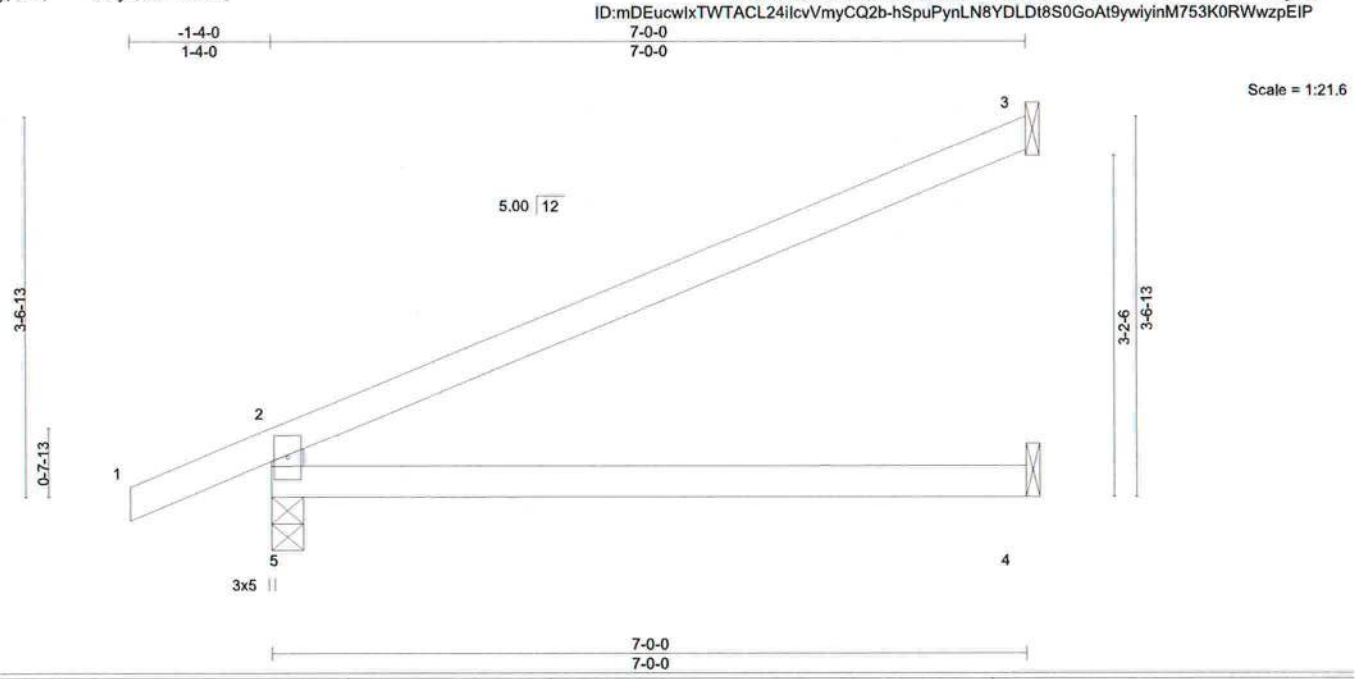

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.09	4-5	>910	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.20	4-5	>400	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 24 lb	FT = 20%

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

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

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=145(LC 12)
Max Uplift 5=-80(LC 12), 3=-85(LC 12)
Max Grav 5=370(LC 1), 3=186(LC 1), 4=124(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-310/137

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.
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	Aasheim
AASHEIM	J02	Jack-Open	4	1	T22689964
					Job Reference (optional)

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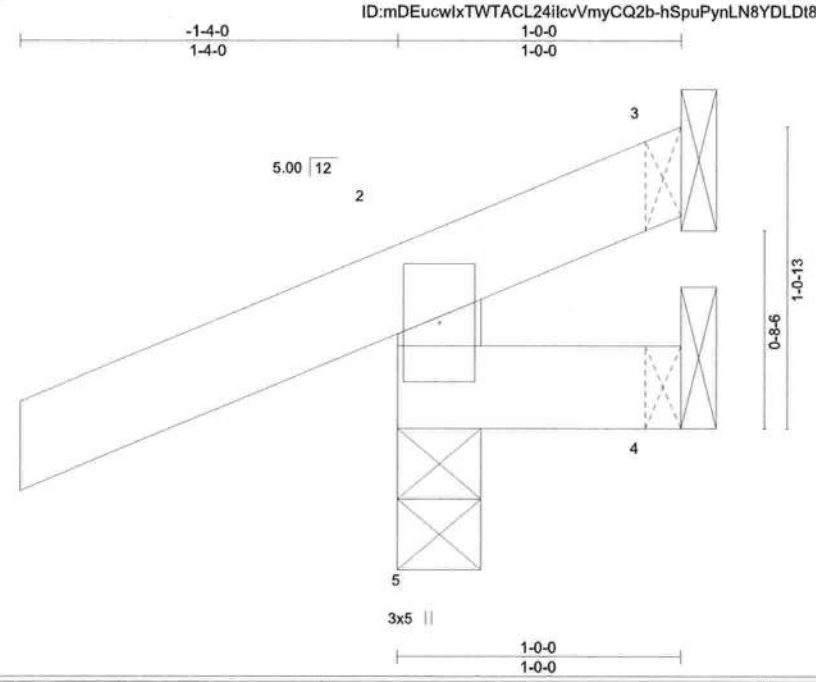

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=58(LC 12)
Max Uplift 5=-107(LC 12), 3=-29(LC 1), 4=-15(LC 1)
Max Grav 5=200(LC 1), 3=23(LC 12), 4=12(LC 12)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 5=107.

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	J03	Jack-Open	4	1	T22689965
					Job Reference (optional)

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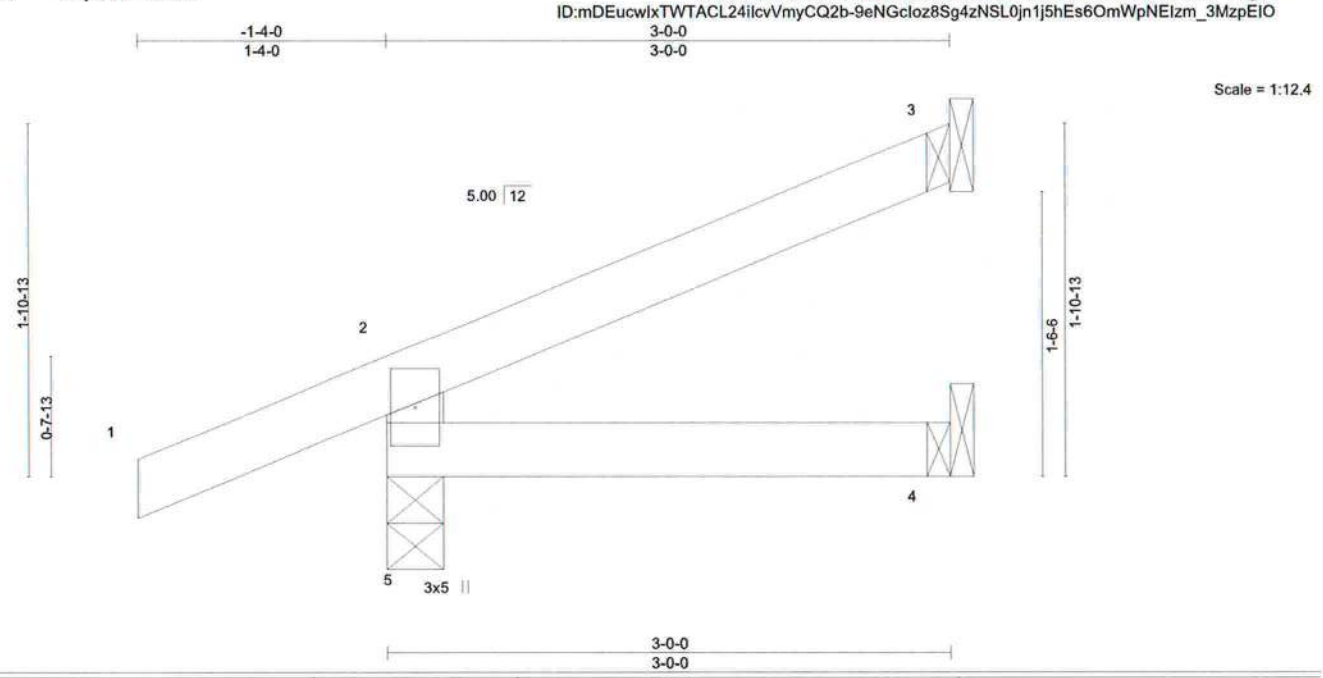

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 12 lb	FT = 20%

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

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

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=86(LC 12)
Max Uplift 5=-78(LC 12), 3=-29(LC 12)
Max Grav 5=224(LC 1), 3=64(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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.

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Date:
February 2,2021

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	J04	Jack-Open	4	1	T22689966
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:42 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-drxeqepbvloxbX1XaQJGFIENLWiNFGdOXdVXbozpEIN

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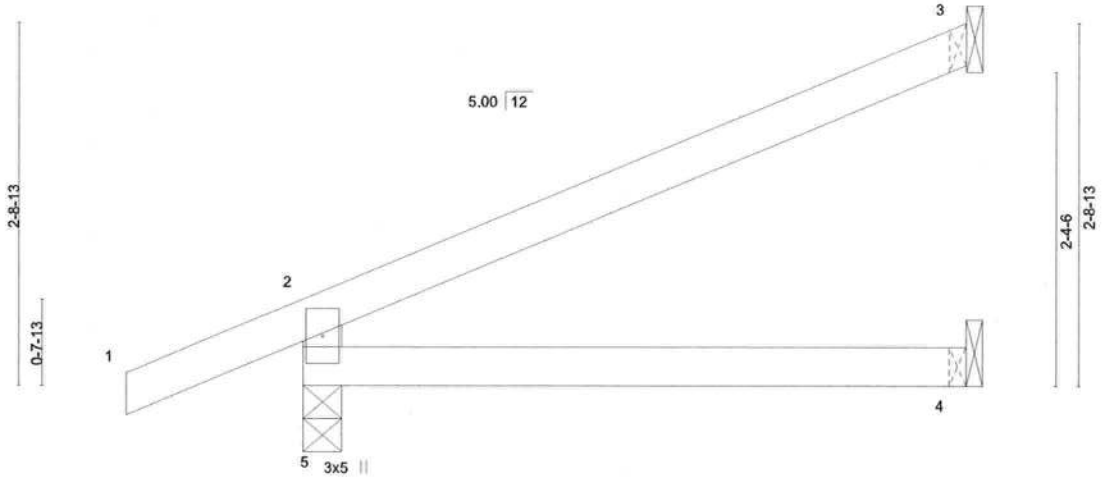

5-0-0 / 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.02	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)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 18 lb	FT = 20%

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

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

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=116(LC 12)
Max Uplift 5=-77(LC 12), 3=-58(LC 12)
Max Grav 5=294(LC 1), 3=126(LC 1), 4=88(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-250/116

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.
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	Aasheim
AASHEIM	J05	Jack-Partial	1	1	T22689967
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:43 2021 Page 1
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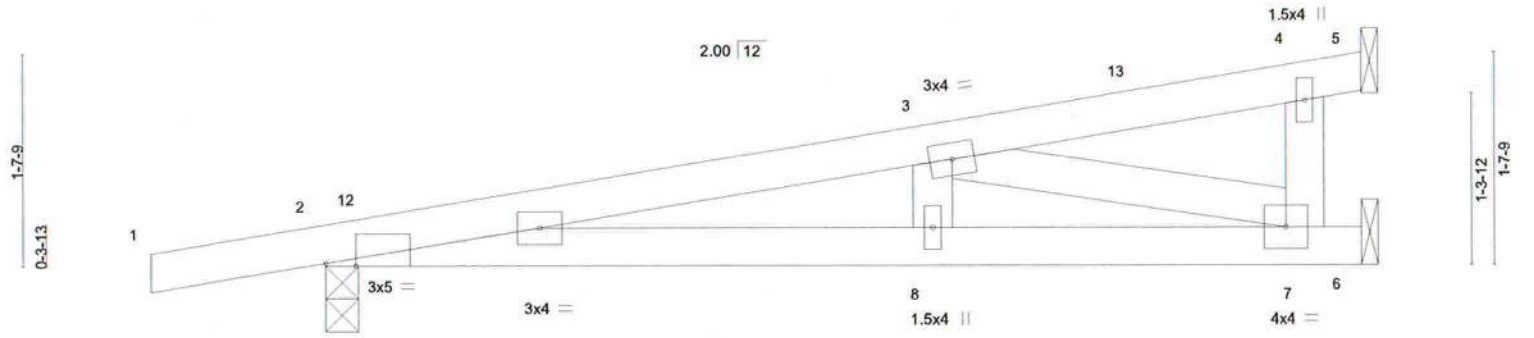
-1-4-0 | 4-7-4 | 7-10-8
1-4-0 | 4-7-4 | 3-3-4

Scale = 1:17.6



4-7-4 | 7-10-8
4-7-4 | 3-3-4

Plate Offsets (X,Y)-- [2:0-2-12,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	0.16	Vert(LL)	-0.03	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.05	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 32 lb	FT = 20%

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

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

REACTIONS. (size) 5=Mechanical, 2=0-3-0, 6=Mechanical
Max Horz 2=62(LC 8)
Max Uplift 5=-6(LC 9), 2=-118(LC 8), 6=-53(LC 9)
Max Grav 5=130(LC 1), 2=399(LC 1), 6=175(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-837/133
BOT CHORD 2-8=-160/820, 7-8=-160/820
WEBS 3-7=-851/166

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6 except (jt=lb) 2=118.
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	Aasheim
AASHEIM	J06	Jack-Partial	1	1	T22689968
					Job Reference (optional)

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:43 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-51V01_qEg3woDhcj78qVoWnafv0o_gaXmHF57FzpEIM

4-7-4 / 4-7-4 | 7-10-8 / 3-3-4

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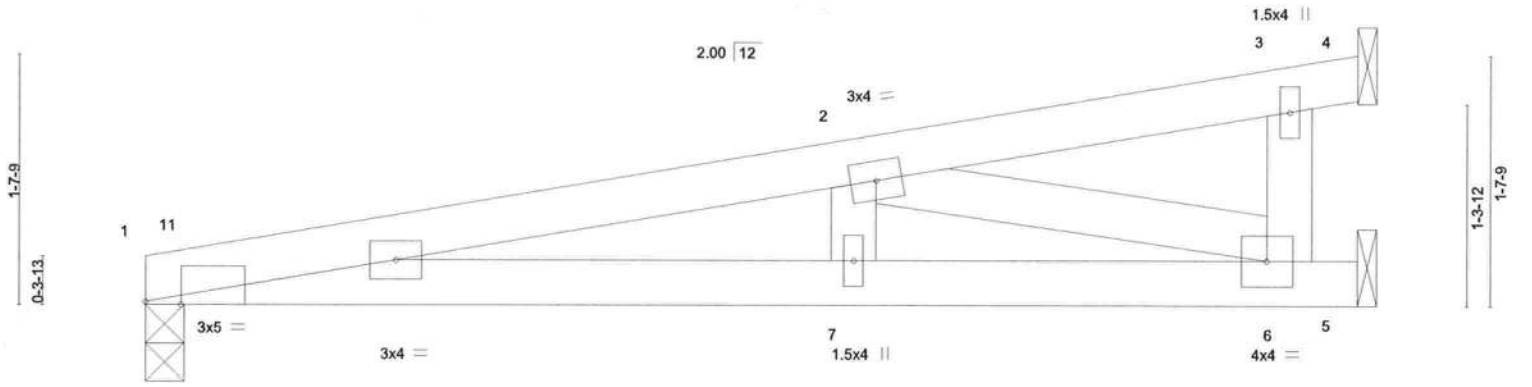

4-7-4 / 4-7-4 | 7-10-8 / 3-3-4

Plate Offsets (X,Y)-- [1:0-2-12,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	0.18	Vert(LL)	-0.03	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.06	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 30 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-3-0, 4=Mechanical, 5=Mechanical
Max Horz 1=50(LC 9)
Max Uplift 1=-53(LC 8), 4=-7(LC 9), 5=-54(LC 9)
Max Grav 1=313(LC 1), 4=133(LC 1), 5=179(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-876/143
BOT CHORD 1-7=-170/859, 6-7=-170/859
WEBS 2-6=-892/176

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

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February 2,2021

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	J07	Jack-Open	4	1	T22689969
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:44 2021 Page 1
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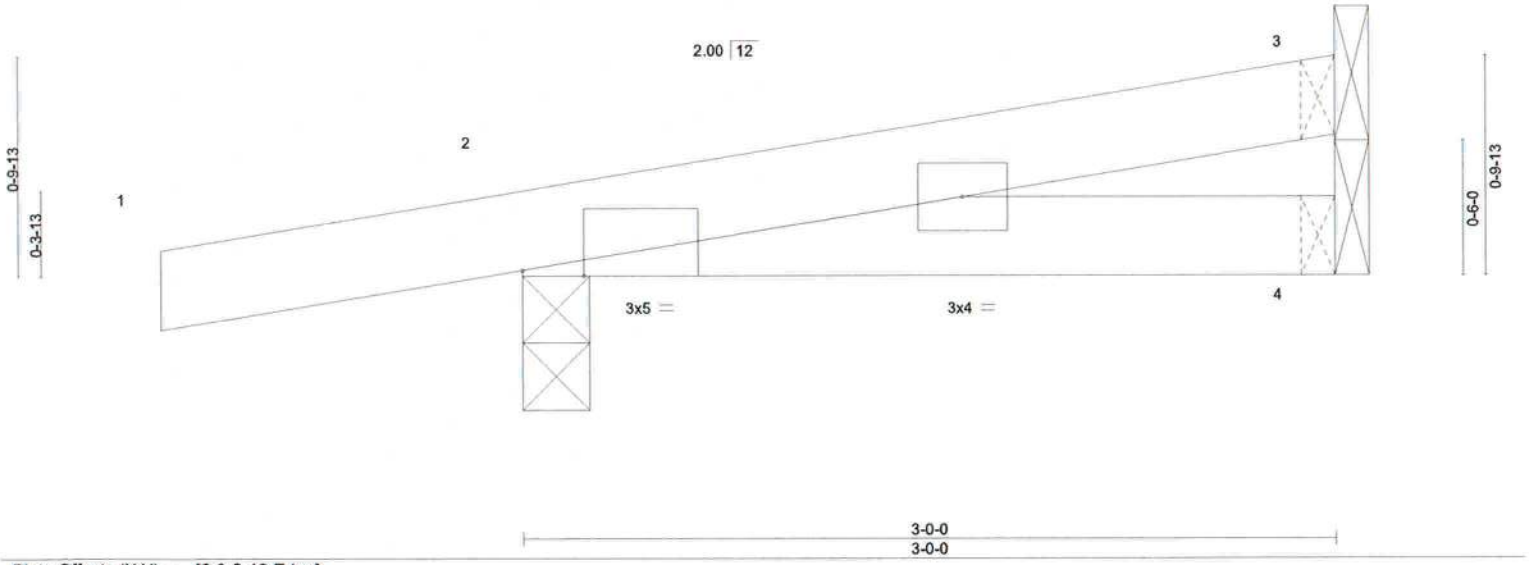

3-0-0
3-0-0

Plate Offsets (X,Y)-- [2:0-2-12,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	0.10	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	7	>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 FBC2020/TPI2014		Matrix-MP							Weight: 11 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-0, 4=Mechanical
Max Horz 2=32(LC 8)
Max Uplift 3=-18(LC 9), 2=-94(LC 8)
Max Grav 3=60(LC 1), 2=216(LC 1), 4=46(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Aasheim T22689970
AASHEIM	J08	Jack-Open	4	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:45 2021 Page 1
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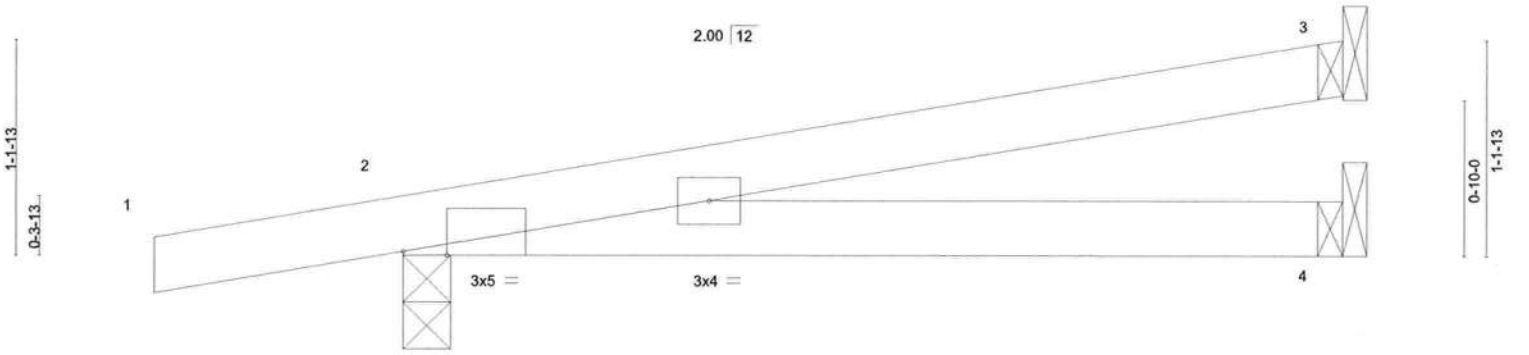

5-0-0
5-0-0

Plate Offsets (X,Y)-- [2:0-2-12,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	0.25	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.05	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 FBC2020/TPI2014		Matrix-AS							Weight: 17 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-0, 4=Mechanical
Max Horz 2=44(LC 8)
Max Uplift 3=-43(LC 9), 2=-102(LC 8)
Max Grav 3=120(LC 1), 2=288(LC 1), 4=84(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=102.
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	Aasheim
AASHEIM	J09	Jack-Open	4	1	T22689971
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:45 2021 Page 1
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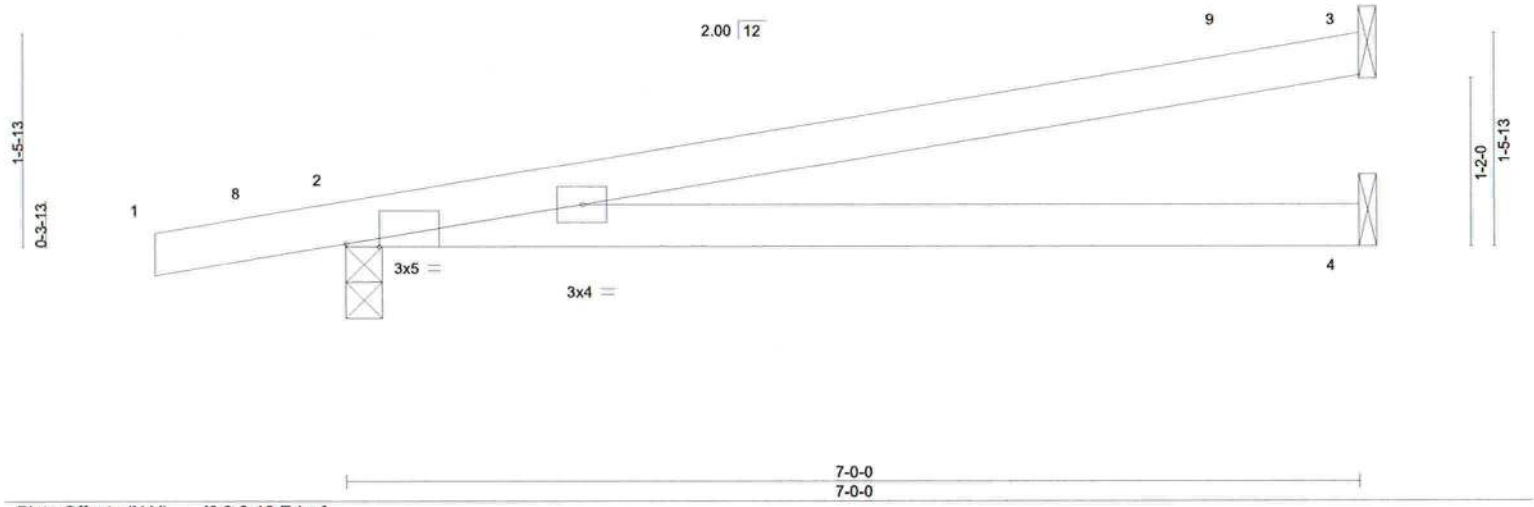
Scale: 3/4"=1'



7-0-0 / 7-0-0

Plate Offsets (X,Y)-- [2:0-2-12,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	0.57	Vert(LL)	0.10	4-7	>829	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.22	4-7	>387	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 23 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-0, 4=Mechanical
Max Horz 2=57(LC 8)
Max Uplift 3=-67(LC 9), 2=-113(LC 8)
Max Grav 3=180(LC 1), 2=365(LC 1), 4=120(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=113.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

February 2,2021

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	J10	Jack-Open	1	1	T22689972
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:46 2021 Page 1
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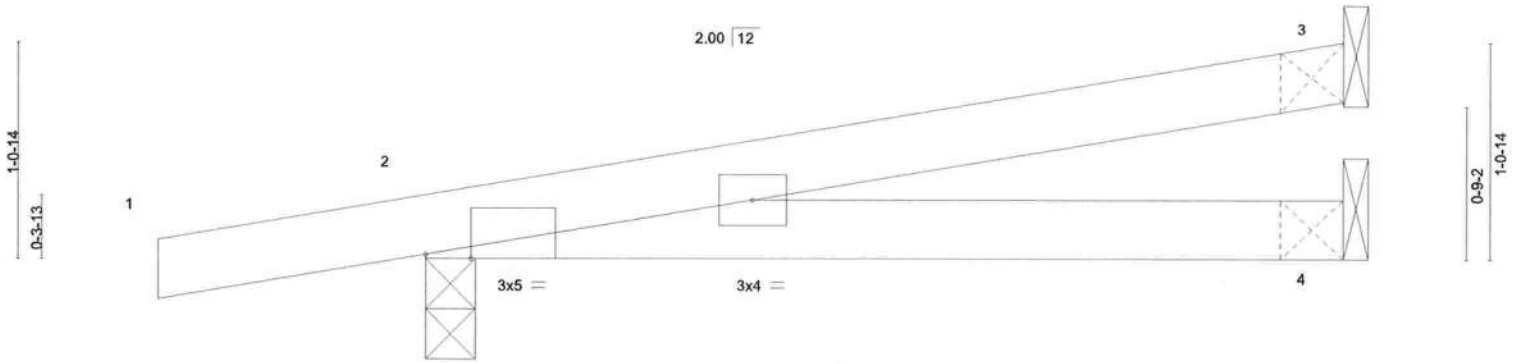

4-6-10 / 4-6-10

Plate Offsets (X,Y)-- [2:0-2-12,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	0.20	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.03	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 FBC2020/TPI2014		Matrix-AS							Weight: 16 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-0, 4=Mechanical
Max Horz 2=42(LC 8)
Max Uplift 3=-38(LC 9), 2=-100(LC 8)
Max Grav 3=107(LC 1), 2=271(LC 1), 4=76(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	J11	Jack-Partial	1	1	T22689973
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:47 2021 Page 1
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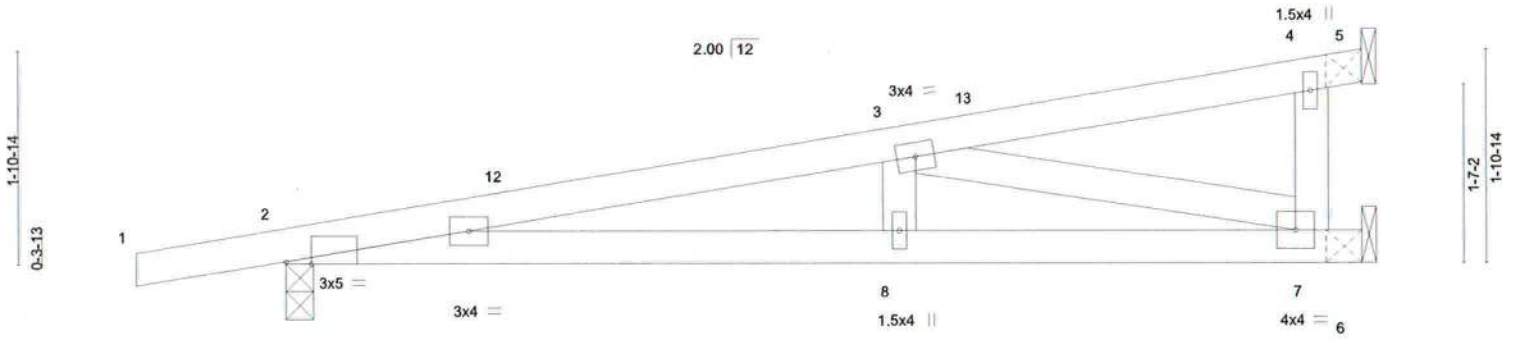

5-5-5 5-5-5 | 9-6-10 4-1-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.05	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.10	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 39 lb	FT = 20%

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

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

REACTIONS. (size) 5=Mechanical, 2=0-3-0, 6=Mechanical
Max Horz 2=71(LC 8)
Max Uplift 2=-126(LC 8), 6=-79(LC 9)
Max Grav 5=169(LC 3), 2=465(LC 1), 6=225(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1099/170
BOT CHORD 2-8=-203/1075, 7-8=-203/1075
WEBS 3-7=-1109/210

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=126.
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	Aasheim
AASHEIM	J12	Jack-Open	1	1	T22689974
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:47 2021 Page 1
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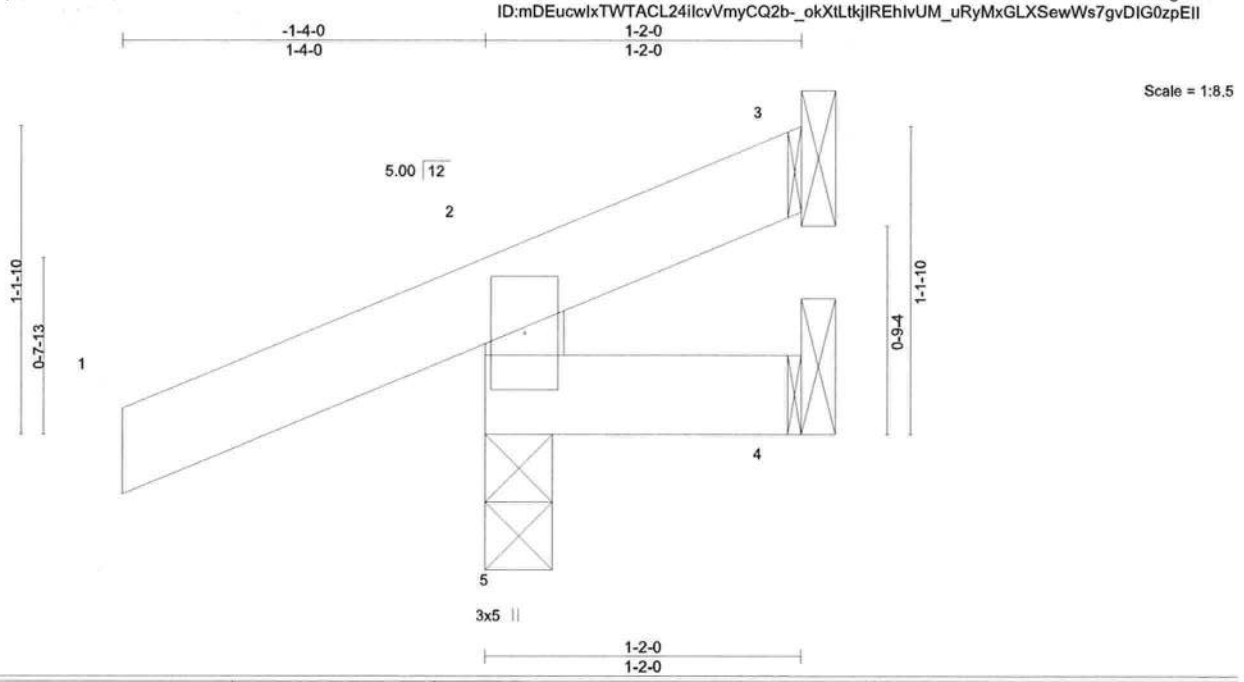

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 6 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=60(LC 12)
Max Uplift 5=-99(LC 12), 3=-15(LC 1), 4=-10(LC 1)
Max Grav 5=194(LC 1), 3=14(LC 8), 4=12(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	J13	Jack-Open	1	1	T22689975
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:48 2021 Page 1
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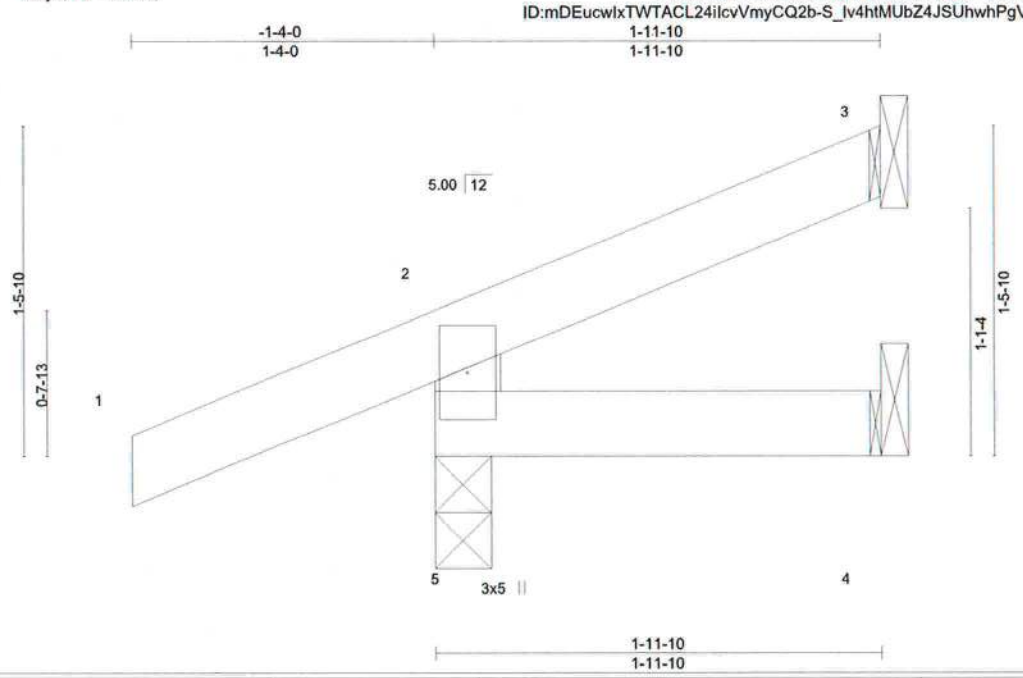

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 9 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=72(LC 12)
Max Uplift 5=-83(LC 12), 3=-14(LC 9)
Max Grav 5=197(LC 1), 3=31(LC 17), 4=30(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	J14	Jack-Open	1	1	T22689976
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:48 2021 Page 1
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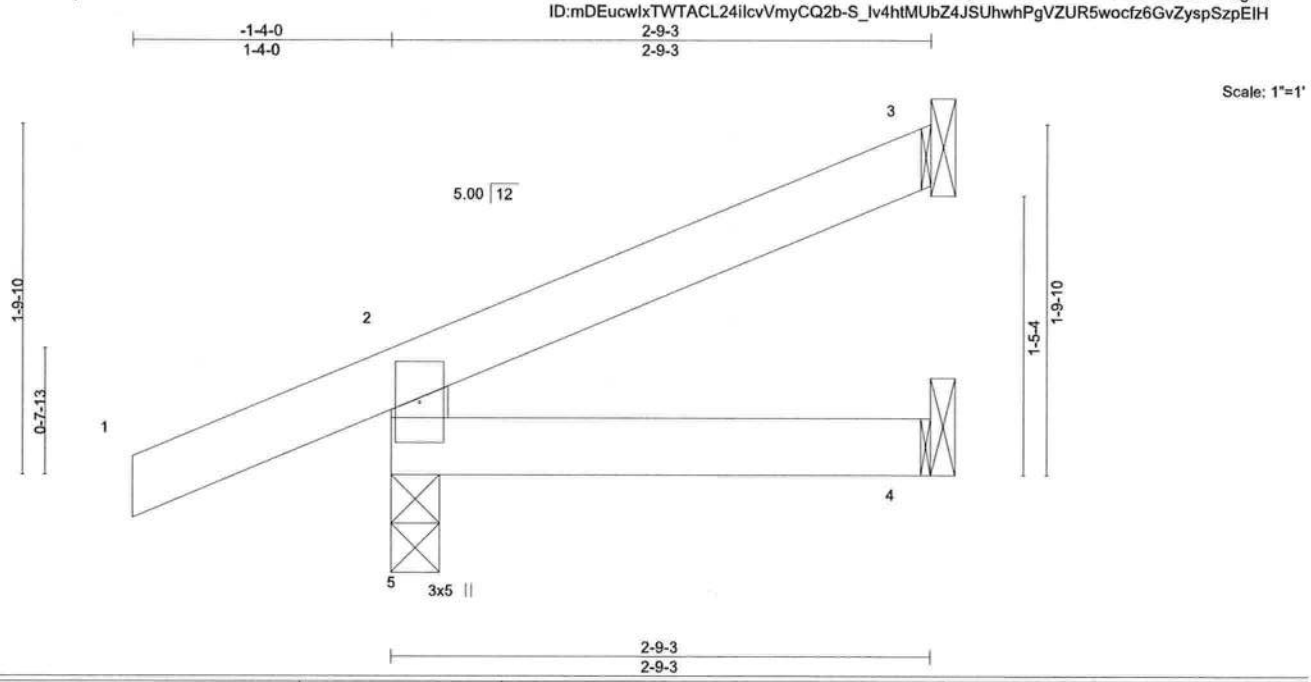

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 11 lb	FT = 20%

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

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

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=83(LC 12)
Max Uplift 5=-79(LC 12), 3=-26(LC 12)
Max Grav 5=217(LC 1), 3=57(LC 17), 4=45(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	J15	Jack-Open	1	1	T22689977
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:49 2021 Page 1
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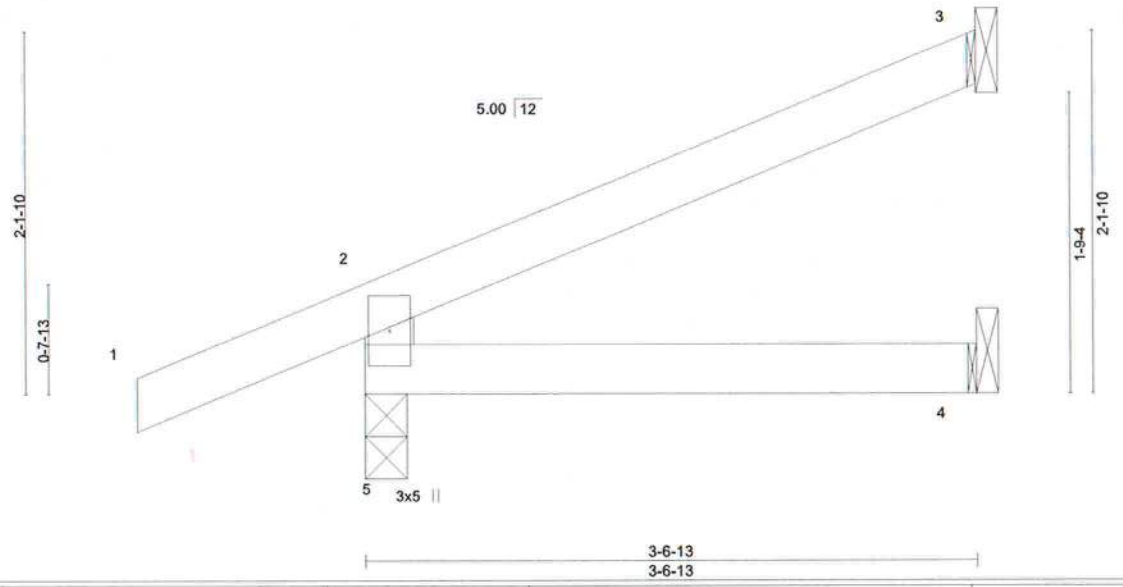

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 14 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=95(LC 12)
Max Uplift 5=-77(LC 12), 3=-38(LC 12)
Max Grav 5=243(LC 1), 3=82(LC 1), 4=61(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	J16	Jack-Closed	14	1	T22689978
					Job Reference (optional)

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:50 2021 Page 1
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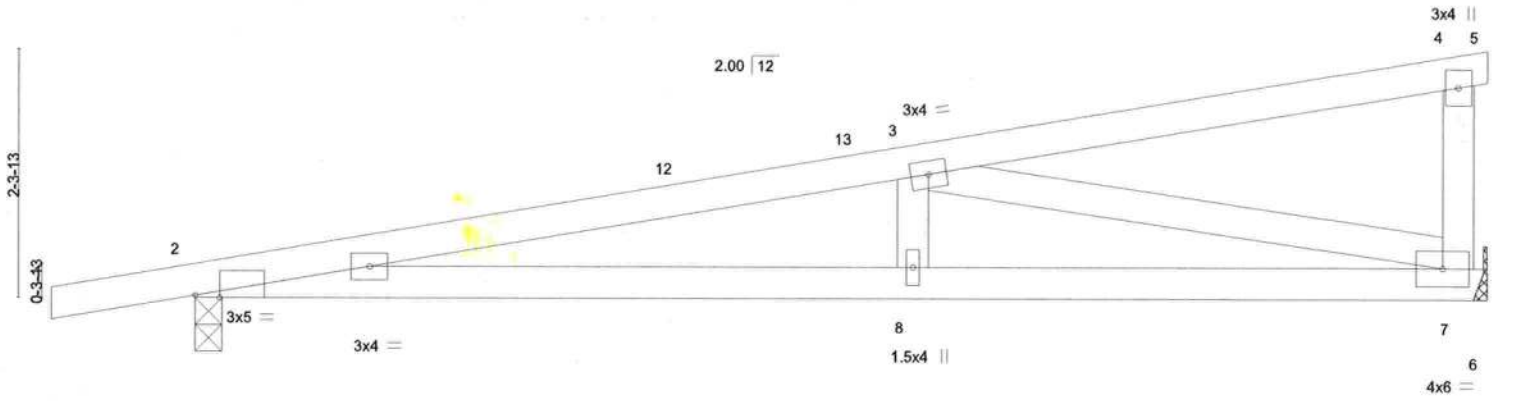

6-8-0 / 6-8-0 | 12-0-0 / 5-4-0

Plate Offsets (X,Y)-- [2:0-2-12,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	0.41	Vert(LL)	-0.09	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.19	8-11	>751	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 49 lb	FT = 20%

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

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

REACTIONS. (size) 7=Mechanical, 2=0-3-0
Max Horz 2=116(LC 9)
Max Uplift 7=-92(LC 9), 2=-141(LC 8)
Max Grav 7=476(LC 1), 2=554(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1385/194
BOT CHORD 2-8=-257/1355, 7-8=-257/1355
WEBS 3-7=-1320/230

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=141.
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.

Julius Lee PE No.34869
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Date:

February 2,2021

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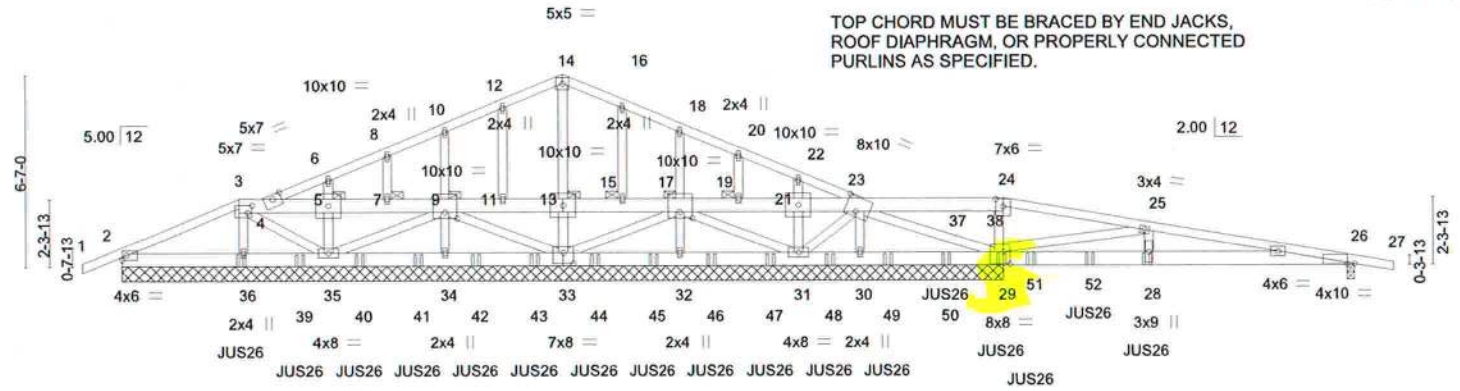
Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	T01	GABLE	1	2	T22689979
					Job Reference (optional)

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:54 2021 Page 1
ID:mDEucwIxTWTACL24ilcvVmyCQ2b-H8fBLky74RJE1NyqHyW5kqkOxLix3ZW9HVPA06zpEIB

-1-4-0 4-0-0 25-2-14 26-0-0 30-0-0 42-0-0 43-4-0
1-4-0 4-0-0 21-2-14 0-9-2 4-0-0 12-0-0 1-4-0

Scale = 1:79.0



4-0-0 25-2-14 30-0-0 42-0-0
4-0-0 21-2-14 4-9-2 12-0-0

Plate Offsets (X,Y)-- [3:0-1-12,0-3-0], [9:0-5-0,0-2-8], [17:0-5-0,0-2-8], [23:0-4-10,0-5-15], [24:0-3-0,0-3-1], [26:0-2-15,0-0-3], [29:0-2-12,0-5-0], [33:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.06	28	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.12	26-28	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.01	26	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 626 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 3-13,13-24: 2x6 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.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 28-29,26-28.
JOINTS 1 Brace at Jt(s): 13, 9, 7, 5, 15, 17, 19

REACTIONS. All bearings 30-0-0 except (jt=length) 26=0-3-0.
(lb) - Max Horz 2=138(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 2 except 29=-751(LC 8), 26=-161(LC 5), 33=-245(LC 8), 30=-155(LC 8), 34=-281(LC 8), 35=-316(LC 8), 36=-104(LC 8), 32=-276(LC 8), 31=-200(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2 except 29=4103(LC 1), 26=710(LC 1), 33=1233(LC 1), 30=990(LC 1), 34=1228(LC 1), 35=1121(LC 1), 36=759(LC 1), 32=1197(LC 18), 31=420(LC 30)

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.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-19=-25/464, 19-21=-25/464, 21-23=-25/464, 23-24=-363/2533, 24-25=-385/2587, 25-26=-2131/344
BOT CHORD 30-31=-1127/218, 29-30=-1167/225, 28-29=-297/2070, 26-28=-297/2070
WEBS 24-29=-733/172, 13-33=-262/50, 23-30=-328/55, 23-29=-1451/238, 9-34=-260/125, 17-31=-349/88, 23-31=-117/877, 25-28=-144/1420, 25-29=-4714/759

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) 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.
6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 1.5x4 MT20 unless otherwise indicated.
9) Gable studs spaced at 20-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

JULIUS LEE LICENSE No. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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6904 Parke East Blvd. Tampa FL 33610
Date: February 2,2021

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6904 Parke East Blvd.
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NOTES-

11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 29=751, 26=161, 33=245, 30=155, 34=281, 35=316, 36=104, 32=276, 31=200.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Use USP JUS26 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 4-0-12 from the left end to 32-11-4 to connect truss(es) to front face of bottom chord.
15) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 34-11-4 from the left end to connect truss(es) to front face of bottom chord.
16) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

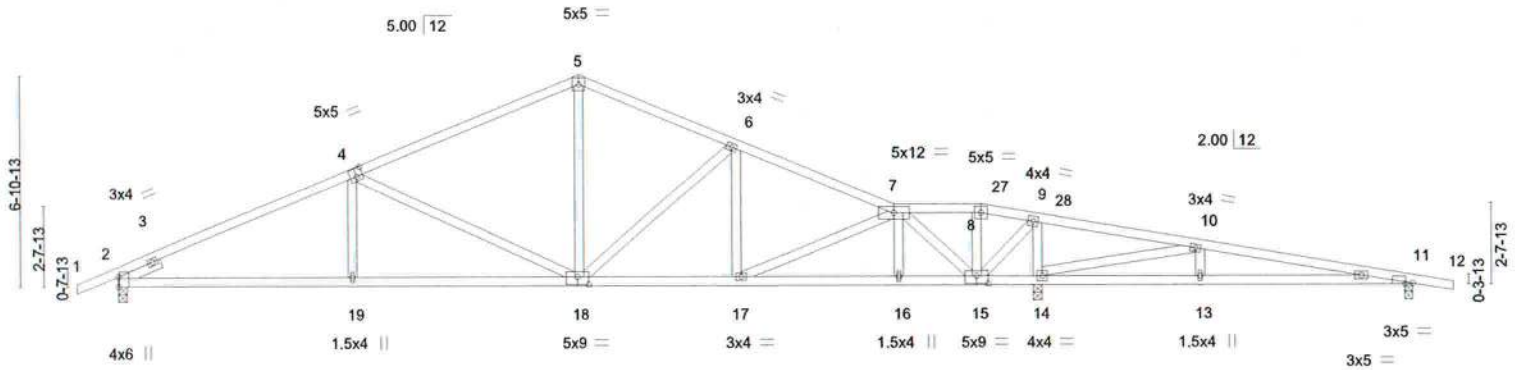
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 3-4=-60, 23-24=-60, 24-27=-60, 2-26=-20, 1-3=-60, 4-14=-60, 14-23=-60
   Concentrated Loads (lb)
   Vert: 29=-456(F) 36=-456(F) 28=-1165(F) 39=-456(F) 40=-456(F) 41=-456(F) 42=-456(F) 43=-456(F) 44=-456(F) 45=-456(F) 46=-456(F) 47=-456(F) 48=-456(F) 49=-456(F) 50=-456(F) 51=-457(F) 52=-457(F)

Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	T02	Roof Special	1	1	T22689980
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:56 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-DXnxmQ_Nc3ZyGh5DONZZqFphD9O3XPGSlpuH5?zpEl9

-1-4-0	7-7-12	15-0-0	20-1-3	25-2-6	28-0-0	29-10-4	35-1-6	42-0-0	43-4-0
1-4-0	7-7-12	7-4-4	5-1-3	5-1-3	2-9-10	1-10-4	5-3-2	6-10-10	1-4-0

Scale = 1:75.2



7-7-12	15-0-0	20-1-3	25-2-6	28-0-0	29-10-4	35-1-6	42-0-0
7-7-12	7-4-4	5-1-3	5-1-3	2-9-10	1-10-4	5-3-2	6-10-10

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [4:0-2-8,0-3-4], [11:0-2-12,Edge], [15:0-4-8,0-3-0], [18:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.10	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.24	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.06	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 211 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 11=0-3-0
Max Horz 2=143(LC 11)
Max Uplift 2=-213(LC 12), 14=-284(LC 12), 11=-123(LC 9)
Max Grav 2=1165(LC 1), 14=2059(LC 1), 11=326(LC 22)

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

TOP CHORD	2-4=-1970/306, 4-5=-1315/265, 5-6=-1278/272, 6-7=-1446/263, 7-8=-22/375, 8-9=-25/370, 9-10=-179/1578
BOT CHORD	2-19=-183/1750, 18-19=-185/1747, 17-18=-102/1286, 16-17=-83/833, 15-16=-79/838, 14-15=-1534/241
WEBS	4-19=0/284, 4-18=-716/168, 5-18=-58/582, 6-18=-280/90, 7-17=-21/499, 7-15=-1625/224, 9-15=-220/1666, 9-14=-1644/290, 10-14=-1444/206, 10-13=0/257

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=213, 14=284, 11=123.
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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February 2,2021

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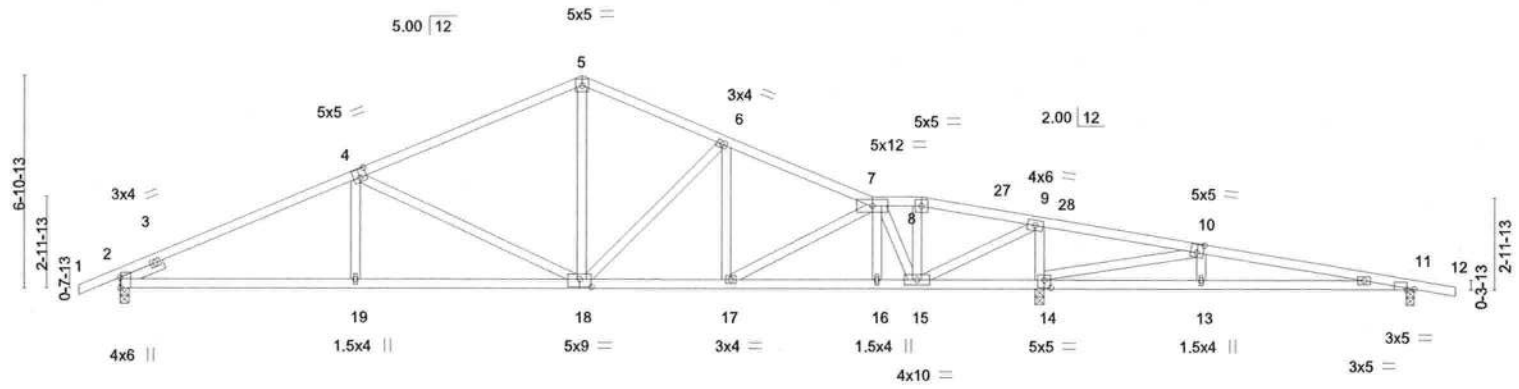
Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	T03	Roof Special	1	1	T22689981
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:57 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-hjLJzm_0NMhpuqgPy44oMTMsEZk9GsZb_TeqdRzpEI8

1-4-0	7-7-12	15-0-0	19-8-6	24-4-13	26-0-0	29-10-4	35-1-6	42-0-0	43-4-0
1-4-0	7-7-12	7-4-4	4-8-6	4-8-6	1-7-3	3-10-4	5-3-2	6-10-10	1-4-0

Scale = 1:75.2



7-7-12	15-0-0	19-8-6	24-4-13	26-0-0	29-10-4	35-1-6	42-0-0
7-7-12	7-4-4	4-8-6	4-8-6	1-7-3	3-10-4	5-3-2	6-10-10

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [4:0-2-8,0-3-4], [10:0-2-8,0-3-4], [11:0-2-12,Edge], [14:0-2-8,0-3-0], [18:0-4-8,0-3-0]

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	0.62	Vert(LL)	-0.10	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.25	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 213 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 11=0-3-0
Max Horz 2=139(LC 11)
Max Uplift 2=-215(LC 12), 14=-281(LC 12), 11=-121(LC 9)
Max Grav 2=1178(LC 1), 14=2037(LC 1), 11=333(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2000/310, 4-5=-1348/270, 5-6=-1303/278, 6-7=-1492/275, 7-8=-594/145, 8-9=-628/142, 9-10=-168/1492
BOT CHORD 2-19=-187/1778, 18-19=-189/1775, 17-18=-105/1333, 16-17=-114/1109, 15-16=-112/1114, 14-15=-1334/209
WEBS 4-19=0/284, 4-18=-714/168, 5-18=-65/611, 6-18=-310/93, 7-17=-2/258, 7-15=-1092/154, 9-15=-279/2167, 9-14=-1620/290, 10-14=-1373/204, 10-13=0/254

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=215, 14=281, 11=121.
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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February 2,2021

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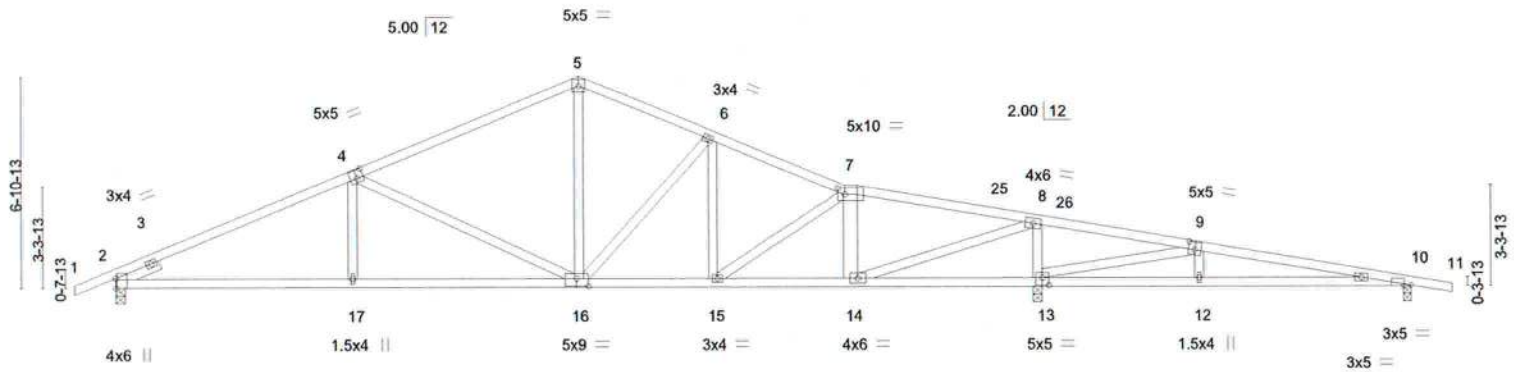
Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	T04	Roof Special	1	1	T22689982
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:58 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-9wvhB6?e8gpgW_FcWob1vgv1Yy4F?JtkC7NN9tzpEI7

-1-4-0	7-7-12	15-0-0	19-3-10	24-0-0	29-10-4	35-1-6	42-0-0	43-4-0
1-4-0	7-7-12	7-4-4	4-3-10	4-8-6	5-10-4	5-3-2	6-10-10	1-4-0

Scale = 1:75.2



7-7-12	15-0-0	19-3-10	23-7-3	24-0-0	29-10-4	35-1-6	42-0-0
7-7-12	7-4-4	4-3-10	4-3-10	0-4-13	5-10-4	5-3-2	6-10-10

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [4:0-2-8,0-3-4], [7:0-2-14,0-2-8], [9:0-2-8,0-3-0], [10:0-2-12,Edge], [13:0-2-8,0-3-0], [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	0.59	Vert(LL)	-0.11	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.26	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 211 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
7-14: 2x6 SP No.2
SLIDER Left 2x4 SP No.2 -t 1-6-0

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

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 10=0-3-0
Max Horz 2=135(LC 11)
Max Uplift 2=-217(LC 12), 13=-274(LC 12), 10=-120(LC 9)
Max Grav 2=1192(LC 1), 13=1990(LC 1), 10=362(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2032/315, 4-5=-1382/274, 5-6=-1328/284, 6-7=-1521/287, 7-8=-1320/236, 8-9=-132/1243
BOT CHORD 2-17=-191/1806, 16-17=-194/1803, 15-16=-107/1371, 14-15=-124/1268, 13-14=-1089/172
WEBS 4-17=0/283, 4-16=-710/168, 5-16=-71/641, 6-16=-331/96, 8-13=-1571/299, 9-13=-1298/204, 7-14=-692/171, 8-14=-312/2488

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=217, 13=274, 10=120.
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:

February 2,2021

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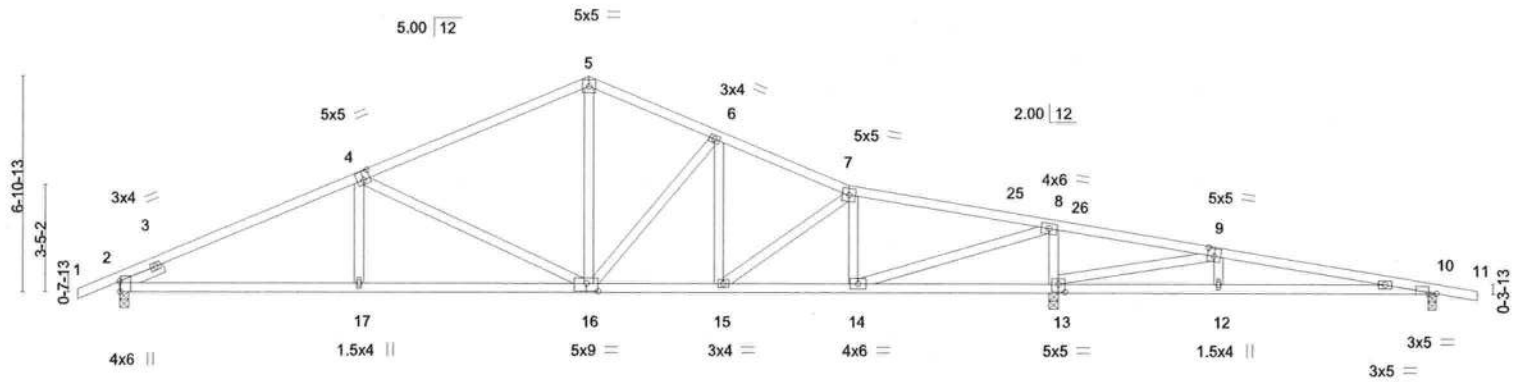
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Aasheim T22689983
AASHEIM	T05	Roof Special	2	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:25:59 2021 Page 1
ID:mDEucwIxTWTACL24ilcvVmyCQ2b-d6S4OS0Gv_xX78qo3V6GRuRCoMPTkm7uRn7xhJzpEl6

-1-4-0	7-7-12	15-0-0	19-2-0	23-4-0	29-10-4	35-1-6	42-0-0	43-4-0
1-4-0	7-7-12	7-4-4	4-2-0	4-2-0	6-6-4	5-3-2	6-10-10	1-4-0

Scale = 1:73.9



7-7-12	15-0-0	19-2-0	23-4-0	29-10-4	35-1-6	42-0-0
7-7-12	7-4-4	4-2-0	4-2-0	6-6-4	5-3-2	6-10-10

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [4:0-2-8,0-3-4], [9:0-2-8,0-3-0], [10:0-2-12,Edge], [13:0-2-8,0-3-0], [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	0.62	Vert(LL)	-0.11	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.27	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 209 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 10=0-3-0
Max Horz 2=134(LC 11)
Max Uplift 2=-217(LC 12), 13=-273(LC 12), 10=-120(LC 9)
Max Grav 2=1193(LC 1), 13=1985(LC 1), 10=365(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2035/315, 4-5=-1386/275, 5-6=-1329/284, 6-7=-1533/290, 7-8=-1383/242, 8-9=-127/1210
BOT CHORD 2-17=-192/1809, 16-17=-194/1806, 15-16=-105/1369, 14-15=-136/1359, 13-14=-1055/166
WEBS 4-17=0/283, 4-16=-710/168, 5-16=-71/643, 6-16=-328/95, 7-14=-661/168, 8-14=-310/2504, 8-13=-1566/302, 9-13=-1279/203

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=217, 13=273, 10=120.
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.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
February 2,2021

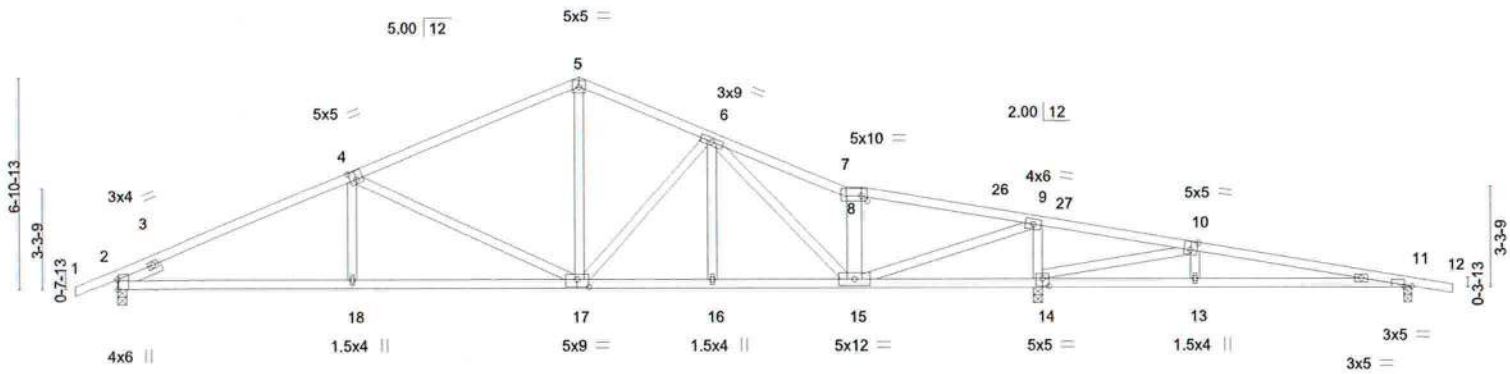
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	T06	Roof Special	1	1	T22689984
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:26:00 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-6l0Sco1ufH3NIlP_dCdV_5_NomlnTDI1gRsUEmzpEl5

-1-4-0	7-7-12	15-0-0	19-3-14	23-7-13	24-1-8	29-6-8	29-10-4	34-11-8	42-0-0	43-4-0
1-4-0	7-7-12	7-4-4	4-3-14	4-3-14	0-5-11	5-5-0	0-3-12	5-1-4	7-0-8	1-4-0

Scale = 1:75.2



7-7-12	15-0-0	19-3-14	23-7-13	24-1-8	29-10-4	34-11-8	42-0-0
7-7-12	7-4-4	4-3-14	4-3-14	0-5-11	5-8-12	5-1-4	7-0-8

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [4:0-2-8,0-3-4], [7:0-2-4,0-2-0], [10:0-2-8,0-3-4], [11:0-2-12,Edge], [14:0-2-8,0-3-0], [17:0-4-8,0-3-0]

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	0.60	Vert(LL)	-0.11	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.27	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 212 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
8-15: 2x6 SP No.2
SLIDER Left 2x4 SP No.2 -t 1-6-0

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

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 11=0-3-0
Max Horz 2=135(LC 11)
Max Uplift 2=-215(LC 12), 14=-282(LC 12), 11=-120(LC 9)
Max Grav 2=1184(LC 1), 14=2016(LC 1), 11=347(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2015/310, 4-5=-1362/269, 5-6=-1314/279, 6-7=-1301/275, 7-8=-1184/218, 8-9=-1272/224, 9-10=-169/1378
BOT CHORD 2-18=-187/1791, 17-18=-189/1788, 16-17=-102/1353, 15-16=-102/1353, 14-15=-1224/210
WEBS 4-18=0/284, 4-17=-713/169, 5-17=-71/641, 9-14=-1583/300, 10-14=-1310/201, 8-15=-568/183, 6-17=-332/96, 9-15=-343/2591

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=215, 14=282, 11=120.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
February 2,2021

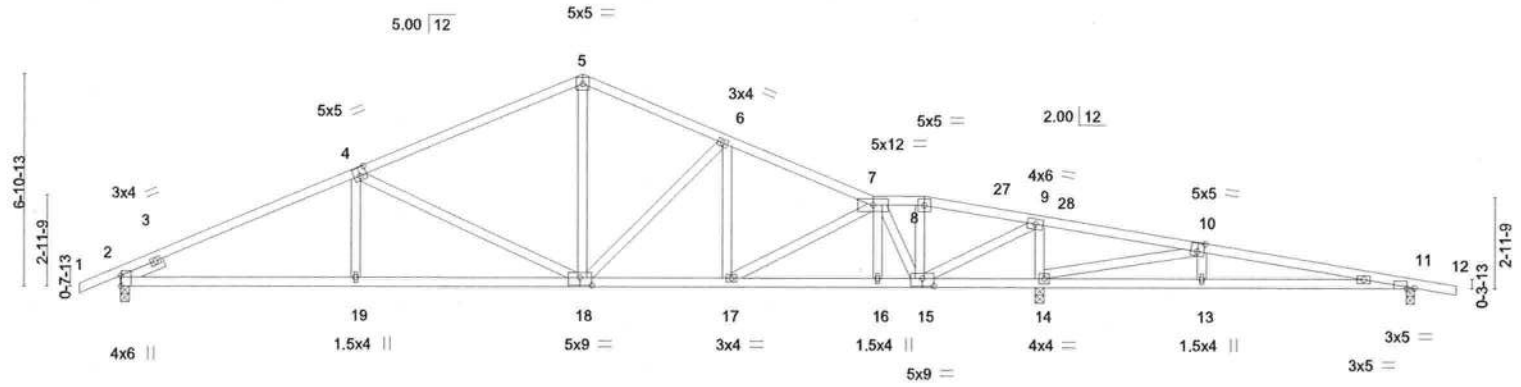
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	T07	Roof Special	1	1	T22689985
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:26:02 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-2h8C0T28BuK5_cZNldgz3W3j1aRQx6mK7lLbIezpEI3

1-4-0	7-7-12	15-0-0	19-8-11	24-5-6	26-1-8	29-10-4	35-1-6	42-0-0	43-4-0
1-4-0	7-7-12	7-4-4	4-8-11	4-8-11	1-8-2	3-8-12	5-3-2	6-10-10	1-4-0

Scale = 1:75.2



7-7-12	15-0-0	19-8-11	24-5-6	26-1-8	29-10-4	35-1-6	42-0-0
7-7-12	7-4-4	4-8-11	4-8-11	1-8-2	3-8-12	5-3-2	6-10-10

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [4:0-2-8,0-3-4], [10:0-2-8,0-3-4], [11:0-2-12,Edge], [15:0-4-8,0-3-0], [18:0-4-8,0-3-0]

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	0.62	Vert(LL)	-0.10	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.24	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 213 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 11=0-3-0
Max Horz 2=139(LC 11)
Max Uplift 2=-214(LC 12), 14=-281(LC 12), 11=-122(LC 9)
Max Grav 2=1170(LC 1), 14=2039(LC 1), 11=338(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1983/308, 4-5=-1329/267, 5-6=-1285/276, 6-7=-1458/270, 7-8=-445/126, 8-9=-476/122, 9-10=-164/1486
BOT CHORD 2-19=-185/1762, 18-19=-187/1758, 17-18=-101/1301, 16-17=-104/1033, 15-16=-102/1037, 14-15=-1443/226
WEBS 4-19=0/285, 4-18=-715/168, 5-18=-63/596, 6-18=-292/91, 7-17=-2/308, 7-15=-1146/158, 9-15=-280/2146, 9-14=-1620/291, 10-14=-1396/205, 10-13=0/258

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=214, 14=281, 11=122.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

February 2,2021

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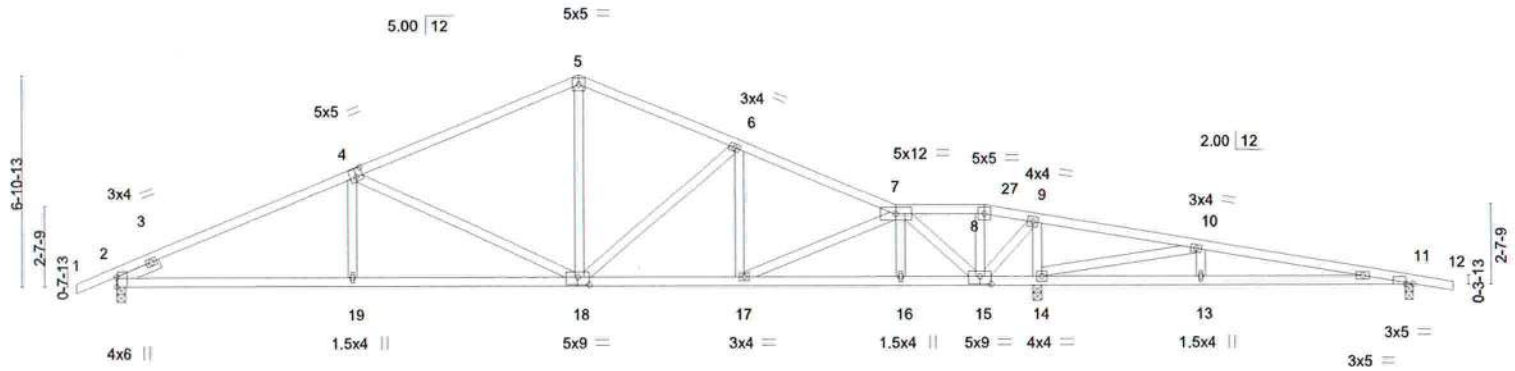
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	T08	Roof Special	1	1	T22689986
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:26:03 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-WtiaEp3myCSycl8ZlLBCckcuSznigZ?TMP58q5zpEl2

-1-4-0	7-7-12	15-0-0	20-1-8	25-3-0	28-1-8	29-10-4	35-1-6	42-0-0	43-4-0
1-4-0	7-7-12	7-4-4	5-1-8	5-1-8	2-10-8	1-8-12	5-3-2	6-10-10	1-4-0

Scale = 1:75.2



7-7-12	15-0-0	20-1-8	25-3-0	28-1-8	29-10-4	35-1-6	42-0-0
7-7-12	7-4-4	5-1-8	5-1-8	2-10-8	1-8-12	5-3-2	6-10-10

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [4:0-2-8,0-3-4], [11:0-2-12,Edge], [15:0-4-8,0-3-0], [18:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.10	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.24	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.06	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 210 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 11=0-3-0
Max Horz 2=143(LC 11)
Max Uplift 2=-213(LC 12), 14=-284(LC 12), 11=-123(LC 9)
Max Grav 2=1165(LC 1), 14=2059(LC 1), 11=326(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1969/306, 4-5=-1315/265, 5-6=-1278/272, 6-7=-1446/263, 7-8=-19/437, 8-9=-21/430, 9-10=-180/1579
BOT CHORD 2-19=-183/1750, 18-19=-185/1746, 17-18=-103/1286, 16-17=-82/820, 15-16=-78/826, 14-15=-1535/241
WEBS 4-19=0/284, 4-18=-716/168, 5-18=-57/581, 6-18=-279/91, 7-17=-23/512, 7-15=-1665/229, 9-15=-215/1632, 9-14=-1644/290, 10-14=-1443/206, 10-13=0/257

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=213, 14=284, 11=123.
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
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6904 Parke East Blvd. Tampa FL 33610
Date:
February 2,2021

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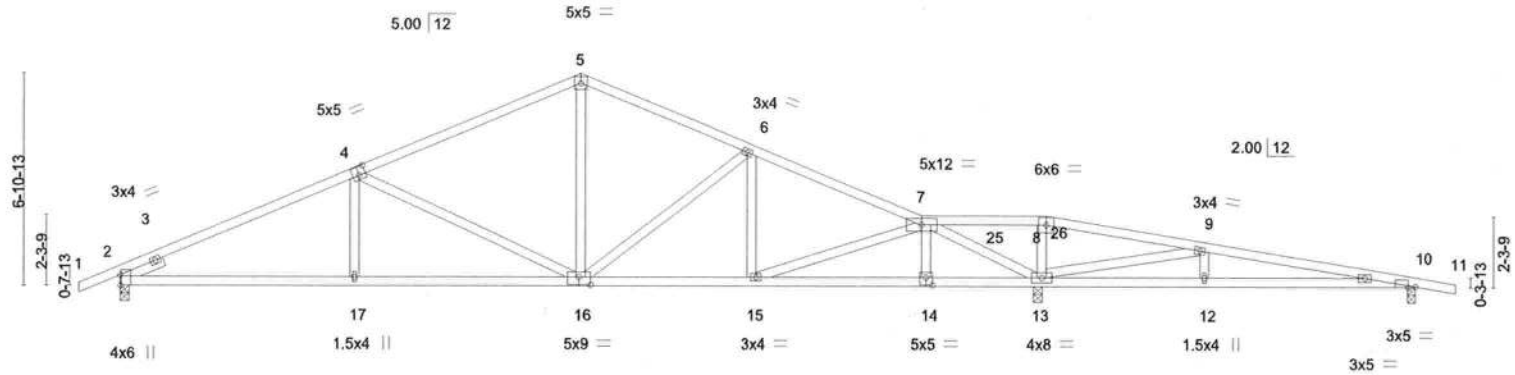
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	T09	Roof Special	1	1	T22689987
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:26:04 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-_3GzR94PjWapEvils2iR8x83aN7xP0Fdb3qiNXzpEI1

1-4-0	7-7-12	15-0-0	20-6-5	26-0-10	30-1-8	35-3-0	42-0-0	43-4-0
1-4-0	7-7-12	7-4-4	5-6-5	5-6-5	4-0-14	5-1-8	6-9-0	1-4-0

Scale = 1:75.2



7-7-12	15-0-0	20-6-5	26-0-10	30-0-0	30-1-8	35-3-0	42-0-0
7-7-12	7-4-4	5-6-5	5-6-5	3-11-6	0-1-8	5-1-8	6-9-0

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [4:0-2-8,0-3-4], [10:0-2-12,Edge], [14:0-2-8,0-3-0], [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	0.61	Vert(LL)	-0.10	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.24	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 205 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 10=0-3-0
Max Horz 2=147(LC 11)
Max Uplift 2=-213(LC 12), 13=-284(LC 12), 10=-124(LC 9)
Max Grav 2=1165(LC 1), 13=2052(LC 1), 10=332(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1969/305, 4-5=-1315/265, 5-6=-1286/271, 6-7=-1459/259, 7-8=-172/1570, 8-9=-174/1533
BOT CHORD 2-17=-183/1749, 16-17=-185/1746, 15-16=-108/1295, 14-15=-56/570, 13-14=-52/576
WEBS 4-17=0/284, 4-16=-716/168, 5-16=-53/579, 6-16=-282/93, 7-15=-55/770, 7-13=-2431/346, 8-13=-516/129, 9-13=-1457/205, 9-12=0/258

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=213, 13=284, 10=124.
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:

February 2,2021

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Job	Truss	Truss Type	Qty	Ply	Aasheim
AASHEIM	T10	Roof Special	1	1	T22689988
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:26:06 2021 Page 1
ID:mDEucwIxTWTACL24ilcvVmyCQ2b-wSNjsr5fF7qXTDs8_TkvEMERWBoHtwnw2MJpRPzpEI?

Scale = 1:75.2

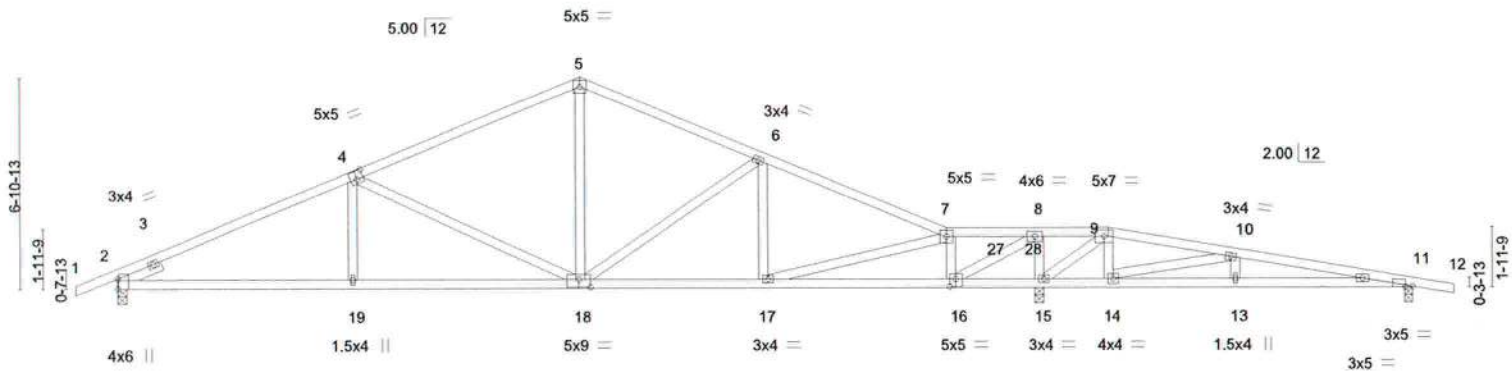

Plate Offsets (X,Y)-- [2:0-4-0,Edge], [4:0-2-8,0-3-4], [11:0-2-12,Edge], [16:0-2-4,0-3-0], [18:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.10	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.24	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.05	15	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 207 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 15=0-3-8, 11=0-3-0
Max Horz 2=151(LC 11)
Max Uplift 2=-215(LC 12), 15=-280(LC 12), 11=-126(LC 9)
Max Grav 2=1176(LC 1), 15=2019(LC 1), 11=351(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1995/308, 4-5=-1344/268, 5-6=-1322/273, 6-7=-1533/263, 8-9=-189/1705, 9-10=-99/912, 10-11=-388/204
BOT CHORD 2-19=-185/1773, 18-19=-188/1770, 17-18=-120/1359, 16-17=-37/385, 15-16=-1705/259, 14-15=-883/153, 13-14=-164/374, 11-13=-164/374
WEBS 4-19=0/283, 4-18=-713/167, 5-18=-52/594, 6-18=-317/100, 7-17=-86/1012, 7-16=-1107/230, 9-14=0/315, 10-14=-1143/161, 8-15=-1338/205, 8-16=-301/2231, 9-15=-1020/132

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=215, 15=280, 11=126.
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	Aasheim
AASHEIM	T11	Roof Special Girder	1	1	T22689989
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:26:07 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-Oex54B6H0RyO5NRKXBF8mamVnb5scS73H03MzszpEI_

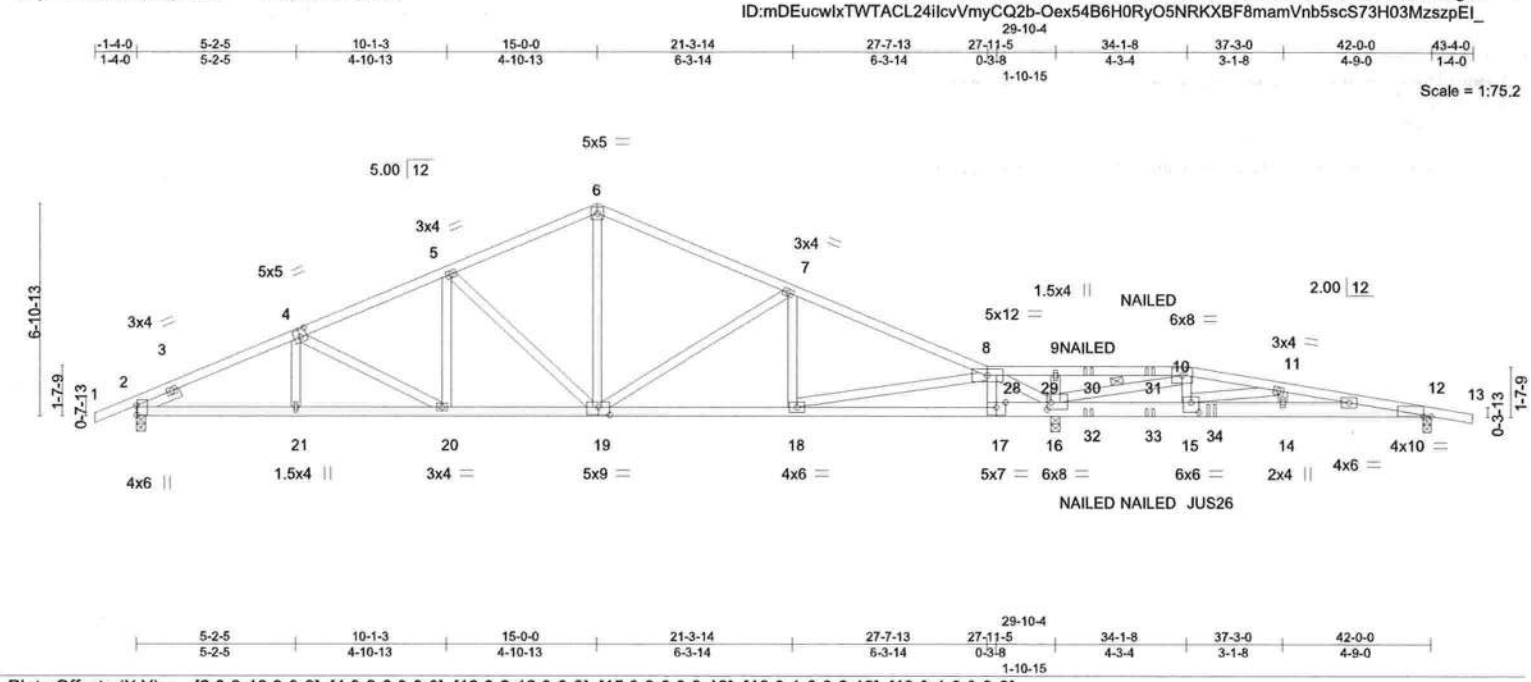

Plate Offsets (X,Y)-- [2:0-3-12,0-0-3], [4:0-2-8,0-3-0], [12:0-2-12,0-0-3], [15:0-3-0,0-3-12], [16:0-1-8,0-2-12], [19:0-4-8,0-3-0]

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	0.94	Vert(LL)	-0.12	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.23	14-15	>632	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.49	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 227 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 12-17: 2x6 SP SS
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -t 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18,16-17.
WEBS 1 Row at midpt 10-16

REACTIONS. (size) 2=0-3-8, 16=0-3-8, 12=0-3-0
Max Horz 2=155(LC 24)
Max Uplift 2=-238(LC 25), 16=-455(LC 8), 12=-201(LC 5)
Max Grav 2=1158(LC 1), 16=2939(LC 1), 12=803(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1984/352, 4-5=-1697/358, 5-6=-1250/332, 6-7=-1275/328, 7-8=-1521/398, 8-9=-252/1923, 9-10=-244/1873, 10-11=-1869/490, 11-12=-3059/603
BOT CHORD 2-21=-244/1807, 20-21=-246/1805, 19-20=-184/1541, 18-19=-253/1347, 17-18=-620/359, 16-17=-642/371, 15-16=-478/1835, 14-15=-558/3005, 12-14=-558/3005
WEBS 4-20=-310/78, 5-20=0/305, 5-19=-601/136, 6-19=-128/635, 7-19=-414/197, 7-18=-252/130, 9-16=-388/70, 10-16=-3711/593, 10-15=-161/1036, 11-15=-1223/168, 11-14=-3/362, 8-18=-237/1826, 8-16=-1790/415

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=238, 16=455, 12=201.
8) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 34-11-4 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.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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LOAD CASE(S) Standard

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Aasheim T22689989
AASHEIM	T11	Roof Special Girder	1	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-60, 6-8=-60, 8-10=-60, 10-13=-60, 12-22=-20
   Concentrated Loads (lb)
   Vert: 30=-73(B) 31=-70(B) 32=-159(B) 33=-155(B) 34=-903(B)

Job	Truss	Truss Type	Qty	Ply	Aasheim	
AASHEIM	T12	Common	5	1	Job Reference (optional)	T22689990

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ID:mDEucwlxTWTACL24ilcvVmyCQ2b-trVTHX7vnk4FiX0X5umNJnJmS_TcLqfDVgovVlzpEHz

-1-4-0	7-7-12	15-0-0	22-4-4	30-0-0	31-4-0
1-4-0	7-7-12	7-4-4	7-4-4	7-7-12	1-4-0

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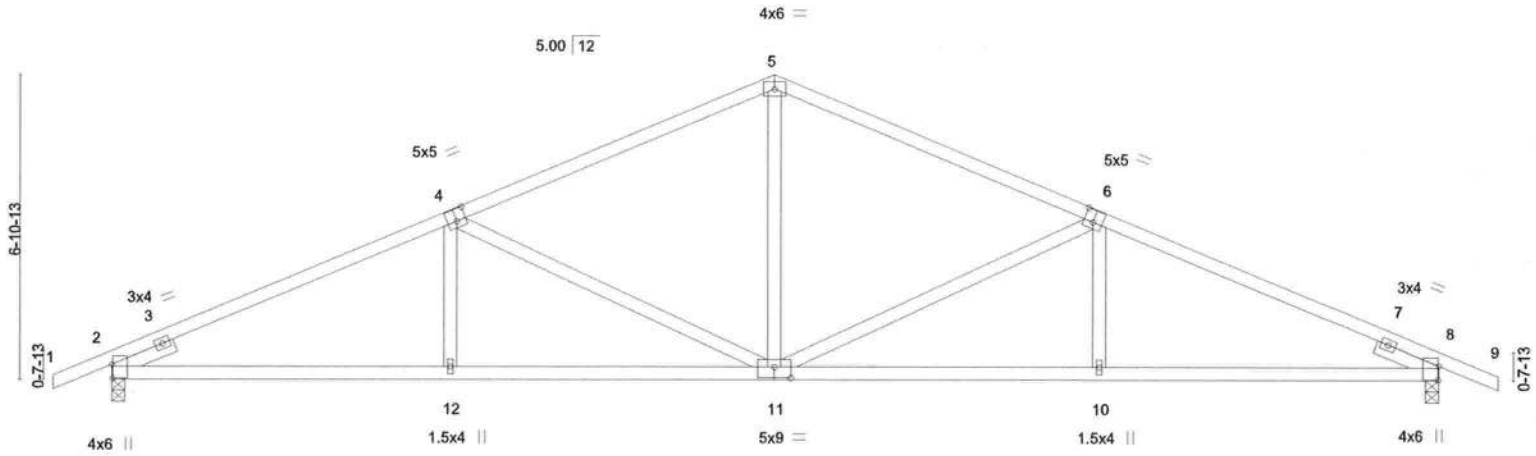

7-7-12	15-0-0	22-4-4	30-0-0
7-7-12	7-4-4	7-4-4	7-7-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.13	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.29	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 144 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=153(LC 11)
Max Uplift 2=-227(LC 12), 8=-227(LC 12)
Max Grav 2=1280(LC 1), 8=1280(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2230/337, 4-5=-1605/299, 5-6=-1605/299, 6-8=-2230/337
BOT CHORD 2-12=-205/1987, 11-12=-207/1984, 10-11=-207/1984, 8-10=-205/1987
WEBS 5-11=-55/737, 6-11=-689/163, 6-10=0/270, 4-11=-689/163, 4-12=0/270

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=227, 8=227.
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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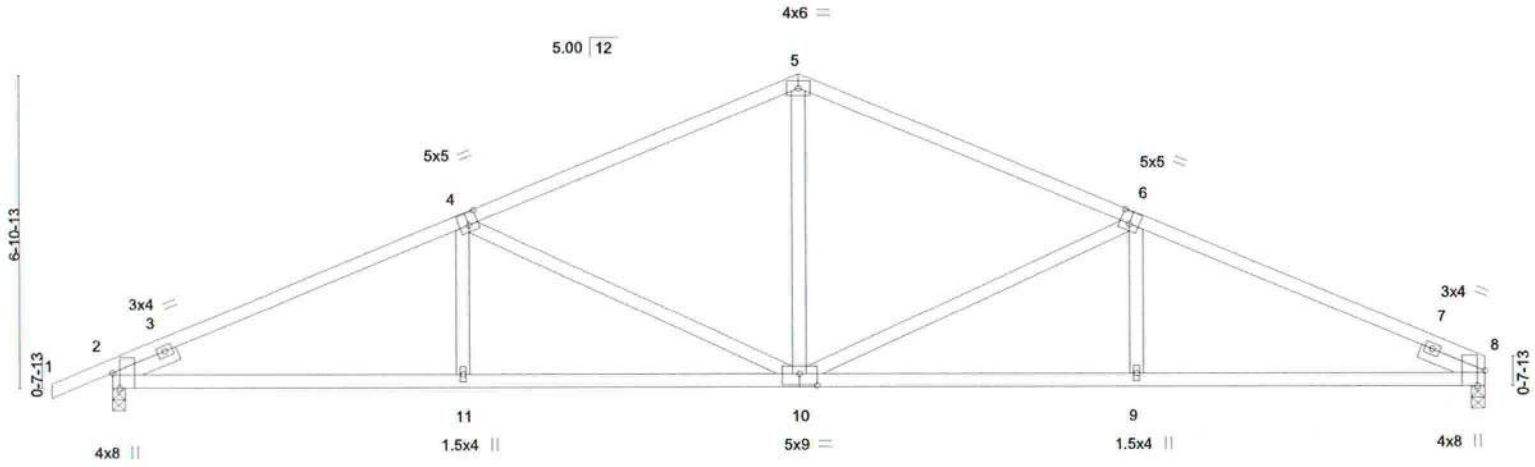
Job	Truss	Truss Type	Qty	Ply	Aasheim T22689991
AASHEIM	T13	Common	5	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Feb 2 08:26:09 2021 Page 1
ID:mDEucwlxTWTACL24ilcvVmyCQ2b-L13rUt8XY2C6KgbjfbIcr?sx9Opq4HhMkKYT1kzpEHy

-1-4-0	7-7-12	15-0-0	22-4-4	30-0-0
1-4-0	7-7-12	7-4-4	7-4-4	7-7-12

Scale = 1:50.7



7-7-12	15-0-0	22-4-4	30-0-0
7-7-12	7-4-4	7-4-4	7-7-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.13	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.29	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 142 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=151(LC 11)
Max Uplift 2=-228(LC 12), 8=-170(LC 12)
Max Grav 2=1282(LC 1), 8=1198(LC 1)

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

TOP CHORD	2-4=-2234/340, 4-5=-1609/301, 5-6=-1610/301, 6-8=-2245/346
BOT CHORD	2-11=-237/1991, 10-11=-239/1988, 9-10=-247/1999, 8-9=-244/2002
WEBS	5-10=-58/742, 6-10=-702/171, 6-9=0/271, 4-10=-689/163, 4-11=0/270

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=228, 8=170.
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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February 2,2021

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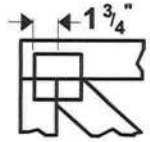
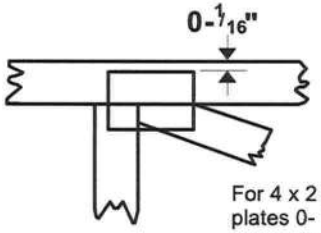
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

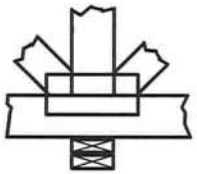
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

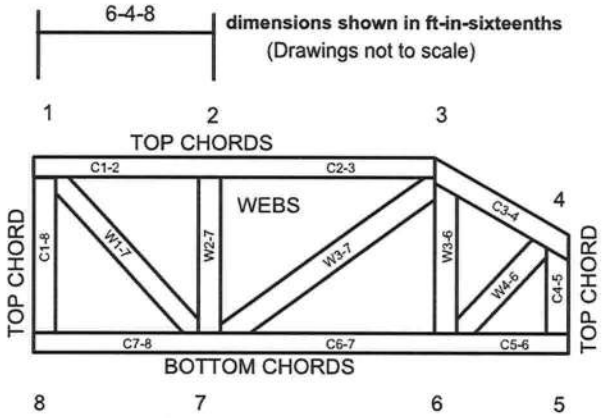


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek®

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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