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

RE: Lot_22_Rose_Pointe - Lot 22 Rose Pointe

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

Site Information:

Customer Info: SCCI Project Name: ROSE POINTE Model: .
Lot/Block: LOT 22 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
Wind Code: ASCE 7-16
Roof Load: 40.0 psf

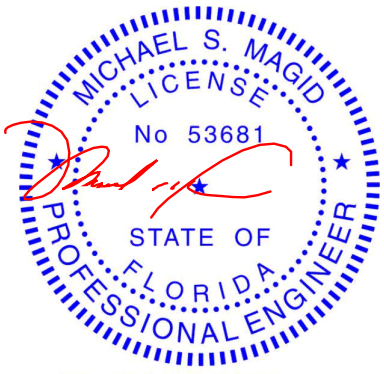
Design Program: MiTek 20/20 8.4
Wind Speed: 130 mph
Floor Load: N/A psf

This package includes 32 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	T23680311	A01	4/26/21	23	T23680333	G1GE	4/26/21
2	T23680312	A02	4/26/21	24	T23680334	G02	4/26/21
3	T23680313	A03	4/26/21	25	T23680335	J01	4/26/21
4	T23680314	B01	4/26/21	26	T23680336	J02	4/26/21
5	T23680315	B02	4/26/21	27	T23680337	J03	4/26/21
6	T23680316	B03	4/26/21	28	T23680338	J04	4/26/21
7	T23680317	B04	4/26/21	29	T23680339	J05	4/26/21
8	T23680318	B05	4/26/21	30	T23680340	J06	4/26/21
9	T23680319	B06	4/26/21	31	T23680341	J07	4/26/21
10	T23680320	B07	4/26/21	32	T23680342	J08	4/26/21
11	T23680321	B08	4/26/21				
12	T23680322	B09	4/26/21				
13	T23680323	B10	4/26/21				
14	T23680324	C01	4/26/21				
15	T23680325	C02	4/26/21				
16	T23680326	C03	4/26/21				
17	T23680327	C04	4/26/21				
18	T23680328	CJ01	4/26/21				
19	T23680329	CJ02	4/26/21				
20	T23680330	D1GE	4/26/21				
21	T23680331	D02	4/26/21				
22	T23680332	D03	4/26/21				

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: Magid, Michael
My license renewal date for the state of Florida is February 28, 2023.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 26,2021

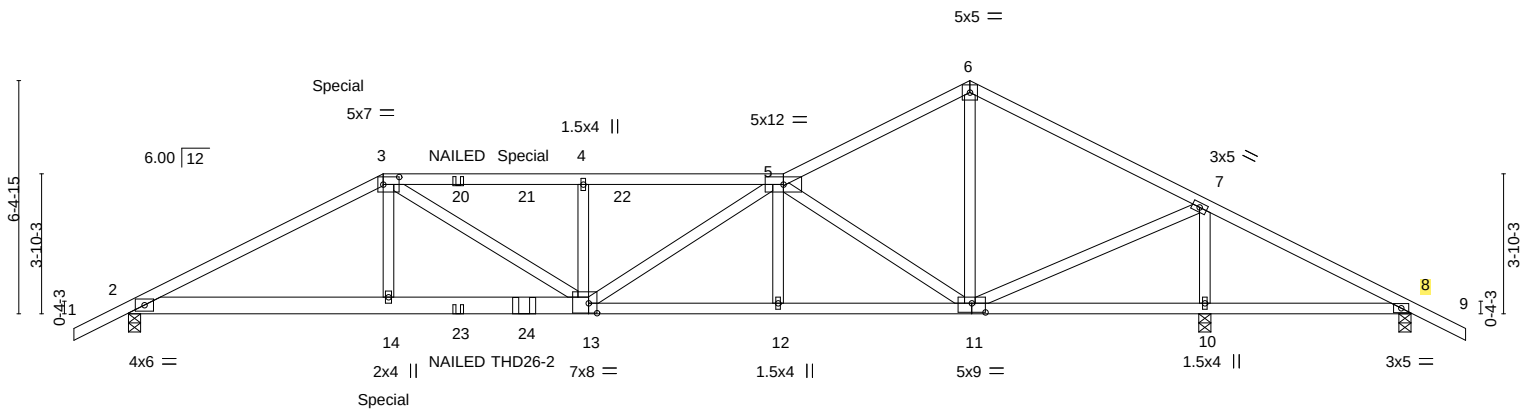
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	A01	Roof Special Girder	1	2	T23680311
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:20 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-e0_vktya9v?GlFf9X9wKU9H0sMUYLS860zHzC3zO9AP

-1-6-0	7-0-0	12-6-0	18-0-0	23-1-8	29-7-0	35-3-0	36-9-0
1-6-0	7-0-0	5-6-0	5-6-0	5-1-8	6-5-8	5-8-0	1-6-0

Scale = 1:63.3



7-0-0	12-6-0	18-0-0	23-1-8	29-7-0	35-3-0
7-0-0	5-6-0	5-6-0	5-1-8	6-5-8	5-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.15	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.29	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 377 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-13: 2x6 SP SS
WEBS 2x4 SP No.2

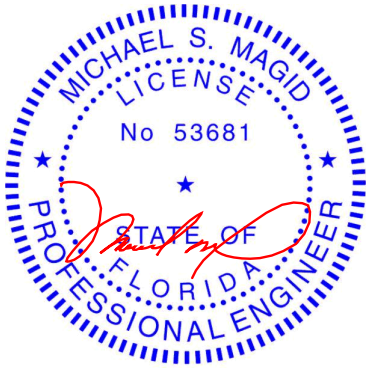
REACTIONS. (size) 2=0-4-0, 10=0-4-0, 8=0-4-0
Max Horz 2=122(LC 24)
Max Uplift 8=-916(LC 17)
Max Grav 2=2502(LC 1), 10=3405(LC 1)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5054/0, 3-4=-5150/0, 4-5=-5124/0, 5-6=-1104/0, 6-7=-1145/0, 7-8=0/2353
BOT CHORD 2-14=0/4443, 13-14=0/4499, 12-13=0/3573, 11-12=0/3571, 10-11=-2022/0, 8-10=-2022/0
WEBS 3-14=0/1144, 3-13=0/779, 4-13=-627/15, 5-11=-3202/0, 6-11=0/632, 7-11=0/3242, 7-10=-3231/0, 5-13=0/1899

NOTES- Continued on page 2
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) 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 916 lb uplift at joint 8.
10) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 10-10-8 from the left end to connect truss(es) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 273 lb down and 35 lb up at 7-0-0, and 286 lb down at 10-10-8 on top chord, and 366 lb down and 91 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 5-6=-60, 6-9=-60, 2-17=-20
   Concentrated Loads (lb)
   Vert: 3=-201(B) 14=-366(B) 20=-125(B) 21=-246(B) 23=-62(B) 24=-1138(B)

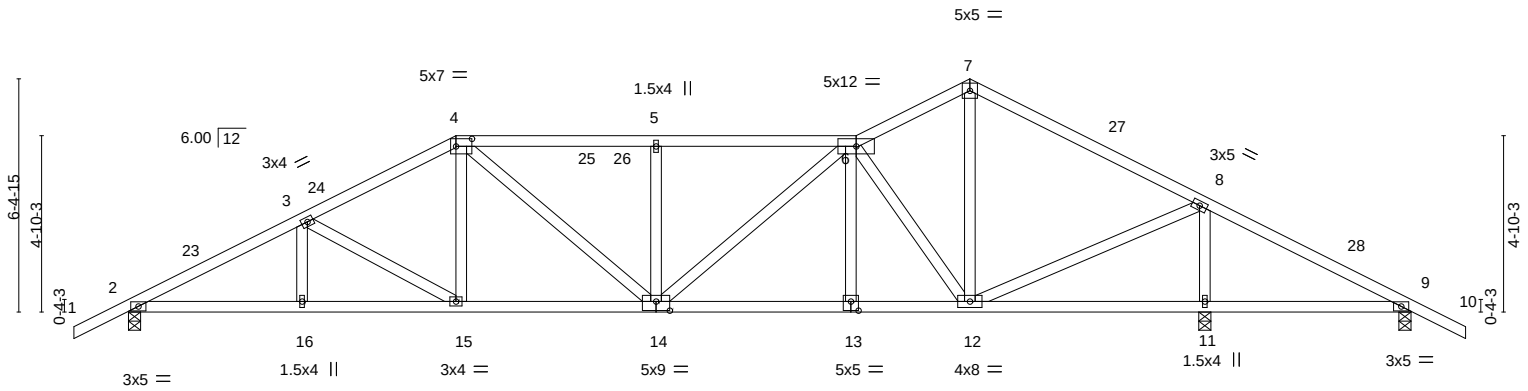
Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	A02	Roof Special	1	1	T23680312
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:23 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-3bg1Mu_TRqNrciNkCIU16ovbQZZiYn1ZixWdpOzO9AM

-1-6-0	4-9-4	9-0-0	14-6-0	20-0-0	23-1-8	29-7-0	35-3-0	36-9-0
1-6-0	4-9-4	4-2-12	5-6-0	5-6-0	3-1-8	6-5-8	5-8-0	1-6-0

Scale = 1:63.3



4-9-4	9-0-0	14-6-0	20-0-0	23-1-8	29-7-0	35-3-0
4-9-4	4-2-12	5-6-0	5-6-0	3-1-8	6-5-8	5-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.09	14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.19	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 194 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.

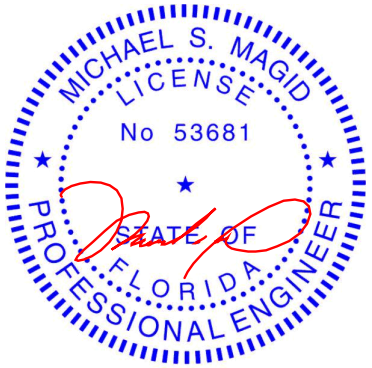
REACTIONS. (size) 2=0-4-0, 11=0-4-0, 9=0-4-0
Max Horz 2=-122(LC 10)
Max Uplift 2=-40(LC 12), 9=-234(LC 21)
Max Grav 2=1197(LC 1), 11=1882(LC 1), 9=94(LC 22)

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

TOP CHORD	2-3=-2079/107, 3-4=-1715/124, 4-5=-1713/139, 5-6=-1713/139, 6-7=-818/122, 7-8=-881/112, 8-9=-25/850
BOT CHORD	2-16=-45/1812, 15-16=-45/1812, 14-15=0/1491, 13-14=0/1355, 12-13=0/1352, 11-12=-684/78, 9-11=-684/78
WEBS	3-15=-379/59, 4-15=0/337, 4-14=-17/288, 5-14=-369/93, 6-14=-18/497, 6-12=-1150/89, 7-12=-9/463, 8-12=-8/1512, 8-11=-1723/140

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=35ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-0-5, Interior(1) 2-0-5 to 9-0-0, Exterior(2R) 9-0-0 to 12-6-5, Interior(1) 12-6-5 to 23-1-8, Exterior(2R) 23-1-8 to 26-7-13, Interior(1) 26-7-13 to 36-9-0 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 40 lb uplift at joint 2 and 234 lb uplift at joint 9.
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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

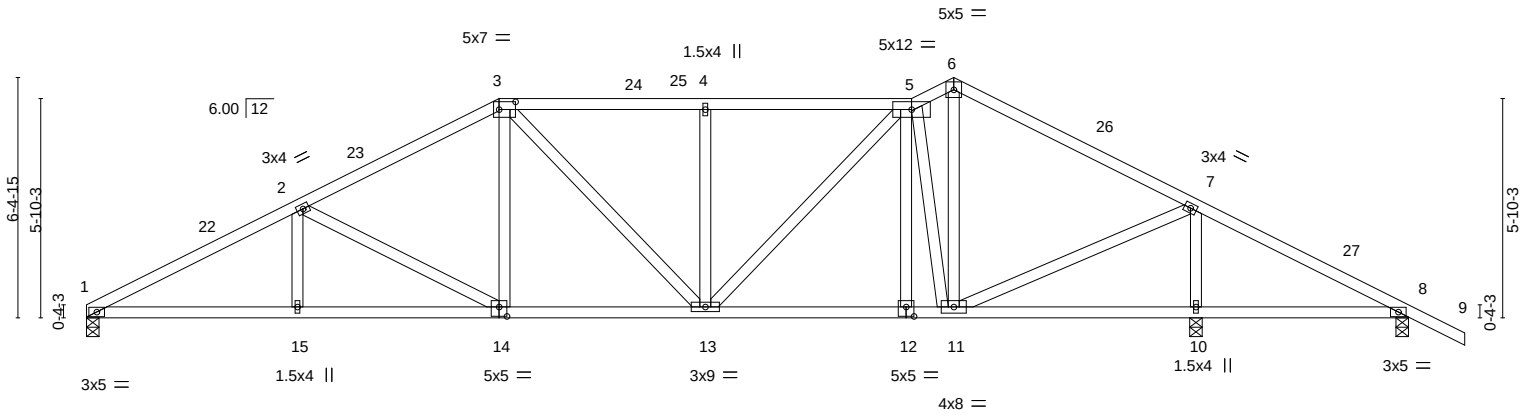
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	A03	Roof Special	1	1	T23680313
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:25 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-?_nona0jzRdZs0X6KjWVBD_xfNCv0hurAF?ktHzO9AK

5-7-8	11-0-0	16-6-0	22-0-0	23-1-8	29-7-0	35-3-0	36-9-0
5-7-8	5-4-8	5-6-0	5-6-0	1-1-8	6-5-8	5-8-0	1-6-0

Scale = 1:61.4



5-7-8	11-0-0	16-6-0	22-0-0	23-1-8	29-7-0	35-3-0
5-7-8	5-4-8	5-6-0	5-6-0	1-1-8	6-5-8	5-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.08	14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.17	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 201 lb	FT = 20%

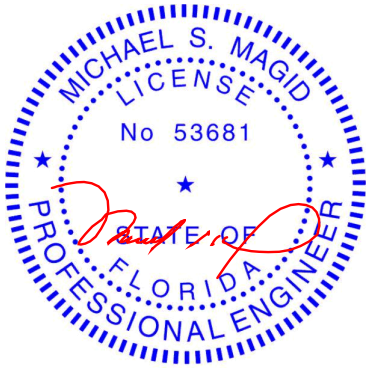
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 1=0-4-0, 10=0-4-0, 8=0-4-0
Max Horz 1=-118(LC 10)
Max Uplift 1=-1(LC 12), 8=-162(LC 21)
Max Grav 1=1120(LC 1), 10=1789(LC 1), 8=142(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2096/121, 2-3=-1614/140, 3-4=-1409/148, 4-5=-1409/148, 5-6=-837/125, 6-7=-953/109, 7-8=-21/678
BOT CHORD 1-15=-29/1837, 14-15=-29/1837, 13-14=0/1373, 12-13=0/966, 11-12=0/965, 10-11=-545/68, 8-10=-545/68
WEBS 2-14=-526/72, 3-14=0/397, 4-13=-368/92, 5-13=-26/661, 5-11=-1040/67, 6-11=-14/575, 7-11=-6/1417, 7-10=-1634/142

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-6-5, Interior(1) 3-6-5 to 11-0-0, Exterior(2R) 11-0-0 to 14-6-5, Interior(1) 14-6-5 to 23-1-8, Exterior(2R) 23-1-8 to 26-7-13, Interior(1) 26-7-13 to 36-9-0 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 1 lb uplift at joint 1 and 162 lb uplift at joint 8.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

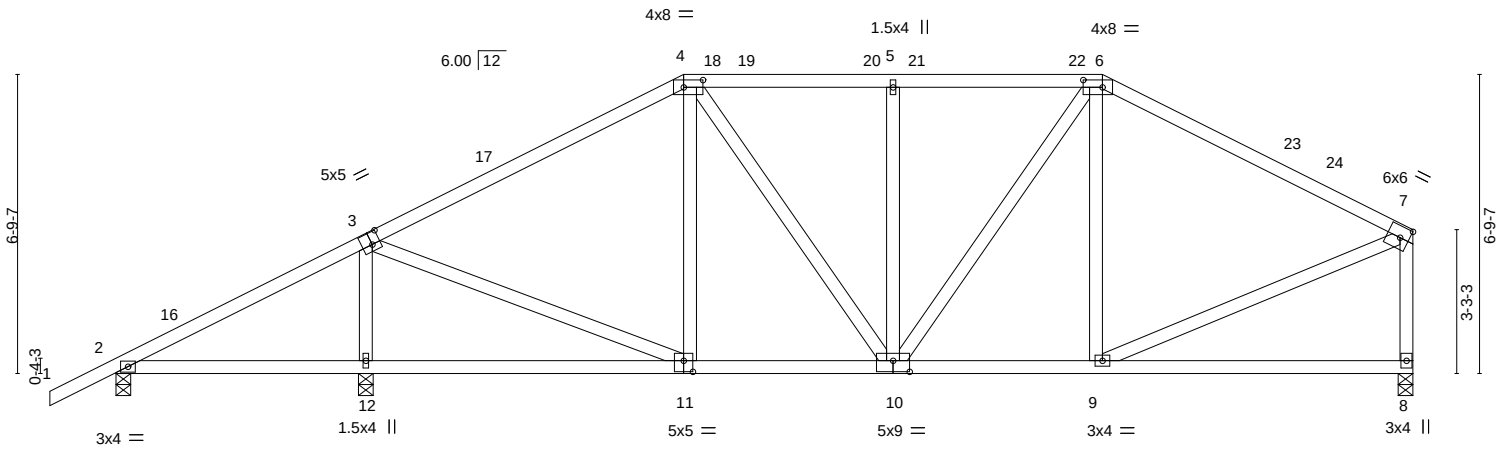
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B01	Hip	1	1	T23680314
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:26 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-TALA?w0LklIQTA6JtQ1kkQX7pnaylEs?OukHPjzO9AJ

-1-6-0 | 5-8-0 | 12-10-8 | 17-7-8 | 22-4-8 | 29-5-0
1-6-0 | 5-8-0 | 7-2-8 | 4-9-0 | 4-9-0 | 7-0-8

Scale = 1:52.3



5-8-0 | 12-10-8 | 17-7-8 | 22-4-8 | 29-5-0
5-8-0 | 7-2-8 | 4-9-0 | 4-9-0 | 7-0-8

Plate Offsets (X,Y)-- [3:0-2-4,0-3-4], [4:0-5-4,0-2-0], [6:0-5-4,0-2-0], [10:0-4-8,0-3-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.49	Vert(LL)	-0.06	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC	0.40	Vert(CT)	-0.13	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.21	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-AS							Weight: 174 lb	FT = 20%

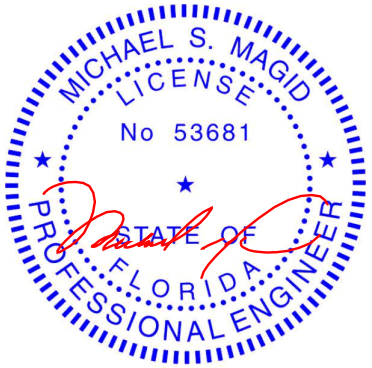
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 12=0-4-0, 8=0-4-0
Max Horz 2=160(LC 11)
Max Uplift 2=-40(LC 12)
Max Grav 2=258(LC 21), 12=1252(LC 1), 8=926(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-902/98, 4-5=-842/120, 5-6=-842/120, 6-7=-909/94, 7-8=-856/80
BOT CHORD 10-11=-38/713, 9-10=-36/726
WEBS 3-12=-1098/152, 3-11=-6/767, 4-10=-12/288, 5-10=-287/57, 6-10=-23/272, 7-9=-10/719

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 12-10-8, Exterior(2R) 12-10-8 to 17-1-7, Interior(1) 17-1-7 to 22-4-8, Exterior(2R) 22-4-8 to 26-7-7, Interior(1) 26-7-7 to 29-3-4 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 40 lb uplift at joint 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

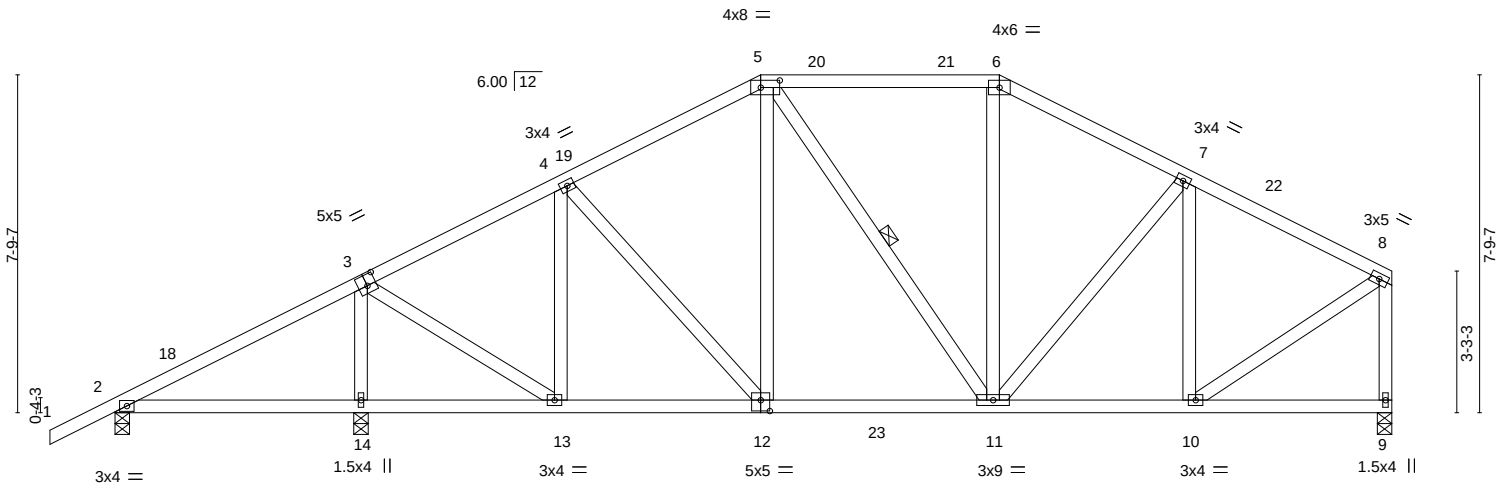
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B02	Hip	1	1	T23680315
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:29 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-ul1Jdy3E1g8?KdruZYbRM39h1_dtybnR5szy02zO9AG

-1-6-0	5-8-0	10-3-4	14-10-8	20-4-8	24-9-0	29-5-0
1-6-0	5-8-0	4-7-4	4-7-4	5-6-0	4-4-8	4-8-0

Scale = 1:53.1



5-8-0	10-3-4	14-10-8	20-4-8	24-9-0	29-5-0
5-8-0	4-7-4	4-7-4	5-6-0	4-4-8	4-8-0

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

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.30	Vert(LL)	-0.04	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC	0.32	Vert(CT)	-0.08	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.20	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-AS							Weight: 187 lb	FT = 20%

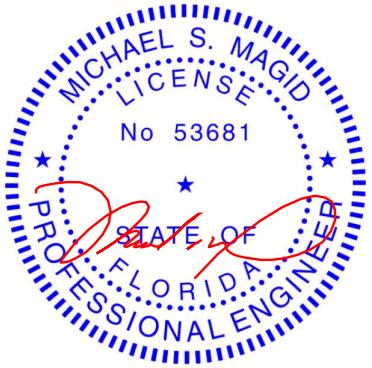
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 14=0-4-0, 9=0-4-0
Max Horz 2=178(LC 11)
Max Uplift 2=-44(LC 12), 9=-1(LC 12)
Max Grav 2=252(LC 21), 14=1459(LC 17), 9=1025(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-823/90, 4-5=-910/125, 5-6=-788/133, 6-7=-922/126, 7-8=-882/88, 8-9=-950/66
BOT CHORD 12-13=-55/729, 11-12=-36/804, 10-11=-47/735
WEBS 3-14=-1234/122, 3-13=-28/916, 4-13=-368/69, 7-10=-336/74, 8-10=-27/834

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 14-10-8, Exterior(2R) 14-10-8 to 19-1-7, Interior(1) 19-1-7 to 20-4-8, Exterior(2R) 20-4-8 to 24-9-0, Interior(1) 24-9-0 to 29-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 2 and 1 lb uplift at joint 9.
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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B03	Hip	1	1	T23680316
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:31 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-q8832d4UZHOjax_GgzdvRUE0BoIFQWVkYAS25wzO9AE

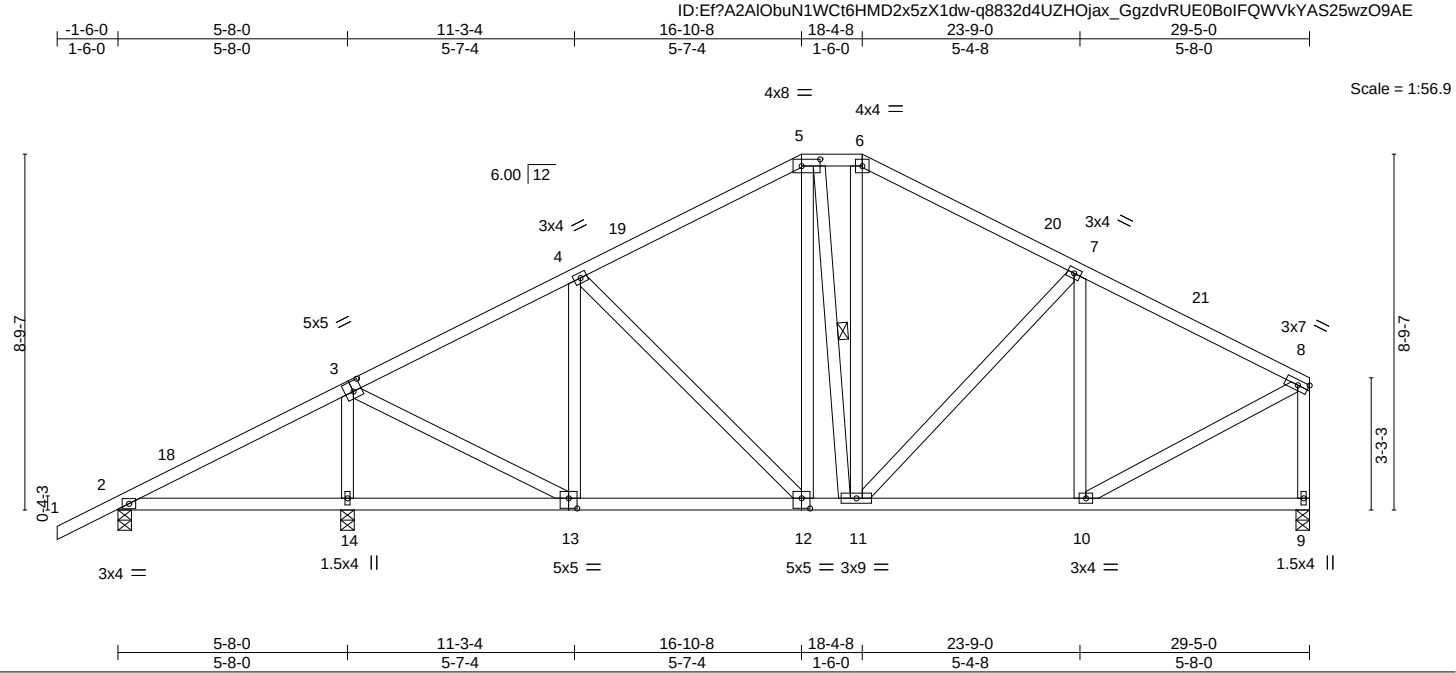


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-8,0-2-0], [12:0-2-8,0-3-0], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.03	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.07	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 197 lb	FT = 20%

LUMBER-

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

BRACING-

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

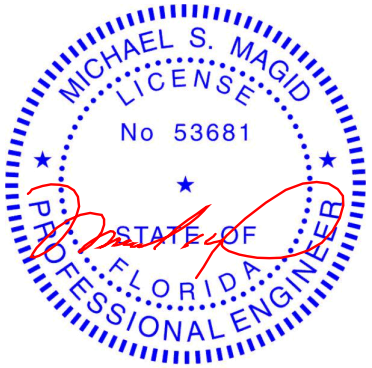
REACTIONS. (size) 2=0-4-0, 14=0-4-0, 9=0-4-0
Max Horz 2=195(LC 11)
Max Uplift 2=-41(LC 12)
Max Grav 2=254(LC 21), 14=1266(LC 1), 9=923(LC 1)

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

TOP CHORD	3-4=-827/86, 4-5=-797/129, 5-6=-638/137, 6-7=-794/126, 7-8=-859/84, 8-9=-871/65
BOT CHORD	12-13=-47/680, 11-12=-17/639, 10-11=-41/710
WEBS	3-14=-1125/120, 3-13=-18/825, 4-13=-289/80, 7-10=-254/84, 8-10=-17/768

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 16-10-8, Exterior(2E) 16-10-8 to 18-4-8, Exterior(2R) 18-4-8 to 22-7-7, Interior(1) 22-7-7 to 29-3-4 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 41 lb uplift at joint 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

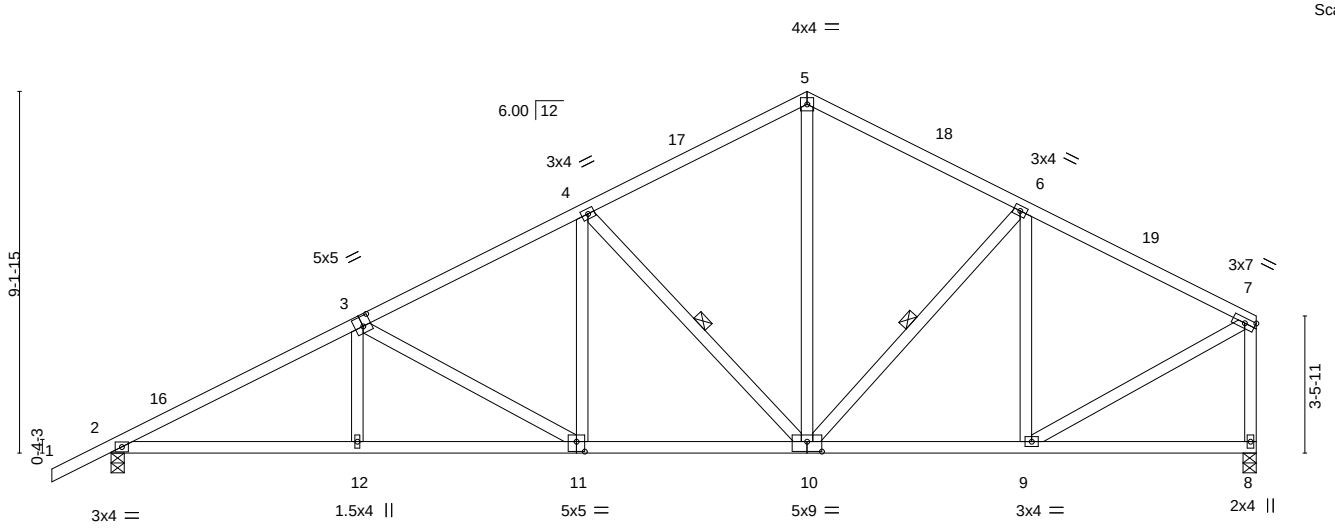
Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B04	Common	2	1	T23680317
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:34 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-EjqBgf7MsCmHROjrL6Ac36sWG?HidpCAE8hihFzO9AB

-1-6-0	6-2-13	11-11-3	17-7-8	23-2-0	29-0-0
1-6-0	6-2-13	5-8-5	5-8-5	5-6-8	5-10-0

Scale = 1:58.3



6-2-13	11-11-3	17-7-8	23-2-0	29-0-0
6-2-13	5-8-5	5-8-5	5-6-8	5-10-0

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

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.34	Vert(LL)	-0.07	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC	0.54	Vert(CT)	-0.15	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.38	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-AS							Weight: 175 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-10, 6-10

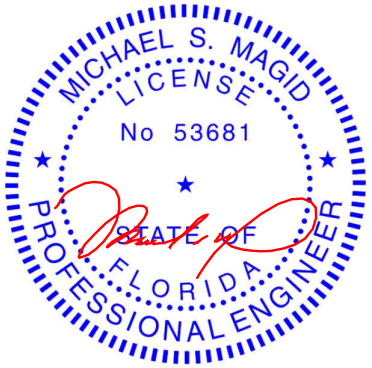
REACTIONS. (size) 2=0-4-0, 8=0-4-0
Max Horz 2=203(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1247(LC 1), 8=1152(LC 1)

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

TOP CHORD	2-3=-2123/75, 3-4=-1620/114, 4-5=-1098/147, 5-6=-1098/138, 6-7=-1077/95, 7-8=-1096/86
BOT CHORD	2-12=-133/1837, 11-12=-135/1834, 10-11=-93/1372, 9-10=-61/902
WEBS	3-11=-526/50, 4-11=0/426, 4-10=-678/78, 5-10=-23/594, 6-9=-380/93, 7-9=-38/994

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 17-7-8, Exterior(2R) 17-7-8 to 20-7-8, Interior(1) 20-7-8 to 28-10-4 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 37 lb uplift at joint 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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B05	Hip	1	1	T23680318
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:36 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-A5yy5L8dNq0?gitETWD48Xxs?pyN5d_TiSApm8zO9A9

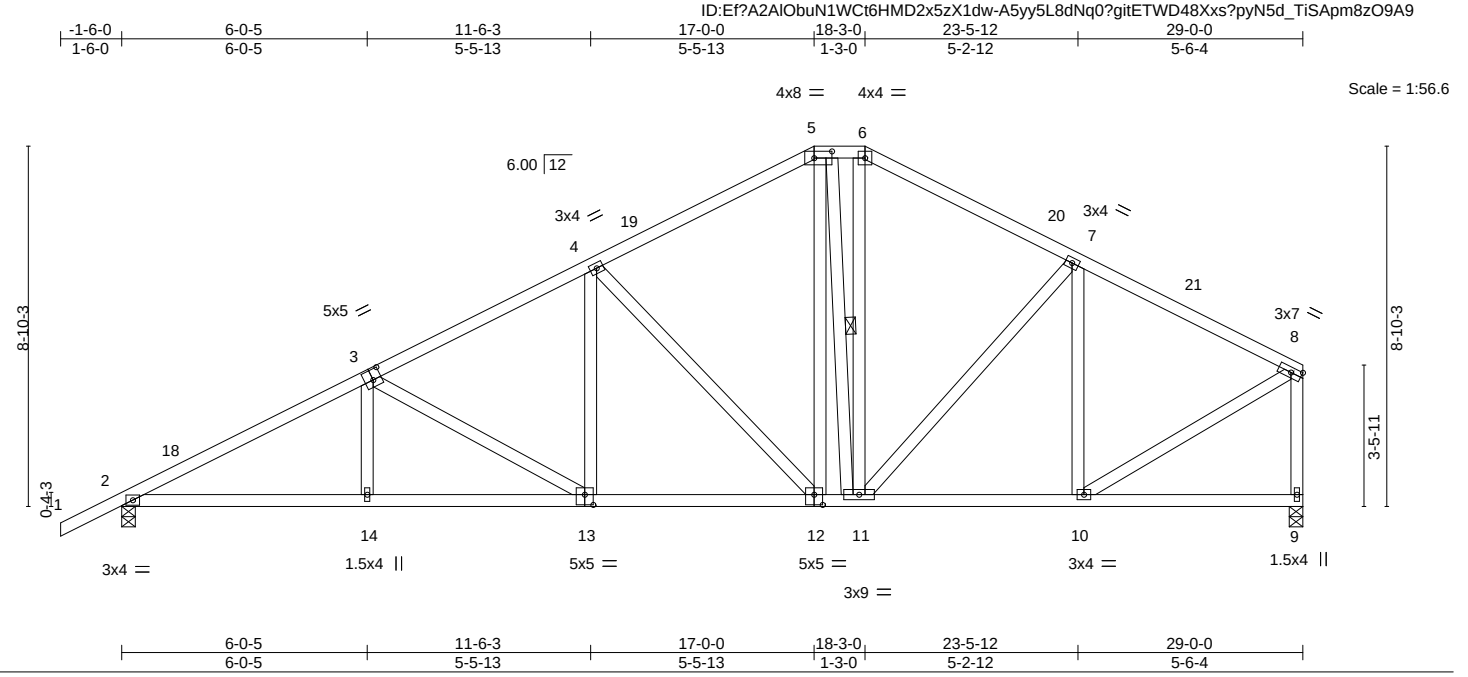


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-0], [12:0-2-8,0-3-0], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.07	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.16	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 197 lb	FT = 20%

LUMBER-

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

BRACING-

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

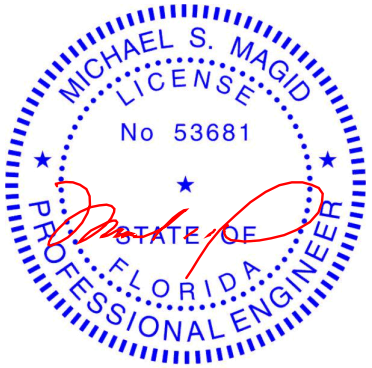
REACTIONS. (size) 2=0-4-0, 9=0-4-0
Max Horz 2=198(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1247(LC 1), 9=1152(LC 1)

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

TOP CHORD	2-3=-2132/57, 3-4=-1653/97, 4-5=-1145/133, 5-6=-922/139, 6-7=-1105/129, 7-8=-1054/88, 8-9=-1099/76
BOT CHORD	2-14=-122/1847, 13-14=-123/1843, 12-13=-86/1405, 11-12=-37/951, 10-11=-54/885
WEBS	3-13=-501/44, 4-13=0/417, 4-12=-661/72, 5-12=-5/515, 5-11=-337/29, 6-11=-25/325, 7-10=-407/91, 8-10=-31/994

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 17-0-0, Exterior(2E) 17-0-0 to 18-3-0, Exterior(2R) 18-3-0 to 22-5-15, Interior(1) 22-5-15 to 28-10-4 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 37 lb uplift at joint 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

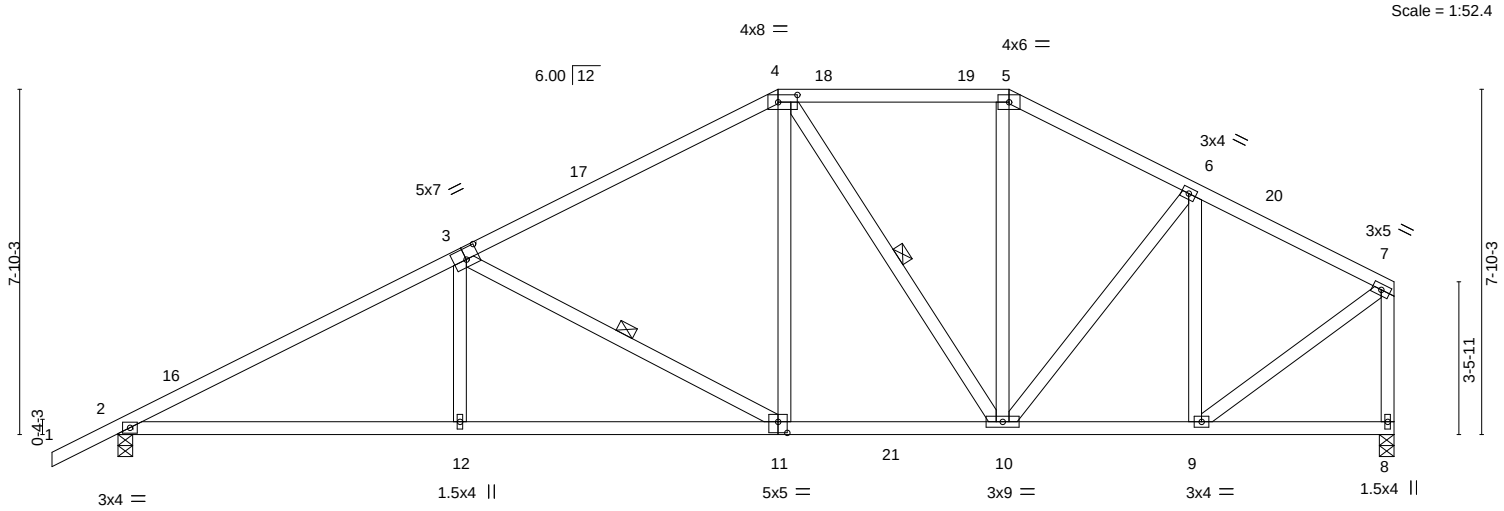
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B06	Hip	1	1	T23680319
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:39 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-bgd4jMBVglOaXAcp8fmnmAZKl0wAl5AvOQOTNTzO9A6

-1-6-0	7-9-4	15-0-0	20-3-0	24-5-12	29-0-0
1-6-0	7-9-4	7-2-12	5-3-0	4-2-12	4-6-4

Scale = 1:52.4



7-9-4	15-0-0	20-3-0	24-5-12	29-0-0
7-9-4	7-2-12	5-3-0	4-2-12	4-6-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.13	12-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.26	12-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 175 lb	FT = 20%

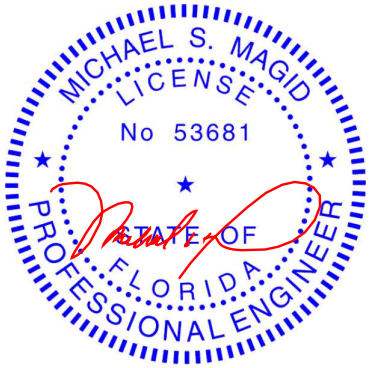
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-11, 4-10

REACTIONS. (size) 2=0-4-0, 8=0-4-0
Max Horz 2=181(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1378(LC 17), 8=1257(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2260/79, 3-4=-1494/124, 4-5=-1040/137, 5-6=-1201/131, 6-7=-1051/92, 7-8=-1185/78
BOT CHORD 2-12=-132/2058, 11-12=-134/2052, 10-11=-65/1306, 9-10=-60/903
WEBS 3-12=0/323, 3-11=-853/79, 4-11=0/657, 4-10=-419/27, 5-10=0/305, 6-10=-5/277, 6-9=-497/85, 7-9=-41/1075

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-0-0, Exterior(2R) 15-0-0 to 19-2-15, Interior(1) 19-2-15 to 20-3-0, Exterior(2R) 20-3-0 to 24-5-12, Interior(1) 24-5-12 to 28-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B07	Half Hip	1	1	T23680320

Job Reference (optional)

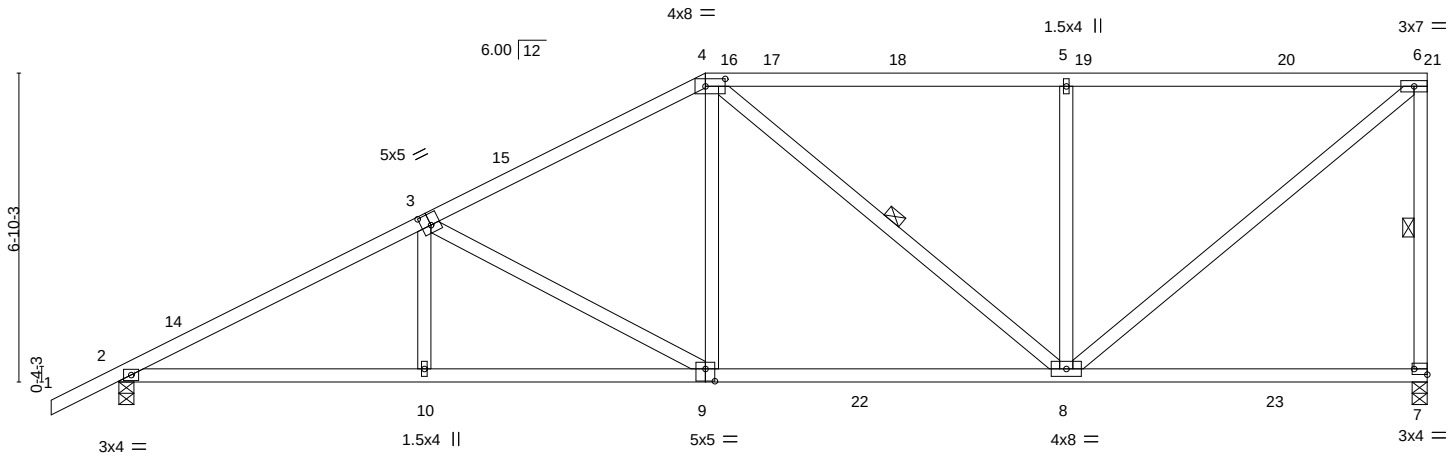
Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:40 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-3tBTxiB7R2WR9JB?iMH0IN6U8QHb1Tz3c481vvzO9A5

-1-6-0 | 6-9-4 | 13-0-0 | 21-0-0 | 29-0-0

1-6-0 | 6-9-4 | 6-2-12 | 8-0-0 | 8-0-0

Scale = 1:51.1



6-9-4 | 13-0-0 | 21-0-0 | 29-0-0

6-9-4 | 6-2-12 | 8-0-0 | 8-0-0

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

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plate Grip DOL 1.25	TC 0.63	Vert(LL) -0.15 8-9 >999 240	MT20 244/190
TCDL 10.0		Lumber DOL 1.25	BC 0.76	Vert(CT) -0.28 8-9 >999 180	
BCLL 0.0	*	Rep Stress Incr YES	WB 0.62	Horz(CT) 0.06 7 n/a n/a	
BCDL 10.0		Code FBC2020/TPI2014	Matrix-AS		Weight: 163 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-7, 4-8

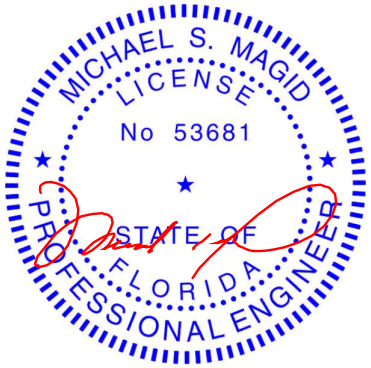
REACTIONS. (size) 7=0-4-0, 2=0-4-0
Max Horz 2=207(LC 11)
Max Uplift 7=-1(LC 12), 2=-35(LC 12)
Max Grav 7=1330(LC 17), 2=1396(LC 17)

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

TOP CHORD	2-3=-2353/62, 3-4=-1730/100, 4-5=-1215/109, 5-6=-1215/109, 6-7=-1169/101
BOT CHORD	2-10=-218/2128, 9-10=-219/2122, 8-9=-155/1519
WEBS	3-10=0/260, 3-9=-692/73, 4-9=0/628, 4-8=-354/61, 5-8=-549/124, 6-8=-81/1562

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-0-0, Exterior(2R) 13-0-0 to 17-2-15, Interior(1) 17-2-15 to 28-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 7 and 35 lb uplift at joint 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

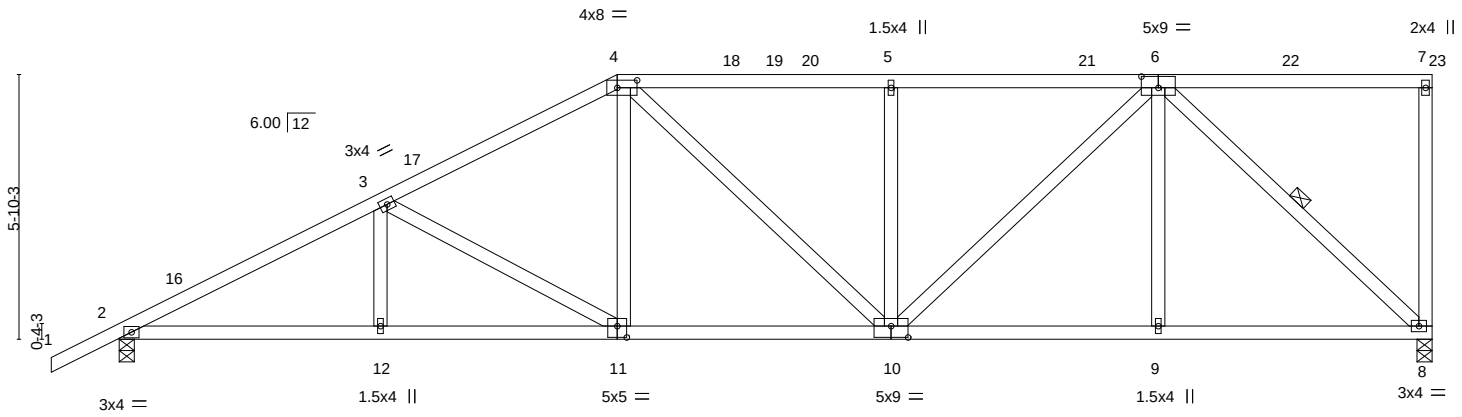
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B08	Half Hip	1	1	T23680321
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:43 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-TStbZkE0kzu00nvaNVrjw0k32dMLEtsVJ2MhWEzO9A2

-1-6-0	5-9-4	11-0-0	17-0-9	22-11-7	29-0-0
1-6-0	5-9-4	5-2-12	6-0-9	5-10-13	6-0-9

Scale = 1:50.9



5-9-4	11-0-0	17-0-9	22-11-7	29-0-0
5-9-4	5-2-12	6-0-9	5-10-13	6-0-9

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [6:0-4-8,0-3-0], [10:0-4-8,0-3-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.33	Vert(LL)	-0.08	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC	0.50	Vert(CT)	-0.17	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.42	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-AS							Weight: 169 lb	FT = 20%

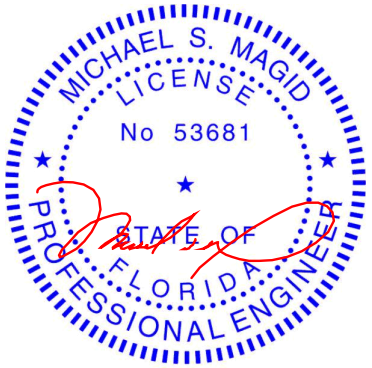
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 8=0-4-0, 2=0-4-0
Max Horz 2=177(LC 11)
Max Uplift 8=-1(LC 12), 2=-35(LC 12)
Max Grav 8=1152(LC 1), 2=1247(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2148/58, 3-4=-1681/94, 4-5=-1486/105, 5-6=-1486/105
BOT CHORD 2-12=-204/1865, 11-12=-204/1865, 10-11=-149/1436, 9-10=-85/1018, 8-9=-85/1018
WEBS 3-11=-491/62, 4-11=0/408, 5-10=-375/89, 6-10=-46/644, 6-9=0/250, 6-8=-1371/62

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 28-10-4 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 1 lb uplift at joint 8 and 35 lb uplift at joint 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

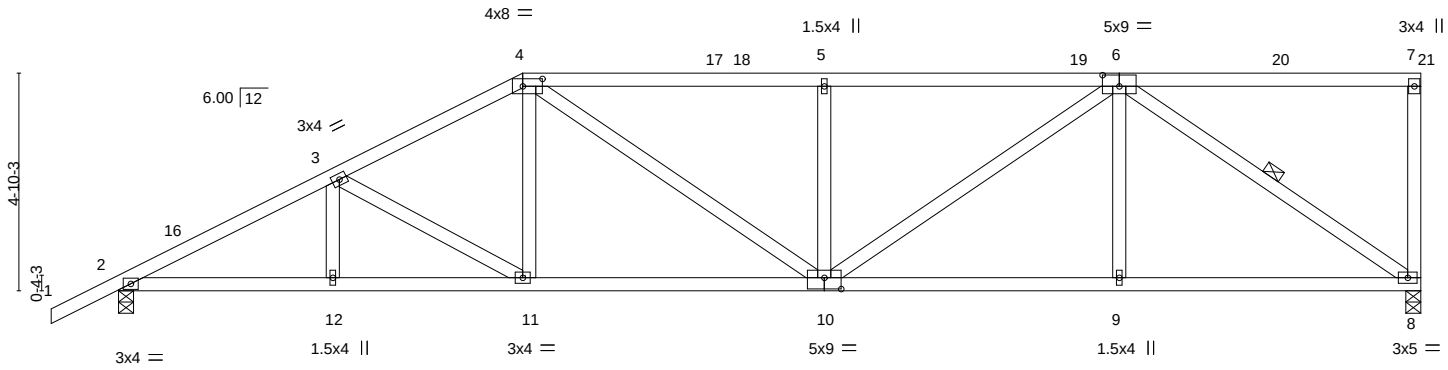
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B09	Half Hip	1	1	T23680322
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:46 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-u1YkBmGu1uHatEe92dOQYeMZ2rO0RDix?0bL7ZzO9A?

-1-6-0 | 4-9-4 | 9-0-0 | 15-8-9 | 22-3-7 | 29-0-0
1-6-0 | 4-9-4 | 4-2-12 | 6-8-9 | 6-6-13 | 6-8-9

Scale = 1:51.3



4-9-4 | 9-0-0 | 15-8-9 | 22-3-7 | 29-0-0
4-9-4 | 4-2-12 | 6-8-9 | 6-6-13 | 6-8-9

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.09	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.22	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 160 lb	FT = 20%

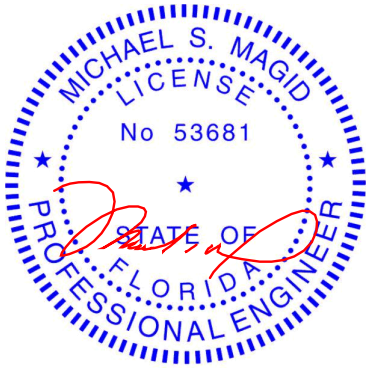
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 8=0-4-0, 2=0-4-0
Max Horz 2=147(LC 11)
Max Uplift 2=-36(LC 12)
Max Grav 8=1152(LC 1), 2=1247(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2181/53, 3-4=-1832/86, 4-5=-1870/99, 5-6=-1870/99
BOT CHORD 2-12=-185/1901, 11-12=-185/1901, 10-11=-137/1600, 9-10=-81/1348, 8-9=-81/1348
WEBS 3-11=-356/54, 4-11=0/363, 4-10=-8/430, 5-10=-418/97, 6-10=-40/635, 6-9=0/277, 6-8=-1601/58

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 28-10-4 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 36 lb uplift at joint 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	B10	Half Hip Girder	1	2	T23680323

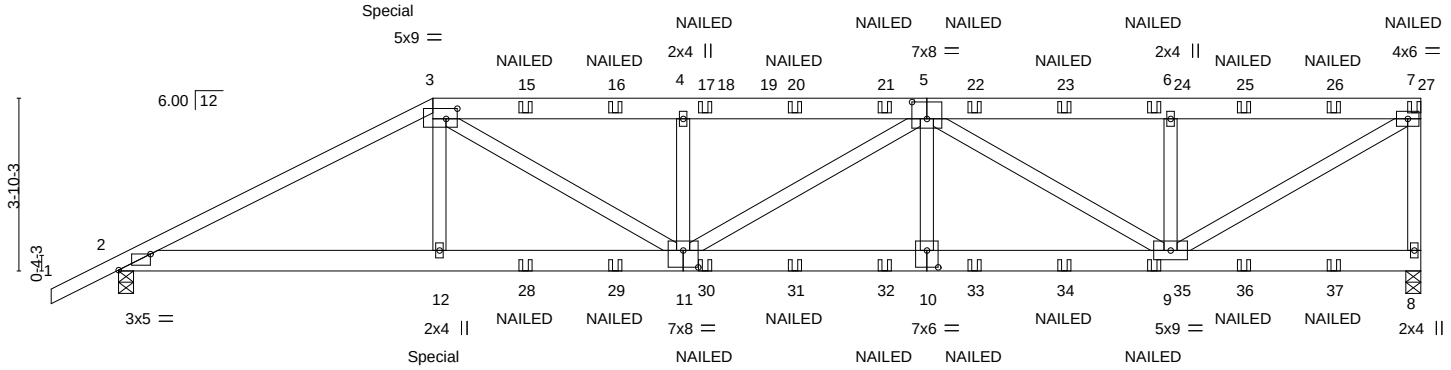
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:50 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-mooF17JP47n0LsxwHTTMiUWDkSk4N27XwdZZFKzO99x

-1-6-0	7-0-0	12-6-14	18-0-0	23-5-2	29-0-0
1-6-0	7-0-0	5-6-14	5-5-2	5-5-2	5-6-14

Scale = 1:51.3



7-0-0	12-6-14	18-0-0	23-5-2	29-0-0
7-0-0	5-6-14	5-5-2	5-5-2	5-6-14

Plate Offsets (X,Y)-- [2:0-8-8,Edge], [3:0-3-0,0-2-12], [5:0-4-0,0-4-8], [10:0-3-0,0-4-8], [11:0-4-0,0-4-8]

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	0.50	Vert(LL)	-0.12	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.24	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 381 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-

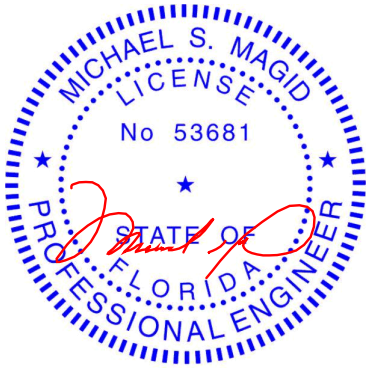
TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-4-0, 2=0-4-0
Max Horz 2=113(LC 24)
Max Uplift 8=-81(LC 8), 2=-98(LC 8)
Max Grav 8=2625(LC 1), 2=2376(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4680/147, 3-4=-5487/159, 4-5=-5483/158, 5-6=-3411/94, 6-7=-3411/94, 7-8=-2508/129
BOT CHORD 2-12=-107/4114, 11-12=-106/4142, 10-11=-97/5192, 9-10=-97/5192
WEBS 3-12=0/645, 3-11=-16/1676, 4-11=-780/165, 5-11=-29/344, 5-10=0/438, 5-9=-2099/51, 6-9=-713/172, 7-9=-70/3967

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) 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 81 lb uplift at joint 8 and 98 lb uplift at joint 2.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 255 lb down and 35 lb up at 7-0-0 on top chord, and 366 lb down and 91 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: April 26,2021

Continued on page 2

LOAD CASE(S) Standard

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

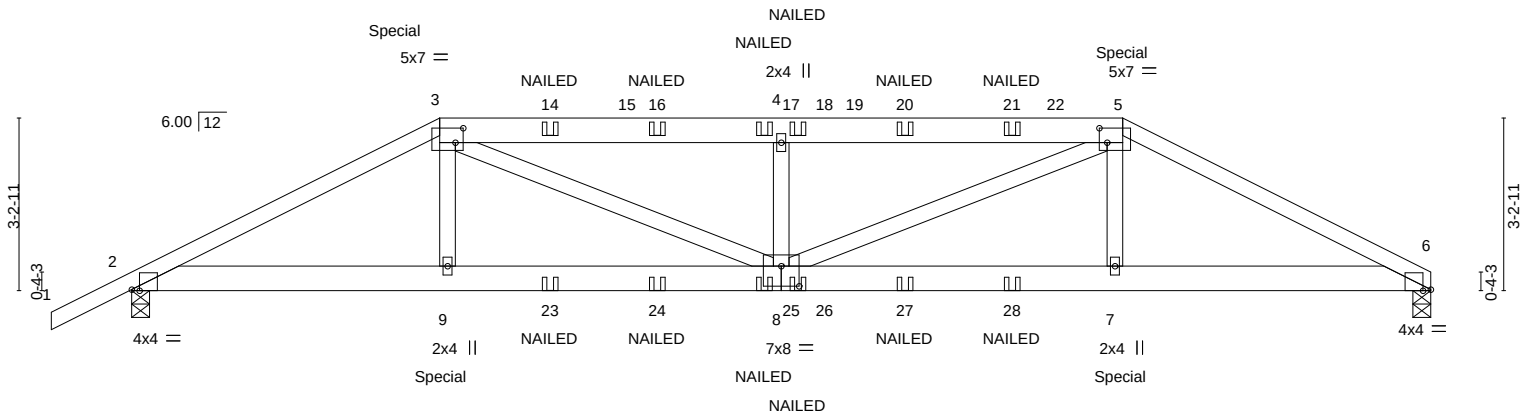
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-7=-60, 2-8=-20
   Concentrated Loads (lb)
   Vert: 3=-201(B) 7=-158(B) 12=-366(B) 15=-125(B) 16=-125(B) 17=-125(B) 20=-125(B) 21=-125(B) 22=-125(B) 23=-125(B) 24=-125(B) 25=-125(B) 26=-125(B) 28=-62(B) 29=-62(B) 30=-62(B) 31=-62(B) 32=-62(B) 33=-62(B) 34=-62(B) 35=-62(B) 36=-62(B) 37=-62(B)

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	C01	Hip Girder	1	2	T23680324
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:53 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-BNUNf9LHN29bCJgVzb03K78orfoZaSDzcbnDrfzO99u

-1-6-0	5-9-0	12-1-8	18-6-0	24-3-0
1-6-0	5-9-0	6-4-8	6-4-8	5-9-0

Scale = 1:43.0



5-9-0	12-1-8	18-6-0	24-3-0
5-9-0	6-4-8	6-4-8	5-9-0

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

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	0.25	Vert(LL)	-0.09	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.18	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.17	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 275 lb	FT = 20%

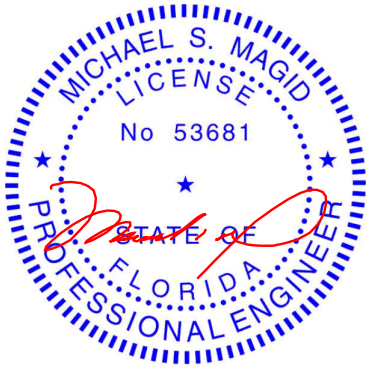
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
3-5: 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 6=0-4-0, 2=0-4-0
Max Horz 2=57(LC 7)
Max Uplift 6=-43(LC 8), 2=-83(LC 8)
Max Grav 6=1850(LC 1), 2=1945(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3800/102, 3-4=-4692/136, 4-5=-4693/136, 5-6=-3818/112
BOT CHORD 2-9=-39/3344, 8-9=-37/3373, 7-8=-47/3391, 6-7=-49/3361
WEBS 3-9=0/570, 3-8=-36/1505, 4-8=-897/189, 5-8=-37/1495, 5-7=0/584

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=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) 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 43 lb uplift at joint 6 and 83 lb uplift at joint 2.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 231 lb down and 27 lb up at 5-9-0, and 231 lb down and 27 lb up at 18-6-0 on top chord, and 315 lb down and 78 lb up at 5-9-0, and 315 lb down and 78 lb up at 18-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

LOAD CASE(S) Standard

April 26,2021

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

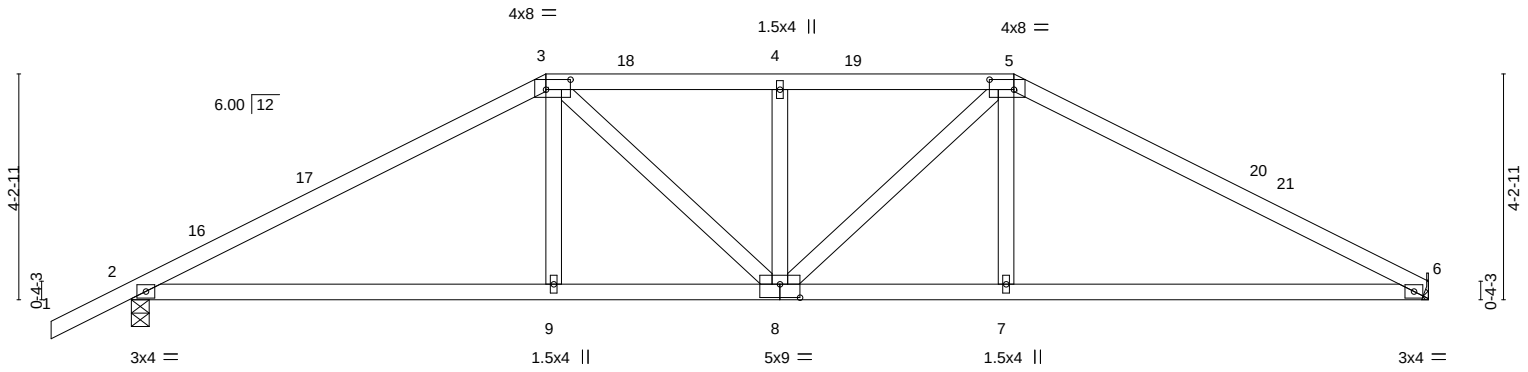
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 5-6=-60, 2-6=-20
   Concentrated Loads (lb)
   Vert: 3=-161(F) 5=-161(F) 9=-315(F) 7=-315(F) 14=-88(F) 16=-88(F) 17=-88(F) 18=-88(F) 20=-88(F) 21=-88(F) 23=-47(F) 24=-47(F) 25=-47(F) 26=-47(F) 27=-47(F) 28=-47(F)

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	C02	Hip	1	1	T23680325
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:55 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-7lb84rNXvfPJSdqt403XPYE0nTQH2NHG3vGKwXzO99s

-1-6-0 | 7-9-0 | 12-1-8 | 16-6-0 | 24-3-0
1-6-0 | 7-9-0 | 4-4-8 | 4-4-8 | 7-9-0

Scale = 1:43.1



7-9-0 | 12-1-8 | 16-6-0 | 24-3-0
7-9-0 | 4-4-8 | 4-4-8 | 7-9-0

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

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.73	Vert(LL)	-0.11	7-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC	0.69	Vert(CT)	-0.26	7-12	>999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.07	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-AS							Weight: 110 lb	FT = 20%

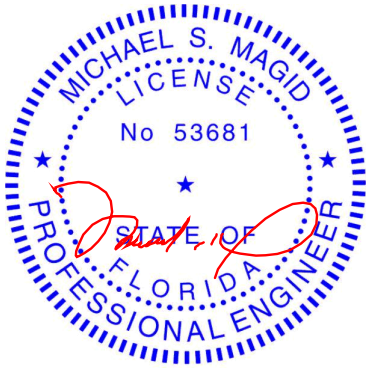
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 6=Mechanical, 2=0-4-0
Max Horz 2=74(LC 11)
Max Uplift 2=-38(LC 12)
Max Grav 6=967(LC 1), 2=1063(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1620/93, 3-4=-1489/115, 4-5=-1489/115, 5-6=-1610/97
BOT CHORD 2-9=-12/1367, 8-9=-9/1374, 7-8=-7/1385, 6-7=-9/1377
WEBS 3-9=0/300, 3-8=-26/284, 5-8=-30/278, 5-7=0/302

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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-9-0, Exterior(2R) 7-9-0 to 12-1-8, Interior(1) 12-1-8 to 16-6-0, Exterior(2R) 16-6-0 to 20-8-15, Interior(1) 20-8-15 to 24-3-0 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 38 lb uplift at joint 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

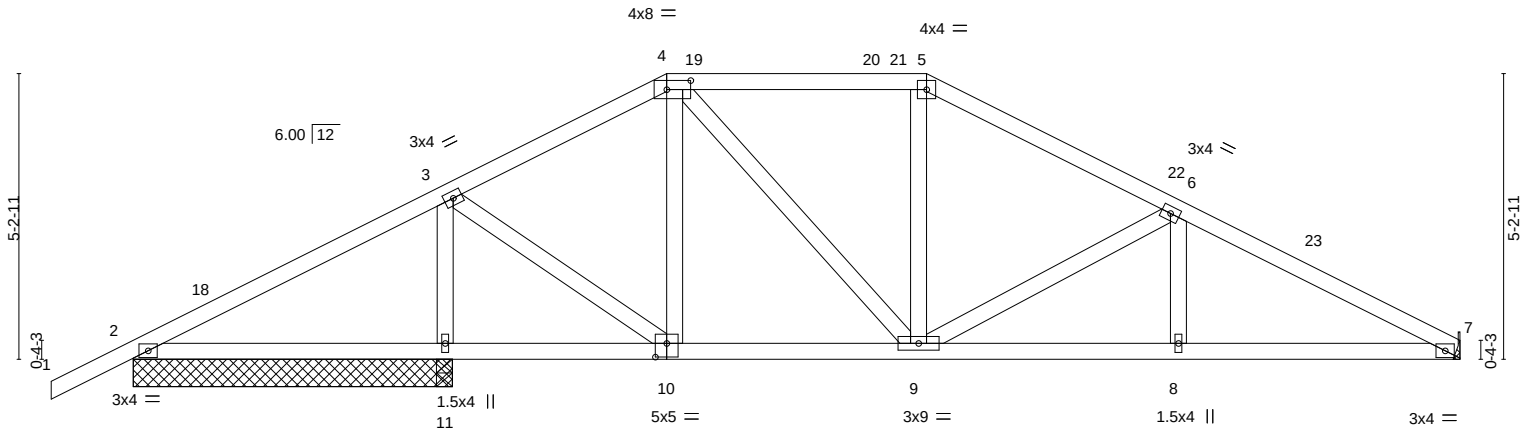
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	C03	Hip	1	1	T23680326
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:57 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-38juVWOoRHf0hx_GCR5?UzJTpHAvWFBZXDlQ_QzO99q

-1-6-0	5-8-7	9-9-0	14-6-0	19-1-4	24-3-0
1-6-0	5-8-7	4-0-9	4-9-0	4-7-4	5-1-12

Scale = 1:42.1



5-8-7	5-10-0	9-9-0	14-6-0	19-1-4	24-3-0
5-8-7	0-1-9	3-11-0	4-9-0	4-7-4	5-1-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.03	8-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.07	8-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 124 lb	FT = 20%

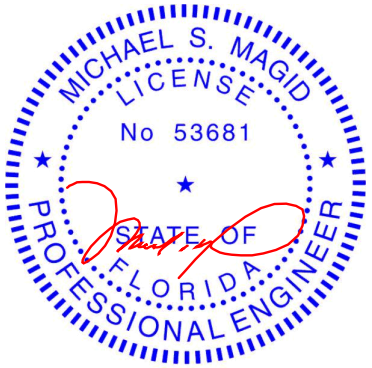
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. All bearings 5-10-0 except (jt=length) 7=Mechanical, 11=0-3-8, 11=0-3-8.
(lb) - Max Horz 2=91(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 7, 2
Max Grav All reactions 250 lb or less at joint(s) 2, 2 except 7=702(LC 1), 11=1128(LC 1), 11=1128(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4/276, 3-4=-484/85, 4-5=-634/105, 5-6=-775/94, 6-7=-1204/79
BOT CHORD 9-10=0/374, 8-9=-26/1043, 7-8=-26/1043
WEBS 3-11=-992/95, 3-10=0/675, 4-10=-326/46, 4-9=-21/404, 6-9=-468/60

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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-9-0, Exterior(2R) 9-9-0 to 13-11-15, Interior(1) 13-11-15 to 14-6-0, Exterior(2R) 14-6-0 to 18-8-15, Interior(1) 18-8-15 to 24-3-0 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, 2, 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	C04	Hip	1	1	T23680327
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:58 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-XKHGisPQCantJ4ZSl8cE1AsdTgVAFeyiltV_XszO99p

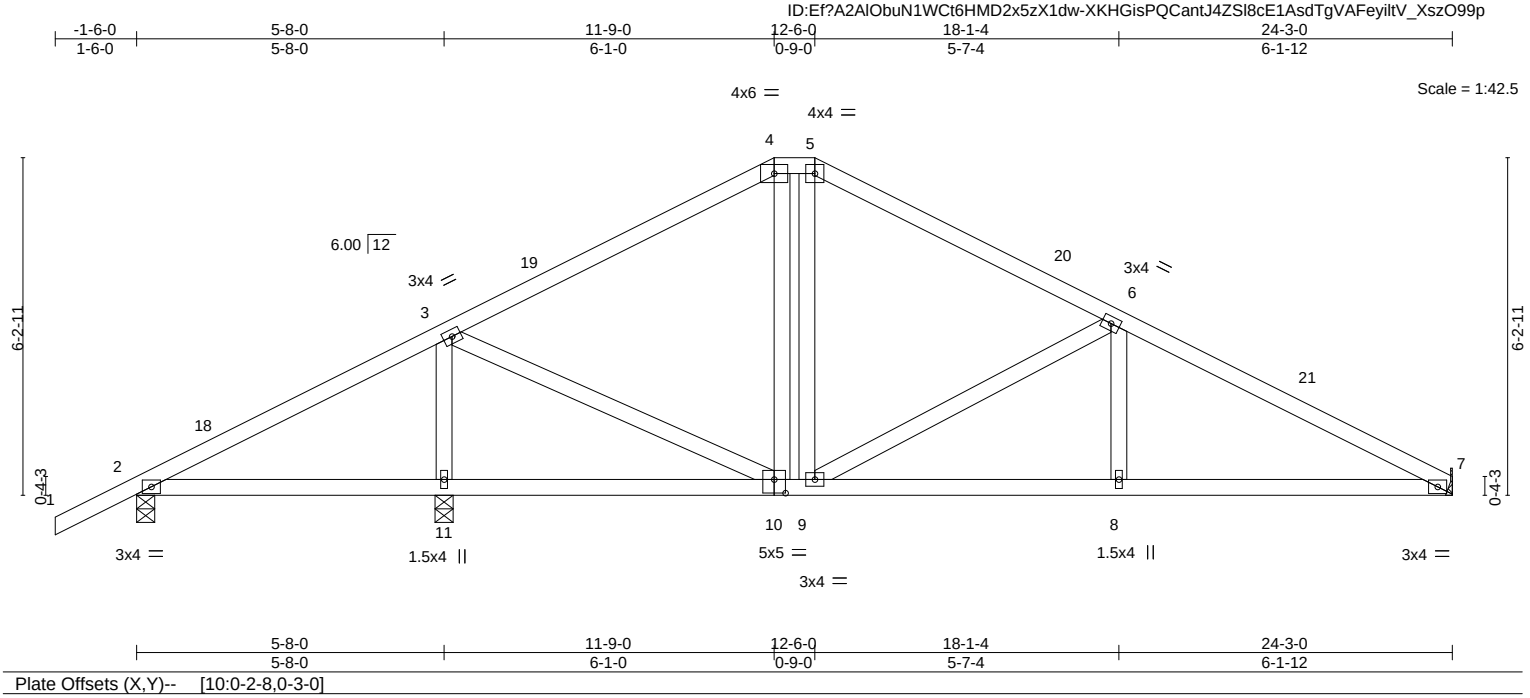


Plate Offsets (X,Y)-- [10:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.04	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.10	8-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 123 lb	FT = 20%

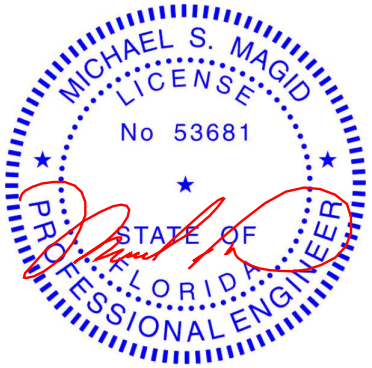
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 7=Mechanical, 2=0-4-0, 11=0-4-0
Max Horz 2=107(LC 11)
Max Uplift 2=-44(LC 12)
Max Grav 7=713(LC 1), 2=249(LC 21), 11=1086(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-631/88, 4-5=-485/101, 5-6=-626/86, 6-7=-1185/64
BOT CHORD 9-10=0/485, 8-9=-5/1020, 7-8=-5/1020
WEBS 3-11=-953/104, 3-10=0/640, 6-9=-624/70, 6-8=0/267

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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-9-0, Exterior(2E) 11-9-0 to 12-6-0, Exterior(2R) 12-6-0 to 16-8-15, Interior(1) 16-8-15 to 24-3-0 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) 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	CJ01	Diagonal Hip Girder	2	1	T23680328

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:20:59 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-?XrewCQ2zuvkxE7fJs7TaOOnD4pu_85s_XEX3IzO99o

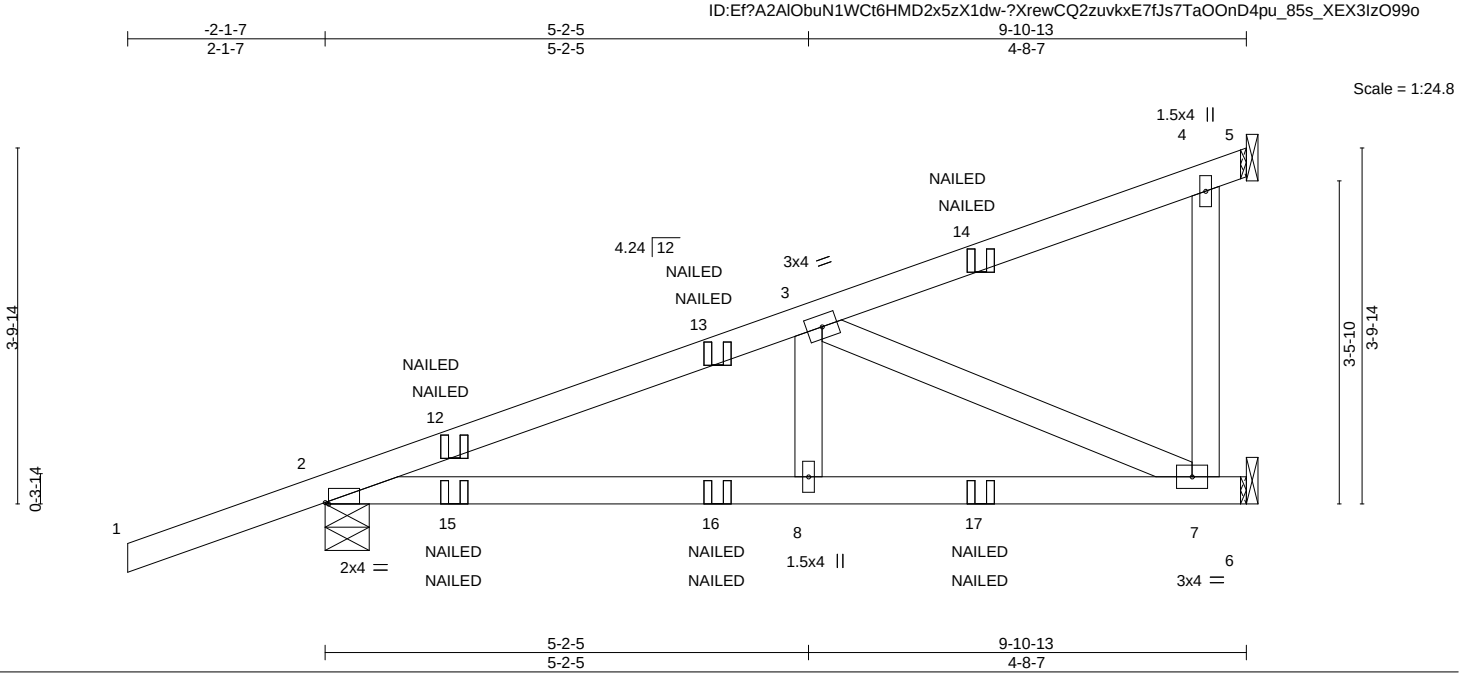


Plate Offsets (X,Y)-- [2:0-0-7,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.09	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 47 lb	FT = 20%

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

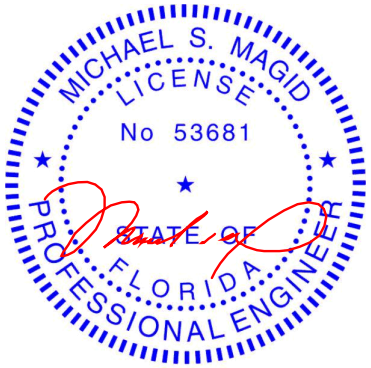
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-5-11, 6=Mechanical
Max Horz 2=111(LC 8)
Max Uplift 2=-97(LC 8), 6=-82(LC 8)
Max Grav 5=203(LC 3), 2=477(LC 1), 6=331(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-745/0
BOT CHORD 2-8=-35/675, 7-8=-35/675
WEBS 3-8=0/254, 3-7=-736/38

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 B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
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: 12=57(F=29, B=29) 14=-82(F=-41, B=-41) 15=61(F=31, B=31) 16=-7(F=-3, B=-3) 17=-59(F=-30, B=-30)



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

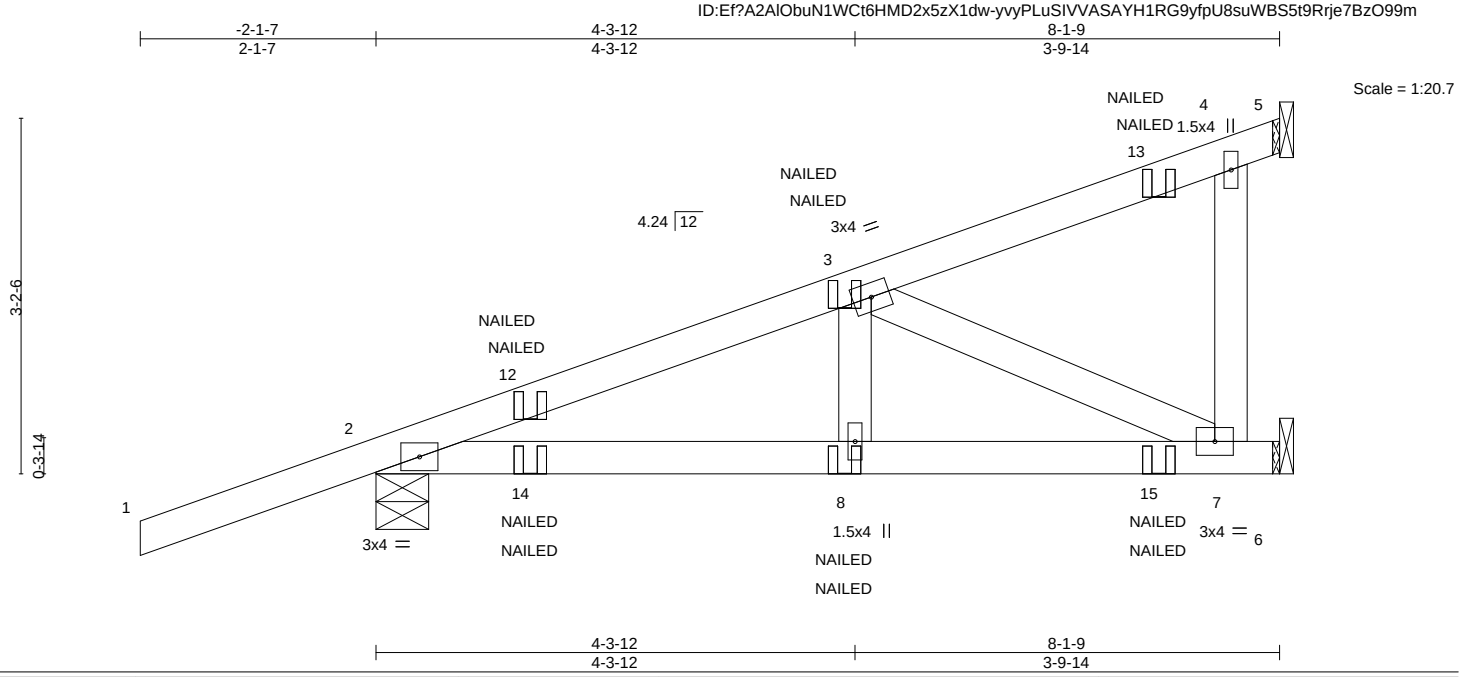
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	CJ02	Diagonal Hip Girder	2	1	T23680329

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:01 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-yvyPLuSlVVASAYH1RG9yfpU8suWBS5t9Rrje7BzO99m



LOADING (psf)		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)	-0.02	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.05	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-5-11, 6=Mechanical
Max Horz 2=96(LC 8)
Max Uplift 2=-99(LC 8), 6=-63(LC 8)
Max Grav 5=187(LC 3), 2=395(LC 1), 6=296(LC 1)

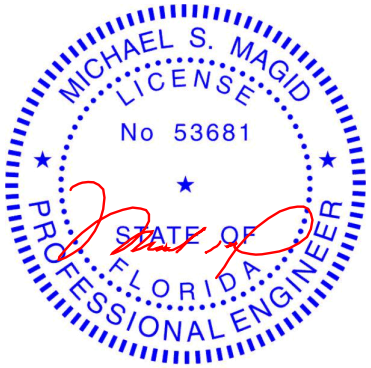
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-555/0
BOT CHORD 2-8=-31/489, 7-8=-31/489
WEBS 3-7=-538/34

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 B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
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: 8=-7(F=-3, B=-3) 12=57(F=29, B=29) 13=-112(F=-60, B=-53) 14=61(F=31, B=31) 15=-74(F=-40, B=-34)



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

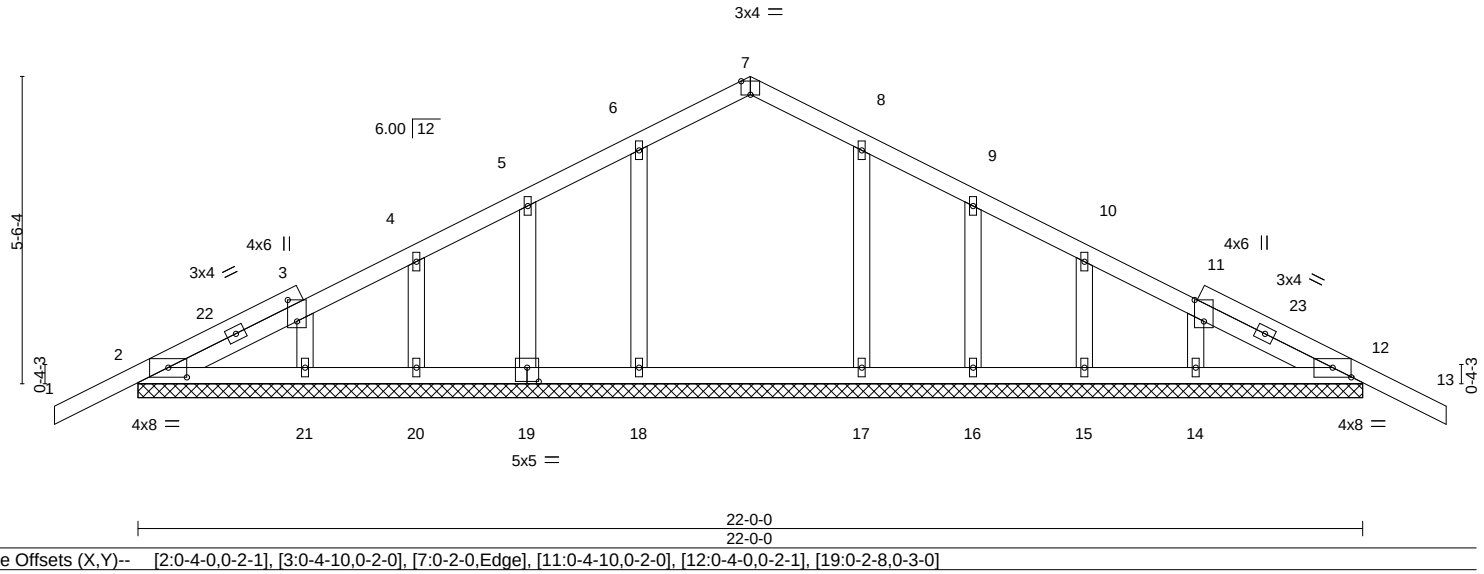
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	D1GE	Common Supported Gable	1	1	T23680330
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:09 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-jSRQ0dYJcyAK7nuavyJqzVpYU6J6Kj6KH5f3QjzO99e

-1-6-0 11-0-0 22-0-0 23-6-0
1-6-0 11-0-0 11-0-0 1-6-0

Scale = 1:41.4



22-0-0
22-0-0

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [3:0-4-10,0-2-0], [7:0-2-0,Edge], [11:0-4-10,0-2-0], [12:0-4-0,0-2-1], [19:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.14	Vert(LL)	-0.00	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC	0.14	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.05	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-S							Weight: 112 lb	FT = 20%

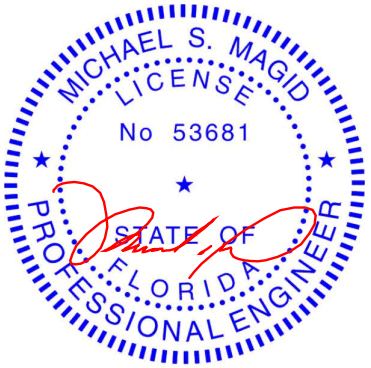
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 2=98(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 16, 15
Max Grav All reactions 250 lb or less at joint(s) 19, 20, 21, 16, 15, 14 except 2=258(LC 1), 12=259(LC 1), 18=304(LC 17), 17=297(LC 18)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 11-0-0, Corner(3R) 11-0-0 to 14-0-0, Exterior(2N) 14-0-0 to 23-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 19, 20, 16, 15.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

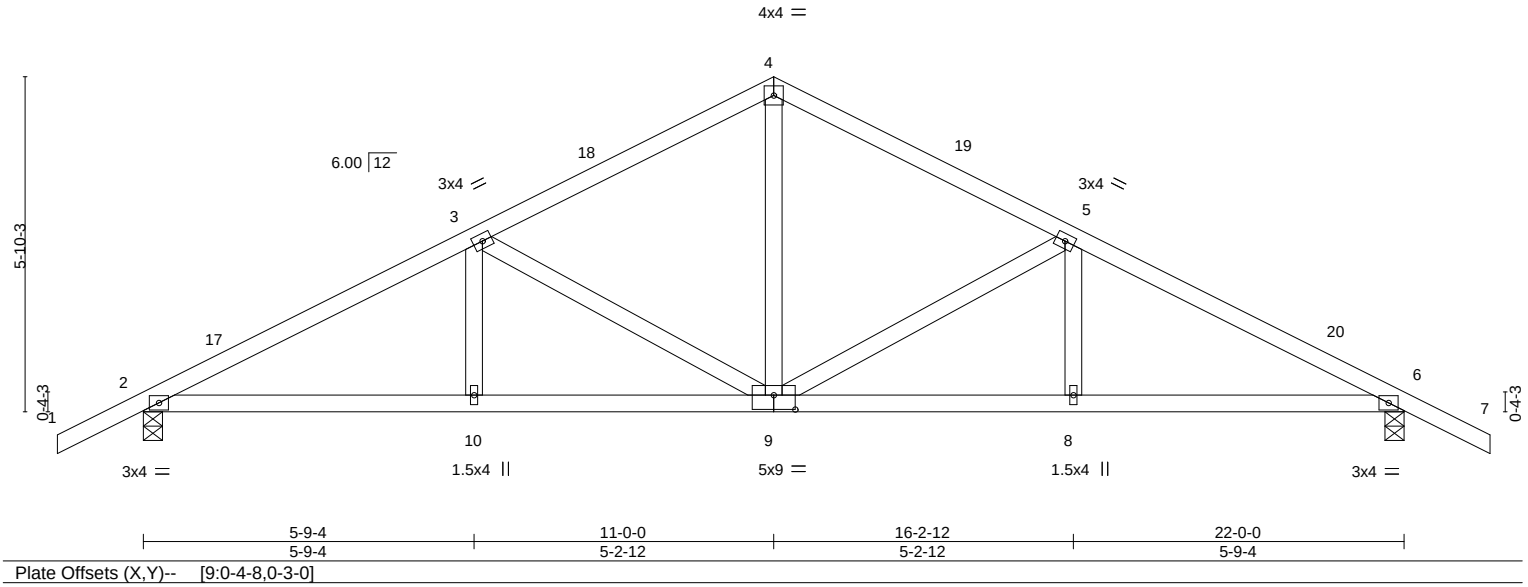
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	D02	Common	6	1	T23680331
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:02 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-Q6WnYESwGpIJoisD__hBB00K2IsKBV6IgVTBgdzO99l

-1-6-0	5-9-4	11-0-0	16-2-12	22-0-0	23-6-0
1-6-0	5-9-4	5-2-12	5-2-12	5-9-4	1-6-0

Scale = 1:40.2



5-9-4	11-0-0	16-2-12	22-0-0
5-9-4	5-2-12	5-2-12	5-9-4

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.05	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.11	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 107 lb	FT = 20%

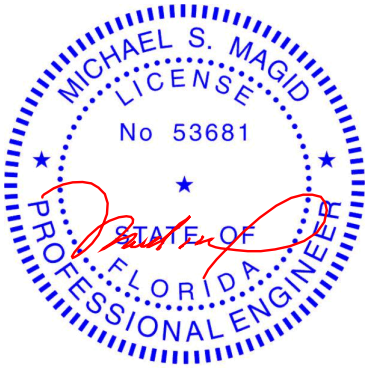
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=103(LC 11)
Max Uplift 2=-37(LC 12), 6=-37(LC 12)
Max Grav 2=970(LC 1), 6=970(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1546/128, 3-4=-1066/140, 4-5=-1066/140, 5-6=-1546/128
BOT CHORD 2-10=-27/1328, 9-10=-27/1328, 8-9=-40/1328, 6-8=-40/1328
WEBS 4-9=-14/595, 5-9=-520/88, 3-9=-520/88

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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 23-6-0 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) 2, 6.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	D03	Common	1	1	T23680332

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:06 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-ItmIObVRJ2olGJA?Dql7MsBwPvCu7CEub7RPpOzO99h

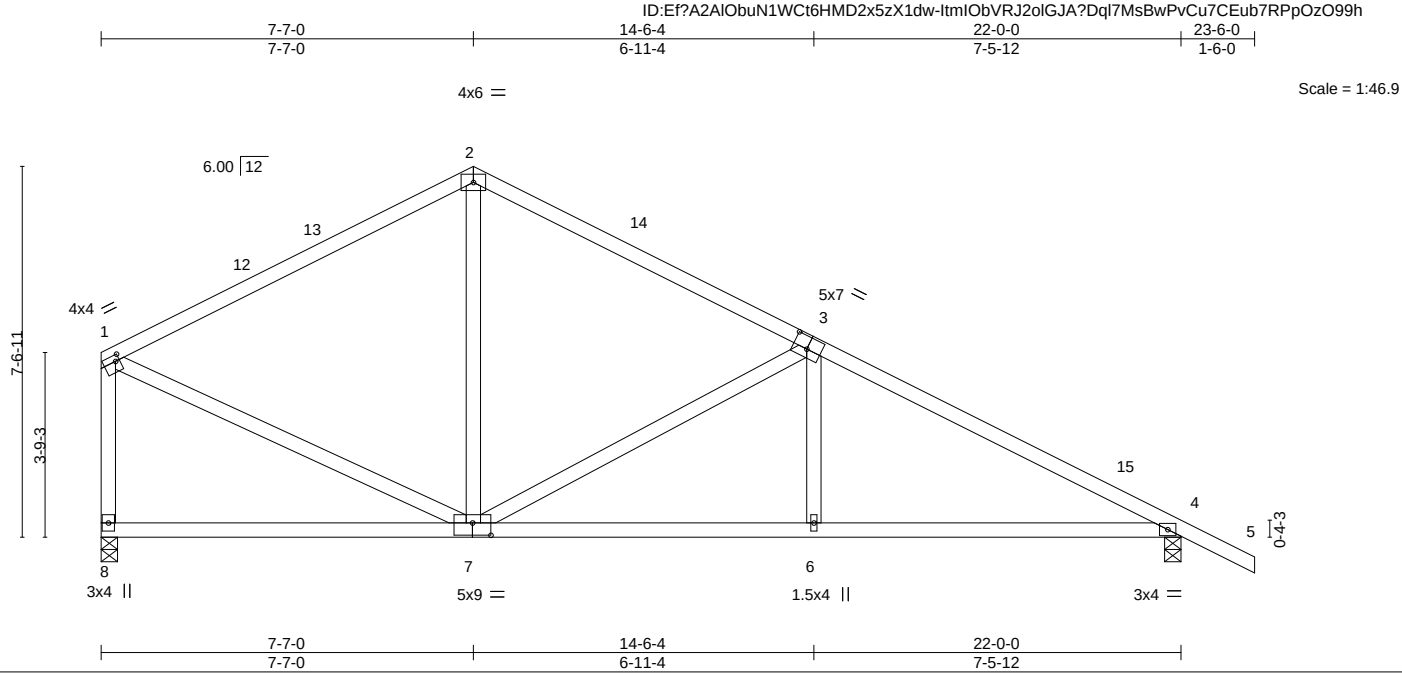


Plate Offsets (X,Y)-- [1:0-1-0,0-1-8], [3:0-3-8,0-3-0], [7:0-4-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.08	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.18	6-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.03	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 116 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.

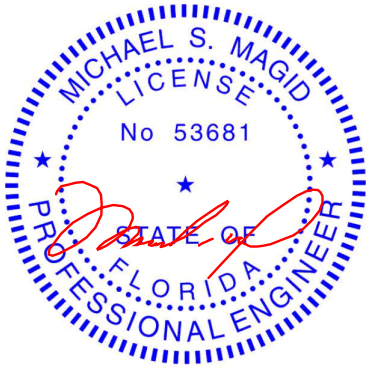
REACTIONS. (size) 8=0-4-0, 4=0-4-0
Max Horz 8=-177(LC 10)
Max Uplift 4=-37(LC 12)
Max Grav 8=871(LC 1), 4=967(LC 1)

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

TOP CHORD	1-2=-797/126, 2-3=-797/139, 3-4=-1432/122, 1-8=-798/123
BOT CHORD	6-7=-1/1224, 4-6=0/1227
WEBS	2-7=0/343, 3-7=-704/117, 3-6=0/298, 1-7=-43/622

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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 7-7-0, Exterior(2R) 7-7-0 to 10-7-0, Interior(1) 10-7-0 to 23-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

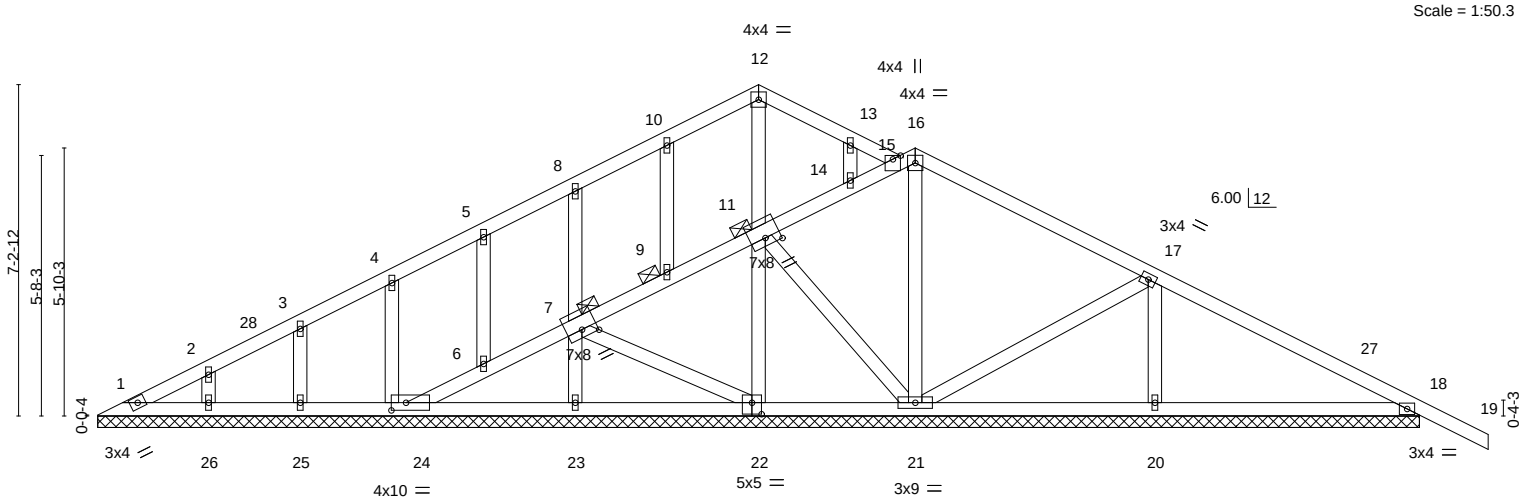
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	G1GE	GABLE	1	1	T23680333
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:13 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-bDhxs_bqgBglcOCL8oNm8LzBvjf2GWtwCidHZVzO99a

-1-6-0	10-5-0	14-5-0	17-10-0	28-10-0	30-4-0
1-6-0	10-5-0	4-0-0	3-5-0	11-0-0	1-6-0

Scale = 1:50.3



10-5-0	14-5-0	17-10-0	28-10-0
10-5-0	4-0-0	3-5-0	11-0-0

Plate Offsets (X,Y)-- [7:0-4-0,0-2-0], [11:0-4-0,0-2-0], [22:0-2-8,0-3-0], [24:0-3-13,0-2-0]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.37	Vert(LL)	0.01	19	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC	0.27	Vert(CT)	0.04	19	n/r	120		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.12	Horz(CT)	0.00	18	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-S							Weight: 178 lb	FT = 20%

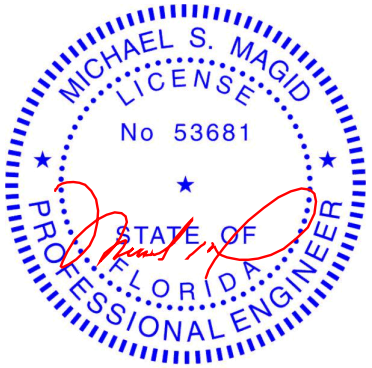
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 9, 11, 7

REACTIONS. All bearings 28-10-0.
(lb) - Max Horz 1=-131(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 18, 24, 25, 26, 21
Max Grav All reactions 250 lb or less at joint(s) 1, 22, 25, 26 except 18=307(LC 22), 24=263(LC 1), 21=376(LC 1), 23=310(LC 1), 20=470(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 17-20=-334/69

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-6-15 to 3-6-15, Interior(1) 3-6-15 to 17-10-0, Exterior(2E) 14-5-0 to 17-6-1, Interior(1) 17-10-0 to 30-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 14-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 24, 25, 26, 21.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	G02	Common	3	1	T23680334
					Job Reference (optional)

Mayo Truss, Mayo, Fl — 8.430 s Mar 22 2021 MiTek Industries, Inc. Mon Apr 26 13:55:34 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-j9btUDu4mP2goGfiShAawrRi7o6rqOihvJmz?hzMr9d

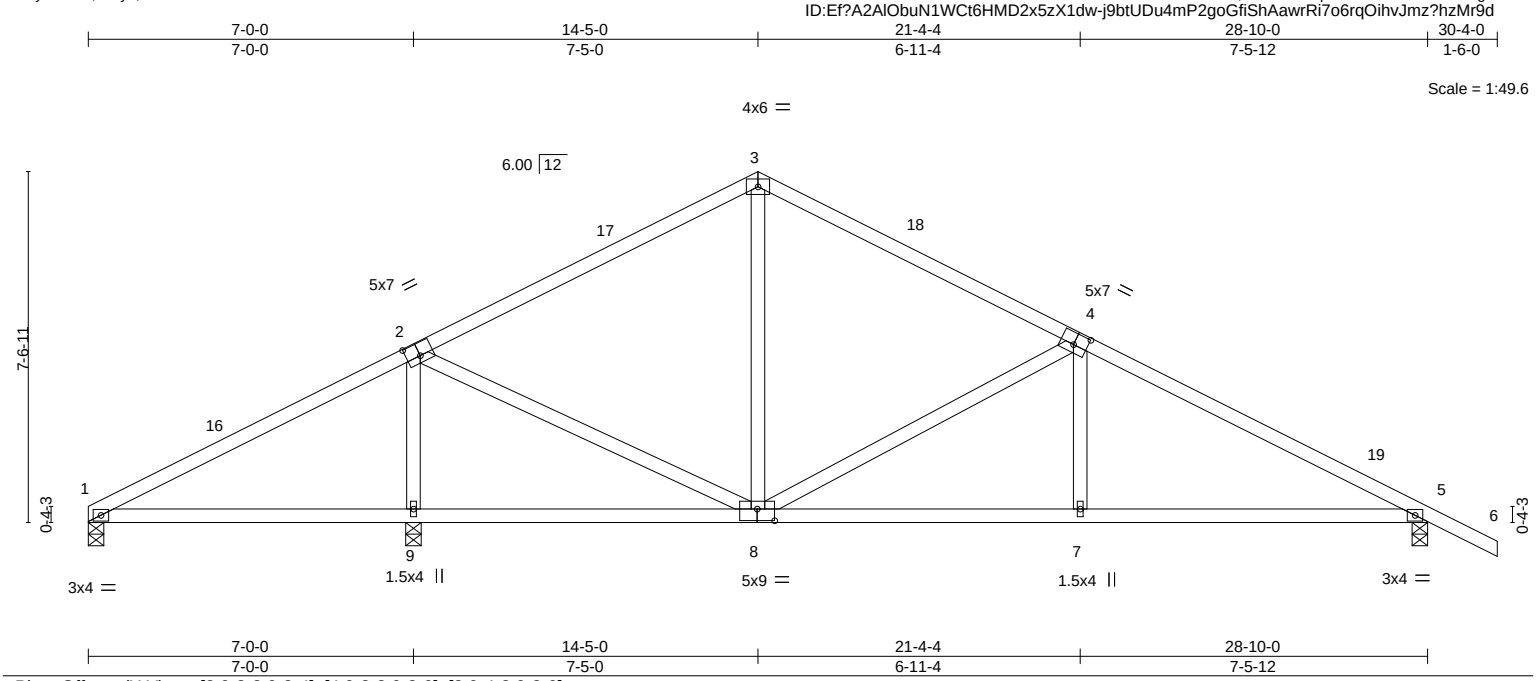


Plate Offsets (X,Y)-- [2:0-3-8,0-3-4], [4:0-3-8,0-3-0], [8:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.07	7-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.17	7-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 137 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. (lb/size) 1=138/0-4-0, 9=1338/0-4-0, 5=921/0-4-0
Max Horz 1=-133(LC 10)
Max Uplift 1=-11(LC 12), 5=-42(LC 12)
Max Grav 1=188(LC 21), 9=1338(LC 1), 5=921(LC 1)

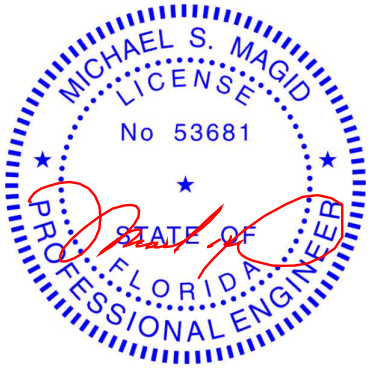
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-16=0/282, 2-17=-697/96, 3-17=-580/114, 3-18=-585/115, 4-18=-688/97, 4-19=-1274/77, 5-19=-1333/43
BOT CHORD	7-8=0/1136, 5-7=0/1139
WEBS	2-9=-1152/112, 2-8=0/725, 3-8=0/276, 4-8=-712/83, 4-7=0/305

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=29ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-5-0, Exterior(2R) 14-5-0 to 17-5-0, Interior(1) 17-5-0 to 30-4-0 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 11 lb uplift at joint 1 and 42 lb uplift at joint 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.

LOAD CASE(S) Standard



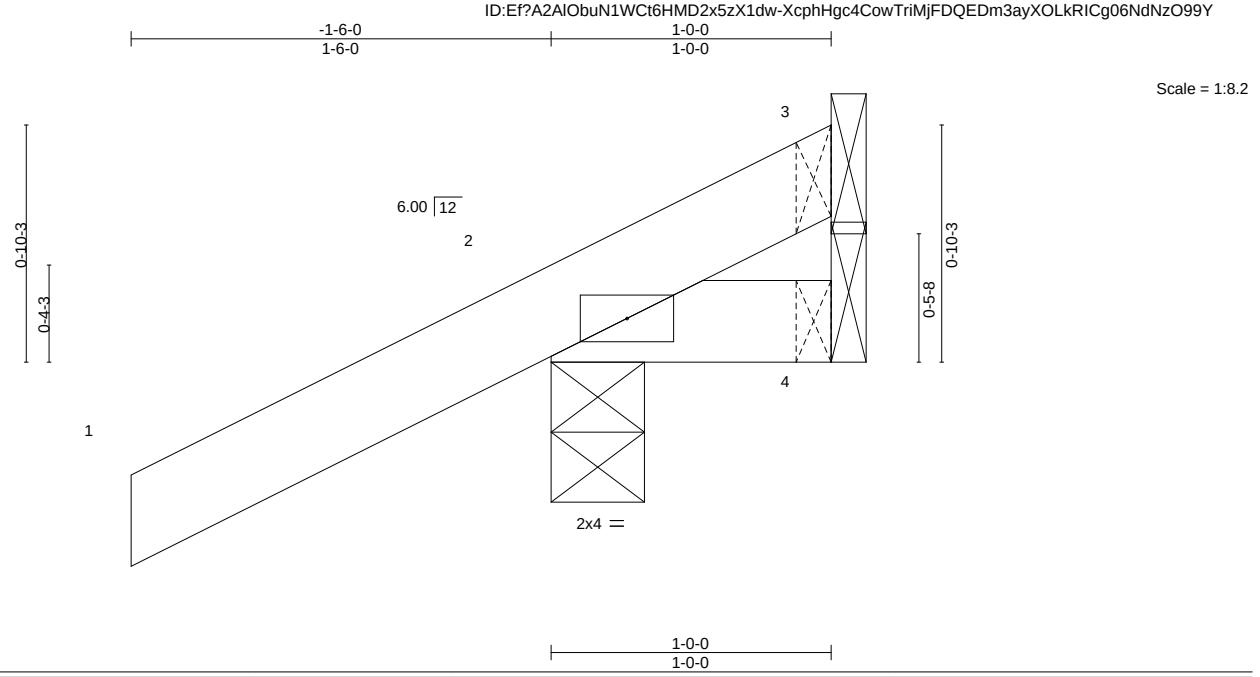
Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	J01	Jack-Open	8	1	T23680335
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:15 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-XcphHgc4CowTriMjFDQEDm3ayXOLkRICg06NdNzO99Y



LOADING (psf)		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	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	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: 6 lb	FT = 20%

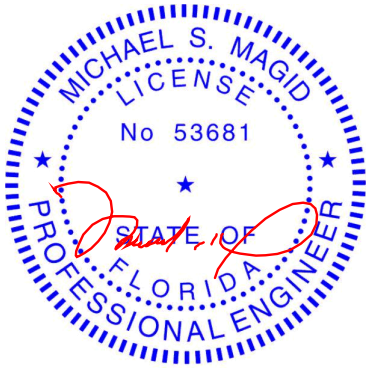
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=39(LC 12)
Max Uplift 3=-7(LC 1), 2=-71(LC 12), 4=-22(LC 1)
Max Grav 3=12(LC 12), 2=198(LC 1), 4=22(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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 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, 4.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

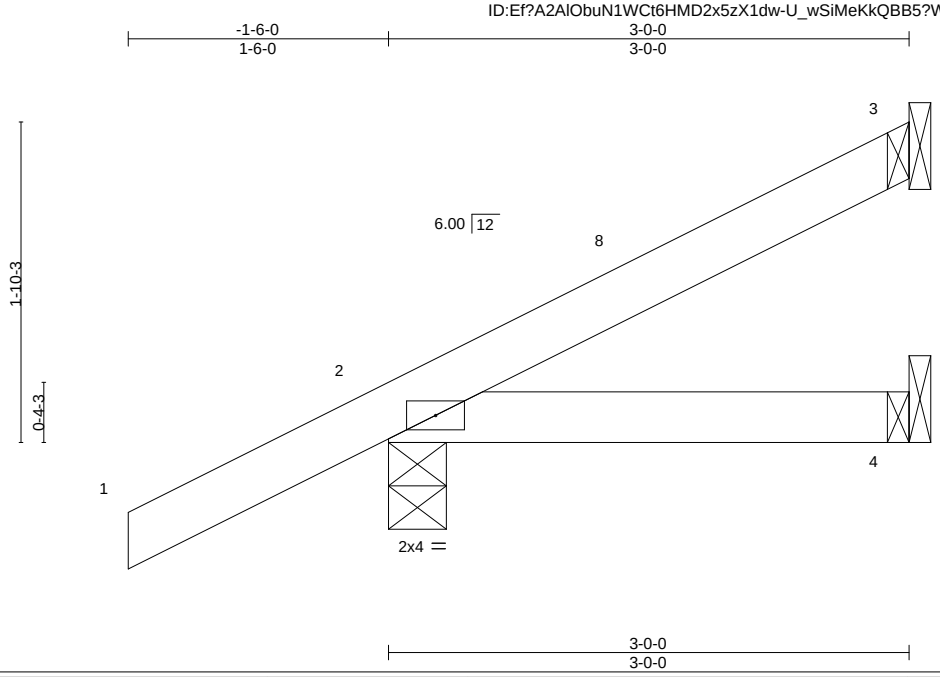
April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	J02	Jack-Open	8	1	T23680336

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:17 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-U_wSiMeKkQBB5?W6NeSiIB8wRL34CLoV7KbUiGzO99W



LOADING (psf)		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	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

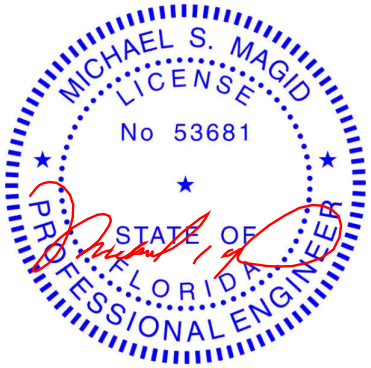
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=0-4-0, 4=Mechanical
Max Horz 2=63(LC 12)
Max Uplift 3=-12(LC 12), 2=-40(LC 12)
Max Grav 3=65(LC 1), 2=230(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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	J03	Jack-Open	7	1	T23680337
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:18 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-yBUqvifzUjJ2i94IwLzxrOh32kNixo2fM_L1EizO99V

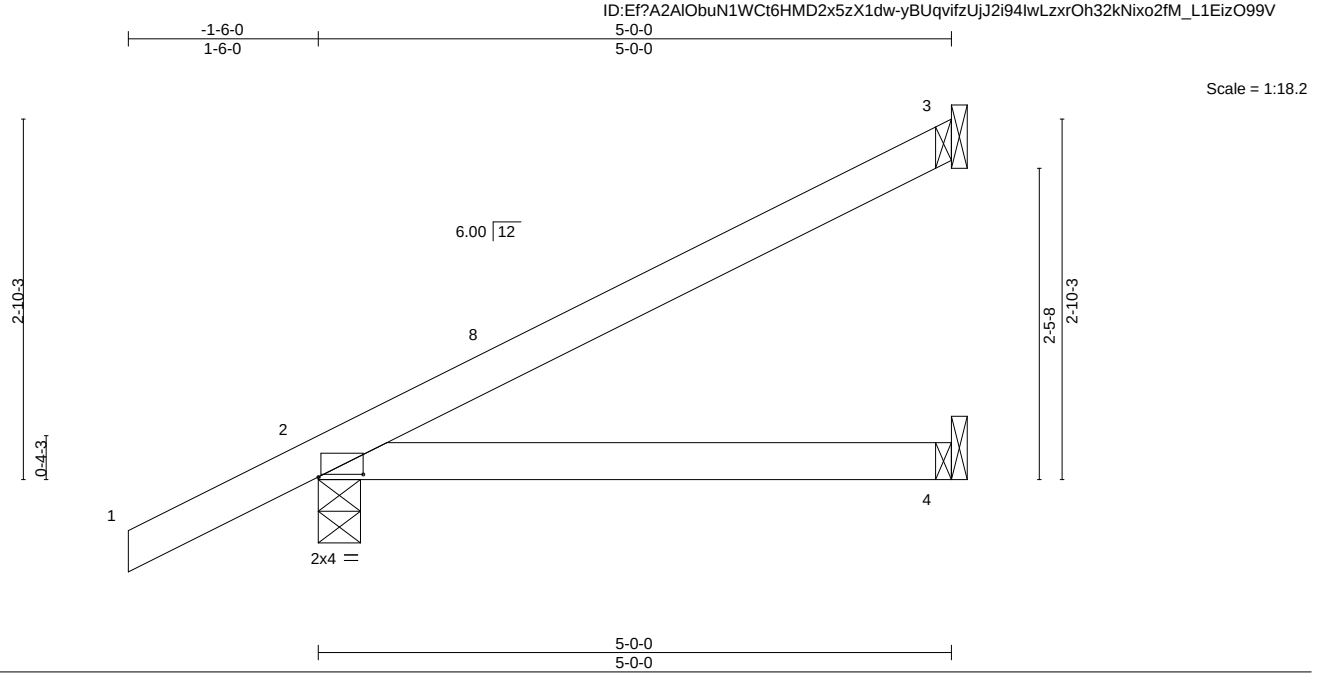


Plate Offsets (X,Y)-- [2:0-4-4,0-0-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 18 lb	FT = 20%

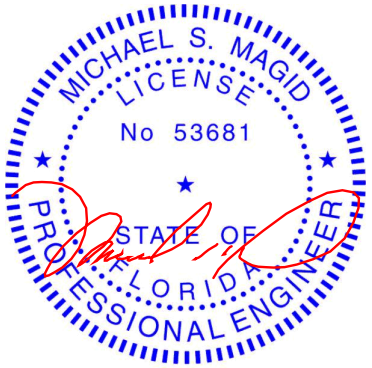
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=87(LC 12)
Max Uplift 3=-29(LC 12), 2=-29(LC 12)
Max Grav 3=126(LC 1), 2=301(LC 1), 4=88(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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	J04	Jack-Open	13	1	T23680338
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:19 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-QN2C62gbF1RvKJfVU2UANcD9s8fpgFIoae4bm8zO99U

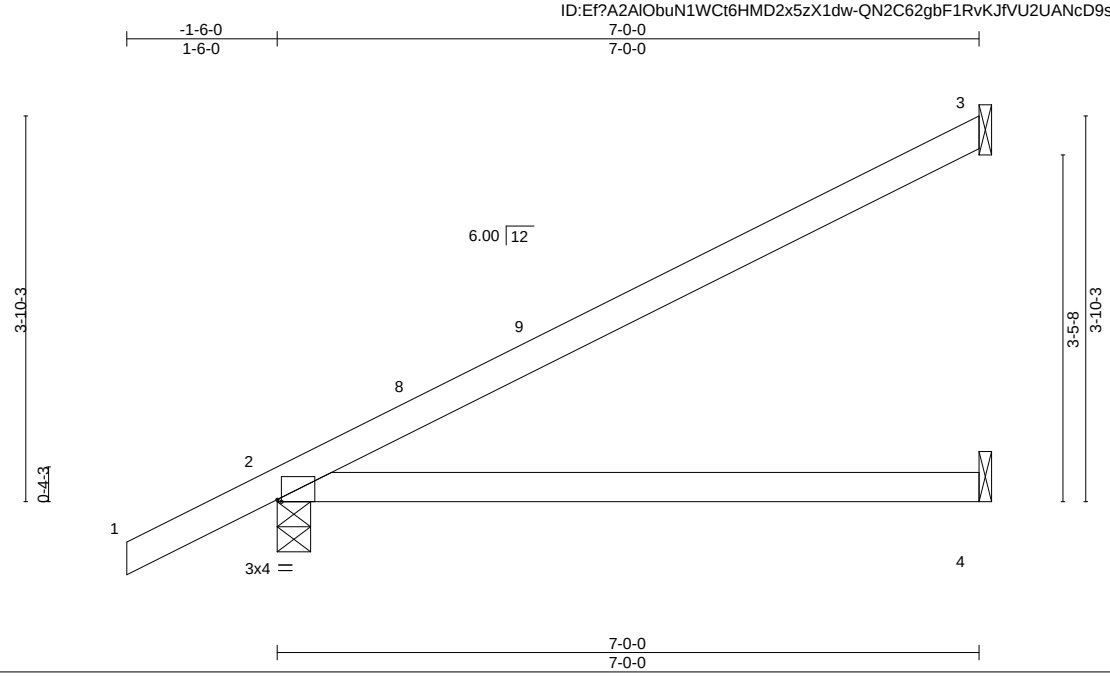


Plate Offsets (X,Y)-- [2:0-0-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.09	4-7	>969	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21	4-7	>398	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: 25 lb	FT = 20%

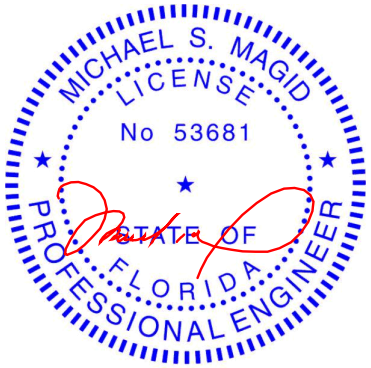
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=111(LC 12)
Max Uplift 3=-44(LC 12), 2=-21(LC 12)
Max Grav 3=185(LC 1), 2=377(LC 1), 4=124(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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-11-4 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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

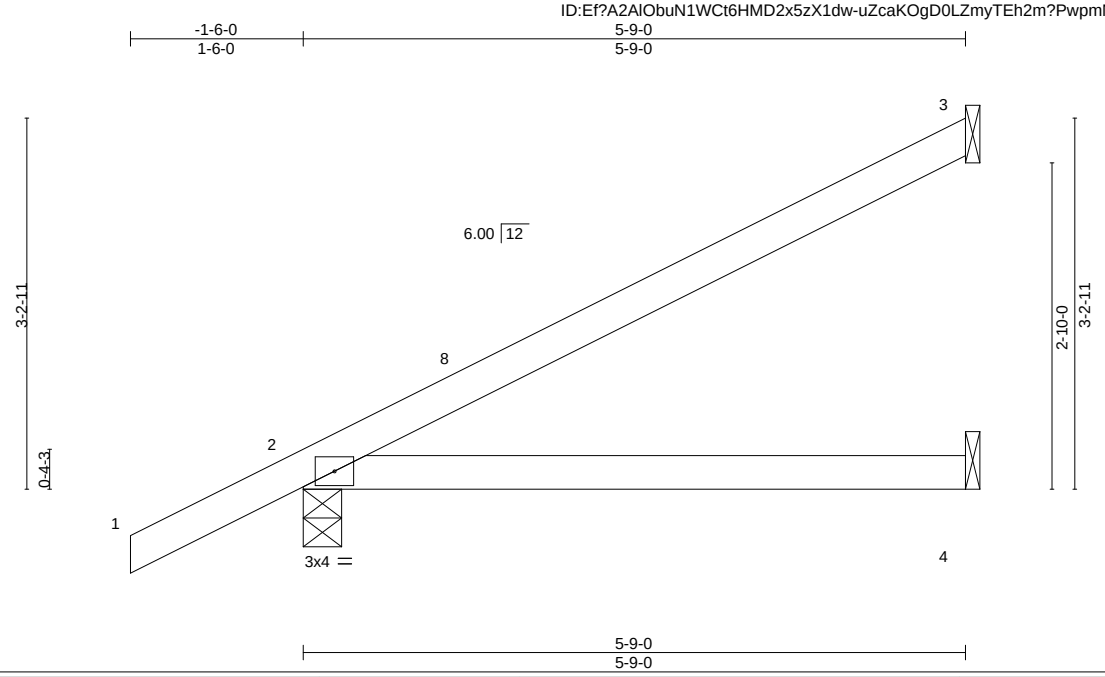
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	J05	Jack-Open	8	1	T23680339

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:20 2021 Page 1

ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-uZcaKOgD0LZmyTEh2m?PwpmNtY1pPiXxpIq8IbzO99T



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.04	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.09	4-7	>723	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: 21 lb	FT = 20%

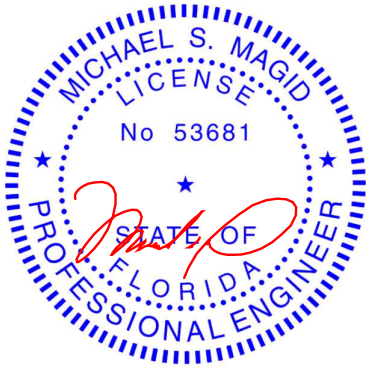
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=96(LC 12)
Max Uplift 3=-35(LC 12), 2=-26(LC 12)
Max Grav 3=148(LC 1), 2=329(LC 1), 4=102(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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 5-8-4 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.



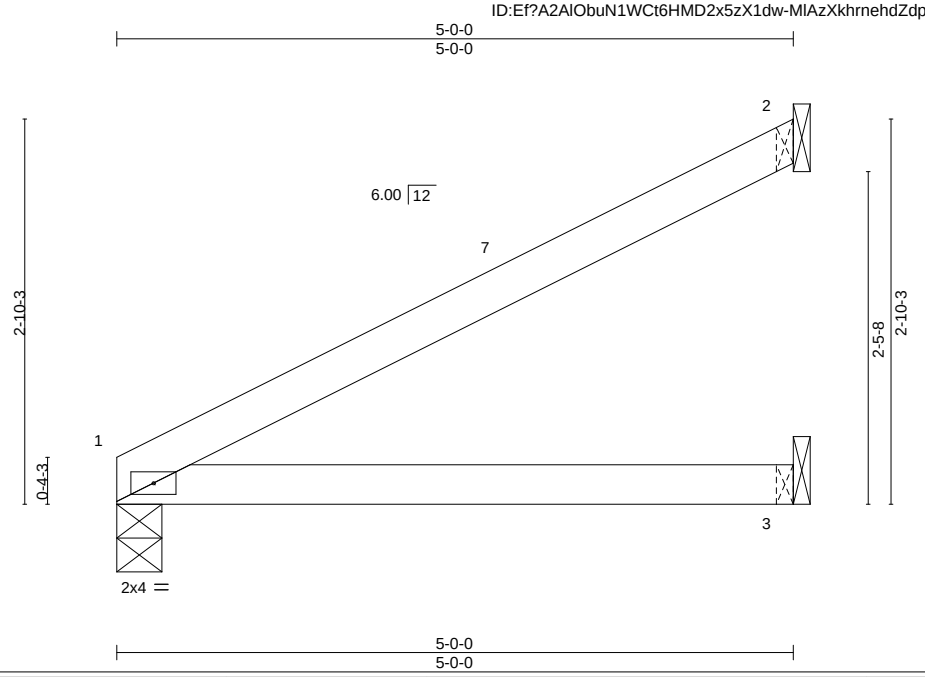
Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	J06	Jack-Open	1	1	T23680340
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:21 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-MlAzXkhrnehdZdptcTWeT1JZoyO789n52yZir1zO99S



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.03	3-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.06	3-6	>968	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 16 lb	FT = 20%

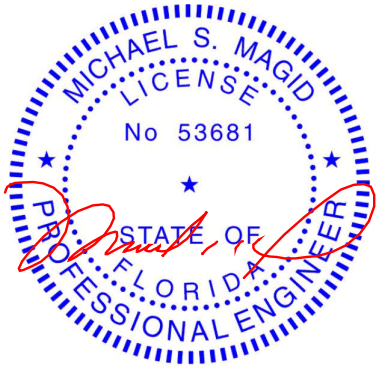
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 1=0-4-0, 2=Mechanical, 3=Mechanical
Max Horz 1=59(LC 12)
Max Uplift 2=-33(LC 12)
Max Grav 1=198(LC 1), 2=133(LC 1), 3=90(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 B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	J07	Jack-Open Girder	1	2	T23680341

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:23 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-I8IjyPj5JGxKpwzGjuZ6YSOxMl?Zc0AOVG2ovvzO99Q

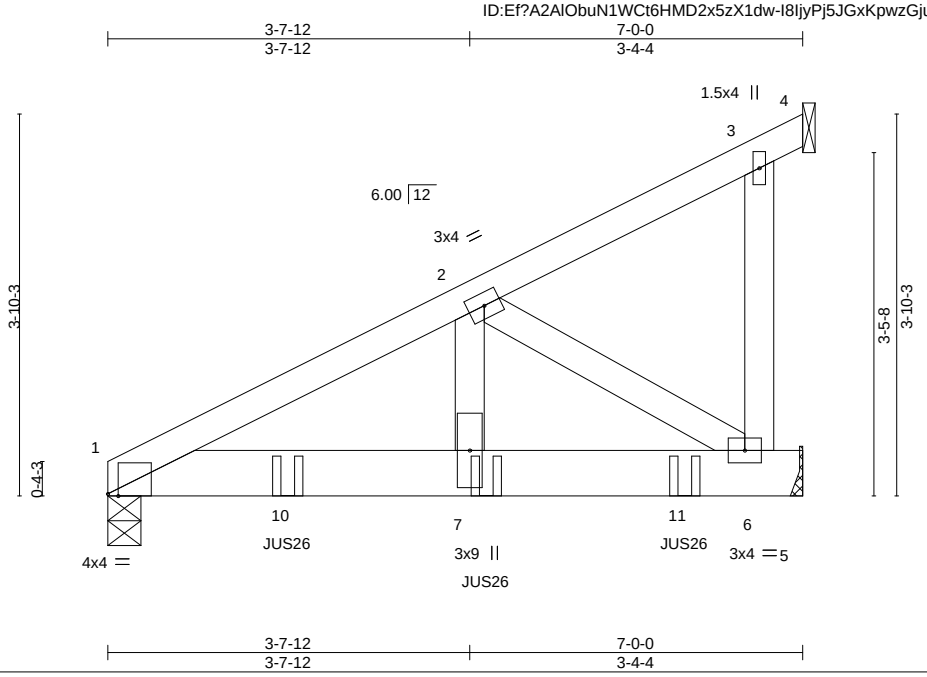


Plate Offsets (X,Y)-- [1:0-1-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.02	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.04	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 78 lb	FT = 20%

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

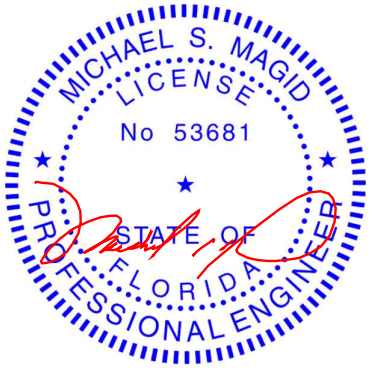
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 4=Mechanical, 5=Mechanical
Max Horz 1=83(LC 8)
Max Grav 1=1413(LC 1), 4=306(LC 1), 5=1158(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2105/0
BOT CHORD 1-7=0/1883, 6-7=0/1883
WEBS 3-6=-3/266, 2-7=0/1768, 2-6=-2205/0

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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 B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Refer to girder(s) for truss to truss connections.
9) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-9-12 from the left end to 5-9-12 to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

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



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-682(B) 10=-947(B) 11=-693(B)

Job	Truss	Truss Type	Qty	Ply	Lot 22 Rose Pointe
LOT_22_ROSE_POINTE	J08	Jack-Open	1	1	T23680342
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 22 13:21:24 2021 Page 1
ID:Ef?A2AlObuN1WCt6HMD2x5zX1dw-mKr5Aljk4Z3BR4YSHc4L4fw?Z9MsLWXXkwoMSMzO99P

-1-6-0 7-0-0
1-6-0 7-0-0

Scale = 1:24.6

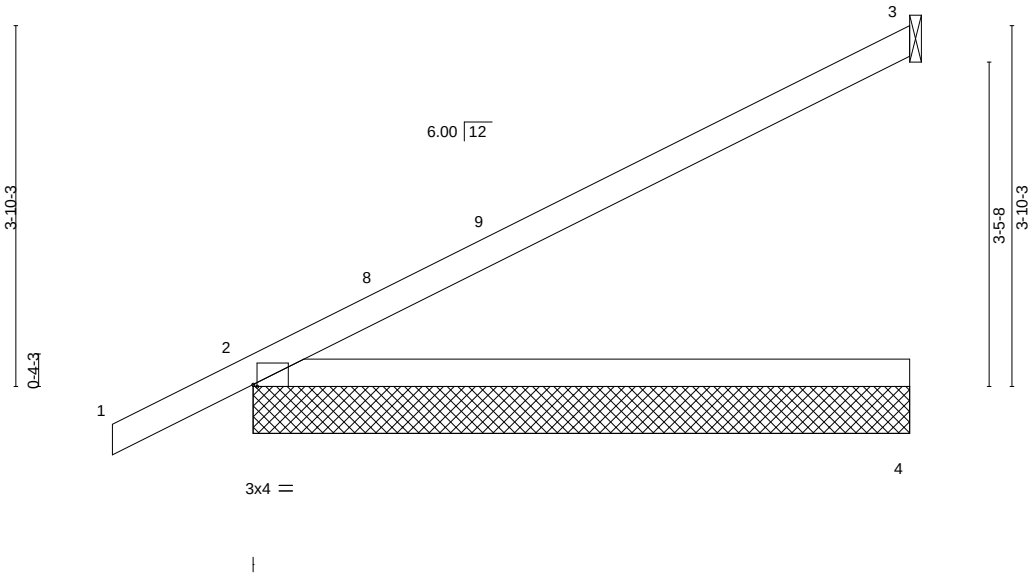


Plate Offsets (X,Y)-- [2:0-0-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.09	4-7	>937	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.22	4-7	>386	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: 25 lb	FT = 20%

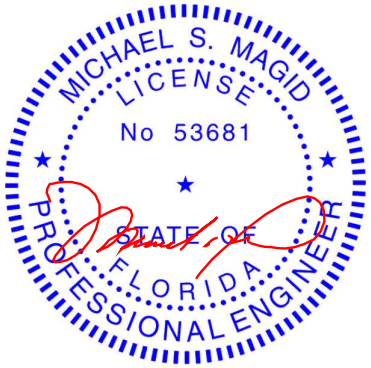
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. All bearings 7-0-0 except (jt=length) 3=Mechanical, 3=Mechanical.
(lb) - Max Horz 2=111(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 3, 2
Max Grav All reactions 250 lb or less at joint(s) 3, 3, 4 except 2=378(LC 1), 2=378(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-11-4 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, 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.



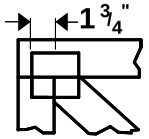
Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 26,2021

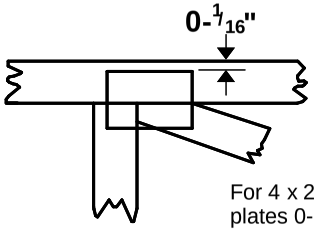
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

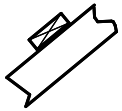
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

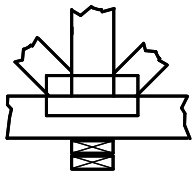
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

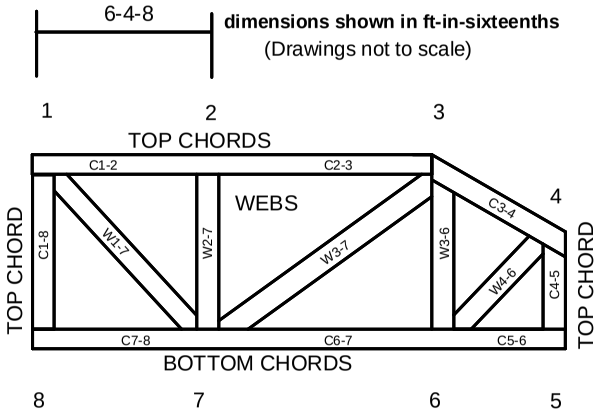


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

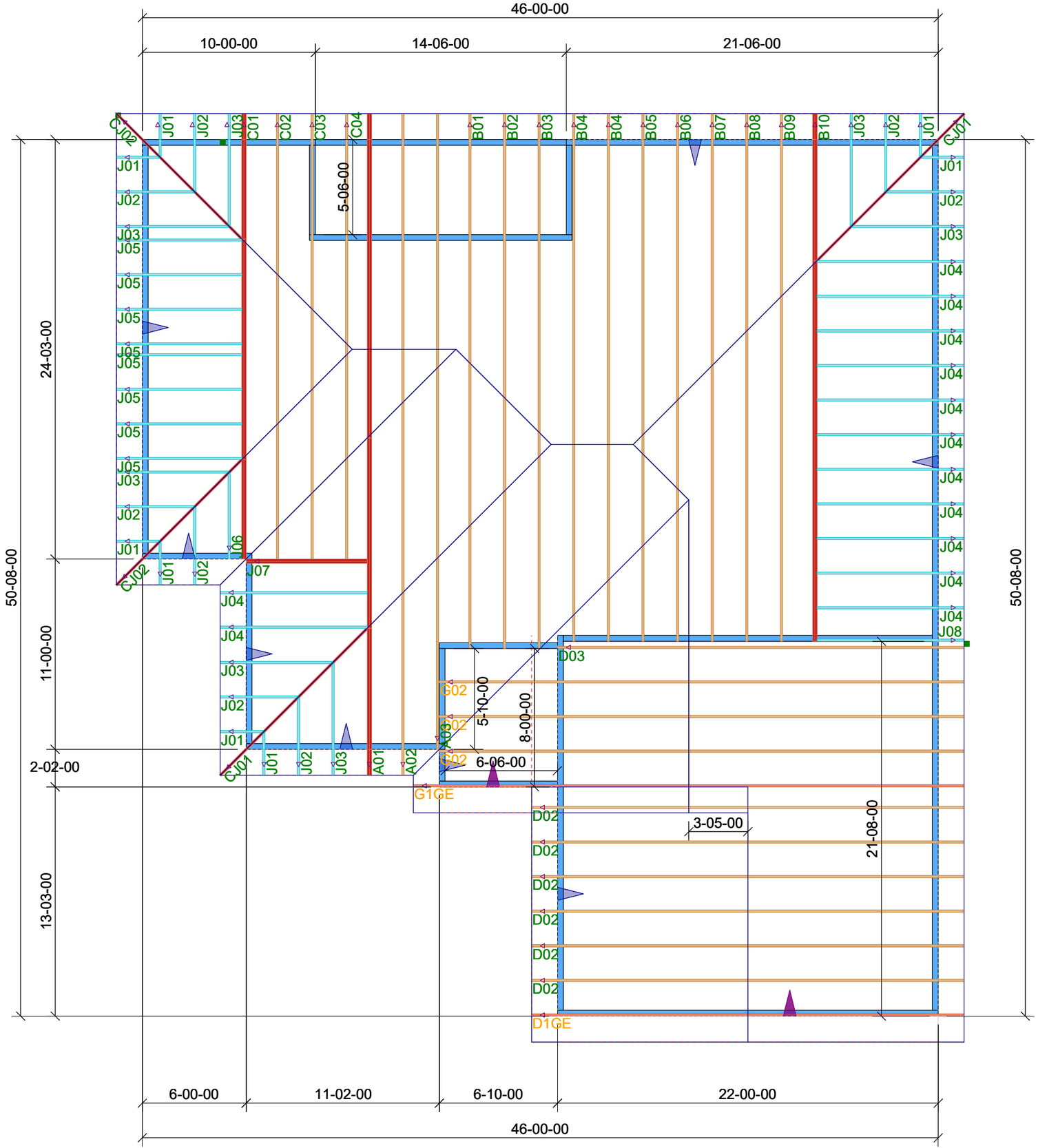
MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

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



ROOF PITCH: 6/12

CLG PITCH: FLAT THROUGHOUT

O.H.: 18" PLUMB CUT

WIND: 130 MPH

EXP: "C"

LOADING: 40 PSF

WALLS 2 X 4 X 9'

DATE: 3/26/2021