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

RE: Johnson - Johnson

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

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

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 38 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	T25760212	A1GIR	10/26/21	23	T25760234	B3	10/26/21
2	T25760213	A2	10/26/21	24	T25760235	B4	10/26/21
3	T25760214	A3	10/26/21	25	T25760236	C1GIR	10/26/21
4	T25760215	A4	10/26/21	26	T25760237	CJ01	10/26/21
5	T25760216	A5	10/26/21	27	T25760238	J1	10/26/21
6	T25760217	A6	10/26/21	28	T25760239	J1A	10/26/21
7	T25760218	A7	10/26/21	29	T25760240	J2	10/26/21
8	T25760219	A8	10/26/21	30	T25760241	J3	10/26/21
9	T25760220	A9	10/26/21	31	T25760242	J4	10/26/21
10	T25760221	A10	10/26/21	32	T25760243	PB01	10/26/21
11	T25760222	A11	10/26/21	33	T25760244	PB02	10/26/21
12	T25760223	A12	10/26/21	34	T25760245	V01	10/26/21
13	T25760224	A13	10/26/21	35	T25760246	V02	10/26/21
14	T25760225	A14	10/26/21	36	T25760247	V03	10/26/21
15	T25760226	A15	10/26/21	37	T25760248	V04	10/26/21
16	T25760227	A16	10/26/21	38	T25760249	V05	10/26/21
17	T25760228	A17	10/26/21				
18	T25760229	A18	10/26/21				
19	T25760230	A19	10/26/21				
20	T25760231	A20GIR	10/26/21				
21	T25760232	B1GIR	10/26/21				
22	T25760233	B2	10/26/21				

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

Columbia County Building Department Plans Reviewed for Code Compliance State of Florida

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

Truss Design Engineer's Name: Lee, Julius
My license renewal date for the state of Florida is February 28, 2023.

JULIUS LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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.

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

October 26,2021

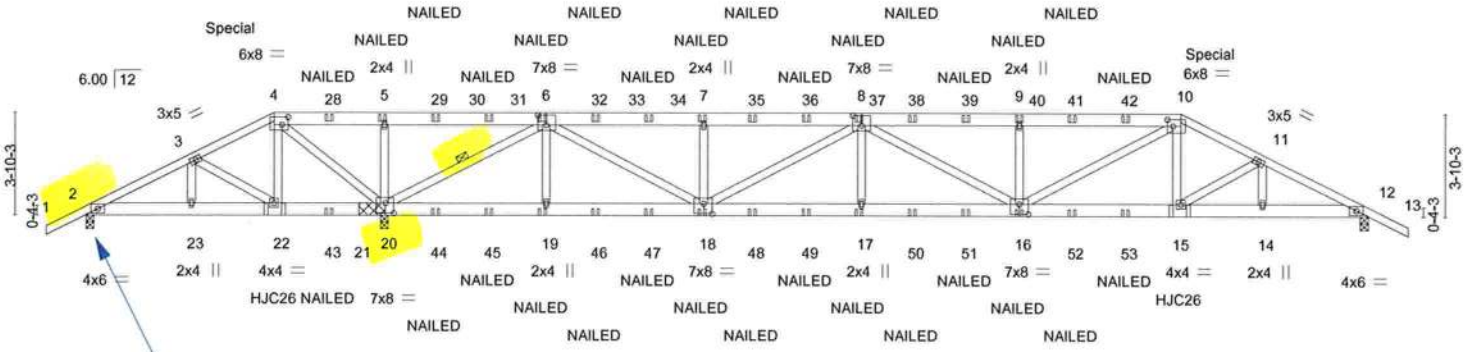
Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A1GIR	Hip Girder	1	2	T25760212
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:05 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-?PrKodulK1NEvXbPYVbcFK7XrfAXroYluYpM6GyPtl4

1-6-0	3-11-4	7-0-0	11-1-12	17-2-7	23-1-6	29-0-6	34-11-5	41-0-0	44-0-12	48-0-0	49-6-0
1-6-0	3-11-4	3-0-12	4-1-12	6-0-11	5-10-15	5-10-15	5-10-15	6-0-11	3-0-12	3-11-4	1-6-0

Scale = 1:83.1

THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.



3-11-4	7-0-0	11-1-12	17-2-7	23-1-6	29-0-6	34-11-5	41-0-0	44-0-12	48-0-0
3-11-4	3-0-12	4-1-12	6-0-11	5-10-15	5-10-15	5-10-15	6-0-11	3-0-12	3-11-4

Plate Offsets (X,Y)-- [4:0-2-12,0-3-8], [6:0-3-12,0-4-8], [8:0-4-0,0-4-8], [10:0-2-8,0-3-0], [16:0-4-0,0-4-8], [18:0-3-12,0-4-8], [20:0-3-12,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	0.20	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.39	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 649 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-4,10-13: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-23,22-23,20-22.
WEBS 1 Row at midpt 6-20

REACTIONS. (size) 2=0-3-8, 20=(0-3-8 + bearing block) (req. 0-3-12), 12=0-3-8
Max Horz 2=81(LC 24)
Max Uplift 2=-1060(LC 18), 20=-1417(LC 8), 12=-533(LC 8)
Max Grav 2=250(LC 6), 20=6312(LC 1), 12=2574(LC 18)

"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=-480/2593, 3-4=-531/2806, 4-5=-1073/5129, 5-6=-1077/5139, 6-7=-4270/983, 7-8=-4270/983, 8-9=-6358/1453, 9-10=-6362/1454, 10-11=-5050/1150, 11-12=-5181/1087
BOT CHORD 2-23=-2302/477, 22-23=-2302/477, 20-22=-2487/556, 19-20=-65/438, 18-19=-65/438, 17-18=-1270/6127, 16-17=-1270/6127, 15-16=-938/4531, 14-15=-909/4605, 12-14=-909/4605
WEBS 3-22=-397/101, 4-22=-185/661, 4-20=-3476/814, 5-20=-815/206, 6-20=-6357/1377, 6-19=-31/593, 6-18=-992/4425, 7-18=-868/234, 8-18=-2149/457, 8-17=-26/566, 8-16=-92/275, 9-16=-909/242, 10-16=-466/2142, 10-15=-142/788, 11-15=-286/83

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) 2x6 SP No.2 bearing block 12" long at jt. 20 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. Bearing is assumed to be SP No.2.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
7) Provide adequate drainage to prevent water ponding.
8) 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) except (jt=lb) 2=1060, 20=1417, 12=533.

Continued on page 2

JULIUS LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: October 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A1GIR	Hip Girder	1	2	T25760212

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:05 2021 Page 2
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-?PrKodulK1NEvXbPYVbcFK7XrfAXroYluYpM6GyPtl4

NOTES-

11) This truss has large uplift reaction(s) from gravity load case(s) at joint 2. Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated at joint 2.
12) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 33-11-4 oc max. starting at 7-0-6 from the left end to 40-11-10 to connect truss(es) to front face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.
14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 231 lb down and 154 lb up at 7-0-0, and 231 lb down and 154 lb up at 41-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

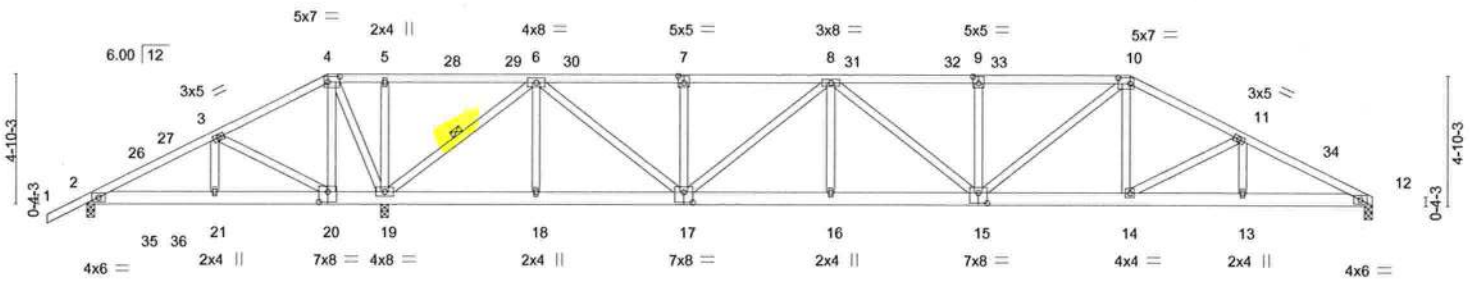
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-10=-60, 10-13=-60, 2-12=-20
   Concentrated Loads (lb)
   Vert: 4=-184(F) 10=-184(F) 22=-358(F) 5=-126(F) 6=-125(F) 19=-62(F) 18=-62(F) 7=-125(F) 8=-125(F) 17=-62(F) 16=-62(F) 9=-125(F) 15=-358(F) 28=-125(F) 29=-125(F) 31=-125(F) 32=-125(F) 34=-125(F) 35=-125(F) 36=-125(F) 38=-125(F) 39=-125(F) 41=-125(F) 42=-125(F) 43=-62(F) 44=-62(F) 45=-62(F) 46=-62(F) 47=-62(F) 48=-62(F) 49=-62(F) 50=-62(F) 51=-62(F) 52=-62(F) 53=-62(F)

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A2	Hip	1	1	T25760213
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:06 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-TbOi0zvN5KV5Xh9b6C6roXgjx3YCaBiv7CYwejyPtI3

1-6-0	4-9-4	9-0-0	11-1-12	16-9-10	22-3-13	27-9-15	33-4-2	39-0-0	43-2-12	48-0-0
1-6-0	4-9-4	4-2-12	2-1-12	5-7-14	5-6-2	5-6-2	5-6-2	5-7-14	4-2-12	4-9-4

Scale = 1:82.9



4-9-4	9-0-0	11-1-12	16-9-10	22-3-13	27-9-15	33-4-2	39-0-0	43-2-12	48-0-0
4-9-4	4-2-12	2-1-12	5-7-14	5-6-2	5-6-2	5-6-2	5-7-14	4-2-12	4-9-4

Plate Offsets (X,Y)-- [4:0-5-4,0-2-8], [7:0-2-8,0-3-0], [9:0-2-8,0-3-0], [10:0-5-4,0-2-8], [15:0-4-0,0-4-8], [17:0-4-0,0-4-8], [20:0-4-0,0-4-8]

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	0.65	Vert(LL)	-0.14	15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.28	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 308 lb	FT = 20%

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

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

REACTIONS. (size) 12=0-3-8, 2=0-3-8, 19=0-3-8
Max Horz 2=96(LC 11)
Max Uplift 2=-441(LC 22), 19=-115(LC 12)
Max Grav 12=1261(LC 22), 19=2868(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/1254, 3-4=0/1501, 4-5=-105/1758, 5-6=-105/1758, 6-7=-1344/22, 7-8=-1344/22, 8-9=-2213/87, 9-10=-2213/87, 10-11=-2116/90, 11-12=-2495/87
BOT CHORD 2-21=-1102/0, 20-21=-1102/0, 19-20=-1314/83, 16-17=0/2107, 15-16=0/2107, 14-15=0/1856, 13-14=-27/2200, 12-13=-27/2200
WEBS 3-20=-455/362, 4-20=-272/190, 4-19=-1062/342, 5-19=-287/78, 6-19=-2345/68, 6-17=-67/1561, 7-17=-256/54, 8-17=-996/62, 8-16=0/264, 9-15=-276/75, 10-15=0/538, 10-14=0/379, 11-14=-408/75

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=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-3-10, Interior(1) 3-3-10 to 9-0-0, Exterior(2R) 9-0-0 to 15-9-7, Interior(1) 15-9-7 to 39-0-0, Exterior(2R) 39-0-0 to 45-9-7, Interior(1) 45-9-7 to 48-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=441, 19=115.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

October 26,2021

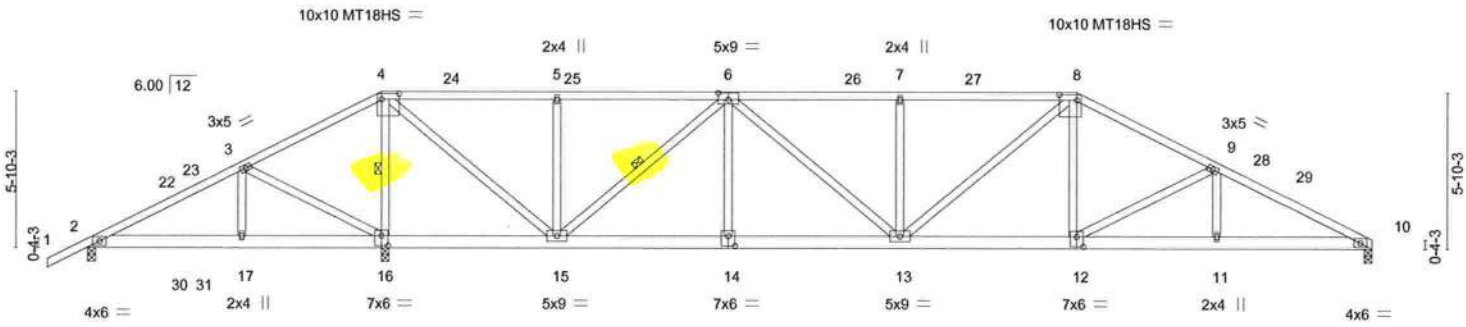
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A3	Hip	1	1	T25760214
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:15 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-iKR6v200_5eq63LK7bnzfRXJvhbUBM9DB6EuRhyPtHw

1-6-0	5-9-4	11-0-0	17-6-14	24-0-0	30-5-2	37-0-0	42-2-12	48-0-0
1-6-0	5-9-4	5-2-12	6-6-14	6-5-2	6-5-2	6-6-14	5-2-12	5-9-4

Scale = 1:82.9



5-9-4	11-0-0	11-1-12	17-6-14	24-0-0	30-5-2	37-0-0	42-2-12	48-0-0
5-9-4	5-2-12	0-1-12	6-5-2	6-5-2	6-5-2	6-6-14	5-2-12	5-9-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.13	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.26	12-13	>999	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 300 lb	FT = 20%

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

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

REACTIONS. (size) 10=0-3-8, 2=0-3-8, 16=0-3-8
Max Horz 2=115(LC 11)
Max Uplift 2=-333(LC 22), 16=-118(LC 12)
Max Grav 10=1306(LC 22), 16=2722(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/1058, 3-4=-138/1443, 4-5=-561/29, 5-6=-561/29, 6-7=-1999/78, 7-8=-1999/78, 8-9=-2045/95, 9-10=-2553/75
BOT CHORD 2-17=-924/0, 16-17=-924/0, 15-16=-1229/223, 14-15=0/1518, 13-14=0/1518, 12-13=0/1763, 11-12=-16/2245, 10-11=-16/2245
WEBS 3-17=-255/277, 3-16=-542/433, 4-16=-2379/181, 4-15=-79/2246, 5-15=-464/116, 6-15=-1277/69, 6-13=-61/649, 7-13=-463/116, 8-13=0/429, 8-12=0/393, 9-12=-552/74, 9-11=0/272

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=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-3-10, Interior(1) 3-3-10 to 11-0-0, Exterior(2R) 11-0-0 to 17-6-14, Interior(1) 17-6-14 to 37-0-0, Exterior(2R) 37-0-0 to 43-9-7, Interior(1) 43-9-7 to 48-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=333, 16=118.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

October 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A4	Hip	1	1	T25760215

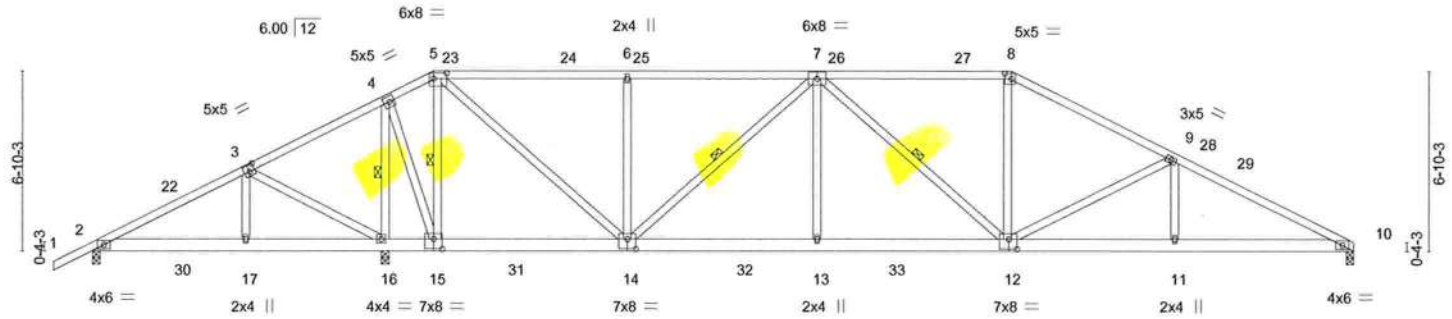
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:16 2021 Page 1

ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-AW?U6O1ekPmgkDwWhJICCe4M75vBwmTNQmzS_7yPtHv

1-6-0	5-10-2	11-1-12	13-0-0	20-4-9	27-7-7	35-0-0	41-2-12	48-0-0
1-6-0	5-10-2	5-3-10	1-10-4	7-4-9	7-2-13	7-4-9	6-2-12	6-9-4

Scale = 1:84.4



5-10-2	11-1-12	13-0-0	20-4-9	27-7-7	35-0-0	41-2-12	48-0-0
5-10-2	5-3-10	1-10-4	7-4-9	7-2-13	7-4-9	6-2-12	6-9-4

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [8:0-3-0,0-2-8], [12:0-3-12,0-4-8], [14:0-4-0,0-4-8], [15:0-4-0,0-4-8]

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	0.99	Vert(LL)	-0.16	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.29	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 311 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 10=0-3-8, 2=0-3-8, 16=0-3-8
Max Horz 2=133(LC 11)
Max Uplift 2=-132(LC 22), 16=-120(LC 12)
Max Grav 10=1553(LC 18), 2=180(LC 21), 16=2741(LC 2)

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

TOP CHORD	2-3=0/665, 3-4=-120/1062, 4-5=-33/352, 5-6=-1253/64, 6-7=-1253/64, 7-8=-1964/121, 8-9=-2246/102, 9-10=-2969/77
BOT CHORD	2-17=-622/0, 16-17=-626/0, 15-16=-917/201, 14-15=-333/194, 13-14=0/1944, 12-13=0/1944, 11-12=-10/2604, 10-11=-10/2604
WEBS	3-16=-469/366, 4-16=-2278/143, 4-15=-51/1835, 5-15=-1656/135, 5-14=-92/2042, 6-14=-526/130, 7-14=-995/32, 7-13=0/463, 8-12=0/585, 9-12=-791/77, 9-11=0/330

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-3-10, Interior(1) 3-3-10 to 13-0-0, Exterior(2R) 13-0-0 to 19-9-7, Interior(1) 19-9-7 to 35-0-0, Exterior(2R) 35-0-0 to 41-9-7, Interior(1) 41-9-7 to 48-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=132, 16=120.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

October 26,2021

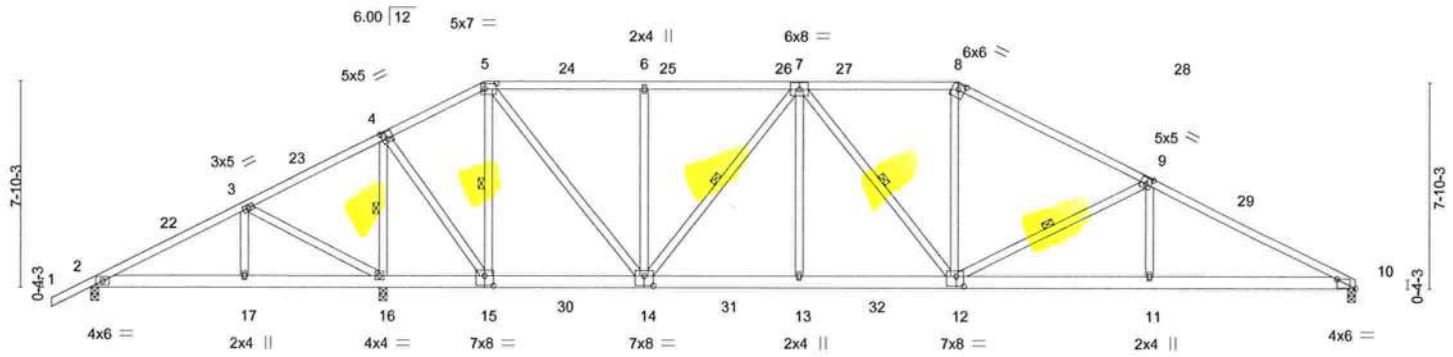
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A5	Hip	1	1	T25760216
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:18 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-6v7FX42vG00OzX4vpkKgH39i6vZFOkOgt4SY20yPtHt

1-6-0	5-10-2	11-1-12	15-0-0	21-0-9	26-11-7	33-0-0	40-2-12	48-0-0
1-6-0	5-10-2	5-3-10	3-10-4	6-0-9	5-10-13	6-0-9	7-2-12	7-9-4

Scale = 1:84.3



5-10-2	11-1-12	15-0-0	21-0-9	26-11-7	33-0-0	40-2-12	48-0-0
5-10-2	5-3-10	3-10-4	6-0-9	5-10-13	6-0-9	7-2-12	7-9-4

Plate Offsets (X,Y)-- [4:0-2-4,0-3-0], [5:0-5-4,0-2-8], [8:0-3-0,0-2-7], [9:0-2-8,0-3-0], [10:0-8-8,Edge], [12:0-3-8,0-4-8], [14:0-4-0,0-4-8], [15:0-4-0,0-4-8]

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	0.96	Vert(LL)	-0.13	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.25	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 321 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-16, 5-15, 7-14, 7-12, 9-12

REACTIONS. (size) 2=0-3-8, 16=0-3-8, 10=0-3-8
Max Horz 2=151(LC 11)
Max Uplift 2=-100(LC 22)
Max Grav 2=218(LC 21), 16=2772(LC 17), 10=1564(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-27/569, 3-4=0/1030, 4-5=-260/107, 5-6=-1187/148, 6-7=-1187/148, 7-8=-1801/170, 8-9=-2052/145, 9-10=-2890/96
BOT CHORD 2-17=-482/63, 16-17=-482/63, 15-16=-896/109, 13-14=0/1657, 12-13=0/1657, 11-12=-15/2481, 10-11=-13/2489
WEBS 3-16=-657/65, 4-16=-2248/116, 4-15=-32/1840, 5-15=-1358/81, 5-14=-55/1575, 6-14=-427/110, 7-14=-850/10, 7-13=0/390, 8-12=0/472, 9-12=-844/55, 9-11=0/402

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=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-3-10, Interior(1) 3-3-10 to 15-0-0, Exterior(2R) 15-0-0 to 21-9-7, Interior(1) 21-9-7 to 33-0-0, Exterior(2R) 33-0-0 to 39-9-7, Interior(1) 39-9-7 to 48-0-0 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

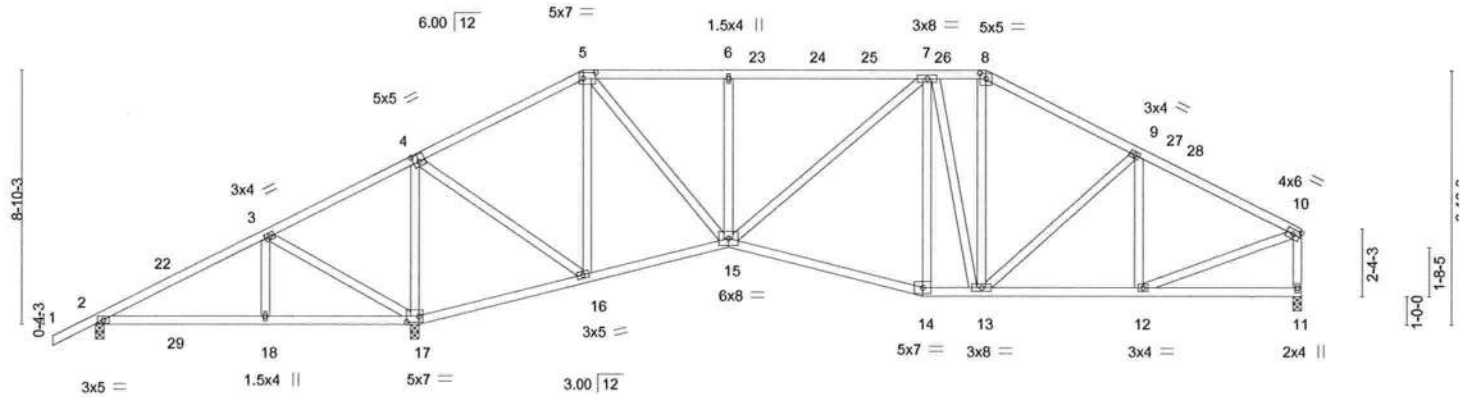
Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A6	Hip	1	1	T25760217

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:19 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-a5hdkQ3X1K8Fbhf5MRrvpHi_PI_T74ep6kC6bSyPtHs

1-6-0	5-11-0	11-3-8	17-0-0	22-0-12	28-10-0	31-0-0	36-4-4	42-0-0
1-6-0	5-11-0	5-4-8	5-8-8	5-0-12	6-9-4	2-2-0	5-4-4	5-7-12

Scale = 1:77.2



5-11-0	11-1-12	11-3-8	17-0-0	22-0-12	28-10-0	31-0-0	36-4-4	42-0-0
5-11-0	5-2-12	0-1-12	5-8-8	5-0-12	6-9-4	2-2-0	5-4-4	5-7-12

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

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	0.47	Vert(LL)	-0.09	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.20	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 268 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=0-3-8, 17=0-3-8, 11=0-3-8
Max Horz 2=182(LC 11)
Max Uplift 2=-114(LC 12), 17=-124(LC 12)
Max Grav 2=248(LC 21), 17=2120(LC 1), 11=1101(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/364, 3-4=-159/762, 4-5=-518/39, 5-6=-1084/55, 6-7=-1084/55, 7-8=-973/116, 8-9=-1164/102, 9-10=-1232/68, 10-11=-1046/55
BOT CHORD 2-18=-296/0, 17-18=-296/0, 16-17=-699/194, 15-16=0/435, 14-15=0/1073, 13-14=0/1028, 12-13=-18/1042
WEBS 3-17=-580/391, 4-17=-1566/160, 4-16=-61/1324, 5-16=-919/123, 5-15=-30/1068, 6-15=-393/96, 7-13=-342/9, 8-13=-8/369, 9-12=-263/74, 10-12=0/1053

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-6, Interior(1) 2-8-6 to 17-0-0, Exterior(2R) 17-0-0 to 22-11-4, Interior(1) 22-11-4 to 31-0-0, Exterior(2R) 31-0-0 to 36-11-4, Interior(1) 36-11-4 to 41-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=114, 17=124.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

October 26,2021

MiTek
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A7	Hip	1	1	T25760218

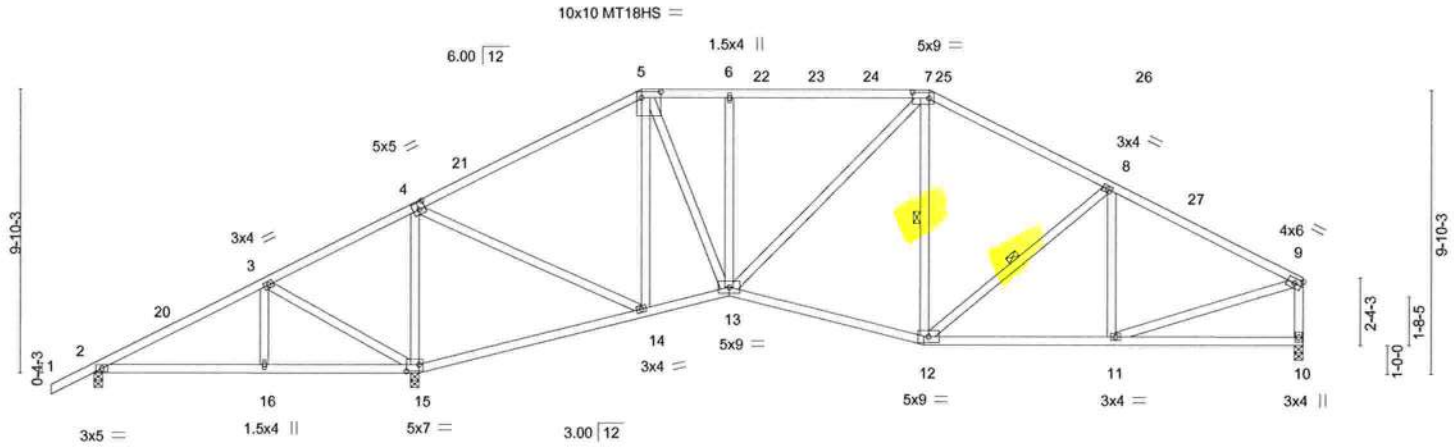
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:21 2021 Page 1

ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-XUoN955nZxOzq_pUUsuNvinEg6f3b?o6a2hDfLyPtHq

1-6-0	5-11-0	11-3-8	19-0-0	22-0-12	29-0-0	35-4-4	42-0-0
1-6-0	5-11-0	5-4-8	7-8-8	3-0-12	6-11-4	6-4-4	6-7-12

Scale = 1:77.0



5-11-0	11-1-12	11-3-8	19-0-0	22-0-12	28-10-0	35-4-4	42-0-0
5-11-0	5-2-12	0-1-12	7-8-8	3-0-12	6-9-4	6-6-4	6-7-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.87	Vert(LL)	-0.10	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.21	14-15	>999	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 257 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 7-12, 8-12

REACTIONS. (size) 2=0-3-8, 15=0-3-8, 10=0-3-8
Max Horz 2=201(LC 11)
Max Uplift 2=-36(LC 12)
Max Grav 2=316(LC 21), 15=2031(LC 1), 10=1125(LC 1)

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

TOP CHORD	3-4=-53/612, 4-5=-840/108, 5-6=-987/132, 6-7=-987/132, 7-8=-1143/144, 8-9=-1313/99, 9-10=-1061/81
BOT CHORD	14-15=-565/96, 13-14=0/695, 12-13=-5/986, 11-12=-37/1103
WEBS	3-15=-571/62, 4-15=-1491/139, 4-14=-27/1342, 5-14=-736/93, 5-13=-13/836, 6-13=-339/68, 9-11=-12/1071

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-6, Interior(1) 2-8-6 to 19-0-0, Exterior(2R) 19-0-0 to 24-11-4, Interior(1) 24-11-4 to 29-0-0, Exterior(2R) 29-0-0 to 34-11-4, Interior(1) 34-11-4 to 41-10-4 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) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

October 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A8	Hip	1	1	T25760219
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:22 2021 Page 1

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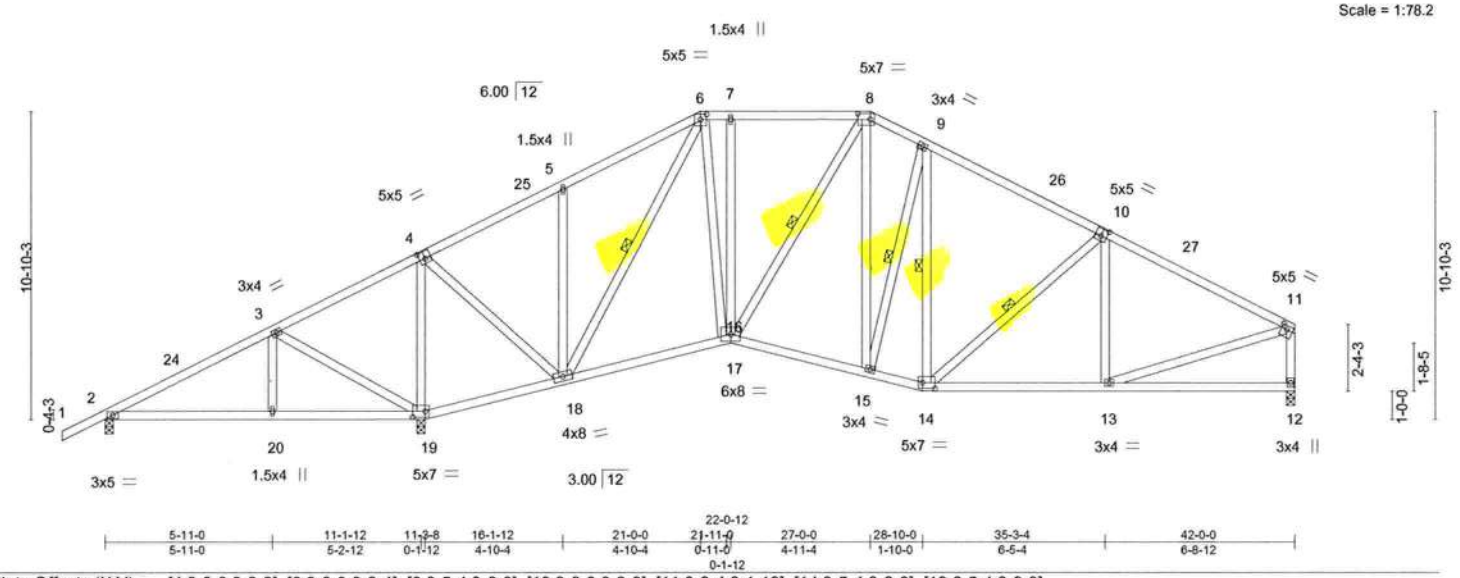
-1-6-0	5-11-0	11-3-8	16-1-12	21-0-0	22-0-12	27-0-0	28-10-0	35-3-4	42-0-0
1-6-0	5-11-0	5-4-8	4-10-4	4-10-4	1-0-12	4-11-4	1-10-0	6-5-4	6-8-12

Scale = 1:78.2



5-11-0	11-1-12	11-2-8	16-1-12	21-0-0	22-0-12	27-0-0	28-10-0	35-3-4	42-0-0
5-11-0	5-2-12	0-1-12	4-10-4	4-10-4	0-11-0	4-11-4	1-10-0	6-5-4	6-8-12
					0-1-12				

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [6:0-2-8,0-2-4], [8:0-5-4,0-2-8], [10:0-2-8,0-3-0], [11:0-2-4,0-1-12], [14:0-5-4,0-2-8], [19:0-5-4,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.06	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.14	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 295 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 8-16, 9-15, 9-14, 10-14, 6-18

REACTIONS. (size) 2=0-3-8, 19=0-3-8, 12=0-3-8
Max Horz 2=219(LC 11)
Max Uplift 2=-29(LC 12), 19=-10(LC 12)
Max Grav 2=328(LC 21), 19=2013(LC 1), 12=1129(LC 1)

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

TOP CHORD	3-4=-63/600, 4-5=-489/88, 5-6=-523/163, 6-7=-851/140, 7-8=-851/140, 8-9=-1047/183, 9-10=-1114/142, 10-11=-1294/80, 11-12=-1065/79
BOT CHORD	18-19=-538/100, 17-18=0/821, 16-17=0/715, 15-16=0/920, 14-15=0/985, 13-14=-18/1069
WEBS	3-19=-578/56, 4-19=-1505/124, 4-18=-48/1229, 5-18=-342/133, 8-15=-92/414, 9-15=-305/122, 11-13=0/995, 6-17=0/785, 6-18=-814/0

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-6, Interior(1) 2-8-6 to 21-0-0, Exterior(2E) 21-0-0 to 27-0-0, Exterior(2R) 27-0-0 to 32-11-4, Interior(1) 32-11-4 to 41-10-4 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 100 lb uplift at joint(s) 2, 19.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

October 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A9	Piggyback Base	1	1	T25760220

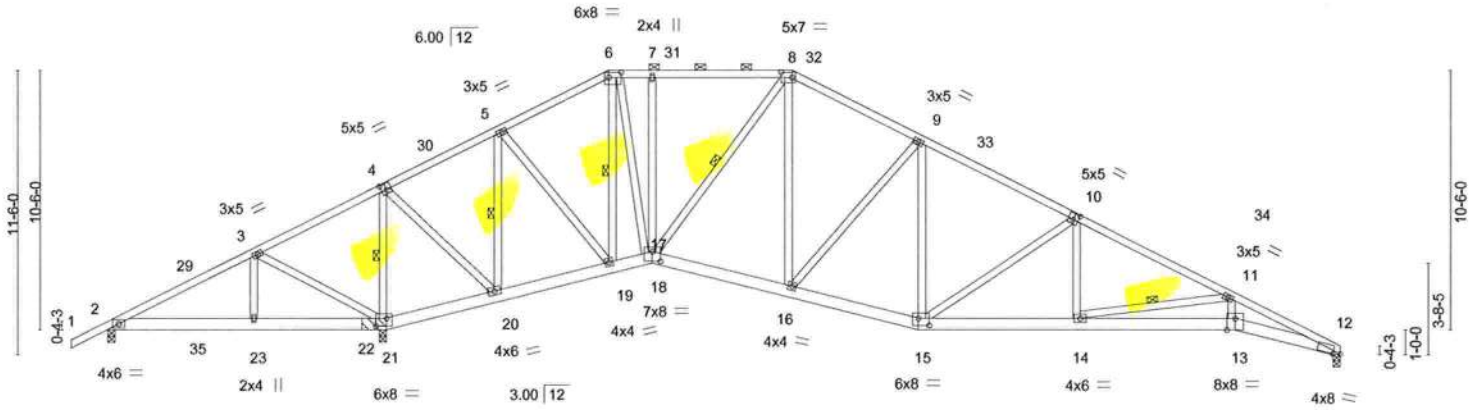
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:24 2021 Page 1

ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-x3UWn77fssmYhSY29_R4WKPmxJbUoJCYG0vtGgyPtHn

1-6-0	5-11-0	11-3-8	15-9-9	20-3-11	22-0-12	27-8-5	32-10-0	39-3-4	45-8-8	50-0-0
1-6-0	5-11-0	5-4-8	4-6-1	4-6-1	1-9-1	5-7-9	5-1-11	6-5-4	6-5-4	4-3-8

Scale = 1:89.9



5-11-0	11-1-12	11-3-8	15-9-9	20-3-11	22-0-12	27-8-5	32-10-0	39-3-4	45-8-8	50-0-0
5-11-0	5-2-12	0-1-12	4-6-1	4-6-1	1-9-1	5-7-9	5-1-11	6-5-4	6-5-4	4-3-8

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [6:0-6-0,0-2-8], [8:0-5-4,0-2-8], [10:0-2-8,0-3-0], [12:0-3-11,0-0-14], [13:0-4-0,Edge], [15:0-5-4,0-3-8], [17:0-4-0,0-4-12], [21:0-5-4,0-3-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.22	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.46	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.17	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 362 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-21, 5-20, 6-19, 8-17, 11-14

REACTIONS. (size) 2=0-3-8, 21=(0-3-8 + bearing block) (req. 0-3-9), 12=0-3-8
Max Horz 2=214(LC 11)
Max Uplift 2=-461(LC 22), 21=-116(LC 12)
Max Grav 2=5(LC 21), 21=3019(LC 1), 12=1317(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/1353, 3-4=-145/1810, 4-5=-42/355, 5-6=-663/54, 6-7=-746/67, 7-8=-746/67, 8-9=-1294/120, 9-10=-1695/113, 10-11=-2588/65, 11-12=-4807/116
BOT CHORD 2-23=-1187/0, 21-23=-1187/0, 20-21=-1676/279, 19-20=-333/248, 18-19=0/579, 17-18=0/534, 16-17=0/1130, 15-16=0/1537, 14-15=0/2221, 13-14=-69/4167, 12-13=-67/4418
WEBS 3-23=-233/256, 3-21=-573/395, 4-21=-2226/127, 4-20=-51/1907, 5-20=-1631/119, 5-19=-2/1201, 6-19=-1036/32, 6-18=-27/1216, 7-17=-278/81, 8-17=-619/108, 8-16=-45/721, 9-16=-616/124, 9-15=0/330, 10-15=-910/42, 10-14=0/592, 11-14=-1969/143, 11-13=0/1043

NOTES-
1) 2x6 SP No.2 bearing block 12" long at jt. 21 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SP No.2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-6-0, Interior(1) 3-6-0 to 20-3-11, Exterior(2R) 20-3-11 to 27-4-8, Interior(1) 27-4-8 to 27-8-5, Exterior(2R) 27-8-5 to 34-9-3, Interior(1) 34-9-3 to 50-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=461, 21=116.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Continued on page 2

JULIUS LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: October 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A9	Piggyback Base	1	1	T25760220
					Job Reference (optional)

NOTES-

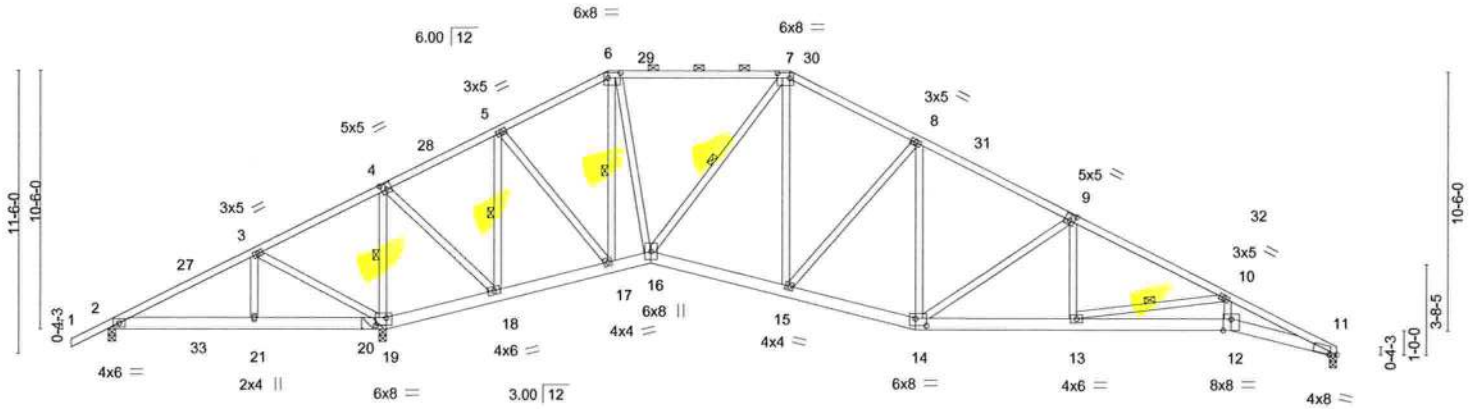
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A10	Piggyback Base	3	1	T25760221
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:42 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-A_yezmdJlyTVf?K_iAhDpTgbXOFfyKoNcTkfo6yPtIR

1-6-0	5-11-0	11-3-8	15-9-9	20-3-11	27-8-5	32-10-0	39-3-4	45-8-8	50-0-0
1-6-0	5-11-0	5-4-8	4-6-1	4-6-1	7-4-10	5-1-11	6-5-4	6-5-4	4-3-8

Scale = 1:90.1



5-11-0	11-1-12	11-3-8	15-9-9	20-3-11	22-0-12	27-8-5	32-10-0	39-3-4	45-8-8	50-0-0
5-11-0	5-2-12	0-1-12	4-6-1	4-6-1	1-9-1	5-7-9	5-1-11	6-5-4	6-5-4	4-3-8

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [6:0-6-0,0-2-8], [7:0-6-0,0-2-8], [9:0-2-8,0-3-0], [11:0-3-11,0-0-14], [12:0-4-0,Edge], [14:0-5-4,0-3-8], [19:0-5-4,0-3-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.22	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.45	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.17	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 352 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-7-14 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-19, 5-18, 6-17, 7-16, 10-13

REACTIONS. (size) 2=0-3-8, 19=(0-3-8 + bearing block) (req. 0-3-9), 11=0-3-8
Max Horz 2=214(LC 11)
Max Uplift 2=-461(LC 22), 19=-114(LC 12)
Max Grav 2=6(LC 21), 19=3020(LC 1), 11=1317(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/1353, 3-4=-143/1811, 4-5=-41/356, 5-6=-661/56, 6-7=-727/59, 7-8=-1292/121, 8-9=-1694/113, 9-10=-2587/66, 10-11=-4806/117
BOT CHORD 2-21=-1189/0, 19-21=-1189/0, 18-19=-1676/277, 17-18=-339/248, 16-17=0/569, 15-16=0/1140, 14-15=0/1534, 13-14=0/2220, 12-13=-70/4167, 11-12=-68/4418
WEBS 3-21=-233/256, 3-19=-573/395, 4-19=-2229/126, 4-18=-48/1903, 5-18=-1616/115, 5-17=-10/1225, 6-17=-957/42, 6-16=0/885, 7-16=-660/126, 7-15=-39/688, 8-15=-608/120, 8-14=0/335, 9-14=-911/43, 9-13=0/591, 10-13=-1970/144, 10-12=0/1043

NOTES-
1) 2x6 SP No.2 bearing block 12" long at jt. 19 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SP No.2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-6-0, Interior(1) 3-6-0 to 20-3-11, Exterior(2R) 20-3-11 to 27-4-8, Interior(1) 27-4-8 to 27-8-5, Exterior(2R) 27-8-5 to 34-9-3, Interior(1) 34-9-3 to 50-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=461, 19=114.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date: October 26,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A11	Piggyback Base	1	1	T25760222
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:43 2021 Page 1
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1-6-0	5-11-0	11-3-8	15-9-9	20-3-11	22-0-12	27-8-5	32-10-0	39-3-4	45-8-8	50-0-0
1-6-0	5-11-0	5-4-8	4-6-1	4-6-1	1-9-1	5-7-9	5-1-11	6-5-4	6-5-4	4-3-8

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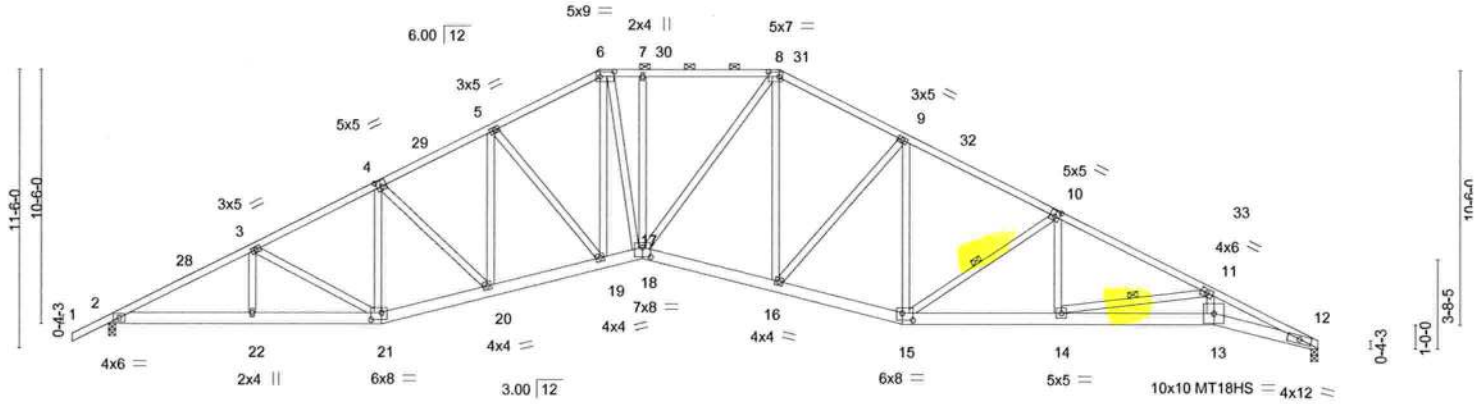

5-11-0	11-3-8	15-9-9	20-3-11	22-0-12	27-8-5	32-10-0	39-3-4	45-8-8	50-0-0
5-11-0	5-4-8	4-6-1	4-6-1	1-9-1	5-7-9	5-1-11	6-5-4	6-5-4	4-3-8

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [6:0-7-0,0-2-8], [8:0-5-4,0-2-8], [10:0-2-8,0-3-0], [15:0-5-4,0-3-8], [17:0-4-0,0-4-12], [21:0-5-4,0-3-8]

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	1.00	Vert(LL)	-0.40	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.79	16-17	>755	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.39	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 360 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
10-12: 2x4 SP No.1
BOT CHORD 2x6 SP No.2 *Except*
13-15,12-13: 2x6 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (2-6-11 max.): 6-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 10-15, 11-14

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=213(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=2091(LC 1), 12=1999(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4077/154, 3-4=-3572/179, 4-5=-3642/209, 5-6=-3508/220, 6-7=-3311/218, 7-8=-3311/218, 8-9=-3226/223, 9-10=-3429/206, 10-11=-4483/169, 11-12=-7517/275
BOT CHORD 2-22=-67/3609, 21-22=-67/3609, 20-21=-26/3218, 19-20=0/3340, 18-19=0/3192, 17-18=0/3137, 16-17=0/2906, 15-16=-8/3130, 14-15=-39/3916, 13-14=-207/6521, 12-13=-212/6895
WEBS 3-22=0/253, 3-21=-561/54, 4-21=-398/34, 5-19=-320/102, 6-19=-55/314, 6-18=-29/1214, 7-17=-264/80, 8-17=-4/889, 8-16=-31/513, 9-16=-381/110, 10-15=-1085/52, 10-14=0/735, 11-14=-2636/183, 11-13=0/1554

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=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-6-0, Interior(1) 3-6-0 to 20-3-11, Exterior(2R) 20-3-11 to 27-4-8, Interior(1) 27-4-8 to 27-8-5, Exterior(2R) 27-8-5 to 34-9-3, Interior(1) 34-9-3 to 50-0-0 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) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:
October 26,2021

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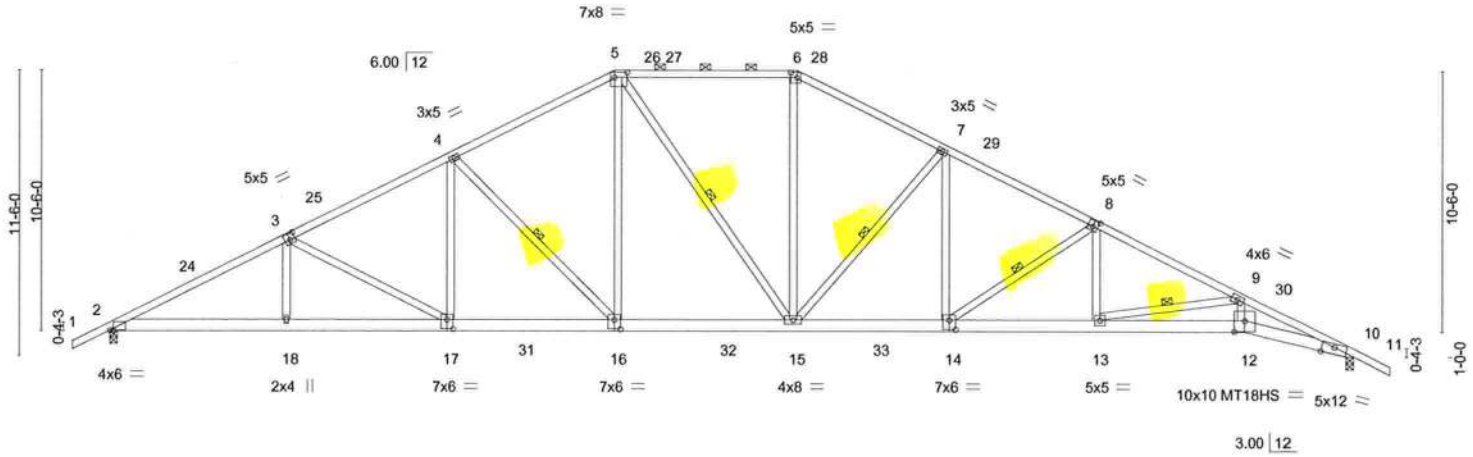
Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A12	Piggyback Base	1	1	T25760223
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:45 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-aZdmcnfC2ts4WS3ZNIEwR6I32bF79ltpIRzJPQyPtIO

1-6-0	7-1-9	13-8-10	20-3-11	27-8-5	33-8-6	39-8-7	45-8-8	50-0-0	51-6-0
1-6-0	7-1-9	6-7-1	6-7-1	7-4-10	6-0-1	6-0-1	6-0-1	4-3-8	1-6-0

Scale = 1:89.3



7-1-9	13-8-10	20-3-11	27-8-5	33-8-6	39-8-7	45-8-8	50-0-0
7-1-9	6-7-1	6-7-1	7-4-10	6-0-1	6-0-1	6-0-1	4-3-8

Plate Offsets (X,Y)-- [2:0-1-8,0-0-1], [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [6:0-3-0,0-2-8], [8:0-2-8,0-3-0], [10:0-6-0,0-3-4], [12:0-5-0,0-5-4], [14:0-3-0,0-4-8], [16:0-3-0,0-4-8], [17:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.44	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.81	14-15	>744	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.35	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 339 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 5-6,8-11: 2x4 SP No.1
BOT CHORD 2x6 SP No.2 *Except* 10-12,12-14: 2x6 SP SS
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=218(LC 11)
Max Uplift 2=-35(LC 12), 10=-37(LC 12)
Max Grav 2=2376(LC 17), 10=2379(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4559/133, 3-4=-3831/194, 4-5=-3129/228, 5-6=-2830/230, 6-7=-3208/225, 7-8=-4045/205, 8-9=-5192/160, 9-10=-8529/210
BOT CHORD 2-18=0/4150, 17-18=-0/4142, 16-17=0/3494, 15-16=0/2815, 14-15=0/3510, 13-14=-22/4544, 12-13=-141/7378, 10-12=-141/7812
WEBS 3-18=0/349, 3-17=-728/24, 4-17=0/595, 4-16=-976/102, 5-16=0/970, 5-15=-133/328, 6-15=0/1069, 7-15=-1202/114, 7-14=0/904, 8-14=-1251/35, 8-13=0/928, 9-13=-2871/123, 9-12=0/1804

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=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-6-0, Interior(1) 3-6-0 to 20-3-11, Exterior(2R) 20-3-11 to 27-4-8, Interior(1) 27-4-8 to 27-8-5, Exterior(2R) 27-8-5 to 34-9-3, Interior(1) 34-9-3 to 51-6-0 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) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date: October 26,2021

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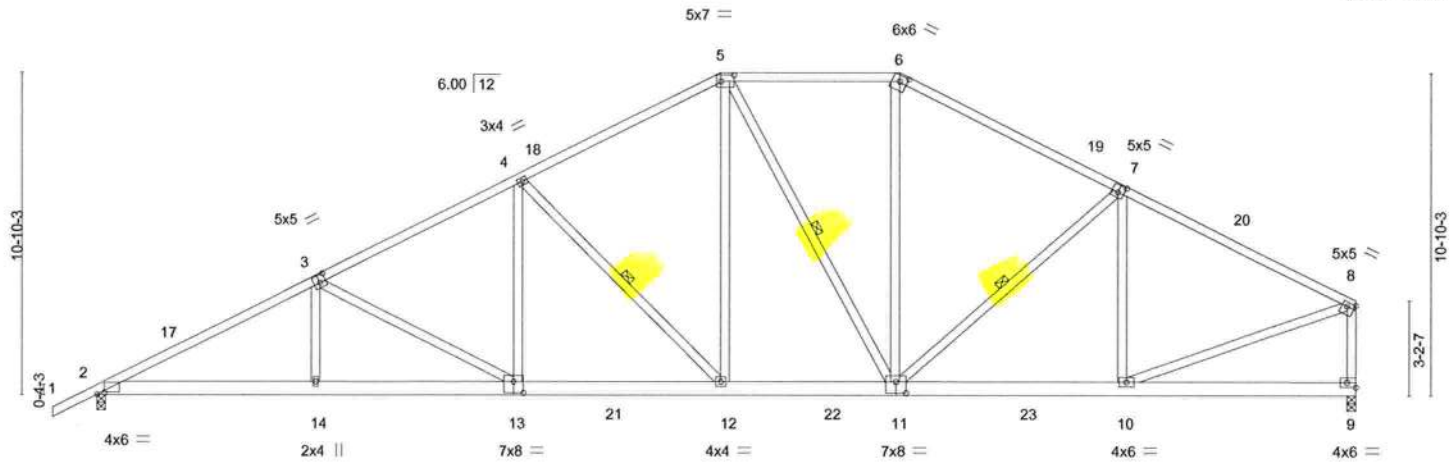
Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A13	Hip	1	1	T25760224
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:46 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-2lB8p7gqpB_x8celx0m9_JrE5?d3uB?yW5isxtyPtIN

-1-6-0	7-4-5	14-2-3	21-0-0	27-0-0	34-6-0	42-3-8
1-6-0	7-4-5	6-9-13	6-9-13	6-0-0	7-6-0	7-9-8

Scale = 1:74.6



7-4-5	14-2-3	21-0-0	27-0-0	34-6-0	42-3-8
7-4-5	6-9-13	6-9-13	6-0-0	7-6-0	7-9-8

Plate Offsets (X,Y)-- [2:0-3-0,0-0-13], [3:0-2-8,0-3-0], [5:0-5-4,0-2-8], [6:0-3-0,0-2-7], [7:0-2-8,0-3-0], [8:Edge,0-1-12], [9:Edge,0-2-0], [11:0-4-0,0-4-8], [13:0-4-0,0-4-8]

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	0.90	Vert(LL)	-0.20	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.36	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 297 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 6-7,7-8: 2x4 SP No.1
BOT CHORD 2x6 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 4-12, 5-11, 7-11

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=237(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=2026(LC 17), 9=1919(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3757/100, 3-4=-3003/162, 4-5=-2287/192, 5-6=-1802/209, 6-7=-2059/188, 7-8=-2148/110, 8-9=-1799/107
BOT CHORD 2-14=-136/3412, 13-14=-138/3404, 12-13=-118/2738, 11-12=-40/2054, 10-11=-49/1830
WEBS 3-14=0/364, 3-13=-749/24, 4-13=0/585, 4-12=-993/110, 5-12=0/1042, 5-11=-444/9, 6-11=0/556, 7-10=-390/116, 8-10=0/1838

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 21-0-0, Exterior(2E) 21-0-0 to 27-0-0, Exterior(2R) 27-0-0 to 32-11-12, Interior(1) 32-11-12 to 42-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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October 26,2021

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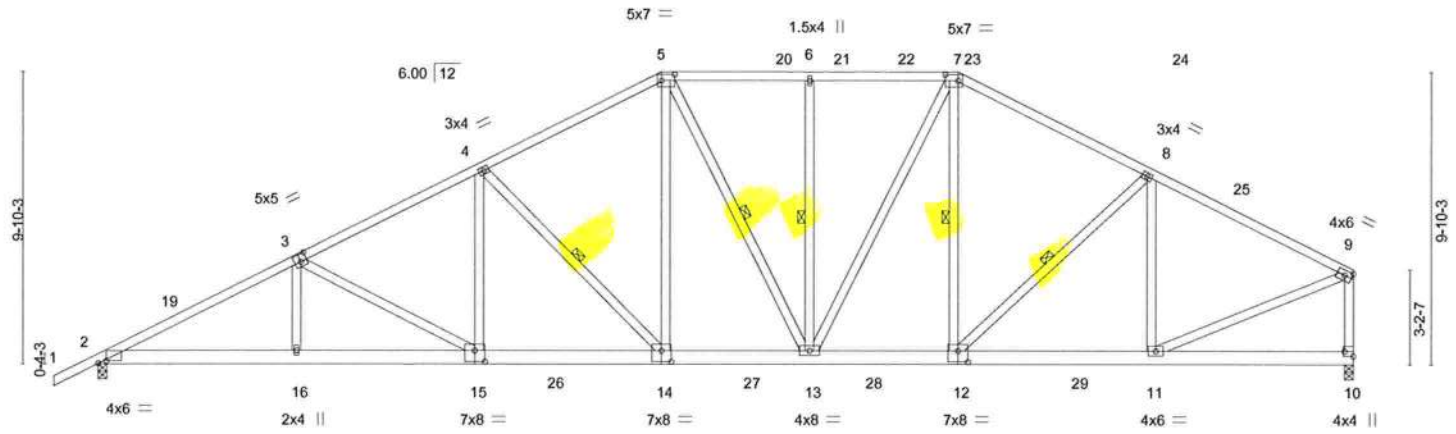
Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A14	Hip	1	1	T25760225
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:48 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-_8JvEph4KoEfNwn82Rod3kwdapKIM7mF_PBz?lyPtIL

-1-6-0	6-8-5	12-10-3	19-0-0	24-0-0	29-0-0	35-6-0	42-3-8
1-6-0	6-8-5	6-1-13	6-1-13	5-0-0	5-0-0	6-6-0	6-9-8

Scale = 1:74.8



6-8-5	12-10-3	19-0-0	24-0-0	29-0-0	35-6-0	42-3-8
6-8-5	6-1-13	6-1-13	5-0-0	5-0-0	6-6-0	6-9-8

Plate Offsets (X,Y)-- [2:0-3-4,0-1-1], [3:0-2-8,0-3-0], [5:0-5-4,0-2-8], [7:0-5-4,0-2-8], [10:Edge,0-3-8], [12:0-4-0,0-4-8], [14:0-4-0,0-4-8], [15:0-4-0,0-4-8]

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	0.71	Vert(LL)	-0.20	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.37	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 313 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 5-13, 6-13, 7-12, 8-12

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=219(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=2032(LC 17), 10=1929(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3819/102, 3-4=-3146/158, 4-5=-2492/189, 5-6=-2131/190, 6-7=-2131/190, 7-8=-2153/181, 8-9=-2097/120, 9-10=-1823/103
BOT CHORD 2-16=-144/3463, 15-16=-145/3455, 14-15=-128/2858, 13-14=-61/2223, 12-13=-43/1884, 11-12=-69/1800
WEBS 3-16=0/325, 3-15=-671/21, 4-15=0/552, 4-14=-914/97, 5-14=-10/871, 6-13=-317/78, 7-13=-20/655, 8-11=-514/115, 9-11=-37/1880

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 19-0-0, Exterior(2R) 19-0-0 to 24-11-12, Interior(1) 24-11-12 to 29-0-0, Exterior(2R) 29-0-0 to 34-11-12, Interior(1) 34-11-12 to 42-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:
October 26,2021

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A15	Hip	1	1	T25760226

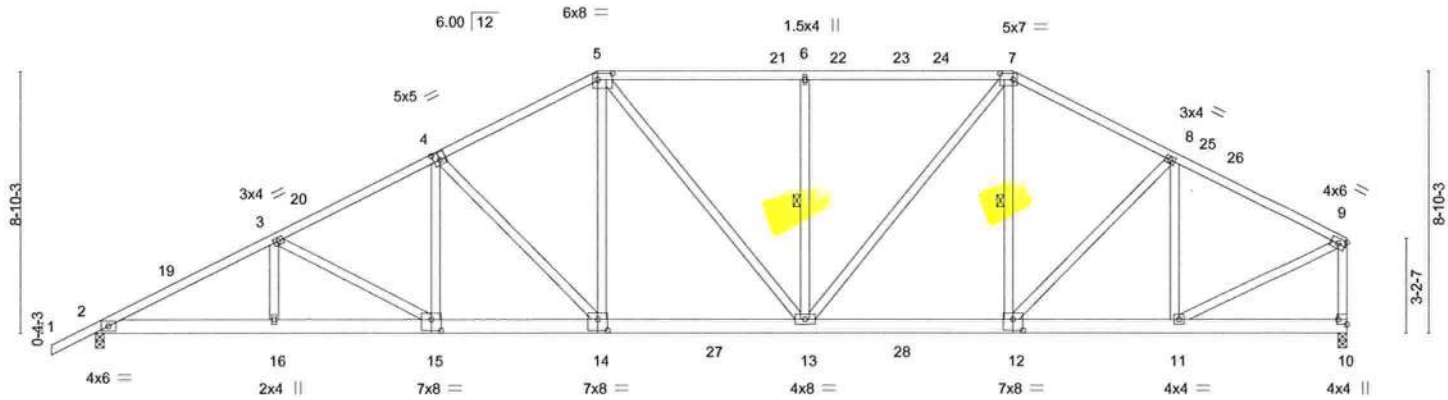
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:49 2021 Page 1

ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-TKtHR9ii56MW?4MKc8JsbySsmChB5WCOD3xWYCyPtIK

-1-6-0	6-0-5	11-6-3	17-0-0	24-0-0	31-0-0	36-6-0	42-3-8
1-6-0	6-0-5	5-5-13	5-5-13	7-0-0	7-0-0	5-6-0	5-9-8

Scale = 1:75.0



6-0-5	11-6-3	17-0-0	24-0-0	31-0-0	36-6-0	42-3-8
6-0-5	5-5-13	5-5-13	7-0-0	7-0-0	5-6-0	5-9-8

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-5-4,0-2-8], [10:Edge,0-3-8], [12:0-4-0,0-4-8], [14:0-4-0,0-4-8], [15:0-4-0,0-4-8]

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	0.49	Vert(LL)	-0.19	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.35	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 301 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-13, 7-12

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=200(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=2009(LC 17), 10=1899(LC 18)

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

TOP CHORD	2-3=-3840/116, 3-4=-3230/145, 4-5=-2634/174, 5-6=-2378/179, 6-7=-2378/179, 7-8=-2147/168, 8-9=-1937/113, 9-10=-1804/97
BOT CHORD	2-16=-167/3507, 15-16=-167/3507, 14-15=-122/2880, 13-14=-75/2380, 12-13=-53/1874, 11-12=-68/1664
WEBS	3-16=0/274, 3-15=-693/53, 4-15=0/519, 4-14=-730/68, 5-14=0/762, 5-13=-25/290, 6-13=-469/109, 7-13=-20/867, 8-12=-3/359, 8-11=-616/105, 9-11=-40/1798

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 17-0-0, Exterior(2R) 17-0-0 to 22-11-12, Interior(1) 22-11-12 to 31-0-0, Exterior(2R) 31-0-0 to 36-11-12, Interior(1) 36-11-12 to 42-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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October 26,2021

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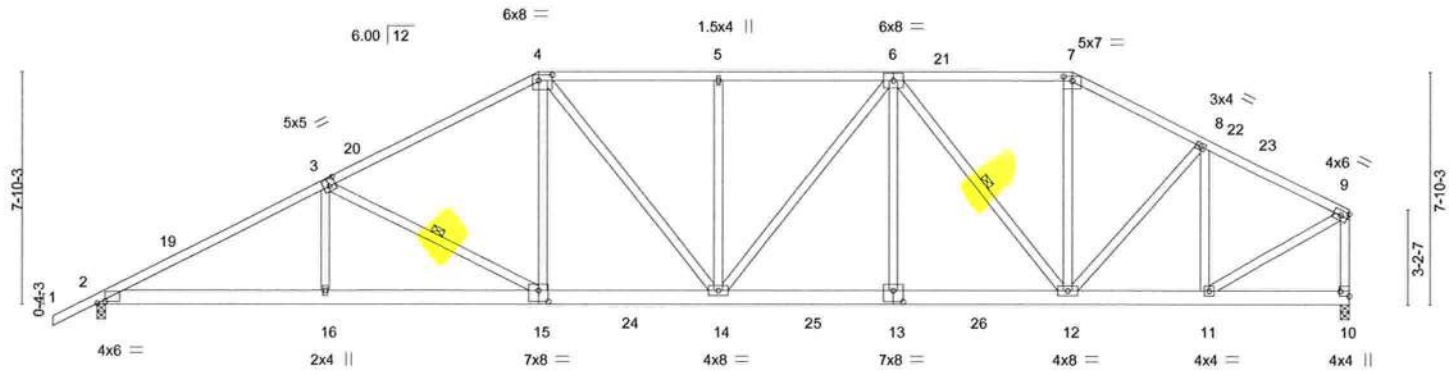
Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A16	Hip	1	1	T25760227

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:50 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-xWRffVjLsQUNcExWArq589?v0c_iq3KYRjg44eyPtlJ

-1-6-0	7-9-4	15-0-0	21-0-9	26-11-7	33-0-0	37-6-0	42-3-8
1-6-0	7-9-4	7-2-12	6-0-9	5-10-13	6-0-9	4-6-0	4-9-8

Scale = 1:75.0



7-9-4	15-0-0	21-0-9	26-11-7	33-0-0	37-6-0	42-3-8
7-9-4	7-2-12	6-0-9	5-10-13	6-0-9	4-6-0	4-9-8

Plate Offsets (X,Y)-- [2:0-3-4,0-0-13], [3:0-2-8,0-3-0], [4:0-5-8,0-2-4], [7:0-3-8,0-1-12], [10:Edge,0-3-8], [13:0-4-0,0-4-8], [15:0-4-0,0-4-8]

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	0.97	Vert(LL)	-0.19	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.35	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 297 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 3-4,1-3: 2x4 SP No.1
BOT CHORD 2x6 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 3-15, 6-12

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=182(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=2014(LC 17), 10=1902(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3700/102, 3-4=-2870/156, 4-5=-2750/171, 5-6=-2750/171, 6-7=-1892/153, 7-8=-2142/147, 8-9=-1777/107, 9-10=-1814/94
BOT CHORD 2-16=-134/3314, 15-16=-136/3306, 14-15=-92/2574, 13-14=-77/2529, 12-13=-77/2529, 11-12=-69/1528
WEBS 3-16=0/389, 3-15=-833/50, 4-15=0/603, 4-14=-0/518, 5-14=-417/98, 6-14=-9/425, 6-13=0/265, 6-12=-1037/35, 7-12=0/641, 8-12=0/559, 8-11=-783/85, 9-11=-47/1736

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 15-0-0, Exterior(2R) 15-0-0 to 21-0-9, Interior(1) 21-0-9 to 33-0-0, Exterior(2R) 33-0-0 to 38-11-12, Interior(1) 38-11-12 to 42-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

October 26,2021

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A17	Hip	1	1	T25760228
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:52 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-tvYQ4BkbO1k4sX5vHGsZDa4FbQhDIwgrv19A8WyPtIH

-1-6-0	6-9-4	13-0-0	20-4-9	27-7-7	35-0-0	42-3-8
1-6-0	6-9-4	6-2-12	7-4-9	7-2-13	7-4-9	7-3-8

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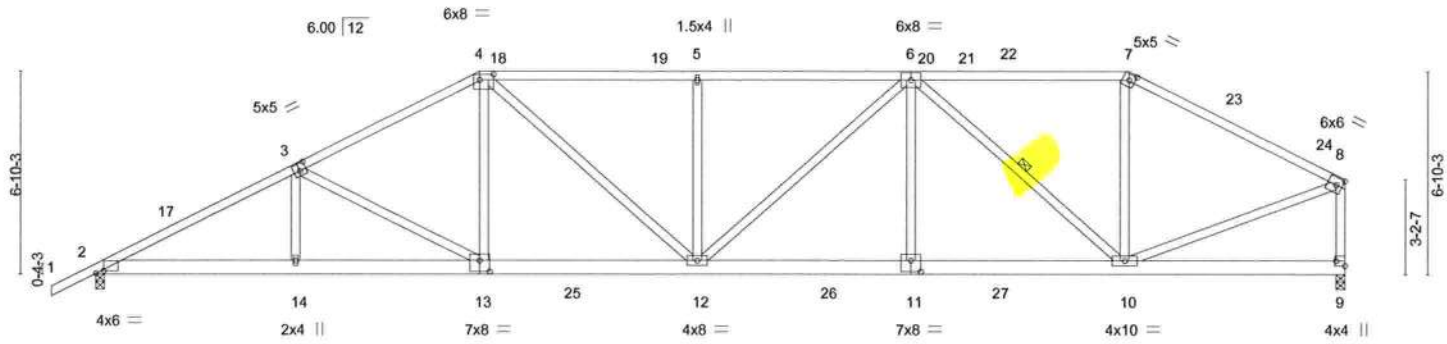

6-9-4	13-0-0	20-4-9	27-7-7	35-0-0	42-3-8
6-9-4	6-2-12	7-4-9	7-2-13	7-4-9	7-3-8

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

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	0.96	Vert(LL)	-0.24	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.43	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 275 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=163(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=2011(LC 17), 9=1898(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3768/104, 3-4=-3063/147, 4-5=-3186/161, 5-6=-3186/161, 6-7=-1848/134, 7-8=-2116/110, 8-9=-1785/105
BOT CHORD 2-14=-145/3375, 13-14=-147/3367, 12-13=-105/2747, 11-12=-89/2846, 10-11=-89/2846
WEBS 3-14=0/332, 3-13=-708/48, 4-13=0/561, 4-12=-3/775, 5-12=-520/121, 6-12=-13/504, 6-11=0/311, 6-10=-1360/38, 7-10=0/555, 8-10=-27/1882

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 13-0-0, Exterior(2R) 13-0-0 to 18-11-12, Interior(1) 18-11-12 to 35-0-0, Exterior(2R) 35-0-0 to 40-11-12, Interior(1) 40-11-12 to 42-1-12 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) The Fabrication Tolerance at joint 7 = 12%
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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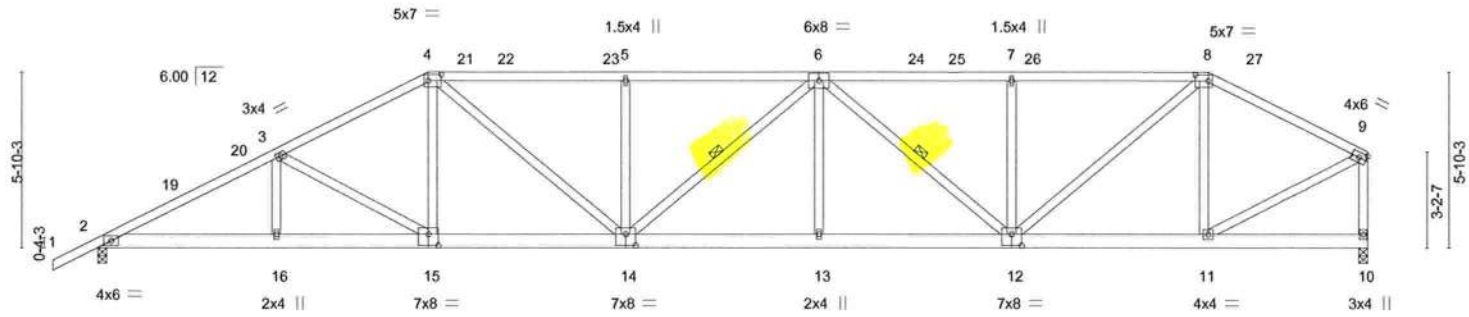
Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A18	Hip	1	1	T25760229
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:53 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-L56oHXID9LsxThg5r_OomodWTq3v1Ru_7hvkhzyPtIG

-1-6-0	5-11-4	11-0-0	17-6-14	24-0-0	30-5-2	37-0-0	42-3-8
1-6-0	5-11-4	5-0-12	6-6-14	6-5-2	6-5-2	6-6-14	5-3-8

Scale = 1:73.8



5-11-4	11-0-0	17-6-14	24-0-0	30-5-2	37-0-0	42-3-8
5-11-4	5-0-12	6-6-14	6-5-2	6-5-2	6-6-14	5-3-8

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

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	0.63	Vert(LL)	-0.22	14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.44	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 277 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-14, 6-12

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=145(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1777(LC 1), 10=1684(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3378/118, 3-4=-2886/140, 4-5=-3198/165, 5-6=-3198/165, 6-7=-2652/146, 7-8=-2652/146, 8-9=-1682/93, 9-10=-1635/92
BOT CHORD 2-16=-168/2967, 15-16=-168/2967, 14-15=-112/2517, 13-14=-95/3190, 12-13=-95/3190, 11-12=-62/1428
WEBS 3-16=0/266, 3-15=-523/65, 4-15=0/423, 4-14=-29/983, 5-14=-461/113, 6-13=0/310, 6-12=-724/0, 7-12=-461/111, 8-12=-62/1622, 8-11=-632/109, 9-11=-38/1596

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 11-0-0, Exterior(2R) 11-0-0 to 16-11-12, Interior(1) 16-11-12 to 37-0-0, Exterior(2E) 37-0-0 to 42-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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October 26,2021

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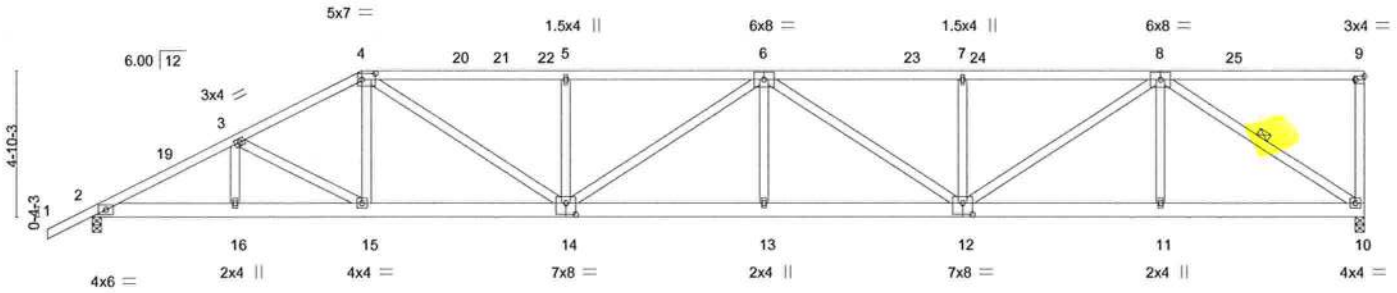
Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A19	Half Hip	1	1	T25760230
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:22:55 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-HUEYiCnThy6fj?qUyPQGrDipHdlgVFlHb?OrlryPtlE

-1-6-0	4-9-4	9-0-0	15-8-15	22-4-2	28-11-6	35-6-9	42-3-8
1-6-0	4-9-4	4-2-12	6-8-15	6-7-3	6-7-3	6-7-3	6-8-15

Scale = 1:73.7



4-9-4	9-0-0	15-8-15	22-4-2	28-11-6	35-6-9	42-3-8
4-9-4	4-2-12	6-8-15	6-7-3	6-7-3	6-7-3	6-8-15

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

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	0.81	Vert(LL)	-0.29	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.59	13-14	>851	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 268 lb	FT = 20%

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

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

REACTIONS. (size) 10=0-3-8, 2=0-3-8
Max Horz 2=145(LC 9)
Max Uplift 2=-36(LC 12)
Max Grav 10=1684(LC 1), 2=1777(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3406/94, 3-4=-3064/115, 4-5=-3770/158, 5-6=-3770/158, 6-7=-3480/130, 7-8=-3480/130
BOT CHORD 2-16=-228/3014, 15-16=-228/3014, 14-15=-161/2702, 13-14=-126/3962, 12-13=-126/3962, 11-12=-66/2108, 10-11=-66/2108
WEBS 3-15=-372/74, 4-15=0/411, 4-14=-48/1356, 5-14=-470/116, 6-14=-297/0, 6-13=0/315, 6-12=-582/0, 7-12=-487/106, 8-12=-78/1657, 8-11=0/308, 8-10=-2486/31

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 9-0-0, Exterior(2R) 9-0-0 to 14-11-12, Interior(1) 14-11-12 to 42-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:
October 26,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A20GIR	Half Hip Girder	1	2	T25760231

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:13 2021 Page 1

ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-mxKMUM?mSUN6tmCx0BlVa0StQurXjOTxkoloNpyPtHy

-1-6-0	7-0-0	12-11-12	18-9-12	24-7-12	30-5-12	36-3-12	42-3-8
1-6-0	7-0-0	5-11-12	5-10-0	5-10-0	5-10-0	5-10-0	5-11-12

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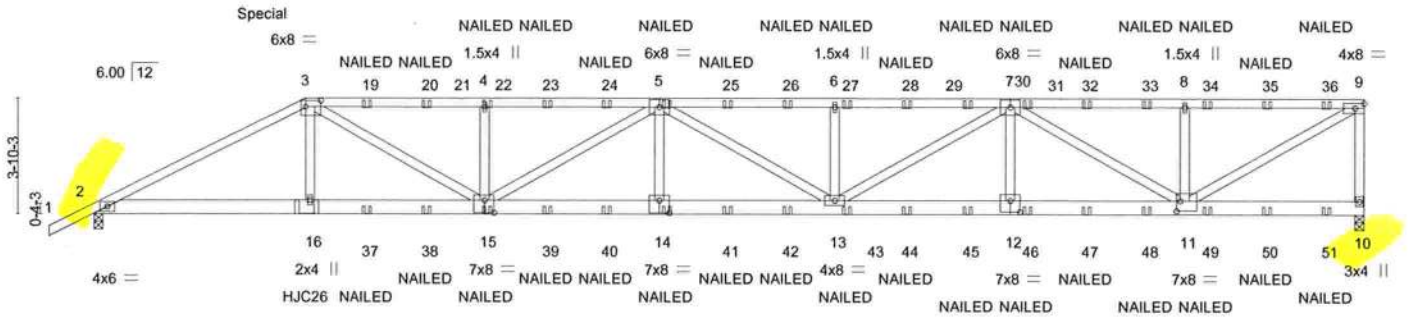

7-0-0	12-11-12	18-9-12	24-7-12	30-5-12	36-3-12	42-3-8
7-0-0	5-11-12	5-10-0	5-10-0	5-10-0	5-10-0	5-11-12

Plate Offsets (X,Y)-- [3:0-6-0,0-2-8], [11:0-1-8,0-4-0], [12:0-4-0,0-4-8], [14:0-4-0,0-5-0], [15:0-3-12,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	0.43	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.82	13-14	>616	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 509 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP SS *Except*
1-3: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
12-14,14-15: 2x6 SP SS
WEBS 2x4 SP No.2

BRACING-

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

REACTIONS. (size) 10=0-3-8, 2=0-3-8
Max Horz 2=115(LC 22)
Max Uplift 10=-800(LC 8), 2=-740(LC 8)
Max Grav 10=3672(LC 1), 2=3523(LC 1)

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

TOP CHORD 2-3=-7254/1599, 3-4=-9756/2194, 4-5=-9756/2194, 5-6=-10983/2437, 6-7=-10983/2437, 7-8=-5476/1231, 8-9=-5476/1231, 9-10=-3516/784
BOT CHORD 2-16=-1382/6411, 15-16=-1387/6439, 14-15=-2409/11119, 13-14=-2409/11119, 12-13=-1925/8960, 11-12=-1925/8960
WEBS 3-16=-119/780, 3-15=-855/3900, 4-15=-850/226, 5-15=-1611/329, 5-14=-37/462, 6-13=-858/231, 7-13=-517/2354, 7-12=-39/421, 7-11=-4054/887, 8-11=-847/231, 9-11=-1375/6293

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp 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 100 lb uplift at joint(s) except (jt=lb) 10=800, 2=740.
10) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 7-0-6 from the left end to connect truss(es) to back face of bottom chord.

Continued on page 2

JULIUS LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date: October 26,2021

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	A20GIR	Half Hip Girder	1	2	T25760231
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:13 2021 Page 2
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NOTES-

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) 231 lb down and 153 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-9=-60, 2-10=-20
   Concentrated Loads (lb)
   Vert: 3=-184(B) 16=-358(B) 15=-62(B) 4=-125(B) 5=-125(B) 14=-62(B) 19=-125(B) 20=-125(B) 23=-125(B) 24=-125(B) 25=-125(B) 26=-125(B) 27=-125(B) 28=-125(B) 30=-125(B) 31=-125(B) 32=-125(B) 33=-125(B) 34=-125(B) 35=-125(B) 36=-125(B) 37=-62(B) 38=-62(B) 39=-62(B) 40=-62(B) 41=-62(B) 42=-62(B) 43=-62(B) 44=-62(B) 45=-62(B) 46=-62(B) 47=-62(B) 48=-62(B) 49=-62(B) 50=-62(B) 51=-62(B)

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	B1GIR	Hip Girder	1	2	T25760232

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:26 2021 Page 1

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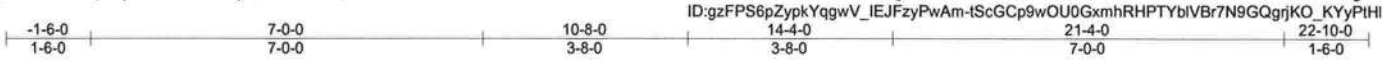

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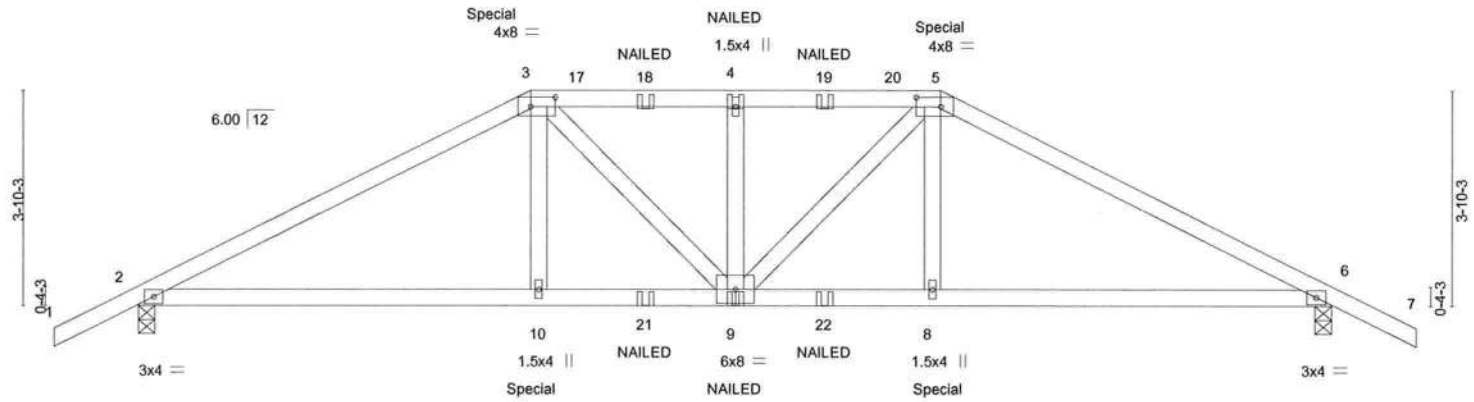

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [5:0-5-4,0-2-0]

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	0.46	Vert(LL)	-0.06	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.12	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 199 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=70(LC 24)
Max Grav 2=1767(LC 1), 6=1767(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3207/0, 3-4=-3133/0, 4-5=-3133/0, 5-6=-3207/0
BOT CHORD 2-10=0/2787, 9-10=0/2809, 8-9=0/2809, 6-8=0/2787
WEBS 3-10=0/636, 3-9=-67/539, 4-9=-510/125, 5-9=-67/539, 5-8=0/636

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp 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) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 231 lb down and 136 lb up at 7-0-0, and 231 lb down and 136 lb up at 14-4-0 on top chord, and 358 lb down at 7-0-0, and 358 lb down at 14-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 26,2021

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	B1GIR	Hip Girder	1	2	T25760232
					Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 3=-184(B) 5=-184(B) 10=-358(B) 9=-62(B) 4=-125(B) 8=-358(B) 18=-125(B) 19=-125(B) 21=-62(B) 22=-62(B)

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	B2	Hip	1	1	T25760233
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:27 2021 Page 1
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-1-6-0	4-9-4	9-0-0	12-4-0	16-6-12	21-4-0	22-10-0
1-6-0	4-9-4	4-2-12	3-4-0	4-2-12	4-9-4	1-6-0

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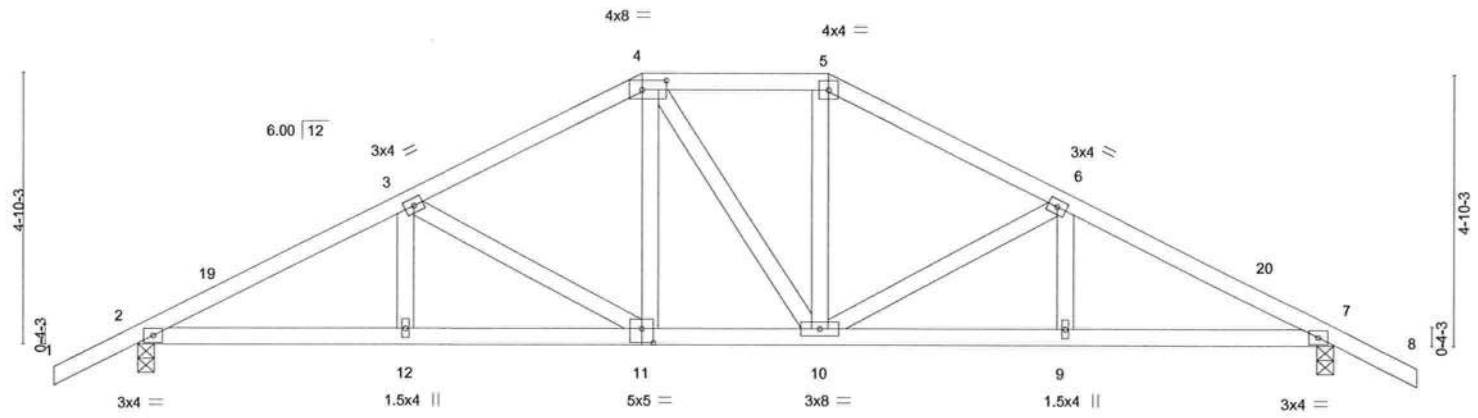

4-9-4	9-0-0	12-4-0	16-6-12	21-4-0
4-9-4	4-2-12	3-4-0	4-2-12	4-9-4

Plate Offsets (X,Y)-- [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	0.17	Vert(LL)	-0.05	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.10	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 113 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-87(LC 10)
Max Uplift 2=-37(LC 12), 7=-37(LC 12)
Max Grav 2=943(LC 1), 7=943(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1533/95, 3-4=-1149/115, 4-5=-979/120, 5-6=-1148/110, 6-7=-1530/96
BOT CHORD 2-12=-15/1325, 11-12=-15/1325, 10-11=0/971, 9-10=-30/1323, 7-9=-30/1323
WEBS 3-11=-409/54, 4-11=0/274, 5-10=0/297, 6-10=-405/59

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 9-0-0, Exterior(2E) 9-0-0 to 12-4-0, Exterior(2R) 12-4-0 to 16-6-12, Interior(1) 16-6-12 to 22-10-0 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 100 lb uplift at joint(s) 2, 7.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
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Date:
October 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	B3	Common	1	1	T25760234
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:29 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-I0HPrqBohPOqoDQ0yY1FDO7IBKP6TkwHPHdextyPtHi

-1-6-0	5-7-4	10-8-0	15-8-12	21-4-0	22-10-0
1-6-0	5-7-4	5-0-12	5-0-12	5-7-4	1-6-0

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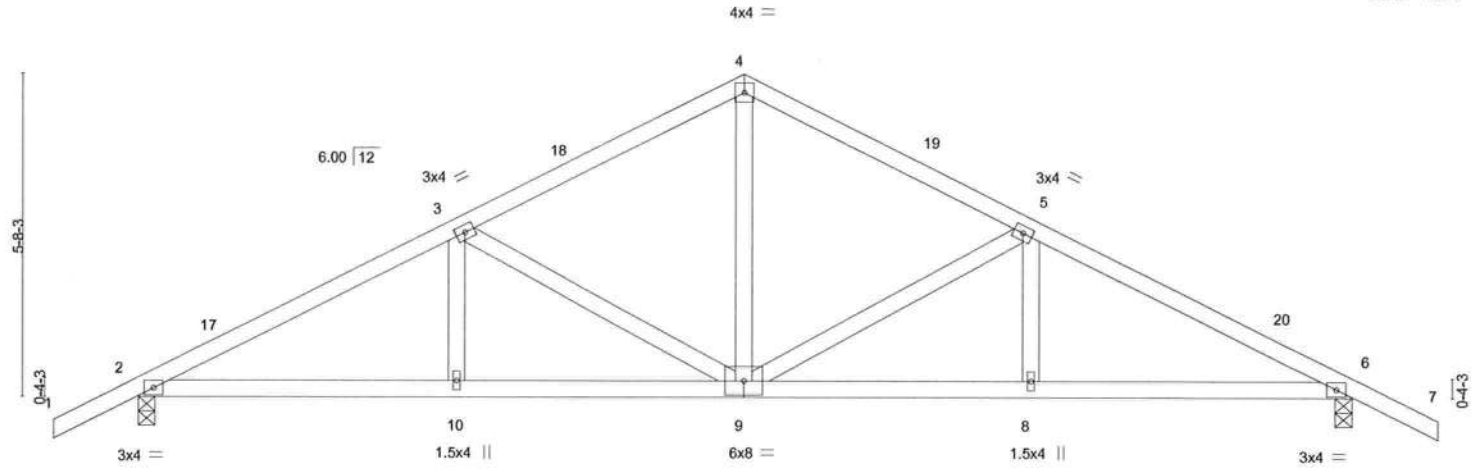

5-7-4	10-8-0	15-8-12	21-4-0
5-7-4	5-0-12	5-0-12	5-7-4

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	0.26	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	0.29	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 104 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-100(LC 10)
Max Uplift 2=-37(LC 12), 6=-37(LC 12)
Max Grav 2=943(LC 1), 6=943(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1498/127, 3-4=-1024/146, 4-5=-1024/146, 5-6=-1498/127
BOT CHORD 2-10=-27/1287, 9-10=-27/1287, 8-9=-40/1287, 6-8=-40/1287
WEBS 4-9=-22/569, 5-9=-513/80, 3-9=-513/80

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 10-8-0, Exterior(2R) 10-8-0 to 13-8-0, Interior(1) 13-8-0 to 22-10-0 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.

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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 26,2021

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	B4	Common	4	1	T25760235
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:30 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-mDrn2ACQRiXhPN?CWFYUmbfwfklzCB_RexMBTKyPtHh

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

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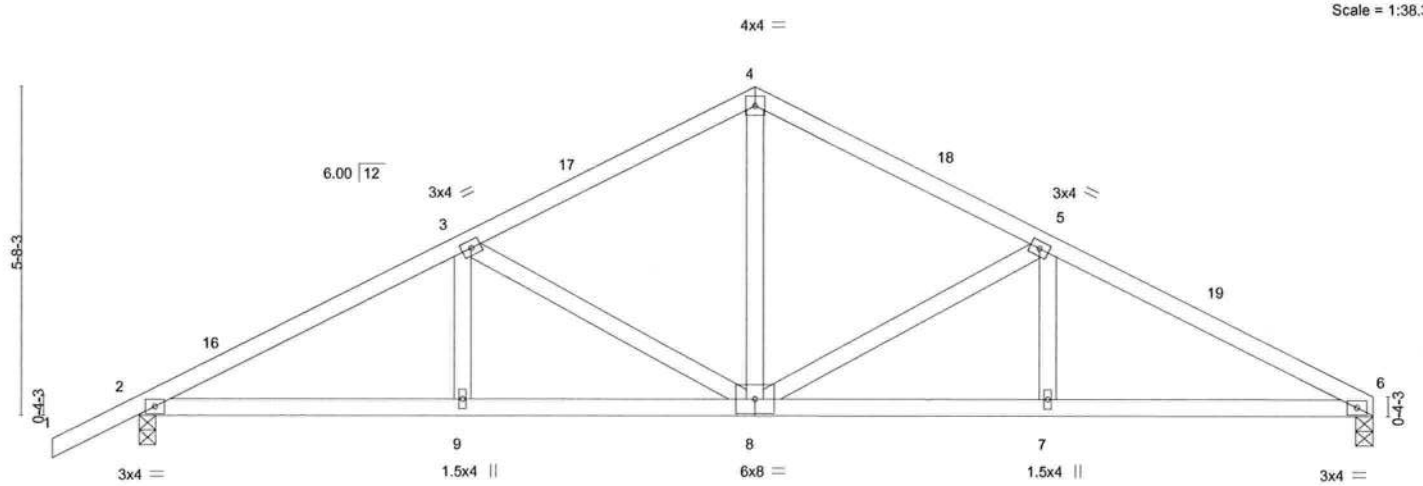

5-7-4	10-8-0	15-8-12	21-4-0
5-7-4	5-0-12	5-0-12	5-7-4

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)	-0.05	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.11	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 102 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=0-3-8, 2=0-3-8
Max Horz 2=98(LC 11)
Max Uplift 2=-38(LC 12)
Max Grav 6=850(LC 1), 2=946(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1505/135, 3-4=-1031/148, 4-5=-1032/154, 5-6=-1508/144
BOT CHORD 2-9=-70/1294, 8-9=-70/1294, 7-8=-71/1311, 6-7=-71/1311
WEBS 4-8=-30/577, 5-8=-533/86, 3-8=-513/80

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 10-8-0, Exterior(2R) 10-8-0 to 13-8-0, Interior(1) 13-8-0 to 21-4-0 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 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.

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Date:

October 26,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	C1GIR	Hip Girder	1	2	T25760236

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:32 2021 Page 1

ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-ibzXTsDhzKnPfh9bdgayr0kHTYRrg8Bk5FrlYCyPtHf

-1-6-0	3-9-4	7-0-0	10-10-0	14-8-0	17-10-12	21-8-0	23-2-0
1-6-0	3-9-4	3-2-12	3-10-0	3-10-0	3-2-12	3-9-4	1-6-0

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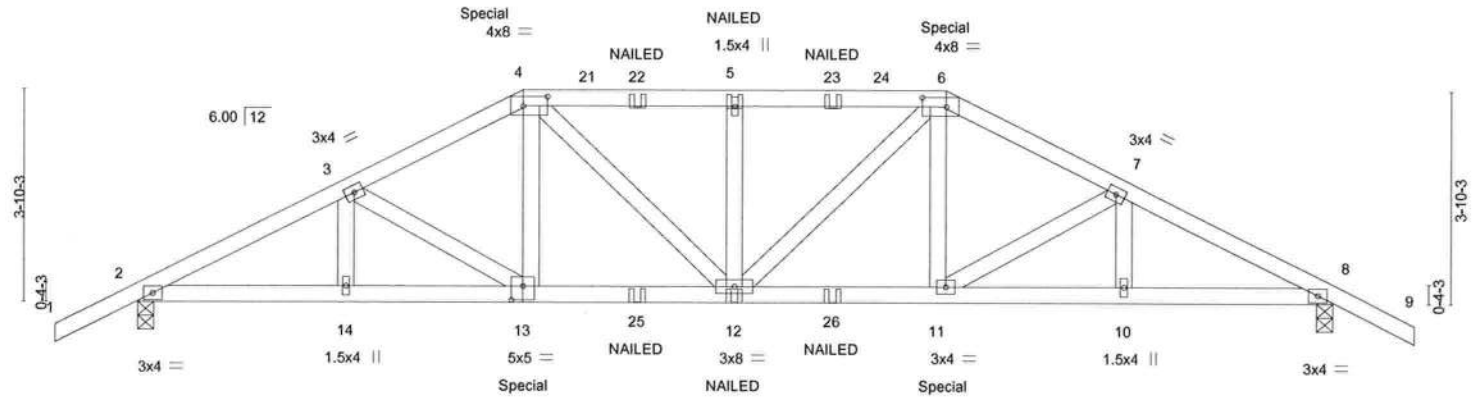

3-9-4	7-0-0	10-10-0	14-8-0	17-10-12	21-8-0
3-9-4	3-2-12	3-10-0	3-10-0	3-2-12	3-9-4

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [6:0-5-4,0-2-0], [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	0.20	Vert(LL)	0.08	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.13	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 233 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=70(LC 24)
Max Uplift 2=-488(LC 8), 8=-487(LC 8)
Max Grav 2=1783(LC 1), 8=1778(LC 1)

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

TOP CHORD	2-3=-3368/904, 3-4=-3139/889, 4-5=-3196/918, 5-6=-3196/918, 6-7=-3132/886, 7-8=-3354/900
BOT CHORD	2-14=-746/2967, 13-14=-746/2967, 12-13=-700/2777, 11-12=-700/2795, 10-11=-743/2955, 8-10=-743/2955
WEBS	4-13=-170/579, 4-12=-163/616, 5-12=-543/145, 6-12=-156/593, 6-11=-174/602

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=488, 8=487.
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 151 lb up at 7-0-0, and 231 lb down and 151 lb up at 14-8-0 on top chord, and 358 lb down and 132 lb up at 7-0-0, and 358 lb down and 132 lb up at 14-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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6904 Parke East Blvd. Tampa FL 33610
Date: October 26,2021

LOAD CASE(S) Standard

Continued on page 2

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	C1GIR	Hip Girder	1	2	T25760236

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:32 2021 Page 2
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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-6=-60, 6-9=-60, 15-18=-20
   Concentrated Loads (lb)
   Vert: 4=-184(F) 6=-184(F) 13=-358(F) 12=-62(F) 5=-125(F) 11=-358(F) 22=-125(F) 23=-125(F) 25=-62(F) 26=-62(F)

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	CJ01	Diagonal Hip Girder	7	1	T25760237
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:34 2021 Page 1
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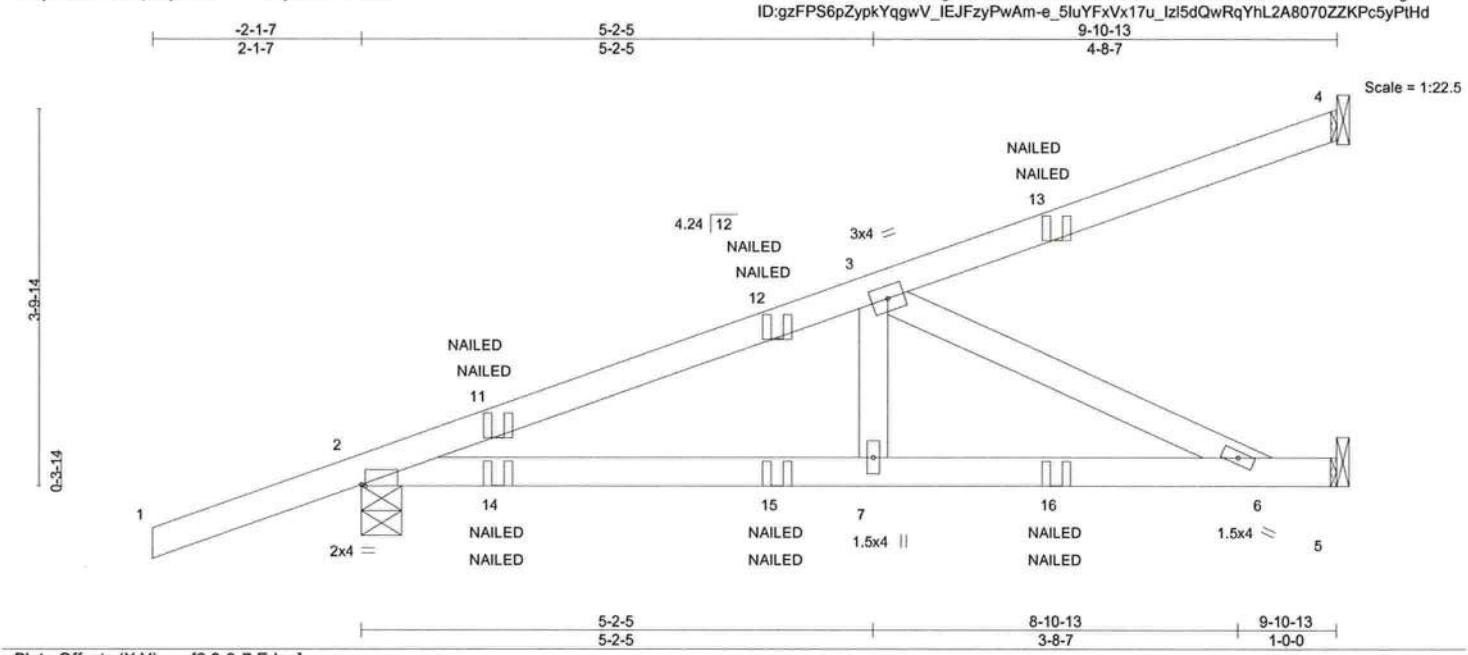

Plate Offsets (X,Y)-- [2:0-0-7,Edge]

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	0.47	Vert(LL)	0.07	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.12	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 43 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) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=111(LC 8)
Max Uplift 4=-38(LC 8), 2=-211(LC 8), 5=-104(LC 8)
Max Grav 4=144(LC 1), 2=477(LC 1), 5=324(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-748/205
BOT CHORD 2-7=-236/677, 6-7=-236/677
WEBS 3-7=-80/295, 3-6=-746/260

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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=211, 5=104.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=57(F=29, B=29) 13=-82(F=-41, B=-41) 14=61(F=31, B=31) 15=-7(F=-3, B=-3) 16=-59(F=-30, B=-30)

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Date:
October 26,2021

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	J1	Jack-Open	45	1	T25760238
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:34 2021 Page 1
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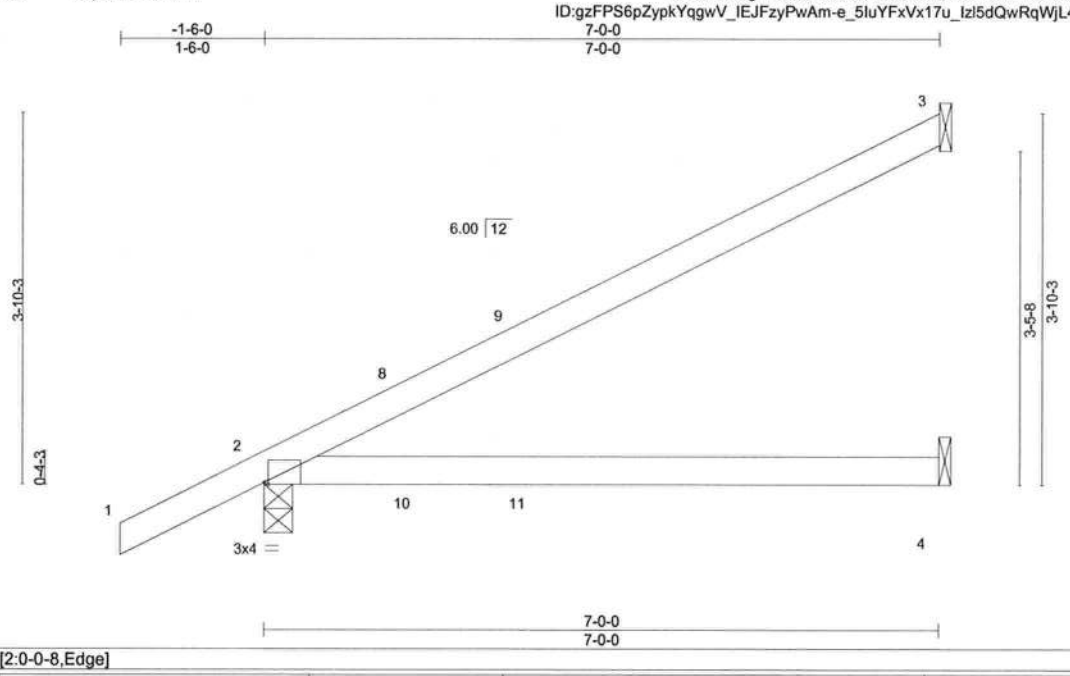

Plate Offsets (X,Y)-- [2:0-0-8,Edge]

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)	0.25	4-7	>328	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.21	4-7	>398	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: 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=0-3-8, 4=Mechanical
Max Horz 2=111(LC 12)
Max Uplift 3=-54(LC 12), 2=-81(LC 12), 4=-22(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; porch left 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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	J1A	Jack-Open	1	1	T25760239
					Job Reference (optional)

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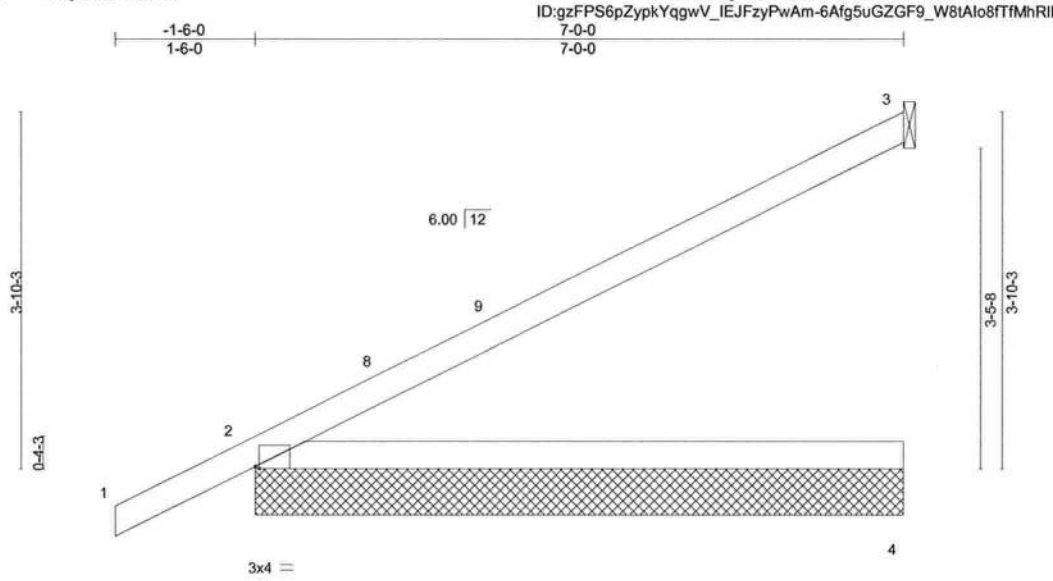

Plate Offsets (X,Y)-- [2:0-0-8,Edge]

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.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	J2	Jack-Open	14	1	T25760240
					Job Reference (optional)

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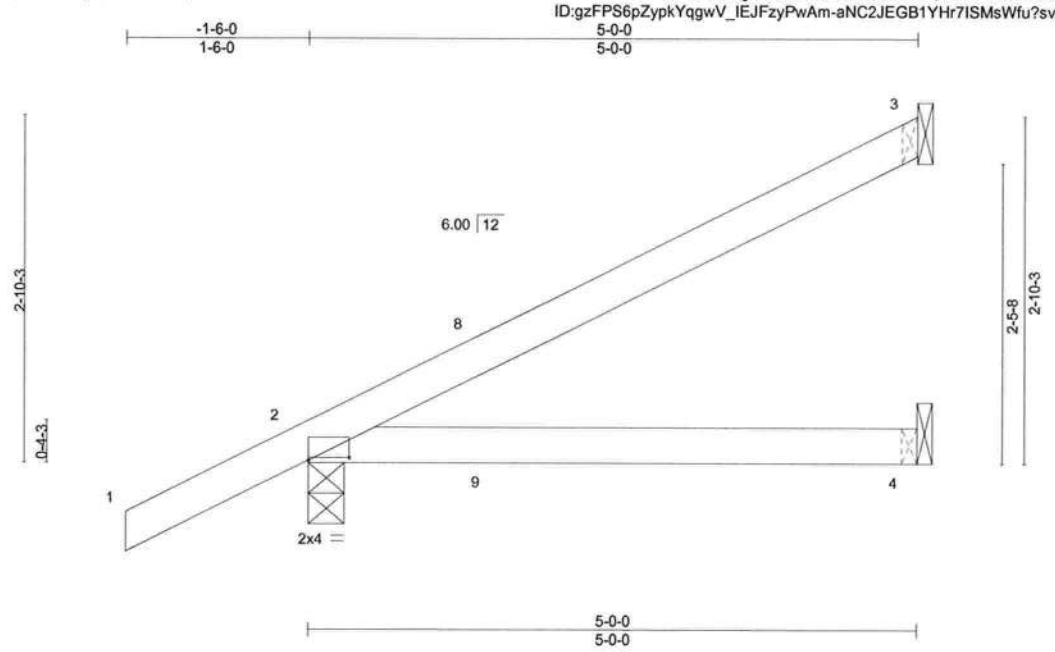

Plate Offsets (X,Y)-- [2:0-4-0,0-0-4]

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)	0.07	4-7	>795	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 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=0-3-8, 4=Mechanical
Max Horz 2=87(LC 12)
Max Uplift 3=-36(LC 12), 2=-72(LC 12), 4=-14(LC 9)
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; porch left 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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	J3	Jack-Open	14	1	T25760241
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:37 2021 Page 1
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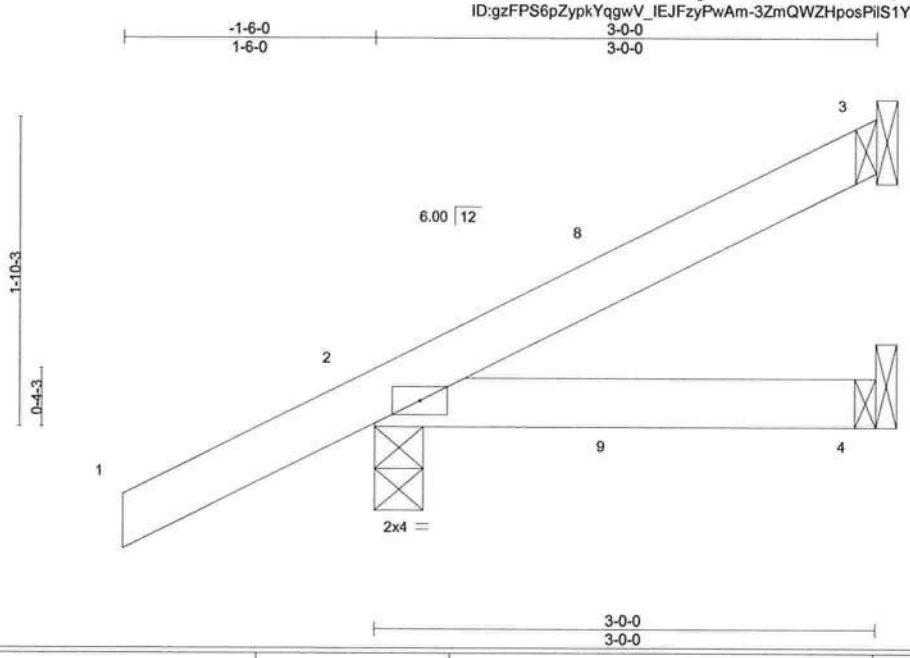

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		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=0-3-8, 4=Mechanical
Max Horz 2=63(LC 12)
Max Uplift 3=-17(LC 12), 2=-66(LC 12), 4=-9(LC 9)
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; porch left 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.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	J4	Jack-Open	14	1	T25760242
					Job Reference (optional)

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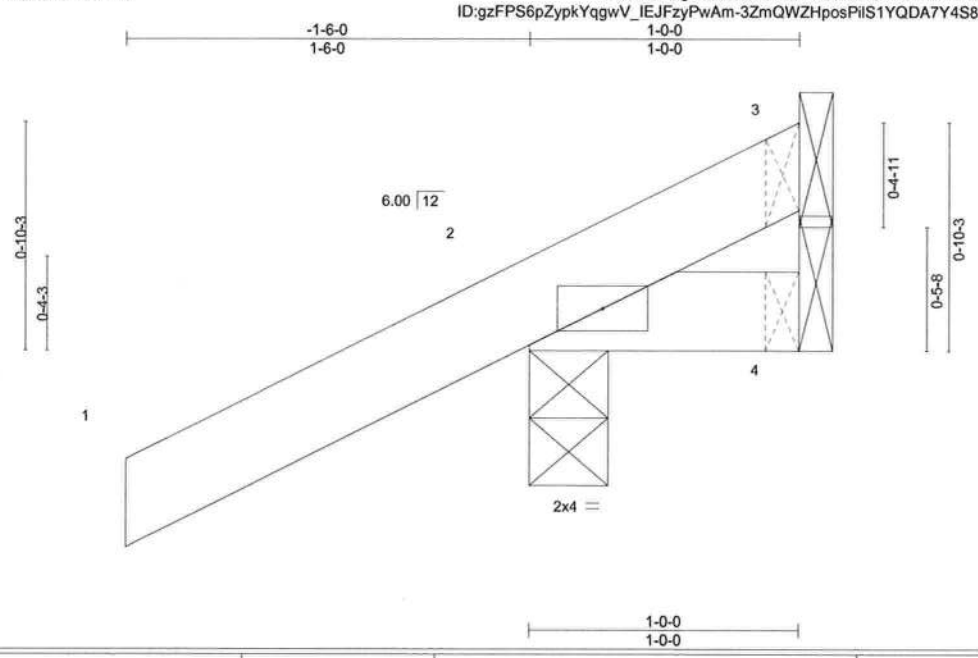

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		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=0-3-8, 4=Mechanical
Max Horz 2=39(LC 12)
Max Uplift 3=-7(LC 1), 2=-80(LC 12), 4=-23(LC 17)
Max Grav 3=9(LC 12), 2=198(LC 1), 4=16(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; porch left 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.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	PB01	Piggyback	2	1	T25760243
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:38 2021 Page 1
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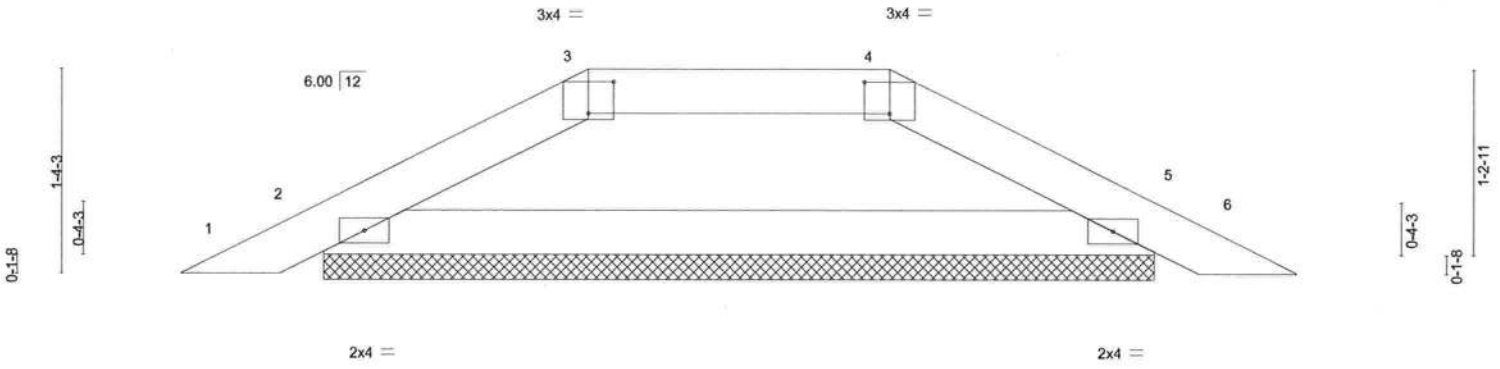

7-4-10 (7-4-10)

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

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	0.11	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-R							Weight: 20 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=5-6-0, 5=5-6-0
Max Horz 2=20(LC 11)
Max Uplift 2=-15(LC 12), 5=-15(LC 12)
Max Grav 2=257(LC 1), 5=257(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-284/151, 4-5=-284/151

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) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

October 26,2021

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	PB02	Piggyback	4	1	T25760244
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:39 2021 Page 1
ID:gzFPS6pZypkYqgwV_IEJFzyPwAm-?yuBxFJ4KTfQ_IBxXeCbdVXVxMvcpKllir2AIlyPtHY

3-8-5 / 3-8-5 — 7-4-10 / 3-8-5

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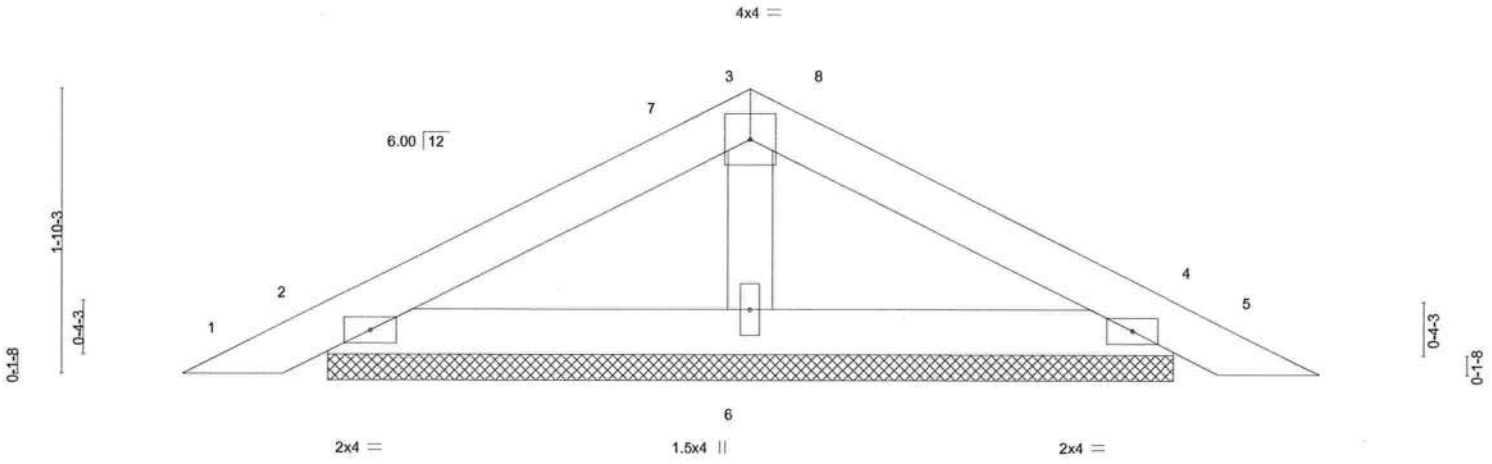

7-4-10 / 7-4-10

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 22 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. (size) 2=5-6-0, 4=5-6-0, 6=5-6-0
Max Horz 2=28(LC 11)
Max Uplift 2=-28(LC 12), 4=-28(LC 12)
Max Grav 2=152(LC 1), 4=152(LC 1), 6=211(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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) 0-3-15 to 3-3-15, Interior(1) 3-3-15 to 3-8-5, Exterior(2R) 3-8-5 to 6-5-5, Interior(1) 6-5-5 to 7-0-12 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) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	V01	Valley	1	1	T25760245
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:40 2021 Page 1
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8-0-0	9-0-0	12-8-0	13-8-0	21-8-0
8-0-0	1-0-0	3-8-0	1-0-0	8-0-0

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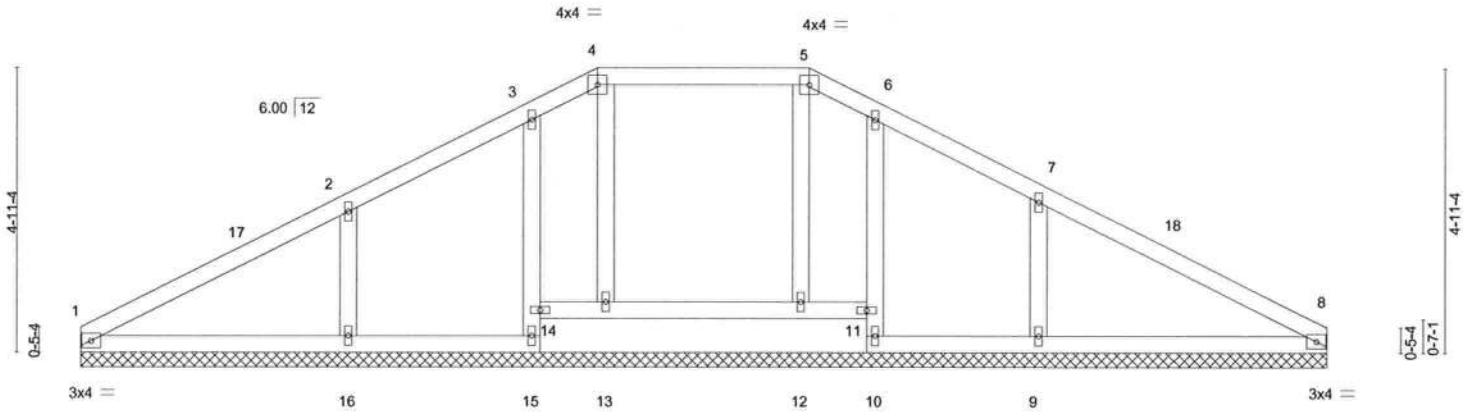

8-0-0	13-8-0	21-8-0
8-0-0	5-8-0	8-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 97 lb	FT = 20%

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

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

REACTIONS. All bearings 21-8-0.
(lb) - Max Horz 1=77(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 14, 11, 16, 9
Max Grav All reactions 250 lb or less at joint(s) 1, 8, 15, 14, 11, 10 except 16=462(LC 17), 9=487(LC 18), 13=292(LC 17), 12=294(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-16=-288/103, 7-9=-304/107

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) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-0-0, Exterior(2E) 9-0-0 to 12-8-0, Exterior(2R) 12-8-0 to 16-8-0, Interior(1) 16-8-0 to 21-8-0 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) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Bearing at joint(s) 14, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 14, 11, 16, 9.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 13, 12.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	V02	Valley	1	1	T25760246
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:41 2021 Page 1
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9-8-8
9-8-8
19-5-0
9-8-8

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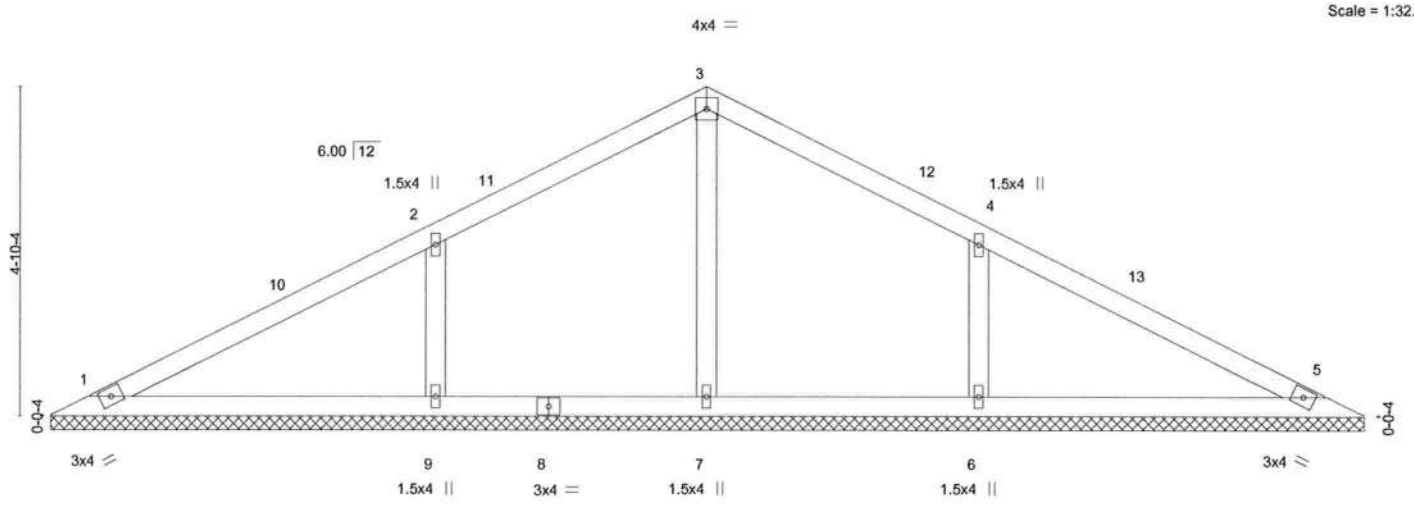

0-0-8
0-0-8
19-5-0
19-4-8

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	0.31	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 72 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 19-4-0.
(lb) - Max Horz 1=-75(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 9, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 9=448(LC 21), 6=447(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-330/150, 4-6=-330/150

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) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 9-8-8, Exterior(2R) 9-8-8 to 12-8-8, Interior(1) 12-8-8 to 18-9-7 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) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 6.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	V03	Valley	1	1	T25760247
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:42 2021 Page 1
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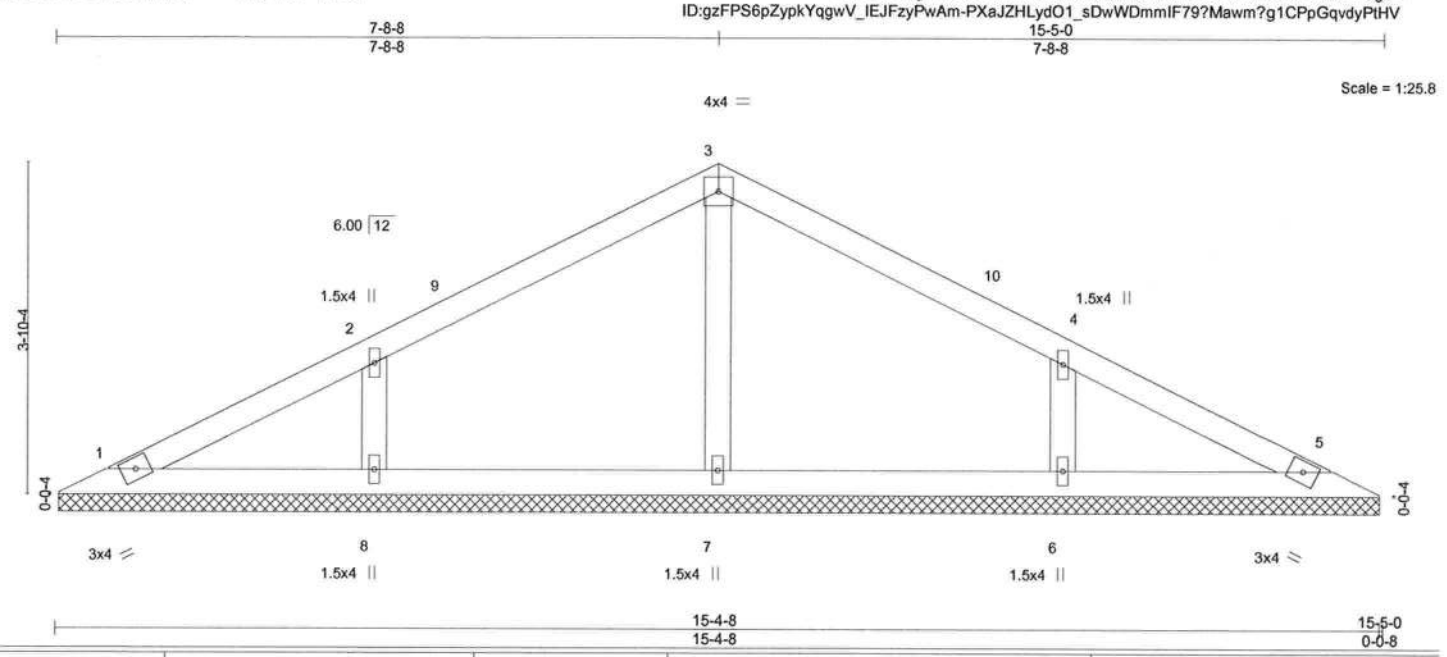

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 55 lb	FT = 20%

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

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

REACTIONS. All bearings 15-4-0.
(lb) - Max Horz 1=-59(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=278(LC 1), 8=335(LC 21), 6=335(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-254/140, 4-6=-254/140

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=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-7-9 to 3-8-8, Interior(1) 3-8-8 to 7-8-8, Exterior(2R) 7-8-8 to 10-8-8, Interior(1) 10-8-8 to 14-9-7 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) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	V04	Valley	1	1	T25760248
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:43 2021 Page 1
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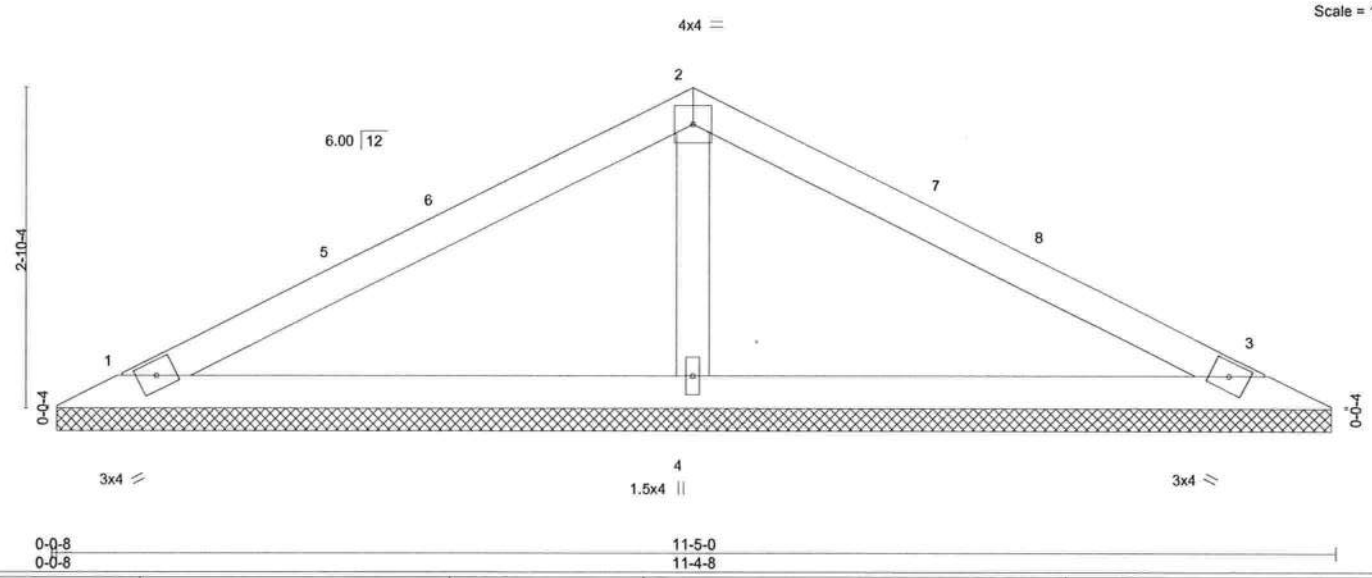
5-8-8 (5-8-8) | 11-5-0 (5-8-8)

Scale = 1:19.7



0-0-8 (0-0-8) | 11-5-0 (11-4-8)

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	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 37 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. (size) 1=11-4-0, 3=11-4-0, 4=11-4-0
Max Horz 1=-42(LC 10)
Max Uplift 1=-9(LC 12), 3=-9(LC 12)
Max Grav 1=187(LC 21), 3=187(LC 22), 4=444(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-295/137

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 5-8-8, Exterior(2R) 5-8-8 to 8-8-8, Interior(1) 8-8-8 to 10-9-7 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) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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Job	Truss	Truss Type	Qty	Ply	Johnson
JOHNSON	V05	Valley	1	1	T25760249
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Oct 25 12:23:44 2021 Page 1
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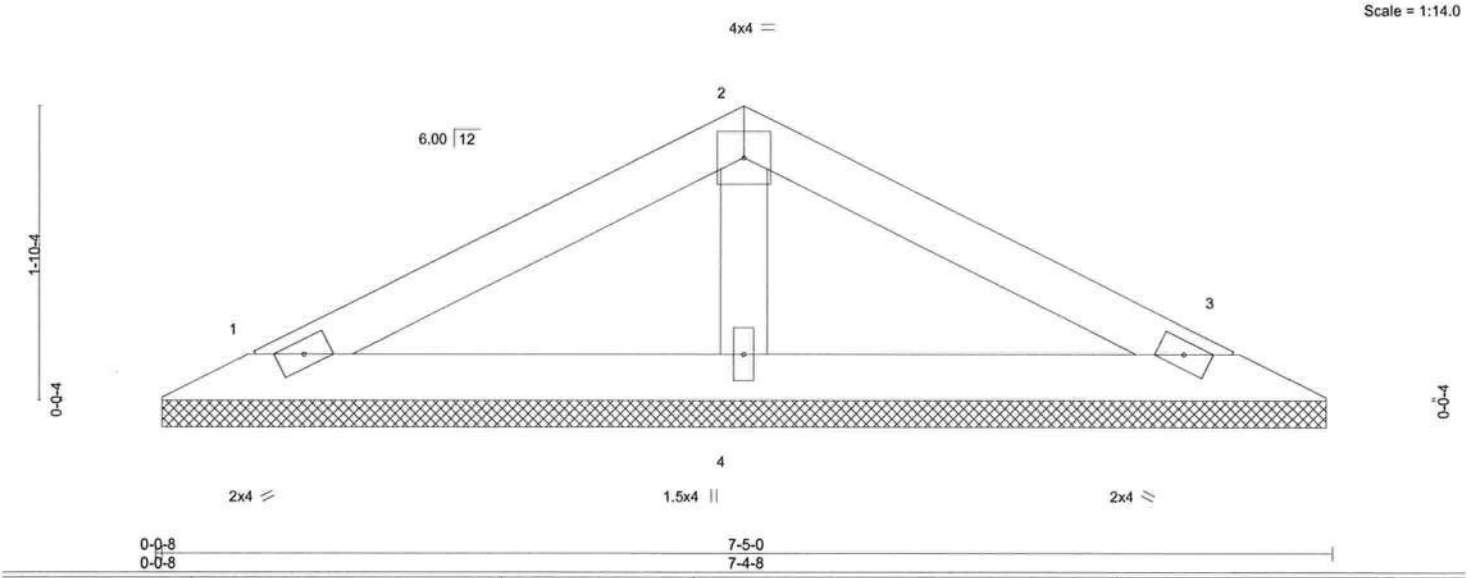
3-8-8 (3-8-8) | 7-5-0 (3-8-8)

Scale = 1:14.0



0-0-8 (0-0-8) | 7-5-0 (7-4-8)

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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 23 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. (size) 1=7-4-0, 3=7-4-0, 4=7-4-0
Max Horz 1=-26(LC 10)
Max Uplift 1=-10(LC 12), 3=-10(LC 12)
Max Grav 1=124(LC 1), 3=124(LC 1), 4=244(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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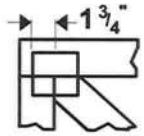
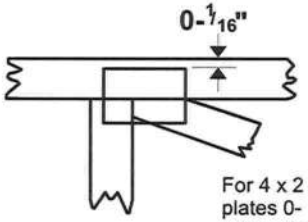
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

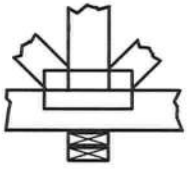
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

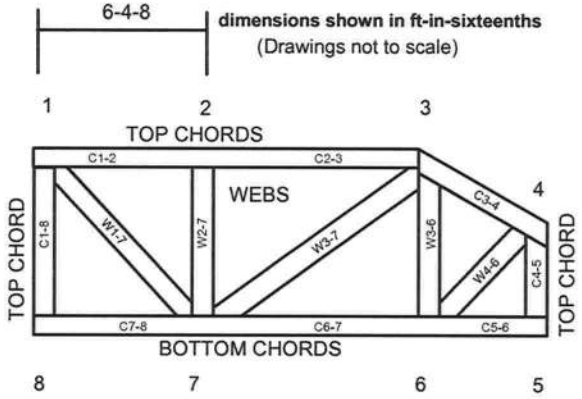


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

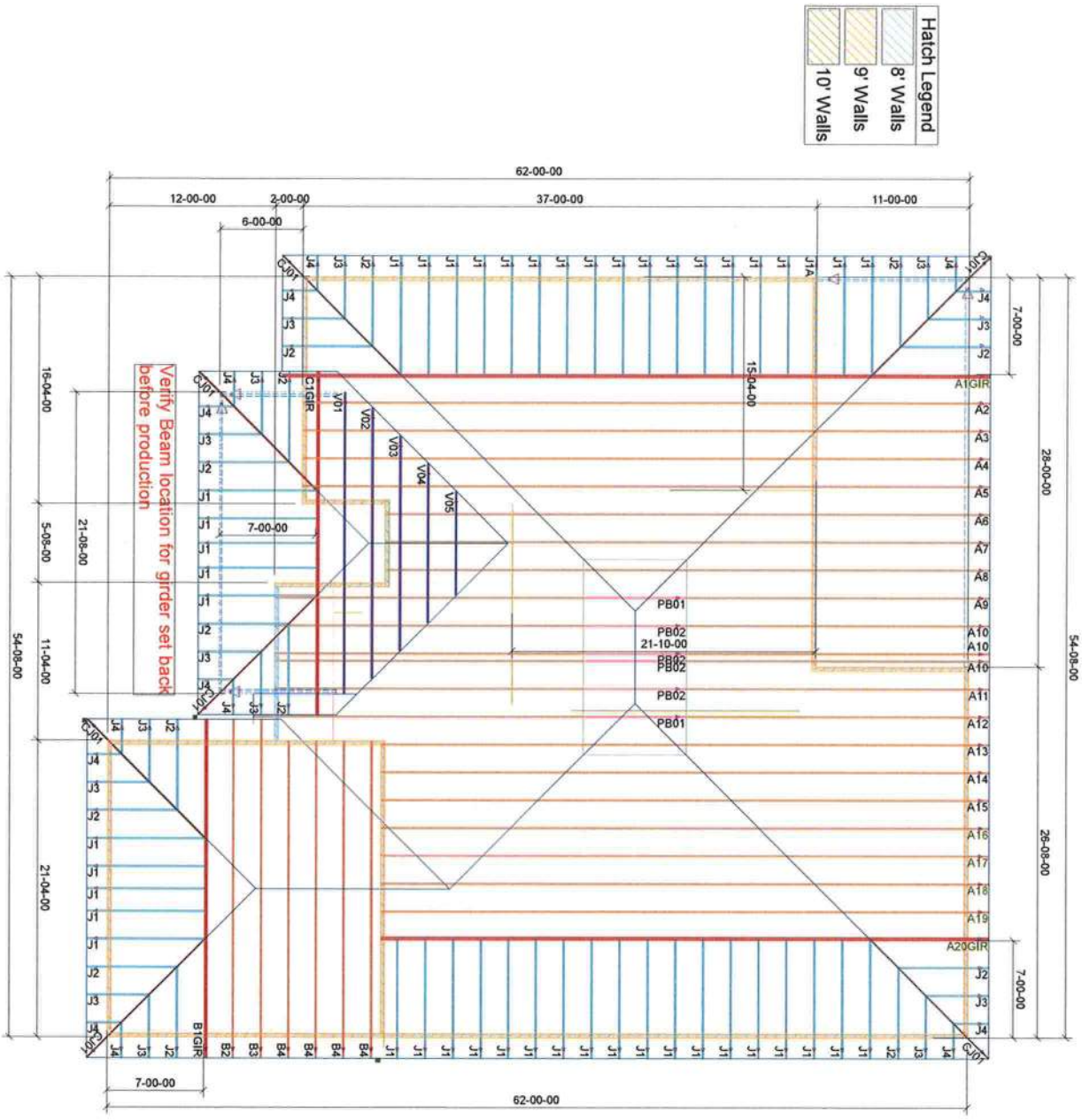
Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



Johnson

Client: SCCI
Date: 10/25/2021
Quote Date: / /
Seal Date: / /
Designer: Jason Degroff
Job Number: 1021-073

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