



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

RE: Gonzalez - Gonzalez

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

**Site Information:**

Customer Info: DON LITTLE CONST. Project Name: GONZALEZ 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

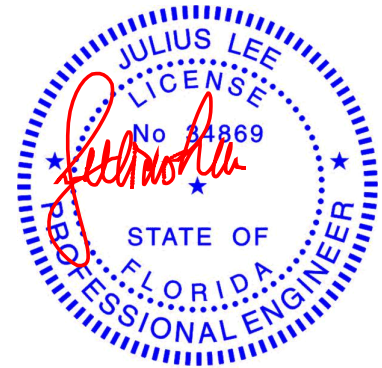
This package includes 92 individual, Truss Design Drawings and 0 Additional Drawings.  
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T26436688	A01	1/5/22	23	T26436710	D03	1/5/22
2	T26436689	A02	1/5/22	24	T26436711	D04GE	1/5/22
3	T26436690	A03	1/5/22	25	T26436712	G01	1/5/22
4	T26436691	A3A	1/5/22	26	T26436713	G02	1/5/22
5	T26436692	A04	1/5/22	27	T26436714	H01	1/5/22
6	T26436693	A05	1/5/22	28	T26436715	H02	1/5/22
7	T26436694	A06	1/5/22	29	T26436716	H03	1/5/22
8	T26436695	B01	1/5/22	30	T26436717	H3A	1/5/22
9	T26436696	B02	1/5/22	31	T26436718	H04	1/5/22
10	T26436697	B03	1/5/22	32	T26436719	H05	1/5/22
11	T26436698	B04	1/5/22	33	T26436720	H06	1/5/22
12	T26436699	B05	1/5/22	34	T26436721	H07	1/5/22
13	T26436700	C01	1/5/22	35	T26436722	H08	1/5/22
14	T26436701	C02	1/5/22	36	T26436723	H09	1/5/22
15	T26436702	C03	1/5/22	37	T26436724	H10	1/5/22
16	T26436703	C04	1/5/22	38	T26436725	H11	1/5/22
17	T26436704	CJ01	1/5/22	39	T26436726	H12	1/5/22
18	T26436705	CJ02	1/5/22	40	T26436727	H12GE	1/5/22
19	T26436706	CJ03	1/5/22	41	T26436728	H13	1/5/22
20	T26436707	CJ04	1/5/22	42	T26436729	H14	1/5/22
21	T26436708	D01	1/5/22	43	T26436730	H15	1/5/22
22	T26436709	D02	1/5/22	44	T26436731	J01	1/5/22

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.

**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:

January 5, 2022



RE: Gonzalez - Gonzalez

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

**Site Information:**

Customer Info: DON LITTLE CONST.    Project Name: GONZALEZ    Model: .  
Lot/Block: .    Subdivision: .  
Address: ., .  
City: LAKE CITY    State: FL

No.	Seal#	Truss Name	Date
45	T26436732	J02	1/5/22
46	T26436733	J03	1/5/22
47	T26436734	J04	1/5/22
48	T26436735	J05	1/5/22
49	T26436736	J06	1/5/22
50	T26436737	J07	1/5/22
51	T26436738	J08	1/5/22
52	T26436739	J09	1/5/22
53	T26436740	J10	1/5/22
54	T26436741	J11	1/5/22
55	T26436742	J12	1/5/22
56	T26436743	J13	1/5/22
57	T26436744	J14	1/5/22
58	T26436745	J15	1/5/22
59	T26436746	J16	1/5/22
60	T26436747	J17	1/5/22
61	T26436748	K01	1/5/22
62	T26436749	K02	1/5/22
63	T26436750	K03	1/5/22
64	T26436751	K04	1/5/22
65	T26436752	L01	1/5/22
66	T26436753	L02	1/5/22
67	T26436754	L3GE	1/5/22
68	T26436755	M01	1/5/22
69	T26436756	M02	1/5/22
70	T26436757	M03	1/5/22
71	T26436758	M05	1/5/22
72	T26436759	M06	1/5/22
73	T26436760	M07	1/5/22
74	T26436761	M08	1/5/22
75	T26436762	M09	1/5/22
76	T26436763	M10	1/5/22
77	T26436764	N01	1/5/22
78	T26436765	N1GE	1/5/22
79	T26436766	N02	1/5/22
80	T26436767	PB01	1/5/22
81	T26436768	PB02	1/5/22
82	T26436769	PB03	1/5/22
83	T26436770	PB04	1/5/22
84	T26436771	PB06	1/5/22
85	T26436772	PB07	1/5/22
86	T26436773	PB08	1/5/22
87	T26436774	PB9A	1/5/22
88	T26436775	PB10	1/5/22
89	T26436776	PB10A	1/5/22
90	T26436777	PB11	1/5/22
91	T26436778	PB12	1/5/22
92	T26436779	PB13	1/5/22

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436688
GONZALEZ	A01	PIGGYBACK BASE	2	1		

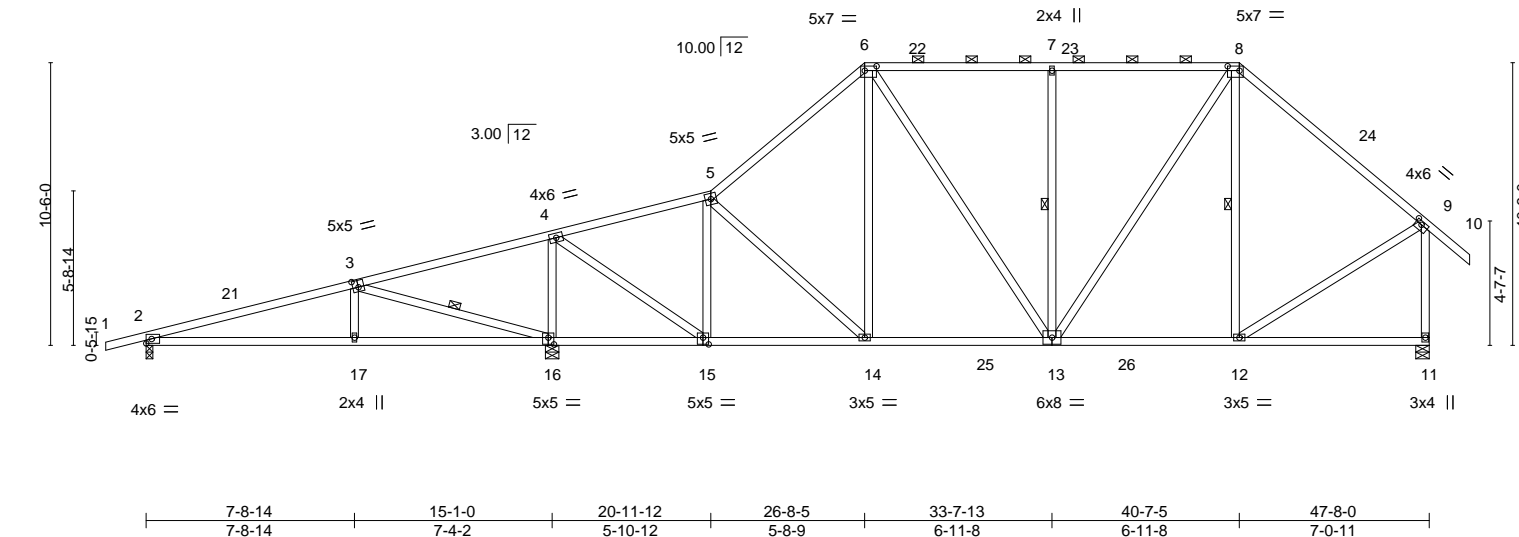
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:11:53 2022 Page 1

ID:FkMa410i7OeiPvO?O\_7uqy4V\_T\_-RzQ30892ID1fAAf9mcvzbK0il?jgGpdWU11clzylaa

1-6-0	7-8-14	15-1-0	20-11-12	26-8-5	33-7-13	40-7-5	47-8-0	49-2-0
1-6-0	7-8-14	7-4-2	5-10-12	5-8-9	6-11-8	6-11-8	7-0-11	1-6-0

Scale = 1:85.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL)	-0.15 13-14	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.67	Vert(CT)	-0.25 13-14	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.51	Horz(CT)	0.04 11	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 2x4 SP No.2  
WEBS 2x4 SP No.2

#### BRACING-

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

#### REACTIONS.

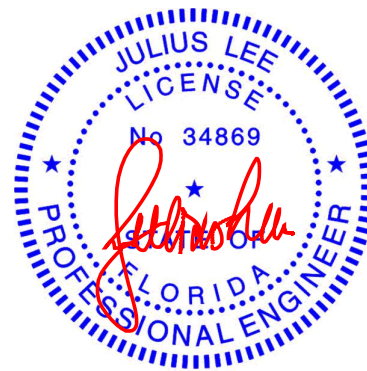
(size) 2=0-3-0, 16=0-6-0, 11=0-6-0  
Max Horz 2=255(LC 11)  
Max Uplift 2=50(LC 12), 11=42(LC 12)  
Max Grav 2=535(LC 21), 16=2411(LC 17), 11=1506(LC 18)

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

TOP CHORD 2-3=-658/62, 3-4=-55/788, 4-5=-993/221, 5-6=-1348/289, 6-7=-1094/302, 7-8=-1094/302, 8-9=-1162/242, 9-11=-1405/255  
BOT CHORD 2-17=-69/617, 16-17=-74/600, 15-16=-645/81, 14-15=-152/1011, 13-14=-63/1039, 12-13=-30/809  
WEBS 3-17=0/358, 3-16=-1246/64, 4-16=-1858/263, 4-15=-149/1823, 5-15=-881/147, 6-14=0/346, 6-13=-41/271, 7-13=-461/148, 8-13=-81/560, 9-12=0/907

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 3-3-3, Interior(1) 3-3-3 to 26-8-5, Exterior(2R) 26-8-5 to 33-7-13, Interior(1) 33-7-13 to 40-7-5, Exterior(2R) 40-7-5 to 47-6-4, Interior(1) 47-6-4 to 49-2-0 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

January 5, 2022

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436689
GONZALEZ	A02	PIGGYBACK BASE	3	1		
Job Reference (optional)						

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:11:55 2022 Page 1

ID:FkMa410i7OeiPvIO?O\_7uqy4V\_T-wq5ATi9PavTluUK2GBfN20QMC6hB8AJw\_oW8hdzylaY

1-6-0	7-8-14	15-1-0	20-11-12	26-8-5	33-7-13	40-7-5	47-8-0
1-6-0	7-8-14	7-4-2	5-10-12	5-8-9	6-11-8	6-11-8	7-0-11

Scale = 1:85.2

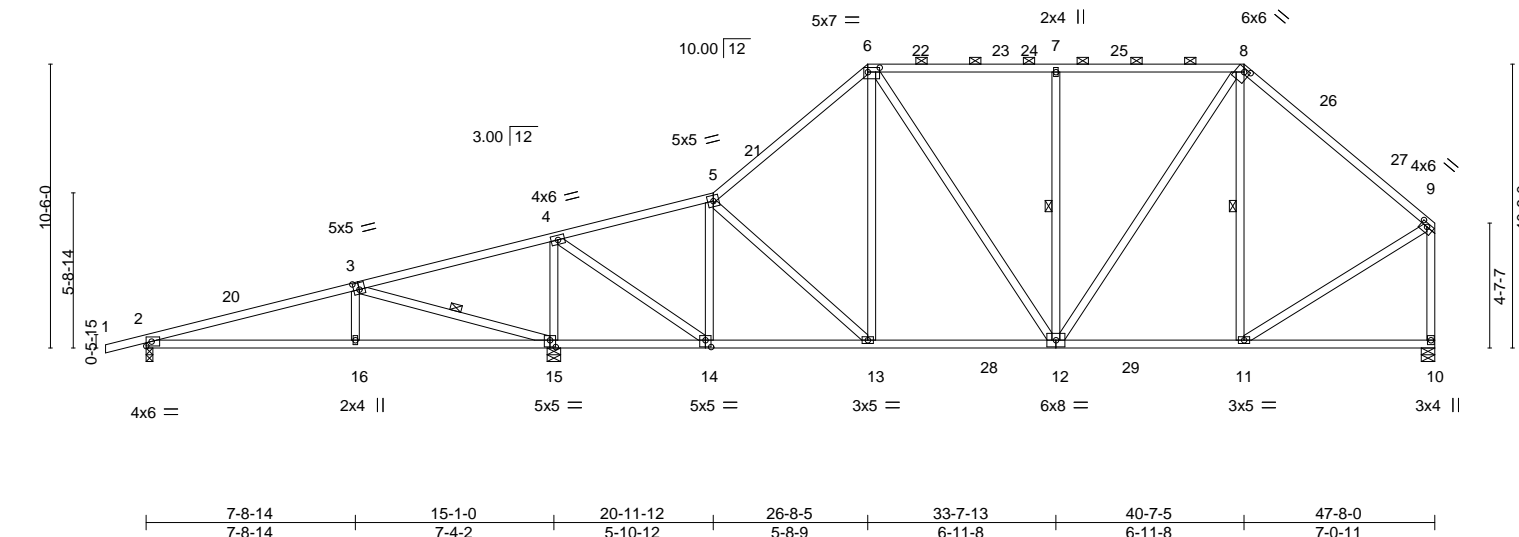


Plate Offsets (X, Y)--		[3:0-2-8,0-3-0], [6:0-5-4,0-2-0], [8:0-2-8,0-1-8], [9:0-3-0,0-1-8], [14:0-2-8,0-3-0], [15:0-2-8,0-3-0]
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0
TCLL 20.0	Plate Grip DOL	1.25
TCDL 10.0	Lumber DOL	1.25
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 10.0	Code	FBC2020/TPI2014
	<b>CSI.</b>	
	TC	0.73
	BC	0.67
	WB	0.51
	Matrix-AS	
	<b>DEFL.</b>	
	in (loc)	l/defl L/d
	Vert(LL)	-0.15 12-13 >999 240
	Vert(CT)	-0.25 12-13 >999 180
	Horz(CT)	0.04 10 n/a n/a
	<b>PLATES</b>	<b>GRIP</b>
	MT20	244/190
	Weight: 297 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-2-11 max.): 6-8.  
BOT CHORD Rigid ceiling directly applied.  
WEBS 1 Row at midpt 3-15, 7-12, 8-11

#### REACTIONS.

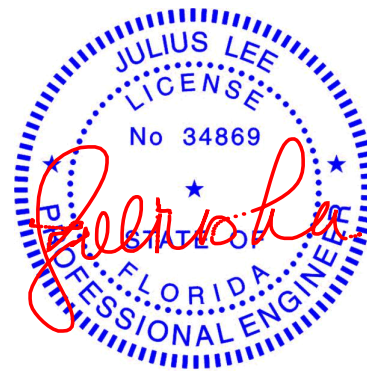
(size) 2=0-3-0, 15=0-6-0, 10=0-6-0  
Max Horz 2=244(LC 11)  
Max Uplift 2=44(LC 12), 10=-3(LC 12)  
Max Grav 2=535(LC 21), 15=2412(LC 17), 10=1411(LC 18)

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

TOP CHORD 2-3=-654/41, 3-4=-82/781, 4-5=-992/193, 5-6=-1348/261, 6-7=-1096/274, 7-8=-1096/274, 8-9=-1160/209, 9-10=-1310/180  
BOT CHORD 2-16=-107/610, 15-16=-112/593, 14-15=-640/54, 13-14=-180/1004, 12-13=-107/1031, 11-12=-77/805  
WEBS 3-16=0/358, 3-15=-1245/65, 4-15=-1858/257, 4-14=-138/1822, 5-14=-881/141, 6-13=0/346, 6-12=-29/273, 7-12=-461/130, 8-12=-68/556, 9-11=-38/901

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 3-3-3, Interior(1) 3-3-3 to 26-8-5, Exterior(2R) 26-8-5 to 31-5-8, Interior(1) 31-5-8 to 40-7-5, Exterior(2R) 40-7-5 to 45-4-8, Interior(1) 45-4-8 to 47-6-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

January 5, 2022

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436690
GONZALEZ	A03	PIGGYBACK BASE GIRDE	1	2	Job Reference (optional)	

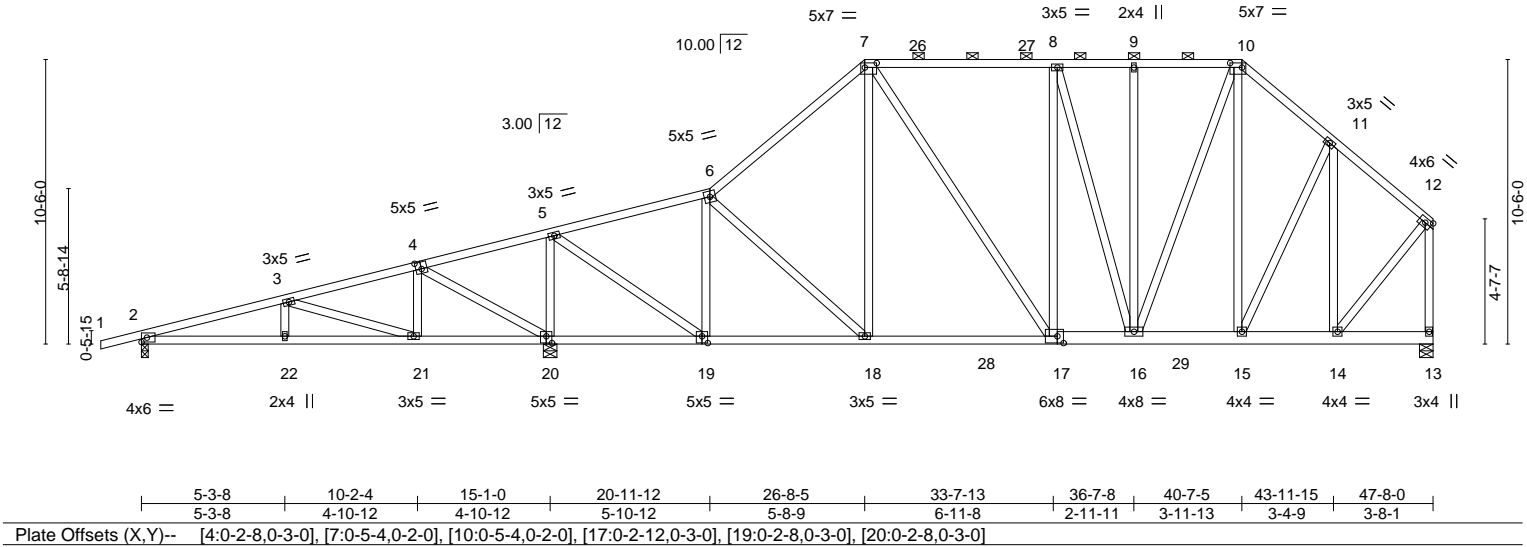
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:11:57 2022 Page 1

ID:FkMa410i7OeiPvfO?Q\_7uqy4V\_T-sDDxuOBf5XjT8nUROchr7RVodvQjc7NDR6?EIWzylaW

1-6-0	5-3-8	10-2-4	15-1-0	20-11-12	26-8-5	33-7-13	36-7-8	40-7-5	43-11-15	47-8-0
1-6-0	5-3-8	4-10-12	4-10-12	5-10-12	5-8-9	6-11-8	2-11-11	3-11-13	3-4-9	3-8-1

Scale = 1:85.0



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35	Vert(LL)	-0.08 17-18	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.41	Vert(CT)	-0.15 17-18	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.28	Horz(CT)	0.02 13	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 720 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
13-17: 2x6 SP No.2  
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-10.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 20-21,19-20.

REACTIONS.

(size) 2=0-3-0, 20=0-6-0, 13=0-6-0  
Max Horz 2=242(LC 7)  
Max Uplift 2=-58(LC 32), 20=-100(LC 8), 13=-171(LC 8)  
Max Grav 2=452(LC 15), 20=2941(LC 36), 13=2100(LC 37)

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

TOP CHORD 2-3=-727/73, 3-4=-121/396, 4-5=-15/1216, 5-6=-1162/133, 6-7=-1785/220, 7-8=-1715/279, 8-9=-1752/298, 9-10=-1752/298, 10-11=-1725/280, 11-12=-1327/182, 12-13=-2041/192  
BOT CHORD 2-22=-90/708, 21-22=-90/708, 20-21=-398/66, 19-20=-1018/54, 18-19=-105/1170, 17-18=-92/1352, 16-17=-147/1725, 15-16=-107/1255, 14-15=-68/964  
WEBS 3-21=-895/27, 4-21=0/458, 4-20=-886/0, 5-20=-2323/161, 5-19=-101/2515, 6-19=-1283/120, 6-18=0/257, 7-18=0/272, 7-17=-124/815, 8-17=-596/140, 10-15=-484/112, 11-15=-91/702, 11-14=-1066/111, 12-14=-85/1479, 10-16=-176/1369, 8-16=-332/314

NOTES-

- 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, 2x6 - 2 rows staggered at 0-9-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 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.
- Unbalanced roof live loads have been considered for this design.
- 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; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 20=100, 13=171.

On this page a representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

January 5,2022

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**  
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	A03	PIGGYBACK BASE GIRDE	1	2	T26436690
					Job Reference (optional)

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:11:57 2022 Page 2  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-sDDxuOBf5XjT8nUROchr7RVodvQjc7NDR6?EIWzylaW

NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1247 lb down and 271 lb up at 36-7-8 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: 1-6=-60, 6-7=-60, 7-10=-60, 10-12=-60, 13-23=-20
- Concentrated Loads (lb)
  - Vert: 16=-1247(B)

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6904 Parke East Blvd.  
Tampa, FL 36610



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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436692
GONZALEZ	A04	PIGGYBACK BASE GIRDE	1	2	Job Reference (optional)	

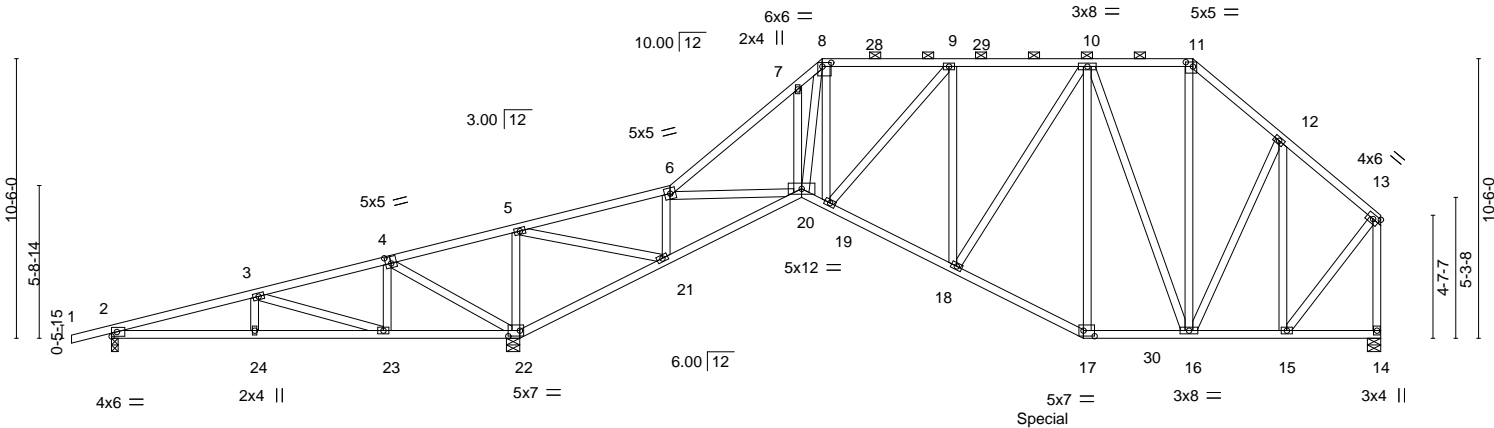
Mayo Truss Company, Inc.,
 Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc.
 Tue Jan 4 11:11:59 2022 Page 1

ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-pbKhJ4Cwd8\_BN5epV1jJDsa66j8\_4zhWvQULqPzylaU

1-6-0	5-4-8	10-4-4	15-4-0	20-11-12	25-11-0	26-8-5	31-7-2	36-6-0	40-7-5	43-11-15	47-8-0
1-6-0	5-4-8	4-11-12	4-11-12	5-7-12	4-11-4	0-9-5	4-10-14	4-10-14	4-1-5	3-4-9	3-8-1

Scale = 1:86.5



	5-4-8	10-4-4	14-10-0	15-4-0	20-11-12	25-11-0	26-8-5	31-7-2	36-6-0	40-7-5	43-11-15	47-8-0
	5-4-8	4-11-12	4-5-12	0-6-0	5-7-12	4-11-4	0-9-5	4-10-14	4-10-14	4-1-5	3-4-9	3-8-1
Plate Offsets (X,Y)--	[4:0-2-8,0-3-0], [8:0-4-0,0-1-12], [11:0-3-4,0-2-0], [17:0-5-0,0-2-8], [22:0-5-4,0-2-8]											
<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b>		<b>GRIP</b>	
TCLL 20.0	Plate Grip DOL 1.25		TC 0.48		Vert(LL) -0.07 20-21 >999 240				MT20		244/190	
TCDL 10.0	Lumber DOL 1.25		BC 0.29		Vert(CT) -0.13 20-21 >999 180							
BCLL 0.0 *	Rep Stress Incr NO		WB 0.55		Horz(CT) 0.08 14 n/a n/a							
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 674 lb		FT = 20%	

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 8-11.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 2=0-3-0, 22=0-6-0, 14=0-6-0  
 Max Horz 2=244(LC 7)  
 Max Uplift 2=150(LC 28), 22=119(LC 8), 14=162(LC 8)  
 Max Grav 2=300(LC 14), 22=3364(LC 36), 14=1899(LC 37)

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

TOP CHORD 2-3=-283/751, 3-4=-211/1529, 4-5=-106/2386, 5-6=-591/79, 6-7=-2619/173, 7-8=-2655/266, 8-9=-1745/174, 9-10=-1731/252, 10-11=-1146/230, 11-12=-1528/271, 12-13=-1191/178, 13-14=-1844/184  
 BOT CHORD 2-24=-709/141, 23-24=-709/141, 22-23=-1377/111, 21-22=-2536/142, 20-21=-129/726, 19-20=-169/1981, 18-19=-180/2014, 17-18=-195/1753, 16-17=-162/1521, 15-16=-63/852  
 WEBS 3-23=-1054/31, 4-23=0/482, 4-22=-917/0, 5-22=-1612/121, 5-21=-88/2824, 6-21=-1826/139, 6-20=-79/1415, 7-20=-306/138, 8-20=-183/1504, 8-19=-115/294, 9-18=-412/129, 10-18=-54/532, 10-17=-311/607, 10-16=-1238/177, 11-16=-127/764, 12-16=-83/605, 12-15=-945/101, 13-15=-77/1319

NOTES-

- 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.
- 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.
- Unbalanced roof live loads have been considered for this design.
- 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; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 3x5 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=150, 22=119, 14=162.

On this page, the representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

January 5,2022

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6904 Parke East Blvd.  
 Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	A04	PIGGYBACK BASE GIRDE	1	2	T26436692
					Job Reference (optional)

**NOTES-**

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1226 lb down and 270 lb up at 36'-6"-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-6=-60, 6-8=-60, 8-11=-60, 11-13=-60, 22-25=-20, 20-22=-20, 17-20=-20, 14-17=-20

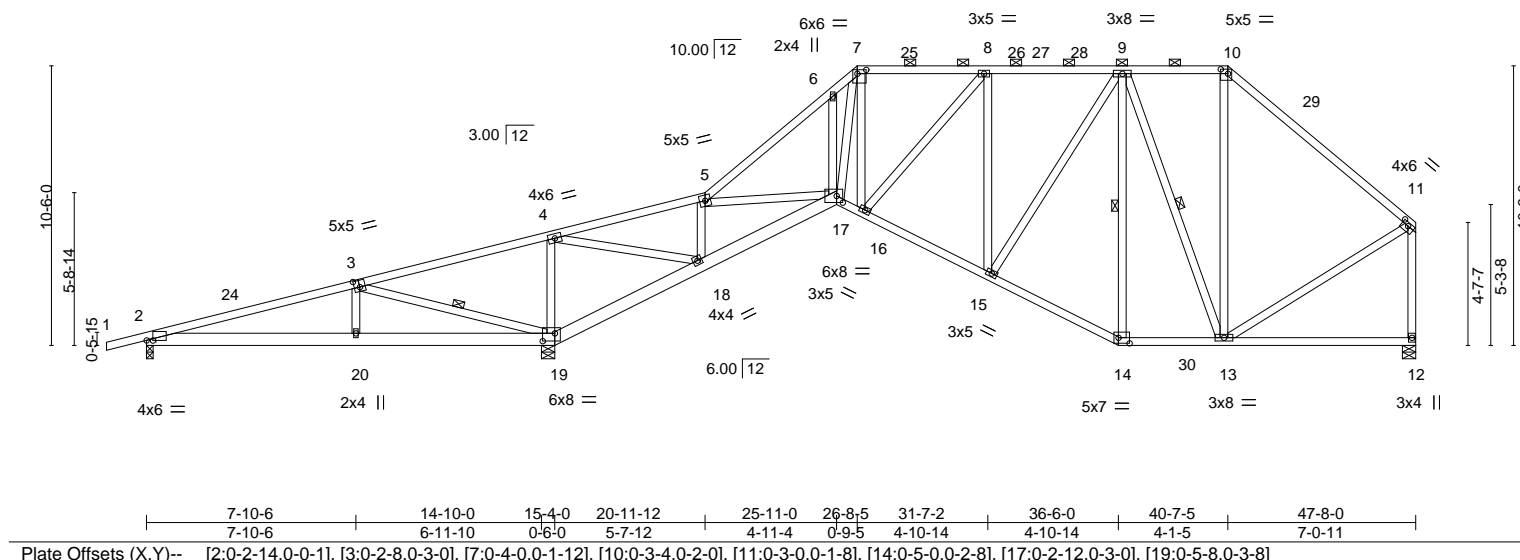
Concentrated Loads (lb)

Vert: 17=-1226(F)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:00 2022 Page 1

1-6-0	7-10-6	15-4-0	20-11-12	25-11-0	26-8-5	31-7-2	36-6-0	40-7-5	47-8-0
1-6-0	7-10-6	7-5-10	5-7-12	4-11-4	0-9-5	4-10-14	4-10-14	4-1-5	7-0-11

Scale = 1:86.5



<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.25	TC 0.85	Vert(LL) -0.09 17	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.47	Vert(CT) -0.16 17	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.45	Horz(CT) 0.12 12	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS				Weight: 334 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
2-19,17-19: 2x6 SP No.2  
WEBS 2x4 SP No.2

**BRACING-**

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-4-9 max.): 7-10.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-19, 9-14, 9-13

**REACTIONS.**

(size) 2=0-3-0, 19=0-6-0, 12=0-6-0  
 Max Horz 2=244(LC 11)  
 Max Uplift 2=-61(LC 8), 12=-5(LC 12)  
 Max Grav 2=298(LC 21), 19=2800(LC 17), 12=1228(LC 18)

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

TOP CHORD 2-3=-265/541, 3-4=-301/1906, 4-5=-379/94, 5-6=-1761/263, 6-7=-1767/413,  
7-8=-1162/242, 8-9=-1053/327, 9-10=-700/225, 10-11=-985/198, 11-12=-1111/166

BOT CHORD 2-20=-513/74, 19-20=-525/71, 18-19=-1997/202, 17-18=-135/485, 16-17=-124/1306,  
15-16=-135/1259, 14-15=-104/942, 13-14=-84/808

WEBS 3-20=0/388, 3-19=1340/90, 4-19=-1346/266, 4-18=-267/2128, 5-18=-1298/254,  
5-17=-62/963, 6-17=-258/232, 7-17=-289/995, 8-15=-408/116, 9-15=-44/528,  
9-14=-279/78, 9-13=-442/50, 10-13=0/315, 11-13=-25/711

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=6.0psf; BC DL=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 3-3-3, Interior(1) 3-3-3 to 26-8-5, Exterior(2R) 26-8-5 to 33-5-3, Interior(1) 33-5-3 to 40-7-5, Exterior(2E) 40-7-5 to 47-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BC DL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

January 5, 2022



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6904 Parke East Blvd  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436694
GONZALEZ	A06	PIGGYBACK BASE	2	1		
Job Reference (optional)						

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

8.430 s Aug 16 2021 MiTek Industries, Inc.
 Tue Jan 4 11:12:02 2022
 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-DA0qx5Fow3MmeEZMOB9H0qUCXcw6xHLwybOi?RjzylaR

1-6-0	7-10-6	15-4-0	20-11-12	25-11-0	26-8-5	31-7-2	36-6-0	40-7-5	47-8-0	49-2-0
1-6-0	7-10-6	7-5-10	5-7-12	4-11-4	0-9-5	4-10-14	4-10-14	4-1-5	7-0-11	1-6-0

Scale = 1:87.9

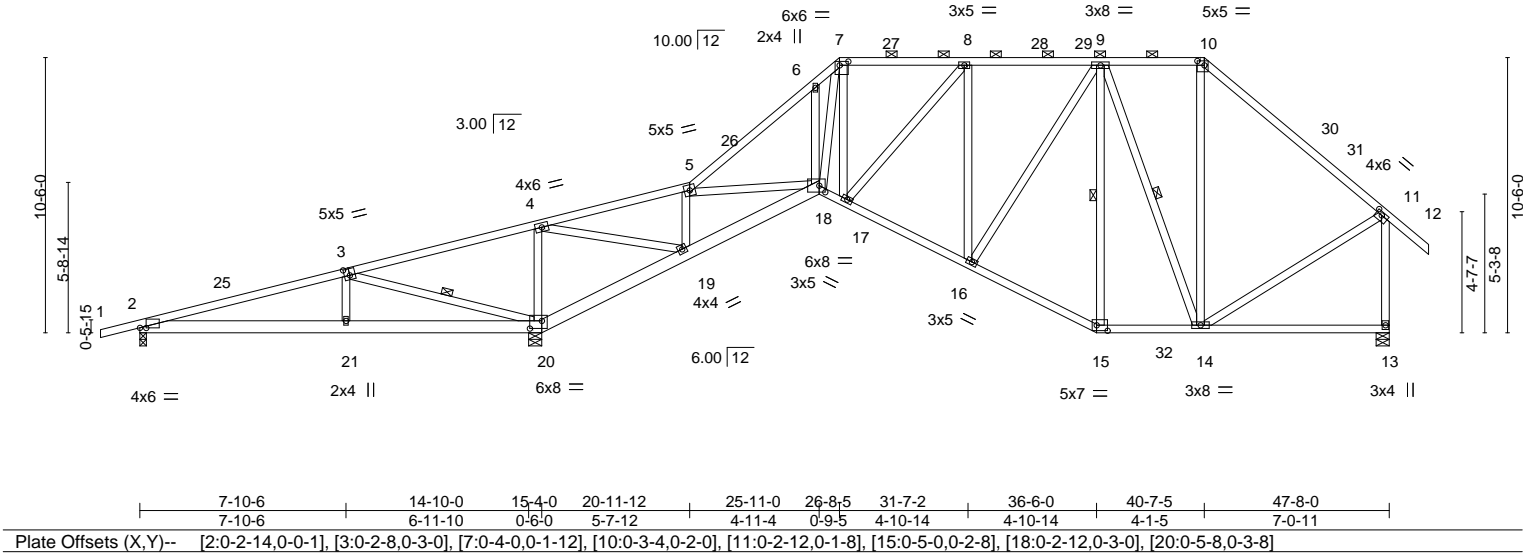


Plate Offsets (X,Y)--		[2:0-2-14,0-0-1], [3:0-2-8,0-3-0], [7:0-4-0,0-1-12], [10:0-3-4,0-2-0], [11:0-2-12,0-1-8], [15:0-5-0,0-2-8], [18:0-2-12,0-3-0], [20:0-5-8,0-3-8]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL 20.0	Plate Grip DOL	1.25	TC 0.85	Vert(LL)	-0.09	18	>999	240	MT20	244/190	
TCDL 10.0	Lumber DOL	1.25	BC 0.47	Vert(CT)	-0.16	18	>999	180			
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.45	Horz(CT)	0.12	13	n/a	n/a			
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS								
										Weight: 337 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2 \*Except\*  
 2-20,18-20: 2x6 SP No.2  
 WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and  
 2-0-0 oc purlins (5-4-9 max.): 7-10.  
 BOT CHORD Rigid ceiling directly applied.  
 WEBS 1 Row at midpt 3-20, 9-15, 9-14

REACTIONS.

(size) 2=0-3-0, 20=0-6-0, 13=0-6-0  
 Max Horz 2=255(LC 11)  
 Max Uplift 2=66(LC 8), 13=47(LC 12)  
 Max Grav 2=298(LC 21), 20=2801(LC 17), 13=1323(LC 18)

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

TOP CHORD 2-3=-179/547, 3-4=-211/1917, 4-5=-379/113, 5-6=-1762/206, 6-7=-1769/355,  
 7-8=-1161/211, 8-9=-1050/243, 9-10=-697/252, 10-11=-988/222, 11-13=-1207/225  
 BOT CHORD 2-21=-511/76, 20-21=-522/72, 19-20=-1994/187, 18-19=-67/491, 17-18=-14/1321,  
 16-17=-50/1268, 15-16=-38/948, 14-15=-25/814  
 WEBS 3-21=0/388, 3-20=-1340/86, 4-20=-1348/235, 4-19=-194/2132, 5-19=-1300/205,  
 5-18=-10/972, 6-18=-259/230, 7-18=-218/1005, 8-16=-413/81, 9-16=-13/533,  
 9-15=-277/50, 9-14=-445/46, 10-14=0/318, 11-14=0/716

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 3-3-3, Interior(1) 3-3-3 to 26-8-5, Exterior(2R) 26-8-5 to 31-7-2, Interior(1) 31-7-2 to 40-7-5, Exterior(2R) 40-7-5 to 45-4-8, Interior(1) 45-4-8 to 49-2-0 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

January 5,2022

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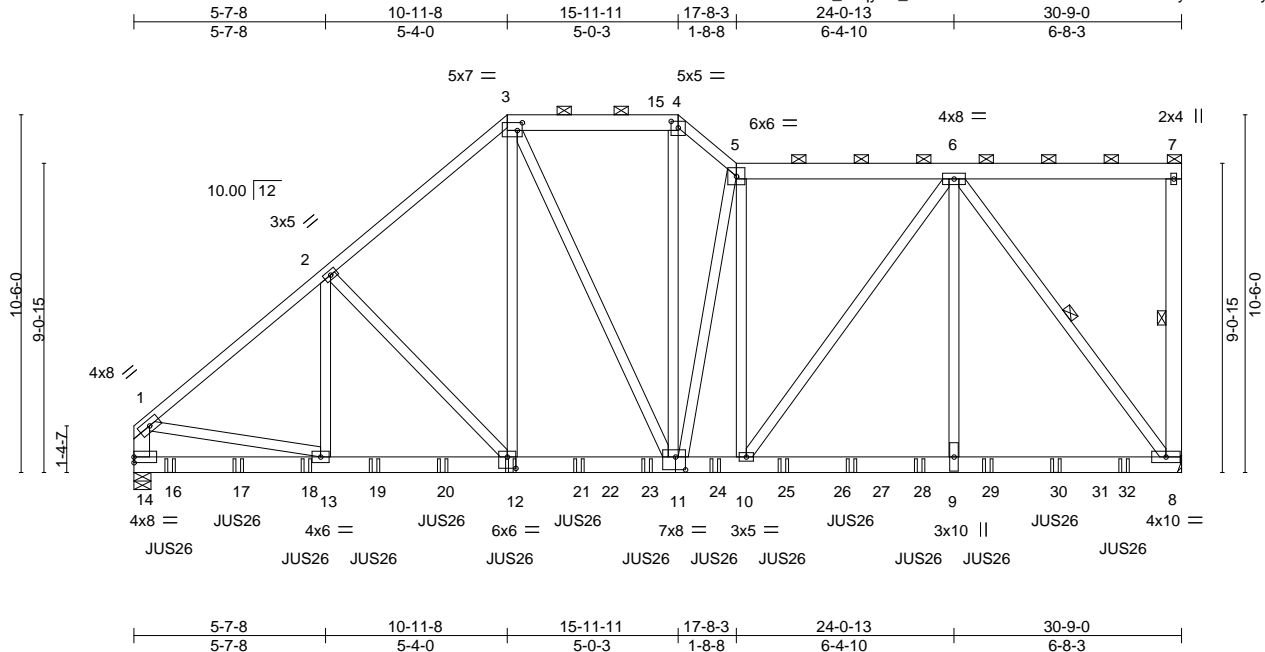
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436695
GONZALEZ	B01	PIGGYBACK BASE GIRDE	1	2	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:12 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-w5dc2WN4Z8cLR57JmFSMEbdJlyQDdk?Quy7Xn8zylaH



Scale = 1:67.6

Plate Offsets (X,Y)-- [3:0-1-12,0-2-12], [4:0-2-8,0-2-4], [11:0-3-8,0-4-8], [12:0-3-0,0-4-0]											
LOADING (psf)		SPACING-- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.11	11-12	>999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.22	11-12	>999	180	
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.05	8	n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 597 lb FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2 *Except* 3-4,5-7: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-8-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4, 5-7.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 7-8,1-14: 2x6 SP No.2, 6-8: 2x4 SP No.1	WEBS 1 Row at midpt 7-8, 6-8

**REACTIONS.** (size) 8=Mechanical, 14=0-6-0  
Max Horz 14=287(LC 24)  
Max Uplift 8=381(LC 8)  
Max Grav 8=5606(LC 1), 14=5827(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-6260/0, 2-3=-5505/320, 3-4=-4441/349, 4-5=-5657/429, 5-6=-5041/377,  
1-14=-4978/0  
BOT CHORD 13-14=-167/658, 12-13=-57/4731, 11-12=-243/4183, 10-11=-337/5049, 9-10=-286/3585,  
8-9=-286/3585  
WEBS 2-13=0/803, 2-12=-865/0, 3-12=0/2668, 3-11=-194/678, 4-11=-226/3262,  
5-11=-3134/314, 5-10=-568/0, 6-10=-91/2479, 6-9=-157/2216, 6-8=-5898/391,  
1-13=0/4244

#### NOTES-

- 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.
- 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.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=31ft; 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=381.

On this page a graphic representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No.34869  
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Date:

January 5,2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	B01	PIGGYBACK BASE GIRDE	1	2	T26436695
					Job Reference (optional)

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:12 2022 Page 2  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-w5dc2WN4Z8cLR57JmFSMEbdJlyQDdk?Quy7Xn8zylaH

- NOTES-**
- 12) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-0-12 from the left end to 29-0-12 to connect truss(es) to back face of bottom chord.
  - 13) Fill all nail holes where hanger is in contact with lumber.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-60, 3-4=-60, 4-5=-60, 5-7=-60, 8-14=-20

Concentrated Loads (lb)

Vert: 12=-711(B) 16=-571(B) 17=-570(B) 18=-570(B) 19=-570(B) 20=-570(B) 21=-711(B) 23=-713(B) 24=-575(B) 25=-575(B) 27=-575(B) 28=-575(B) 29=-575(B) 30=-575(B) 32=-575(B)



Job GONZALEZ	Truss B02	Truss Type PIGGYBACK BASE	Qty 1	Ply 1	Gonzalez	T26436696
Job Reference (optional)						

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:13 2022 Page 1  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-PIB\_FsNiKRkC3FivKzbn9WVMu2MDka7ct5KbzyaG

-1-6-0 1-6-0	5-7-8 5-7-8	10-11-8 5-4-0	15-11-11 5-0-3	19-4-11 3-5-0	24-11-1 5-6-6	30-9-0 5-9-15
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Scale = 1:61.6

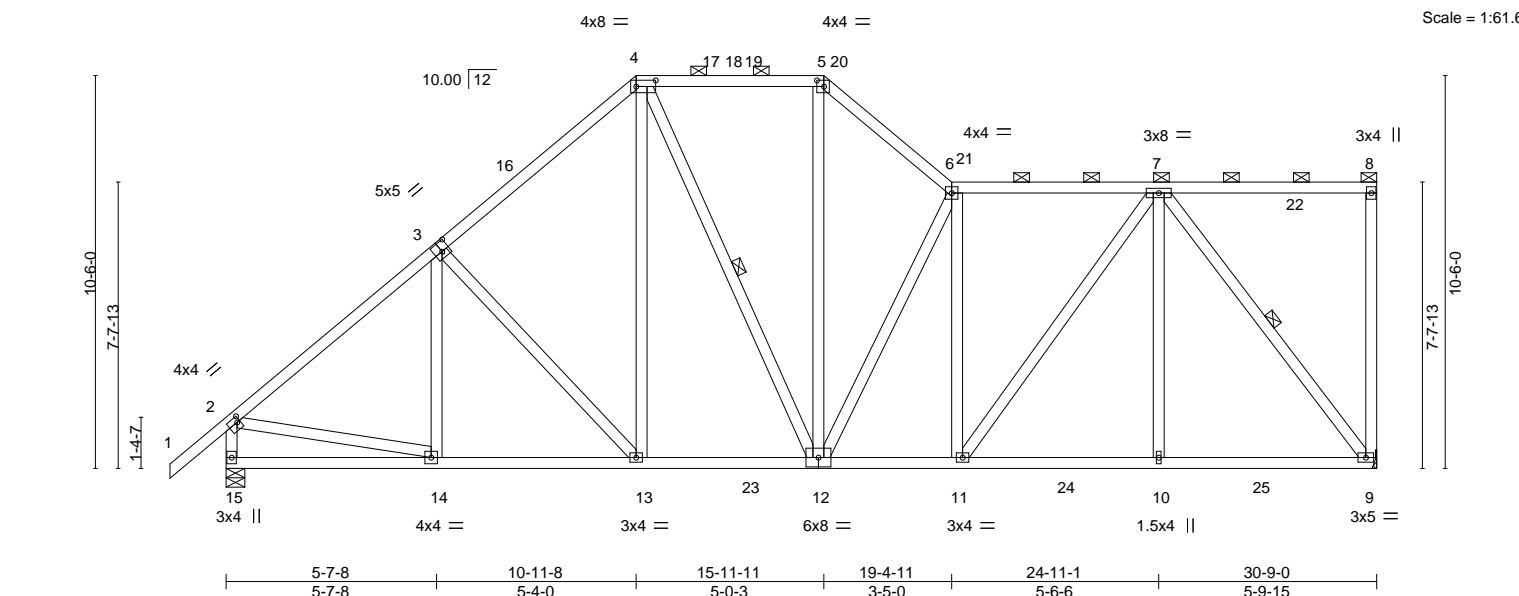


Plate Offsets (X, Y)--		[2:0-1-0,0-1-12], [3:0-2-8,0-3-0], [4:0-6-4,0-2-0], [5:0-2-4,0-2-0]					
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	<b>L/d</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	-0.07 12-13	>999	240
TCDL 10.0	Lumber DOL	1.25	BC 0.44	Vert(CT)	-0.13 12-13	>999	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.89	Horz(CT)	0.04 9	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS				
				<b>PLATES</b>	<b>GRIP</b>		
				MT20	244/190		
				Weight: 245 lb		FT = 20%	

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

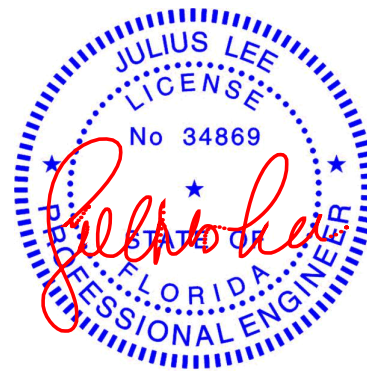
(size) 9=Mechanical, 15=0-6-0  
Max Horz 15=296(LC 11)  
Max Uplift 9=3(LC 12), 15=37(LC 12)  
Max Grav 9=1409(LC 17), 15=1478(LC 17)

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

TOP CHORD 2-3=-1529/72, 3-4=-1317/147, 4-5=-1039/163, 5-6=-1399/170, 6-7=-1345/121, 2-15=-1382/112  
BOT CHORD 14-15=-347/388, 13-14=-215/1200, 12-13=-160/1046, 11-12=-142/1387, 10-11=-100/951, 9-10=-100/951  
WEBS 4-13=0/405, 5-12=-40/671, 6-12=-782/99, 6-11=-415/110, 7-11=-68/725, 7-10=0/335, 7-9=-1505/78, 2-14=0/962

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-14, Interior(1) 1-6-14 to 10-11-8, Exterior(2R) 10-11-8 to 14-0-6, Interior(1) 14-0-6 to 15-11-11, Exterior(2R) 15-11-11 to 19-0-9, Interior(1) 19-0-9 to 30-7-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 15.
- 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.
- 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:

January 5, 2022

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8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:14 2022 Page 1  
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TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-8-7 max.): 3-4, 5-7.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-11, 6-8

(size) 8=Mechanical, 14=0-6-0  
Max Horz 14=262(LC 11)  
Max Uplift 8=-2(LC 12)  
Max Grav 8=1339(LC 17), 14=1364(LC 17)

TOP CHORD 1-2=-1525/81, 2-3=-1334/158, 3-4=-1029/166, 4-5=-1409/151, 5-6=-1535/105,  
1-14=-1269/63  
BOT CHORD 13-14=-236/304, 12-13=-180/1226, 11-12=-108/1029, 10-11=-116/1566, 9-10=-80/977,  
8-9=-80/977  
WEBS 2-12=-295/106, 3-12=-9/449, 3-11=-37/255, 4-11=0/599, 5-11=-813/95, 5-10=-545/112,  
6-10=-55/941, 6-8=-1496/62, 1-13=0/987

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCFL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Encl.; GCp=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-2-10, Interior(1) 3-2-10 to 10-11-8, Exterior(2R) 10-11-8 to 14-0-6, Interior(1) 14-0-6 to 15-11-11, Exterior(2R) 15-11-11 to 19-0-9, Interior(1) 19-0-9 to 30-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



January 5, 2022



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6904 Parke East Blvd  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436698
GONZALEZ	B04	PIGGYBACK BASE	2	1		

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:16 2022 Page 1  
ID:FkMa410i7OeiPvO?O\_7uqy4V\_T-pts6uuQadM7nwiR4?5XIPRn2kZtjZZD0pZ5lwwzylaD

Job Reference (optional)

5-7-8	10-11-8	15-11-11	21-8-4	26-0-14	30-9-0
5-7-8	5-4-0	5-0-3	5-8-9	4-4-10	4-8-2

Scale = 1:60.8

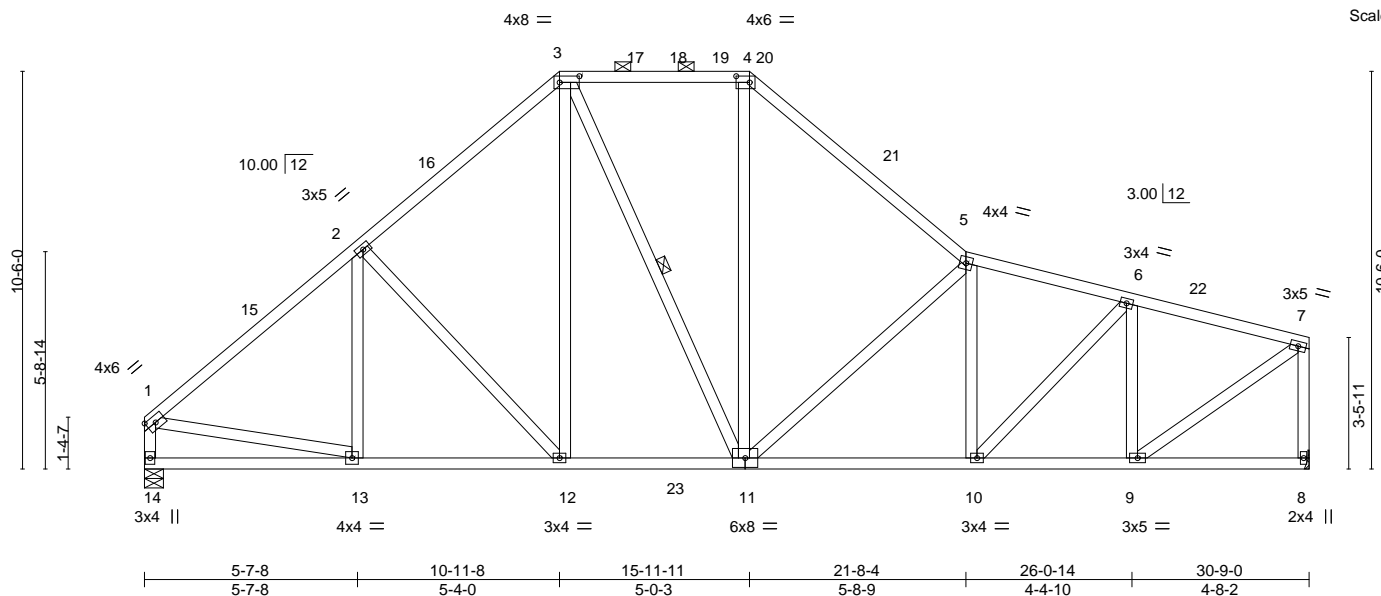


Plate Offsets (X,Y)-- [3:0-6-4,0-2-0], [4:0-4-4,0-2-0]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL 1.25		TC	0.36	Vert(LL)	-0.10	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25		BC	0.57	Vert(CT)	-0.19	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr YES		WB	0.91	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS						Weight: 220 lb FT = 20%		

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 14=0-6-0, 8=Mechanical  
Max Horz 14=213(LC 11)  
Max Grav 14=1357(LC 17), 8=1321(LC 19)

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

TOP CHORD 1-2=-1515/181, 2-3=-1324/263, 3-4=-1023/264, 4-5=-1402/253, 5-6=-1645/209,  
6-7=-1277/155, 1-14=-1261/156, 7-8=-1239/152  
BOT CHORD 13-14=-165/299, 12-13=-176/1220, 11-12=-81/1022, 10-11=-179/1587, 9-10=-142/1219  
WEBS 2-12=-296/138, 3-12=-32/450, 3-11=-42/257, 4-11=-33/585, 5-11=-823/159,  
6-10=-50/537, 6-9=-698/134, 1-13=-27/987, 7-9=-142/1441

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-2-10, Interior(1) 3-2-10 to 10-11-8, Exterior(2R) 10-11-8 to 14-0-6, Interior(1) 14-0-6 to 15-11-11, Exterior(2R) 15-11-11 to 19-0-9, Interior(1) 19-0-9 to 30-7-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Refer to girder(s) for truss to truss connections.
- 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.
- 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:

January 5, 2022

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436699
GONZALEZ	B05	PIGGYBACK BASE STRUC COMMON I	1	1		
Job Reference (optional)						

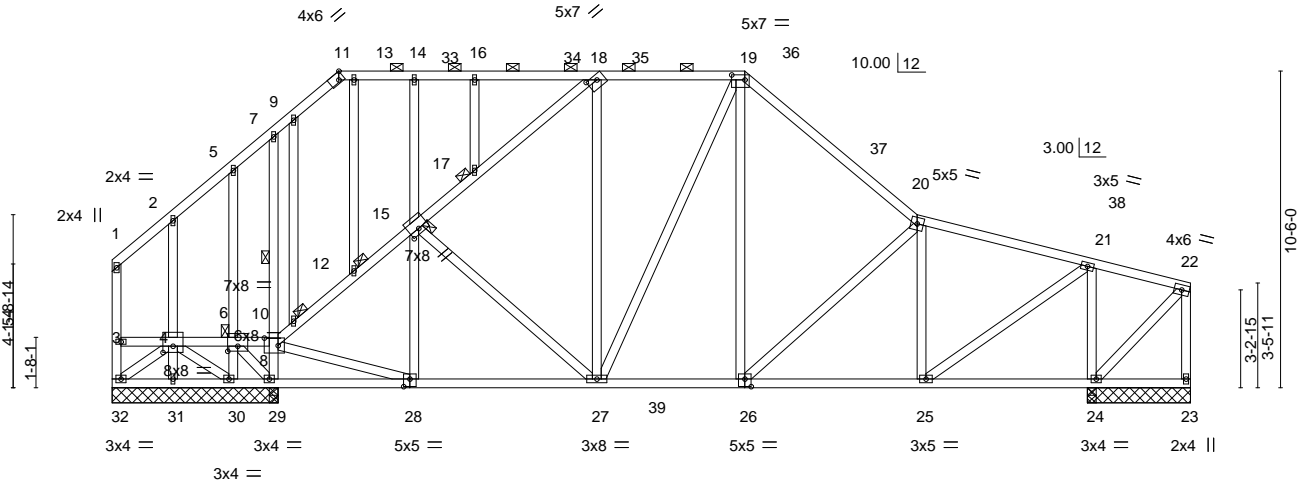
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:18 2022 Page 1

ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-IF\_tIZRq9\_NU90bT7WZmUstOSNa?1c3JGtas?ozylaB

1-6-0	7-0-11	14-0-3	20-11-11	26-8-4	31-0-14	35-9-0
1-6-0	7-0-11	6-11-8	6-11-8	5-8-9	4-4-10	4-8-2

Scale = 1:76.4




#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 11-19, 3-8, 8-18.  
BOT CHORD Rigid ceiling directly applied.  
WEBS 1 Row at midpt 7-29  
JOINTS 1 Brace at Jt(s): 17, 15, 12, 10, 6

#### REACTIONS.

All bearings 5-6-0 except (jt=length) 23=3-5-0, 24=3-5-0, 24=3-5-0.  
(lb) - Max Horz 32=-238(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 24, 30, 31, 32 except 23=-342(LC 18)  
Max Grav All reactions 250 lb or less at joint(s) 30, 31, 32 except 24=1847(LC 18), 24=1649(LC 1), 29=1462(LC 18), 29=1290(LC 1)

#### FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 18-19=-723/221, 19-20=-1013/214, 20-21=-878/132, 21-22=-47/359, 22-23=-23/367, 6-8=-37/316, 8-10=-1123/78, 10-12=-1089/81, 12-15=-1051/98, 15-17=-1011/87, 17-18=-965/72  
BOT CHORD 28-29=-289/93, 27-28=-39/828, 26-27=-51/729, 25-26=-102/823, 24-25=-352/80  
WEBS 21-24=-1334/205, 8-29=-1130/62, 18-27=0/345, 19-26=-29/312, 20-25=-577/156, 8-28=-44/1051, 21-25=-130/1366, 22-24=-467/57

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-0-3, Interior(1) 4-0-3 to 7-6-2, Exterior(2R) 7-6-2 to 11-1-1, Interior(1) 11-1-1 to 20-11-11, Exterior(2R) 20-11-11 to 24-6-9, Interior(1) 24-6-9 to 35-7-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 30, 31, 32 except (jt=lb) 23=342.
- 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.
- 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:

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of the design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Tampa, FL 33610

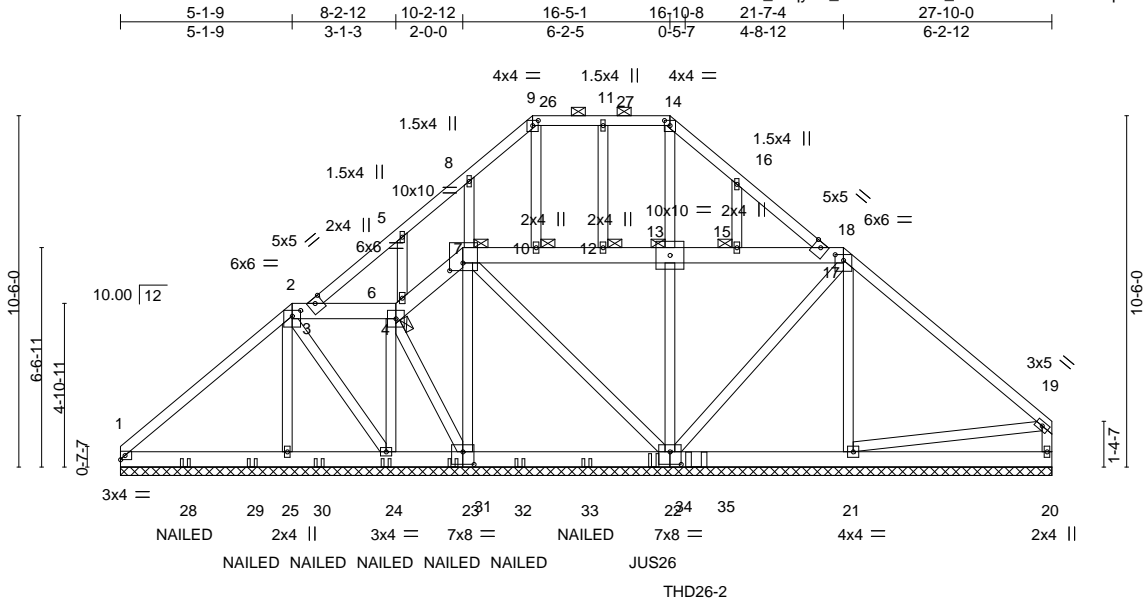


Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436700
GONZALEZ	C01	GABLE	1	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:23 2022 Page 1

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**LUMBER-**

TOP CHORD 2x4 SP No.2 \*Except\*  
2-4,4-7,7-18: 2x6 SP No.2

BOT CHORD 2x6 SP No.2

WEBS 2x4 SP No.2

OTHERS 2x4 SP No.2

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 9-14, 2-4, 4-7, 7-18.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

JOINTS 1 Brace at Jt(s): 4, 7, 12, 10, 15, 13

**REACTIONS.** All bearings 27-10-0.

(lb) - Max Horz 1=216(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 20 except 23=193(LC 8), 24=169(LC 8), 22=167(LC 8)

Max Grav All reactions 250 lb or less at joint(s) except 1=260(LC 17), 23=696(LC 29), 20=274(LC 18), 25=527(LC 29), 24=509(LC 1), 21=530(LC 1), 22=1446(LC 1)

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

WEBS 13-22=259/41

- NOTES-**
- 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.
  - 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.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=28ft; 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
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
  - Provide adequate drainage to prevent water ponding.
  - Gable requires continuous bottom chord bearing.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20 except (jt=lb) 23=193, 24=169, 22=167.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - Use USP JUS26 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 15-11-4 from the left end to connect continuous purlin to back face of bottom chord.



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

January 5,2022

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

**MiTek**

6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	C01	GABLE	1	2	T26436700
					Job Reference (optional)

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:23 2022 Page 2  
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- NOTES-**
- 15) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 17-2-8 from the left end to connect truss(es) to back face of bottom chord.
  - 16) Fill all nail holes where hanger is in contact with lumber.
  - 17) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-60, 9-14=-60, 18-19=-60, 1-20=-20, 2-3=-60, 17-18=-60, 3-9=-60, 14-17=-60

Concentrated Loads (lb)

Vert: 24=-204(B) 28=-20(B) 29=-28(B) 30=-192(B) 31=-211(B) 32=-211(B) 33=-211(B) 34=-270(B) 35=-644(B)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:24 2022 Page 1

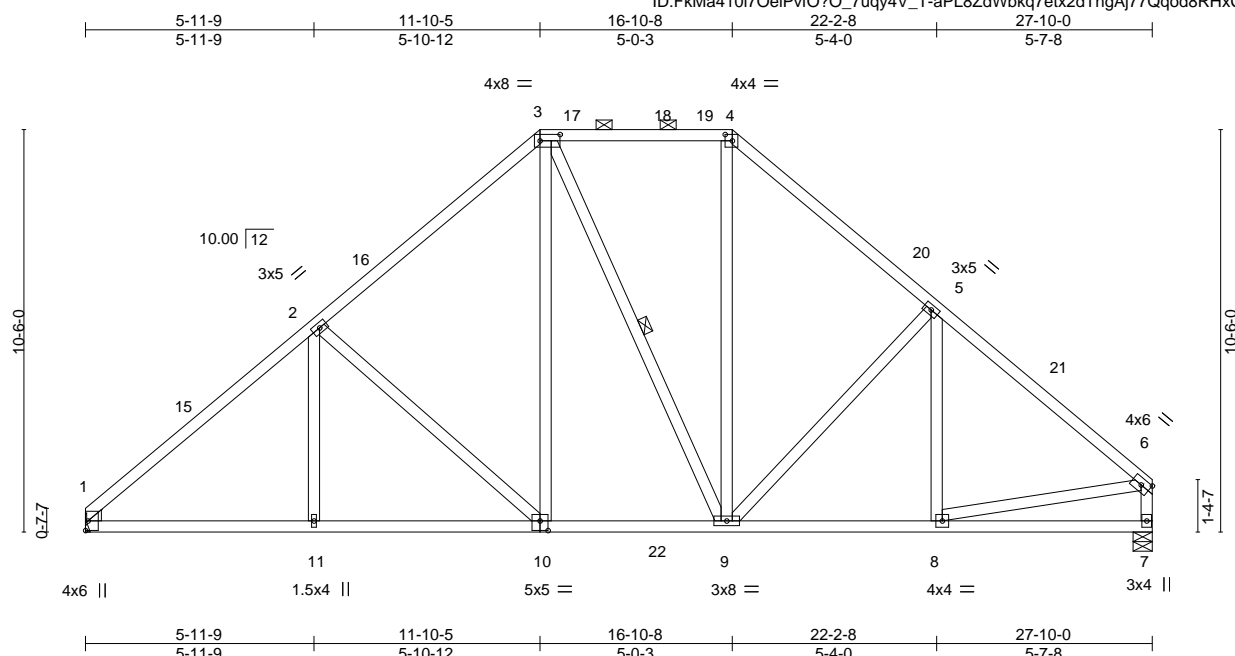


Plate Offsets (X,Y)-- [3:0-6,4,0-2,0], [4:0-2,4,0-2,0], [10:0-2,8,0-3,0]									
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.07 10-11 >999 240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.15 10-11 >999 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.04 7 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS				Weight: 187 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals, and
BOT CHORD	2x4 SP No.2		2-0-0 oc purlins (6-0-0 max.): 3-4.
WEBS	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied.
WEDGE		WEBS	1 Row at midpt                      3-9
Left: 2x4 SP No.2			

**REACTIONS.** (size) 1=Mechanical, 7=0-6-0  
Max Horz 1=216(LC 11)  
Max Grav 1=1243(LC 17), 7=1233(LC 18)

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

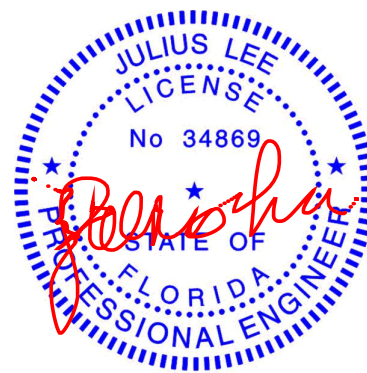
**TOP CHORD** 1-2=-1585/48, 2-3=-1189/129, 3-4=-836/136, 4-5=-1154/127, 5-6=-1361/51,  
6-7=-1137/40

**BOT CHORD** 1-11=-19/1281, 10-11=-19/1281, 9-10=0/916, 8-9=0/986

**WEBS** 2-11=0/259, 2-10=-490/92, 3-10=-9/503, 4-9=-12/454, 5-9=-312/92, 6-8=0/880

**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=28ft; 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 11-10-5, Exterior(2R) 11-10-5 to 16-1-4, Interior(1) 16-1-4 to 16-10-8, Exterior(2R) 16-10-8 to 21-1-7, Interior(1) 21-1-7 to 27-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

January 5, 2022

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

**WARNING -** verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MH-1473 Rev. 3/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2067 Crain Highway, Suite 203 Waldorf, MD 20601



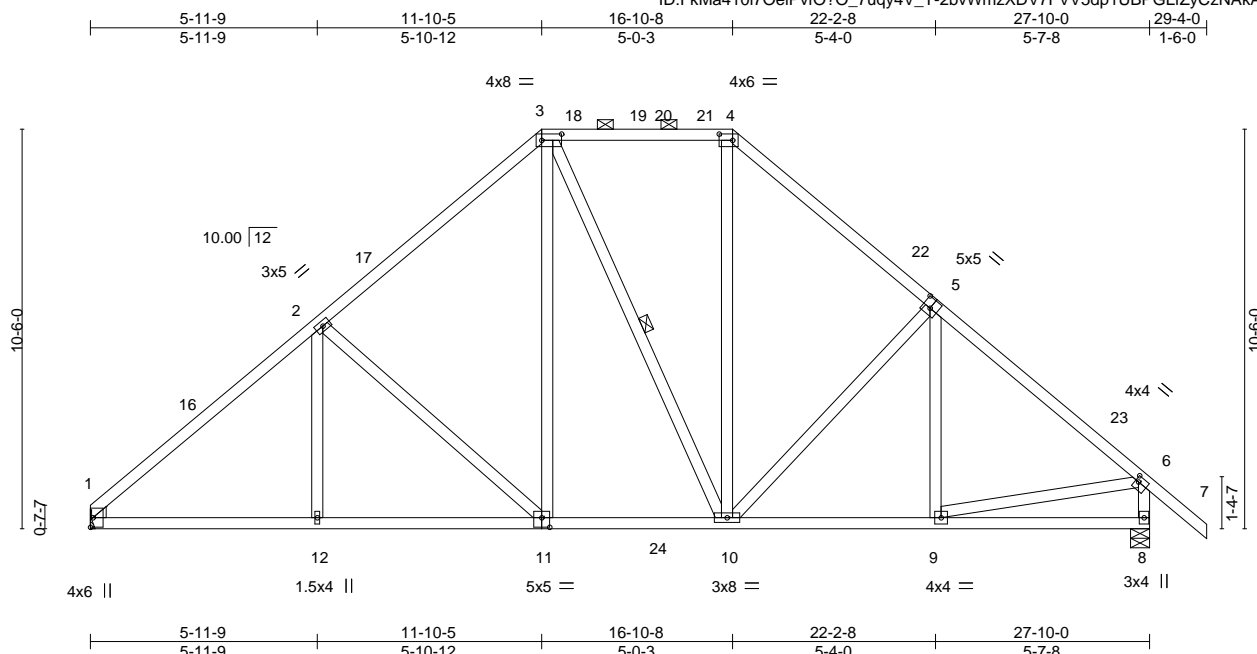
6904 Parke East Blvd  
Tampa, FL 36610

Job GONZALEZ	Truss C03	Truss Type PIGGYBACK BASE	Qty 1	Ply 1	Gonzalez	T26436702
Job Reference (optional)						

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:25 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-2bvWmzXDv7FVV5dp1UBPGLfZyCzNakALiTnjIuzyla4



Scale = 1:60.5

Plate Offsets (X,Y)--	[3:0-6-4,0-2-0], [4:0-4-4,0-2-0], [5:0-2-8,0-3-0], [6:0-1-0,0-1-12], [11:0-2-8,0-3-0]						
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.39	Vert(LL)	-0.07 11-12	>999	240
TCDL 10.0	Lumber DOL	1.25	BC 0.47	Vert(CT)	-0.15 11-12	>999	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.54	Horz(CT)	0.04 8	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS				
				<b>PLATES</b>	<b>GRIP</b>		
				MT20	244/190		
				Weight: 190 lb		FT = 20%	

#### LUMBER-

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.2  
WEDGE  
Left: 2x4 SP No.2

#### BRACING-

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

#### REACTIONS.

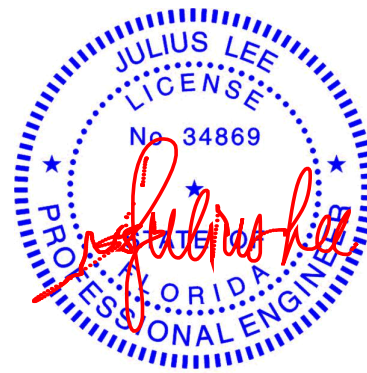
(size) 1=Mechanical, 8=0-6-0  
Max Horz 1=226(LC 11)  
Max Uplift 8=41(LC 12)  
Max Grav 1=1240(LC 17), 8=1327(LC 18)

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

TOP CHORD 1-2=-1582/48, 2-3=-1186/130, 3-4=-834/137, 4-5=-1118/115, 5-6=-1341/39, 6-8=-1231/82  
BOT CHORD 1-12=0/1292, 11-12=0/1292, 10-11=0/926, 9-10=0/973  
WEBS 2-12=0/259, 2-11=-491/92, 3-11=-9/504, 4-10=0/428, 5-10=-253/67, 6-9=0/842

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=28ft; 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 11-10-5, Exterior(2R) 11-10-5 to 16-1-4, Interior(1) 16-1-4 to 16-10-8, Exterior(2R) 16-10-8 to 21-1-7, Interior(1) 21-1-7 to 29-4-0 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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MiTek USA, Inc. FL Cert 6634  
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Date:

January 5,2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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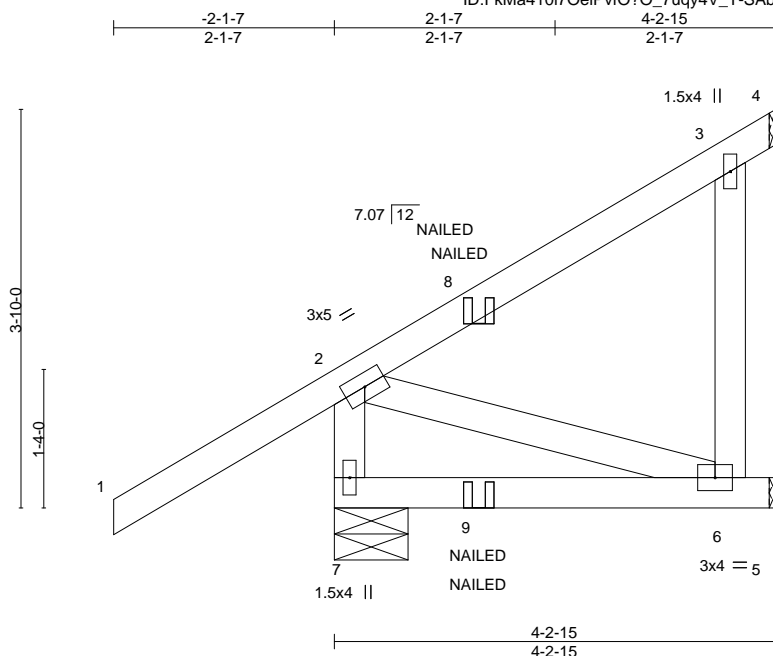


Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436704
GONZALEZ	CJ01	Diagonal Hip Girder	2	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:28 2022 Page 1

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Scale = 1:22.1

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.58	Vert(LL)	0.02	6-7	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.14	Vert(CT)	-0.02	6-7	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.05	Horz(CT)	-0.00	4	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						
								Weight: 29 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 7=0-8-8, 4=Mechanical, 5=Mechanical  
Max Horz 7=128(LC 8)  
Max Uplift 7=131(LC 8), 4=-29(LC 8), 5=-159(LC 17)  
Max Grav 7=273(LC 1), 4=190(LC 17), 5=17(LC 24)

**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; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 7=131, 5=159.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-2=-60, 2-4=-60, 5-7=-20  
Concentrated Loads (lb)  
Vert: 8=90(F=45, B=45)



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

January 5, 2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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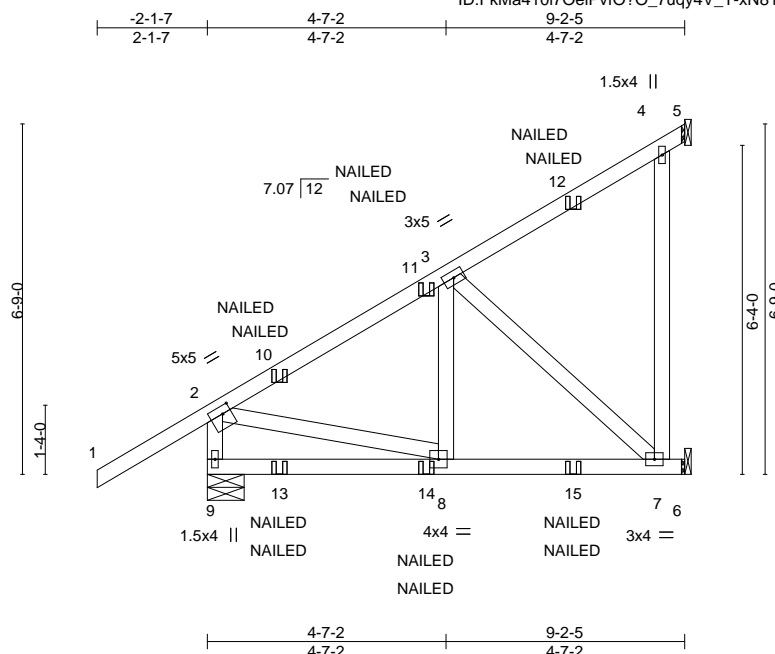
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436705
GONZALEZ	CJ02	Diagonal Hip Girder	1	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:29 2022 Page 1

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Scale = 1:44.4

Plate Offsets (X,Y)--		[2:0-2-0,0-1-12]							
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.53		Vert(LL) 0.08 7-8	>999 240	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.73		Vert(CT) -0.10 7-8	>999 180		
BCLL 0.0 *		Rep Stress Incr	NO	WB 0.24		Horz(CT) -0.00 5	n/a n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MS				Weight: 63 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 9=0-8-8, 5=Mechanical, 6=Mechanical  
Max Horz 9=198(LC 8)  
Max Uplift 9=222(LC 8), 5=257(LC 5), 6=-10(LC 8)  
Max Grav 9=492(LC 30), 5=372(LC 28), 6=401(LC 3)

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

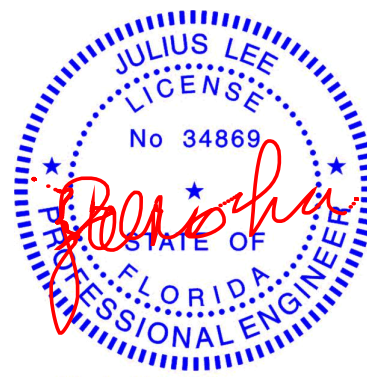
TOP CHORD 2-9=-468/210, 2-3=-444/168  
BOT CHORD 7-8=-202/342  
WEBS 2-8=-76/411, 4-7=-339/341, 3-7=-459/271

#### NOTES-

- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 9=222, 5=257.
- "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-2=-60, 2-5=-60, 6-9=-20  
Concentrated Loads (lb)  
Vert: 10=90(F=45, B=45) 12=110(F=55, B=55) 14=3(F=2, B=2) 15=-250(F=-125, B=-125)



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

January 5, 2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

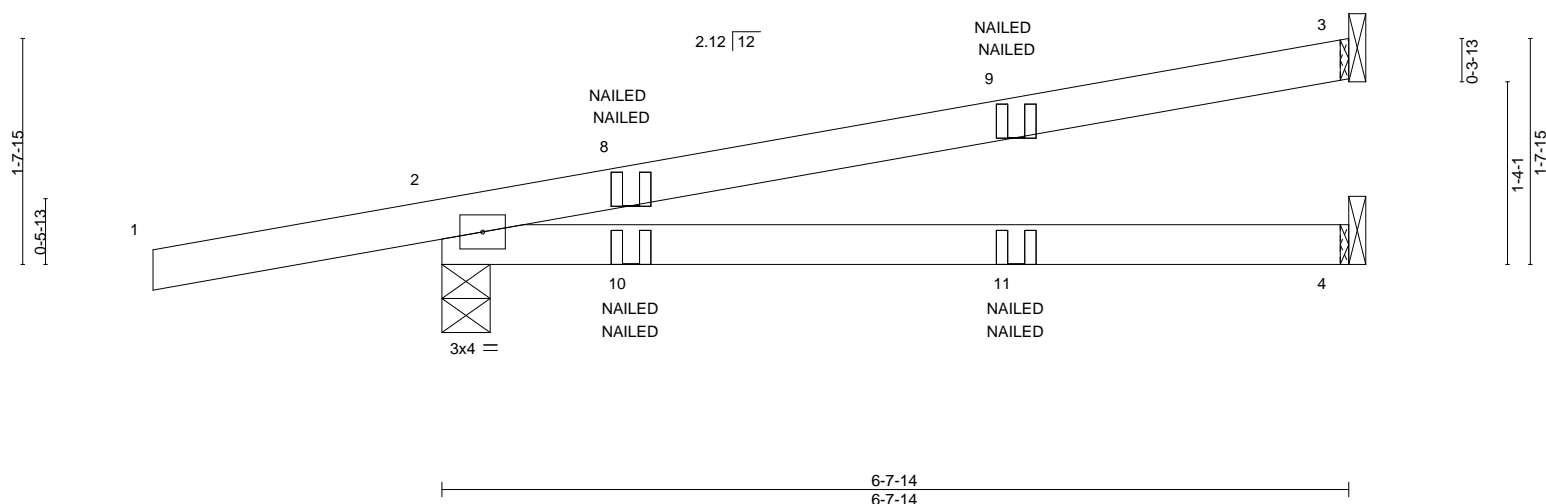


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Tampa, FL 36610

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:30 2022 Page 1  
ID:FkMa410i7OeiPvfQ?O 7uav4V T-PZiPqaaMKaunbsVma1nazONowDhUr6t41UUQ6zvIa?

-2-1-7	3-5-13	6-7-14
2-1-7	3-5-13	3-2-2

Scale = 1:16.9



<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.25	TC 0.57	Vert(LL)	-0.08	4-7	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.41	Vert(CT)	-0.13	4-7	>607		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT)	0.01	3	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MP					Weight: 23 lb	FT = 20%

**LUMBER-**

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

**BRACING-**

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

**REACTIONS.**

(size) 3=Mechanical, 2=0-4-4, 4=Mechanical  
 Max Horiz 2=45(LC 4)  
 Max Uplift 3=31(LC 4), 2=-76(LC 4)  
 Max Grav 3=155(LC 1), 2=320(LC 1), 4=107(LC 3)

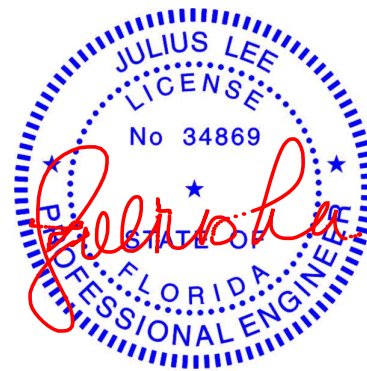
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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

## LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-3=-60, 4-5=-20  
Concentrated Loads (lb)  
Vert: 8=59(F=30, B=30) 10=60(F=30, B=30) 11=-5(F=-2, B=-2)



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6904 Parke East Blvd. Tampa FL 33610  
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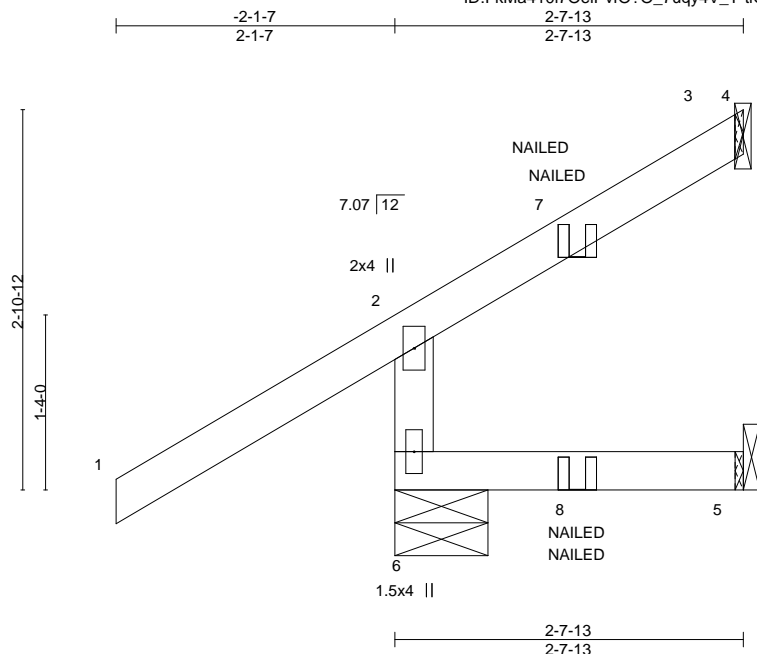


6904 Parke East Blvd  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436707
GONZALEZ	CJ04	Diagonal Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:31 2022 Page 1  
ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-tlGn10b\_5z0eD04zNllpWcvbLc66aZ7DGPE2yYzyla\_



Scale = 1:17.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.40	Vert(LL)	0.01	5-6	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.13	Vert(CT)	0.01	5-6	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	-0.02	3	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MR						
								Weight: 14 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-7-13 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

#### REACTIONS.

(size) 6=0-8-8, 5=Mechanical, 3=Mechanical  
Max Horz 6=62(LC 8)  
Max Uplift 6=-98(LC 8), 5=-28(LC 5), 3=-47(LC 14)  
Max Grav 6=276(LC 1), 5=38(LC 22), 3=27(LC 25)

**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); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 5, 3.
- 9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-2=-60, 2-3=-60, 3-4=-20, 5-6=-20  
Concentrated Loads (lb)  
Vert: 7=44(B) 8=-1(F)



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

January 5, 2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



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Tampa, FL 33610

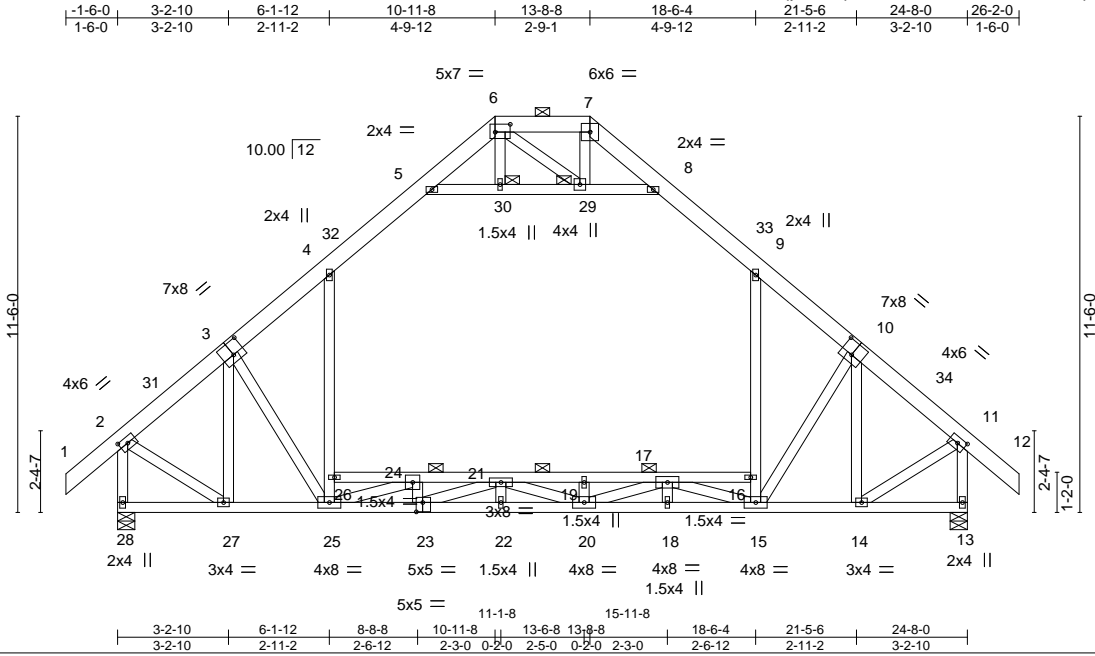
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436708
GONZALEZ	D01	ATTIC	12	1		

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:33 2022 Page 1

ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-p8OYSidFdbGMSKELVAKHb1?pJQa92NiWjjj70QzylZy



Scale = 1:66.9

Plate Offsets (X,Y)--		[2:0-2-14,0-2-0], [3:0-4-0,0-4-8], [6:0-5-4,0-2-12], [10:0-4-0,0-4-8], [11:0-2-14,0-2-0], [23:0-2-4,0-3-4]								
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL	20.0	Plate Grip DOL	1.25	TC 0.94	Vert(LL)	-0.23 19-21	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC 0.98	Vert(CT)	-0.42 19-21	>694	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.44	Horz(CT)	0.07 13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS	Attic	-0.14 16-26	1065	360	Weight: 240 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.  
BOT CHORD Rigid ceiling directly applied. Except: 3-4-0 oc bracing: 16-26  
JOINTS 1 Brace at Jt(s): 29, 30

#### REACTIONS.

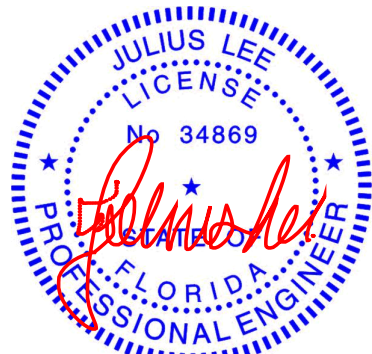
(size) 28=0-6-0, 13=0-6-0  
Max Horz 28=266(LC 11)  
Max Grav 28=1645(LC 18), 13=1645(LC 19)

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

TOP CHORD 2-3=-1315/0, 3-4=-1553/0, 4-5=-1072/0, 6-7=-3/355, 8-9=-1072/0, 9-10=-1558/0, 10-11=-1315/0, 2-28=-1612/0, 11-13=-1611/0  
BOT CHORD 27-28=-237/253, 25-27=0/1104, 23-25=0/2675, 22-23=0/3366, 20-22=0/3366, 18-20=0/2514, 15-18=0/2514, 14-15=0/964, 21-24=-1771/0, 19-21=-2538/0, 17-19=-2538/0  
WEBS 3-27=-648/0, 3-25=-77/264, 25-26=0/610, 4-26=0/800, 5-30=-1332/0, 29-30=-1328/0, 8-29=-1347/0, 15-16=0/613, 9-16=0/805, 10-15=-81/271, 10-14=-660/0, 2-27=0/1119, 11-14=0/1118, 23-24=0/320, 19-20=-270/0, 24-25=-1885/0, 21-23=-746/0, 17-20=0/981, 15-17=-1768/0

#### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; 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 10-11-8, Exterior(2E) 10-11-8 to 13-8-8, Exterior(2R) 13-8-8 to 17-11-7, Interior(1) 17-11-7 to 26-2-0 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) Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-30, 29-30, 8-29; Wall dead load (5.0psf) on member(s). 4-26, 9-16
- 8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 24-26, 21-24, 19-21, 17-19, 16-17
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Attic room checked for L/360 deflection.



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January 5,2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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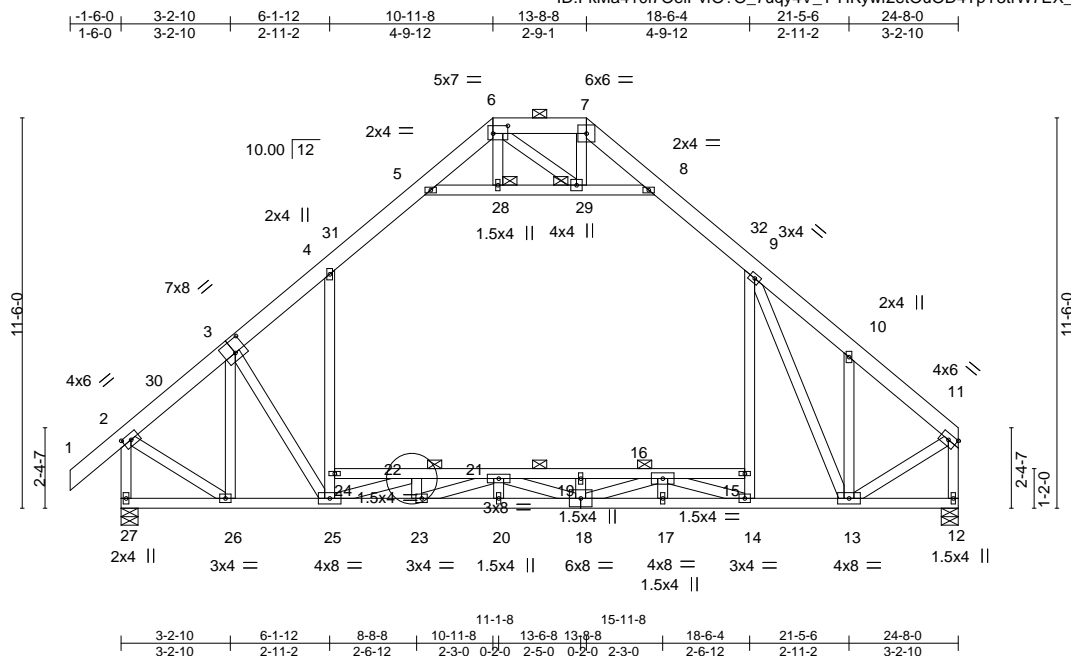
Job GONZALEZ	Truss D02	Truss Type ATTIC	Qty 2	Ply 1	Gonzalez	T26436709
Job Reference (optional)						

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:34 2022 Page 1

ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-HKywf2etOuOD4TpY3trW7EX\_mqx6npYgyNShYtzylZx



Scale = 1:67.9

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [3:0-4-0,0-4-8], [6:0-5-4,0-2-12]									
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.22 19-21 >999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.41 19-21 >718	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.06 12 n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Attic	-0.13 15-24 1112	360	Weight: 238 lb FT = 20%

#### LUMBER-

TOP CHORD 2x6 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
18-27: 2x4 SP No.1  
WEBS 2x4 SP No.2

#### REACTIONS.

(size) 27=0-6-0, 12=0-6-0  
Max Horz 27=256(LC 11)  
Max Grav 27=1648(LC 18), 12=1551(LC 19)

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

TOP CHORD 2-3=-1318/0, 3-4=-1562/0, 4-5=-1076/0, 6-7=-4/349, 8-9=-1072/0, 9-10=-1653/0,  
10-11=-1329/0, 2-27=-1614/0, 11-12=-1516/0  
BOT CHORD 25-26=0/1092, 23-25=0/2645, 20-23=0/3377, 18-20=0/3377, 17-18=0/2507, 14-17=0/2507,  
13-14=0/1099, 21-22=-1650/0, 19-21=-2560/0, 16-19=-2560/0  
WEBS 3-26=-664/0, 3-25=-81/275, 24-25=0/616, 4-24=0/802, 5-28=-1336/0, 28-29=-1331/0,  
8-29=-1344/0, 14-15=0/739, 9-15=0/931, 9-13=-255/197, 10-13=-659/34, 2-26=0/1118,  
11-13=0/1176, 22-23=0/282, 18-19=-266/0, 14-16=-1762/0, 16-18=0/1013, 21-23=-880/0,  
22-25=-1797/0

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; 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 10-11-8, Exterior(2E) 10-11-8 to 13-8-8, Exterior(2R) 13-8-8 to 17-11-7, Interior(1) 17-11-7 to 24-6-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-28, 28-29, 8-29; Wall dead load (5.0psf) on member(s). 4-24, 9-15
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 22-24, 21-22, 19-21, 16-19, 15-16
- Following joints to be plated by qualified designer: Joint(s) 22, not plated.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Attic room checked for L/360 deflection.



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MiTek USA, Inc. FL Cert 6634  
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Date:

January 5, 2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

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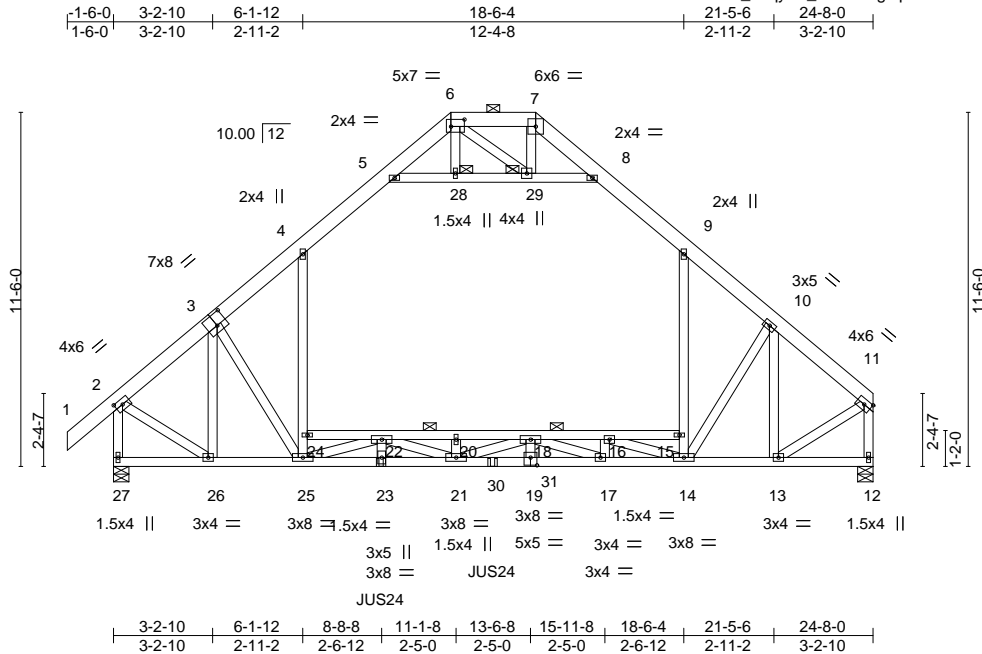
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Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436710
GONZALEZ	D03	ATTIC GIRDER	1	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:37 2022 Page 1  
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Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	D03	ATTIC GIRDER	1	2	T26436710
					Job Reference (optional)

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:37 2022 Page 2  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-ivd3l3glhpmoxxY7k?PDlt9Tr1ys\_9J6eLhL9CzylZu

NOTES-

- 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 22-24, 20-22, 18-20, 16-18, 15-16
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 27=273, 12=141.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Use USP JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 3-7-7 oc max. starting at 8-8-4 from the left end to 12-3-11 to connect truss(es) to front face of bottom chord.
- 14) Fill all nail holes where hanger is in contact with lumber.
- 15) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
  - Uniform Loads (plf)
    - Vert: 1-2=-60, 2-4=-60, 4-5=-70, 5-6=-60, 6-7=-60, 7-8=-60, 8-9=-70, 9-11=-60, 12-27=-20, 15-24=-30, 5-8=-10
    - Drag: 4-24=-10, 9-15=-10
  - Concentrated Loads (lb)
    - Vert: 23=-766(F) 30=-407(F)

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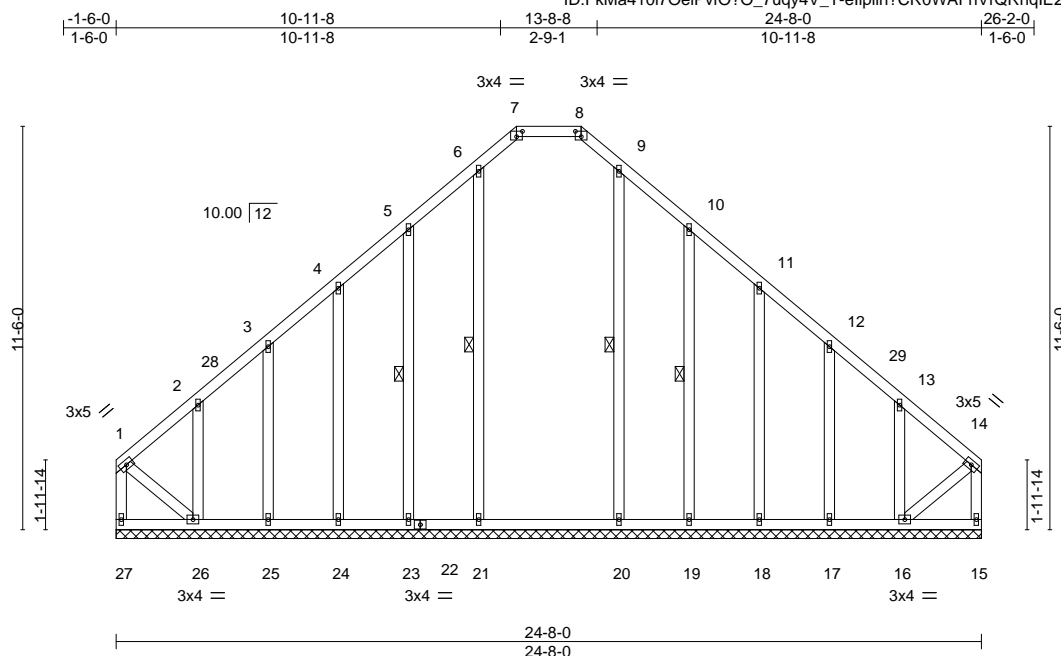


Plate Offsets (X,Y)-- [7:0-2-0,0-1-13], [8:0-2-0,0-1-13]									
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	n/a - n/a	999	MT20 244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a - n/a	999	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01 15 n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S					Weight: 196 lb FT = 20%

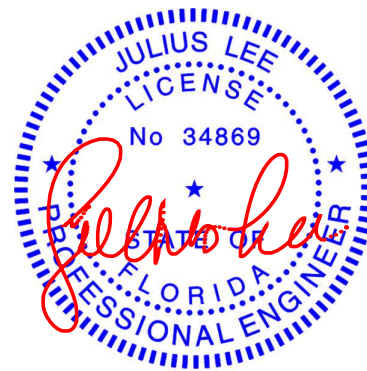
<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 6-21, 5-23, 9-20, 10-19
OTHERS	2x4 SP No.2		

**REACTIONS.** All bearings 24-8-0.  
(lb) - Max Horz 27=238(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 15, 23, 24, 25, 19, 18, 17 except 27=-108(LC 10), 26=-177(LC 12), 16=-177(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 23, 24, 25, 19, 18, 17 except 27=280(LC 18), 15=260(LC 17), 21=299(LC 17), 26=268(LC 17), 20=285(LC 18), 16=258(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-27=-299/125, 14-15=-286/99  
 WEBS 1-26=-142/281, 14-16=-133/271

**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=25ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 0-1-12 to 3-1-12, Exterior(2N) 3-1-12 to 11-4-15, Corner(3E) 11-4-15 to 13-3-1, Corner(3R) 13-3-1 to 16-4-0, Exterior(2N) 16-4-0 to 24-6-4 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 1.5x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 23, 24, 25, 19, 18, 17 except (jt=lb) 27=108, 26=177, 16=177.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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MiTek USA, Inc. FL Cert 6634  
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Date:

January 5, 2022

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6904 Parke East Blvd  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436712
GONZALEZ	G01	Common Girder	1	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:40 2022 Page 1

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4x4 ||

Scale = 1:50.9

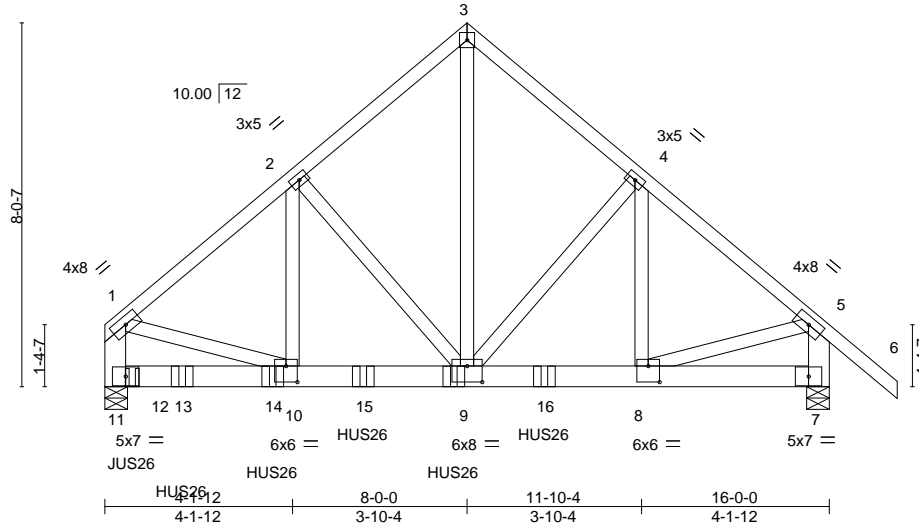


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0], [5:0-0-0,0-0-0], [8:0-3-0,0-4-4], [9:0-4-0,0-4-4], [10:0-3-0,0-4-4]													
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b>		<b>GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.04	8-9	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.08	8-9	>999	180			
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.01	7	n/a	n/a			
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 252 lb	FT = 20%	

#### LUMBER-

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x6 SP No.2  
WEBS 2x4 SP No.2 \*Except\*  
1-11,5-7: 2x6 SP No.2

#### BRACING-

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

#### REACTIONS.

(size) 11=0-6-0, 7=0-6-0  
Max Horz 11=-179(LC 23)  
Max Grav 11=5515(LC 2), 7=2915(LC 2)

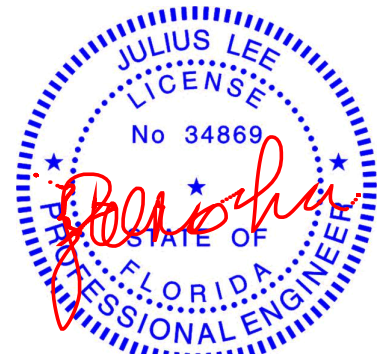
#### FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-4291/0, 2-3=-3067/0, 3-4=-3066/0, 4-5=-3231/0, 1-11=-3581/0, 5-7=-2905/0  
BOT CHORD 10-11=-30/676, 9-10=0/3243, 8-9=0/2422  
WEBS 2-10=0/1696, 2-9=-1428/0, 3-9=0/3642, 1-10=0/2750, 5-8=0/2429

#### NOTES-

- 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 0-6-0 oc.  
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 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.
- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 11, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 0-7-4 from the left end to connect truss(es) to front face of bottom chord.
- Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-8-8 from the left end to 9-8-8 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

**LOAD CASE(S)** Standard



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

January 5,2022

Continued on page 2

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436712
GONZALEZ	G01	Common Girder	1	2	Job Reference (optional)	

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

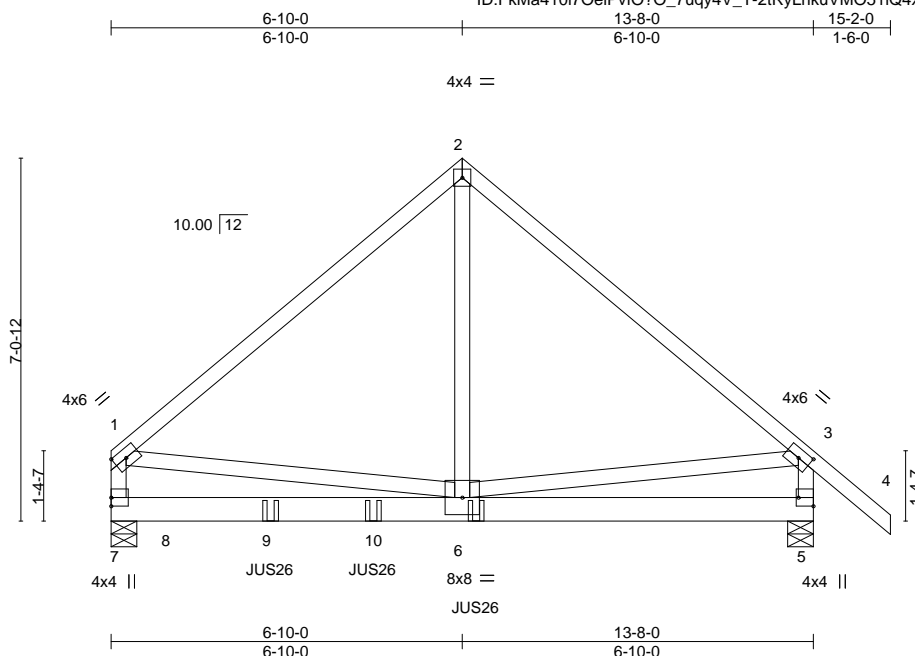
8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:41 2022 Page 2  
ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-agtZ7RjGk2GEQYruzrU9vjKJzeOtw?BiZyfYlzzylZq

**LOAD CASE(S)** Standard  
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-3=-60, 3-5=-60, 5-6=-60, 7-11=-20  
Concentrated Loads (lb)  
Vert: 9=-1085(F) 8=-237 12=-1067(F) 13=-1088(F) 14=-1088(F) 15=-1088(F) 16=-1088(F)





Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:42 2022 Page 1  
ID:FkMa410i7OeiPvTO7O\_7uqy4V\_T-2tRyLnkuVMO51iQ4XZ?OSwsTO2mhfWCrocO6qPzylZp  
6-10-0 13-8-0 15-2-0  
6-10-0 6-10-0 1-6-0  
4x4 = Scale = 1:44.8



<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10'-0" oc bracing.
WEBS	2x4 SP No.2		

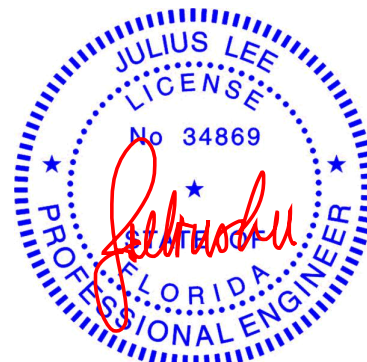
**REACTIONS.** (size) 7=0-6-0, 5=0-6-0  
 Max Horz 7=-159(LC 23)  
 Max Uplift 7=-122(LC 8), 5=-228(LC 8)  
 Max Grav 7=1841(LC 1), 5=1402(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-1591/262, 2-3=-1600/267, 1-7=-1244/206, 3-5=-1407/239  
 BOT CHORD 6-7=-76/527  
 WEBS 2-6=-230/1501, 1-6=-244/713, 3-6=-228/1043

**NOTES-**

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl.; GCp=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)  
7=122, 5=228.
- 9) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-1-4 from the left end to 7-1-4 to connect truss(es) to back face of bottom chord.
- 10) Fill all nail holes where hanger is in contact with lumber.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 275 lb down and 39 lb up at 1-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

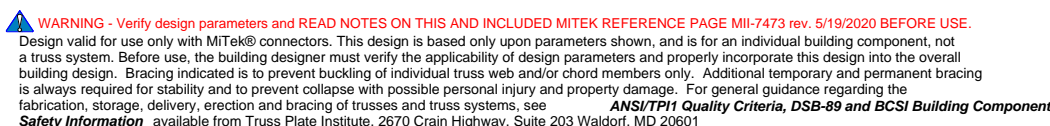
LOAD CASE(S) Standard



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6904 Parke East Blvd. Tampa FL 33610  
Date:

January 5, 2022

Continued on page 2



6904 Parke East Blvd  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436713
GONZALEZ	G02	Common Girder	1	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:42 2022 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: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20
  - Concentrated Loads (lb)
    - Vert: 6=-1023(B) 8=-275 9=-388(B) 10=-388(B)

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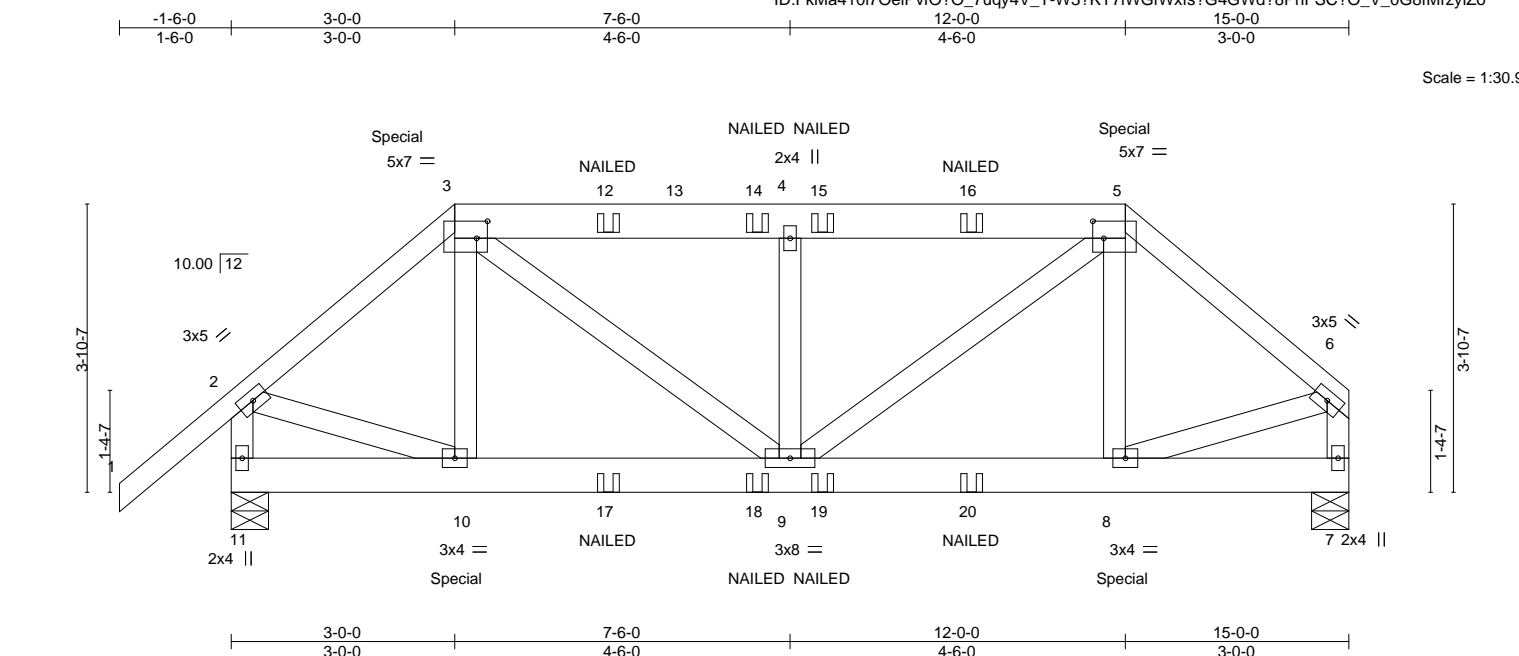
Job GONZALEZ	Truss H01	Truss Type Hip Girder	Qty 1	Ply 1	Gonzalez	T26436714
Job Reference (optional)						

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:43 2022 Page 1

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Scale = 1:30.9



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	0.02	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.02				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00				
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							
										Weight: 110 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 11=0-6-0, 7=0-6-0  
Max Horz 11=95(LC 7)  
Max Uplift 11=312(LC 8), 7=270(LC 8)  
Max Grav 11=842(LC 36), 7=742(LC 37)

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

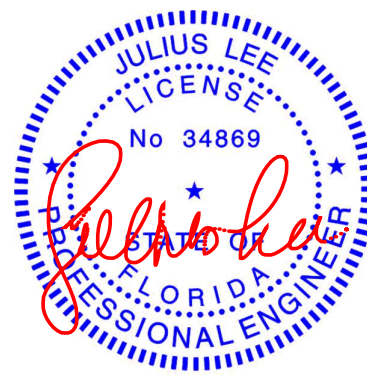
TOP CHORD 2-3=-750/324, 3-4=-844/366, 4-5=-844/366, 5-6=-759/321, 2-11=-815/326, 6-7=-713/281  
BOT CHORD 9-10=-250/561, 8-9=-234/556  
WEBS 3-9=-139/400, 4-9=-343/161, 5-9=-140/384, 2-10=-227/579, 6-8=-236/556

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=312, 7=270.
- "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 204 lb down and 133 lb up at 3-0-0, and 204 lb down and 133 lb up at 12-0-0 on top chord, and 46 lb down and 182 lb up at 3-0-0, and 46 lb down and 182 lb up at 11-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-2=-60, 2-3=-60, 3-5=-60, 5-6=-60, 7-11=-20



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

January 5, 2022

Continued on page 2

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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	H01	Hip Girder	1	1	T26436714
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:44 2022 Page 2  
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**LOAD CASE(S)** Standard  
Concentrated Loads (lb)  
Vert: 3=-106(F) 5=-106(F) 10=88(F) 8=88(F) 12=-1(F) 14=-1(F) 15=-1(F) 16=-1(F) 17=-3(F) 18=-3(F) 19=-3(F) 20=-3(F)





Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	H02	Hip Girder	1	2	T26436715
					Job Reference (optional)

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:45 2022 Page 2  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-TS64zommoHmfuA9fChY54ZU20GqtssUHUadmRkzylZm

**LOAD CASE(S)** Standard  
Concentrated Loads (lb)  
Vert: 9=-575(B) 11=-575(B) 12=-575(B) 13=-575(B) 14=-575(B) 15=-575(B) 16=-578(B)



Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436716
GONZALEZ	H03	Half Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:46 2022 Page 1  
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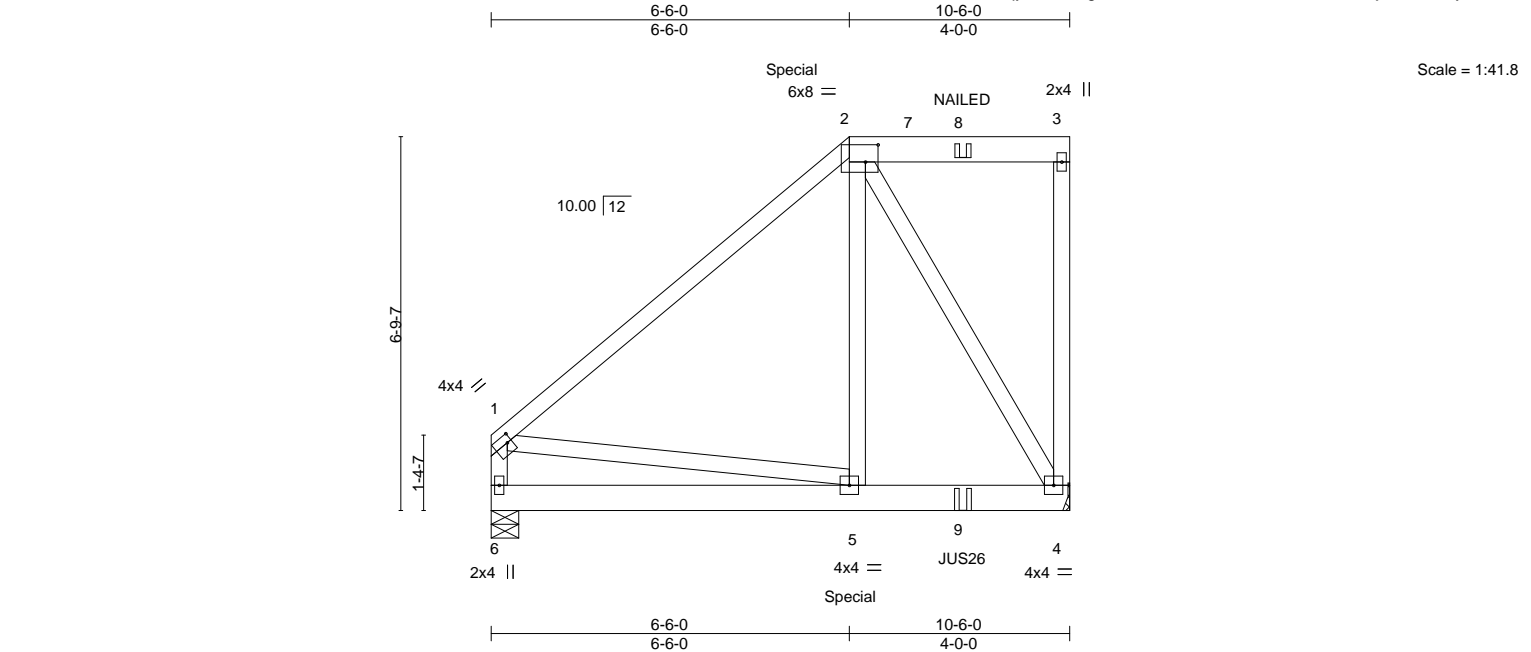


Plate Offsets (X,Y)-- [1:0-1-0,0-1-12], [2:0-2-12,0-3-12]									
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES</b>	<b>GRIP</b>
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.02 4-5 >999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.04 5-6 >999	180	
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.00 4 n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 85 lb FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins, except end verticals.
2-3: 2x6 SP No.2	
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

**REACTIONS.** (size) 6=0-6-0, 4=Mechanical  
Max Horz 6=189(LC 7)  
Max Uplift 6=190(LC 8), 4=-488(LC 5)  
Max Grav 6=721(LC 1), 4=1107(LC 36)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-794/301, 1-6=-661/230  
BOT CHORD 4-5=-279/555  
WEBS 2-5=-262/711, 2-4=-1033/456, 1-5=-309/456

#### 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=190, 4=488.
- 9) Use USP JUS26 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 8-6-12 from the left end to connect truss(es) to back face of bottom chord.
- 10) Fill all nail holes where hanger is in contact with lumber.
- 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 394 lb down and 354 lb up at 6-6-0 on top chord, and 532 lb down and 252 lb up at 6-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) 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

Continued on page 2



Julius Lee PE No.34869  
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6904 Parke East Blvd. Tampa FL 33610  
Date:

January 5,2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436716
GONZALEZ	H03	Half Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:46 2022 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: 1-2=-60, 2-3=-60, 4-6=-20  
Concentrated Loads (lb)  
Vert: 2=-232(B) 5=-532(B) 8=54(B) 9=-237(B)

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

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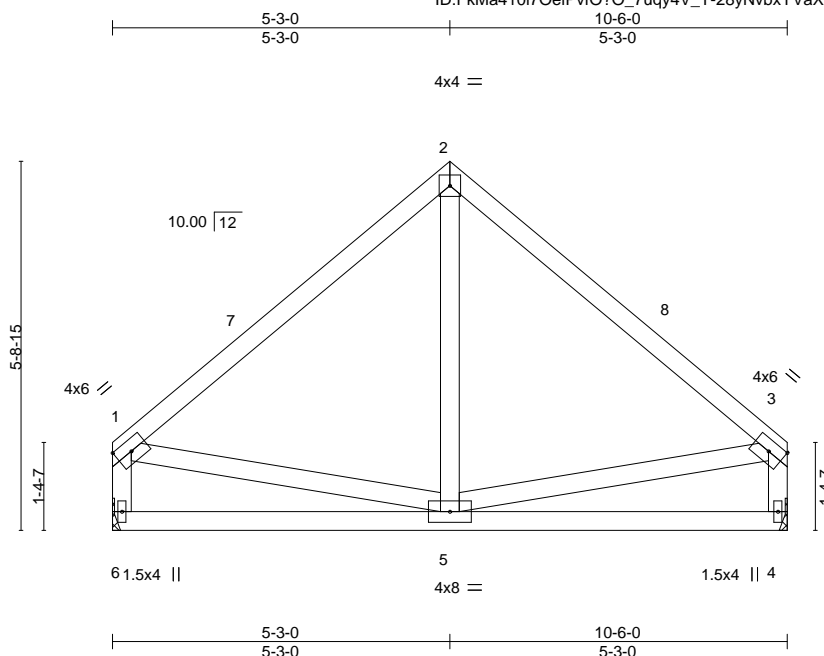
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Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436717
GONZALEZ	H3A	Common	2	1		

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8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:59 2022 Page 1

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Scale = 1:35.9

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	-0.01	5-6	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.22	Vert(CT)	-0.03	5-6	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	4	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						
								Weight: 62 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) 6=Mechanical, 4=Mechanical  
Max Horz 6=-117(LC 10)  
Max Grav 6=408(LC 1), 4=408(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-383/102, 2-3=-383/102, 1-6=-360/100, 3-4=-360/100

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-3-0, Exterior(2R) 5-3-0 to 8-3-0, Interior(1) 8-3-0 to 10-4-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 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:

January 5, 2022

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436718
GONZALEZ	H04	Half Hip Girder	2	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:47 2022 Page 1  
ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-PqEqOUo1Ku1N8Ti2J6aZ9\_aKk3TVKkZaxu6tVdzylZk

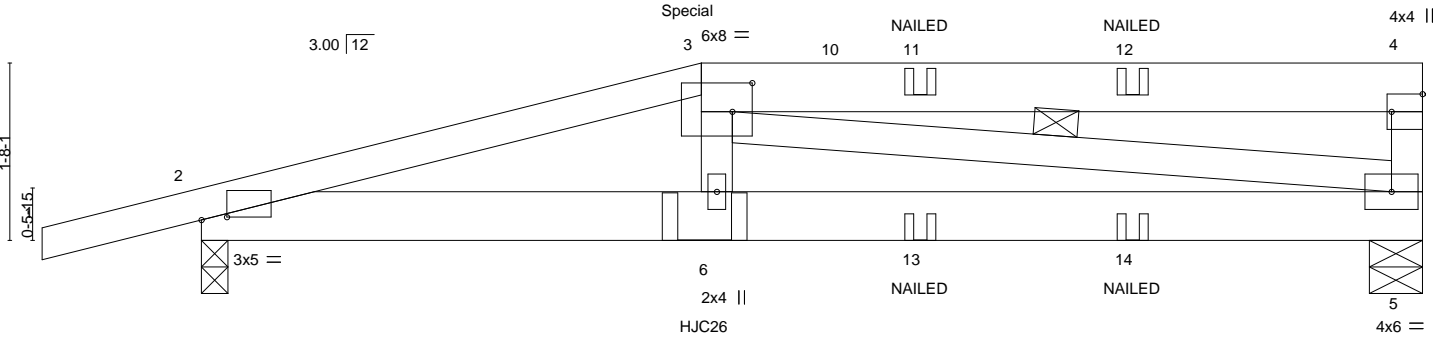


Plate Offsets (X,Y)--		[2:0-2-14,0-0-5], [3:0-2-4,0-3-4], [4:Edge,0-3-8]			
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	in (loc) l/defl L/d	MT20 244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.47	Vert(LL) -0.05 6 >999 240	
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.29	Vert(CT) -0.10 5-6 >999 180	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Horz(CT) 0.02 5 n/a n/a	
				Weight: 64 lb FT = 20%	

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins, except end verticals.
3-4: 2x6 SP No.2	
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 3-5

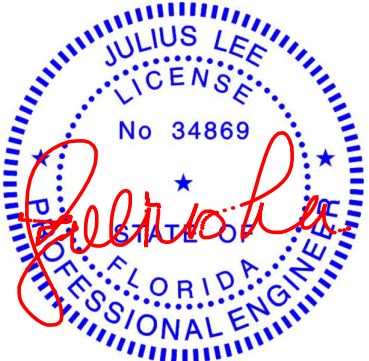
<b>REACTIONS.</b>	(size) 5=0-6-0, 2=0-3-0
	Max Horz 2=39(LC 7)
	Max Uplift 2=33(LC 8)
	Max Grav 5=657(LC 1), 2=724(LC 1)

<b>FORCES.</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1635/0, 3-4=-258/11, 4-5=-280/52
BOT CHORD	2-6=0/1561, 5-6=0/1580
WEBS	3-6=0/349, 3-5=-1350/0

- 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=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
  - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
  - 5) Provide adequate drainage to prevent water ponding.
  - 6) Gable studs spaced at 2-0-0 oc.
  - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
  - 10) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 4-8-14 from the left end to connect truss(es) to back face of bottom chord.
  - 11) Fill all nail holes where hanger is in contact with lumber.
  - 12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
  - 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 176 lb down and 101 lb up at 4-8-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
  - 14) 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

Continued on page 2



Julius Lee PE No.34869  
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Date:

January 5,2022



Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436718
GONZALEZ	H04	Half Hip Girder	2	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:47 2022 Page 2  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-PqEqOUo1Ku1N8Ti2J6aZ9\_aKk3TVKkZaxu6tVdzylZk

LOAD CASE(S) Standard

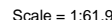
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
  - Vert: 1-3=-60, 3-4=-60, 5-7=-20
- Concentrated Loads (lb)
  - Vert: 3=-129(B) 6=-70(B) 11=-59(B) 12=-59(B) 13=-32(B) 14=-32(B)



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8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:49 2022 Page 1

ID:EkMa410i7OeiPyfO?Q\_7uqv4V\_T-I DMbpApHsVH5NpSOBXd1EPfeEtB4oaNtPCb\_aVzylZi



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

TOP CHORD	2-3=-965/168, 3-4=-861/183, 4-5=-344/109, 6-7=-695/211, 2-11=-681/133
BOT CHORD	10-11=-534/419, 9-10=-585/939, 8-9=-470/792
WEBS	4-9=-449/848, 4-8=-745/424, 6-8=-254/564, 2-10=-44/678

**NOTES-**

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=6.0psf; BC DL=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 10-10-0, Exterior(2E) 10-10-0 to 15-0-4 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 11.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down and 41 lb up at 10-10-0, and 54 lb down and 35 lb up at 12-10-12, and 80 lb down and 20 lb up at 15-0-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

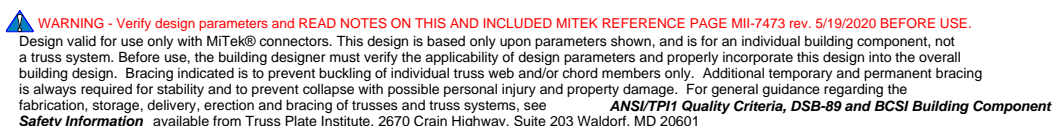
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-2=-60, 2-5=-60, 5-6=-60, 9-11=-20, 7-9=-20



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6904 Parke East Blvd. Tampa FL 33610  
Date:

January 5, 2022

Continued on page 2



6904 Parke East Blvd  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436720
GONZALEZ	H06	Half Hip	2	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:49 2022 Page 2  
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**LOAD CASE(S)** Standard  
Concentrated Loads (lb)  
Vert: 5=-21 6=-80 15=-54

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:50 2022 Page 1

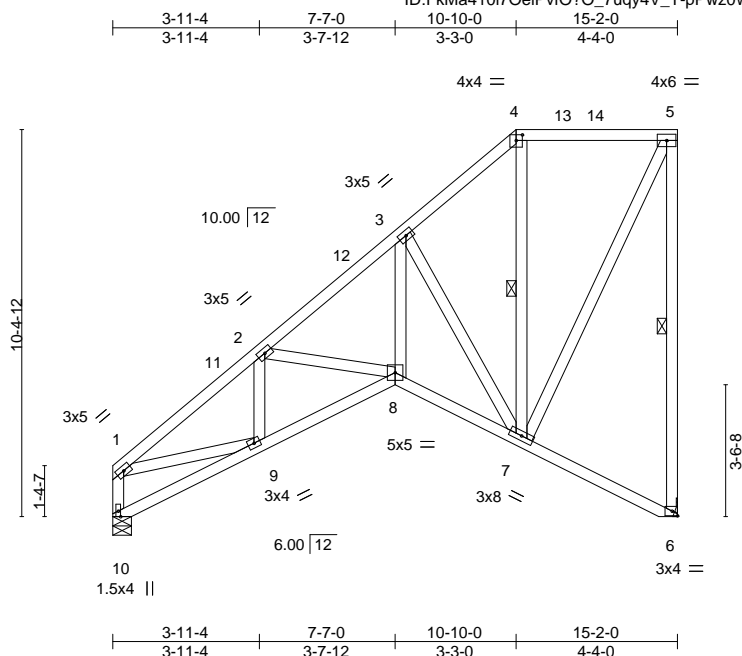


Plate Offsets (X,Y)-- [4:0-2-0,0-1-13]									
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.03 8 >999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.06 8-9 >999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.07 6 n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 124 lb FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt                      5-6, 4-7

**REACTIONS.** (size) 6=Mechanical, 10=0-6-0  
Max Horz 10=307(LC 32)  
Max Uplift 6=-74(LC 9)  
Max Grav 6=733(LC 1), 10=606(LC 1)

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

TOP CHORD 1-2=-983/163, 2-3=-876/192, 3-4=-366/118, 5-6=-697/215, 1-10=-596/111

BOT CHORD 9-10=-522/430, 8-9=-582/937, 7-8=-488/804

WEBS 3-8=-452/855, 3-7=-792/442, 5-7=-255/562, 1-9=-52/657

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16;  $V_{ult}=130\text{mph}$  (3-second gust)  $V_{asd}=101\text{mph}$ ;  $TCDL=6.0\text{psf}$ ;  $BCDL=6.0\text{psf}$ ;  $h=15\text{ft}$ ;  $B=45\text{ft}$ ;  $L=24\text{ft}$ ; eave=4ft; Cat. II; Exp B; Encl.,  $G_{CPI}=0.18$ ; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12 to 10-10-10 to 10-10-0, Exterior(2E) 10-10-0 to 15-0-4 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) Refer to girder(s) for truss to truss connections.
- 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) 6.
- 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 31 lb down and 41 lb up at 10-10-0, and 56 lb down and 36 lb up at 12-10-12, and 82 lb down and 21 lb up at 15-0-4 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



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Date:

January 5, 2022

Continued on page 2

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6904 Parke East Blvd  
Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436721
GONZALEZ	H07	Half Hip	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:50 2022 Page 2  
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**LOAD CASE(S)** Standard  
Uniform Loads (plf)  
Vert: 1-4=-60, 4-5=-60, 8-10=-20, 6-8=-20  
Concentrated Loads (lb)  
Vert: 4=-12 5=-82 14=-56

Job GONZALEZ	Truss H08	Truss Type Half Hip	Qty 1	Ply 1	Gonzalez	T26436722
Job Reference (optional)						

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:51 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-HcULEsrXO7Xpc5cpYyfVJqk1xgtoGZ3AsW44fOzylZg

-1-6-0 5-10-8 6-2-12  
1-6-0 5-10-8 0-4-4

Scale = 1:36.4

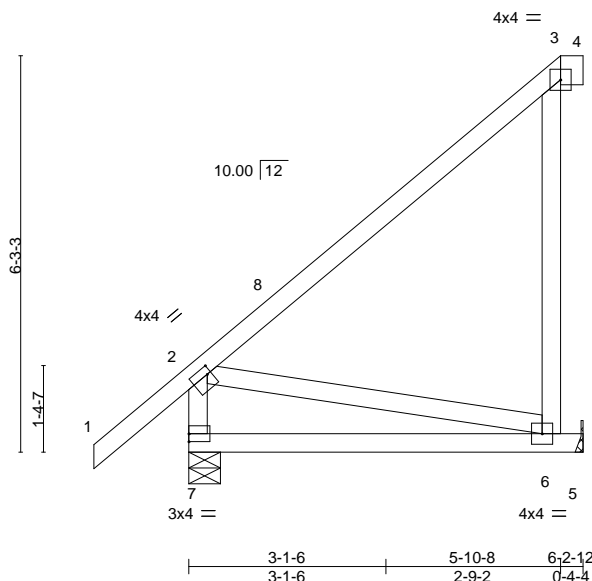


Plate Offsets (X,Y)--	[2:0-0-12,0-1-8]								
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35	Vert(LL)	-0.04 6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.38	Vert(CT)	-0.10 6-7	>740	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.19	Horz(CT)	-0.00 5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 42 lb	FT = 20%

#### LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*  
3-4: 2x6 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.2

#### BRACING-

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

#### REACTIONS.

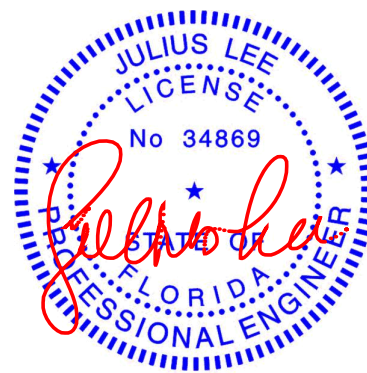
(size) 7=0-6-0, 5=Mechanical  
Max Horz 7=185(LC 12)  
Max Uplift 5=77(LC 12)  
Max Grav 7=353(LC 1), 5=251(LC 17)

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

TOP CHORD 2-7=-260/56  
BOT CHORD 6-7=-457/341  
WEBS 2-6=-351/471

#### 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 5-10-8, Exterior(2E) 5-10-8 to 6-2-12 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- 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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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436723
GONZALEZ	H09	Common	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:52 2022 Page 1  
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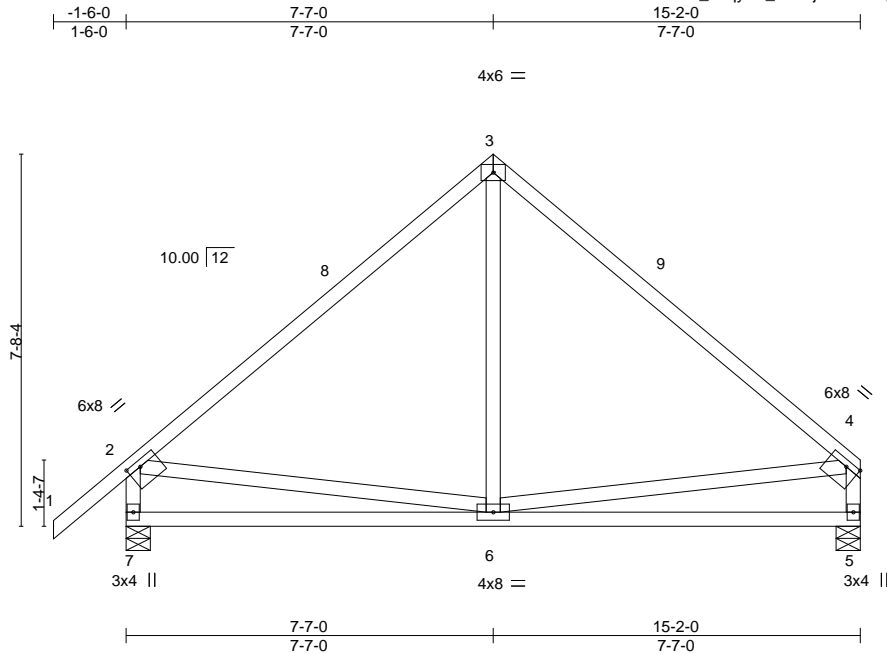


Plate Offsets (X,Y)-- [2:0-3-4,0-1-8], [4:0-3-4,0-1-8]												
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b>	<b>GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.11	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 90 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

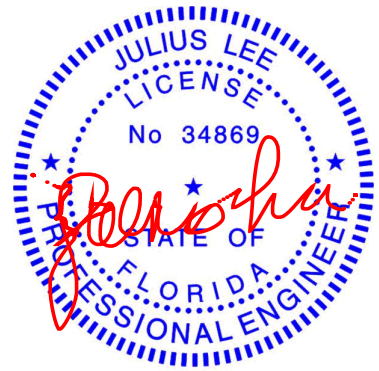
(size) 7=0-6-0, 5=0-6-0  
Max Horz 7=173(LC 11)  
Max Uplift 7=41(LC 12)  
Max Grav 7=699(LC 1), 5=590(LC 1)

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

TOP CHORD 2-3=-587/92, 3-4=-580/89, 2-7=-630/134, 4-5=-520/81  
BOT CHORD 6-7=-159/364  
WEBS 3-6=0/293

#### NOTES-

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

January 5, 2022

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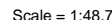
**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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Tampa, FL 33610

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:52 2022 Page 1  
ID:FkMa410i7OeiPvfO?Q 7uqv4V T-1o1iRCs98QfEEB?6fAks1H8N4Cd?1vJ5AgeBgzvZf

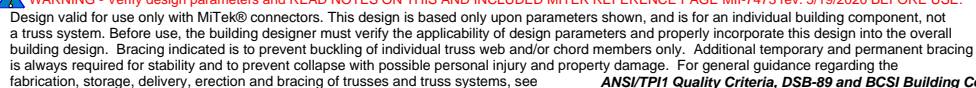


TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.

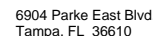
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat II; Exp B; Encl.; GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-7-0, Exterior(2R) 7-7-0 to 10-7-0, Interior(1) 10-7-0 to 15-0-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7.
- 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.



January 5, 2022



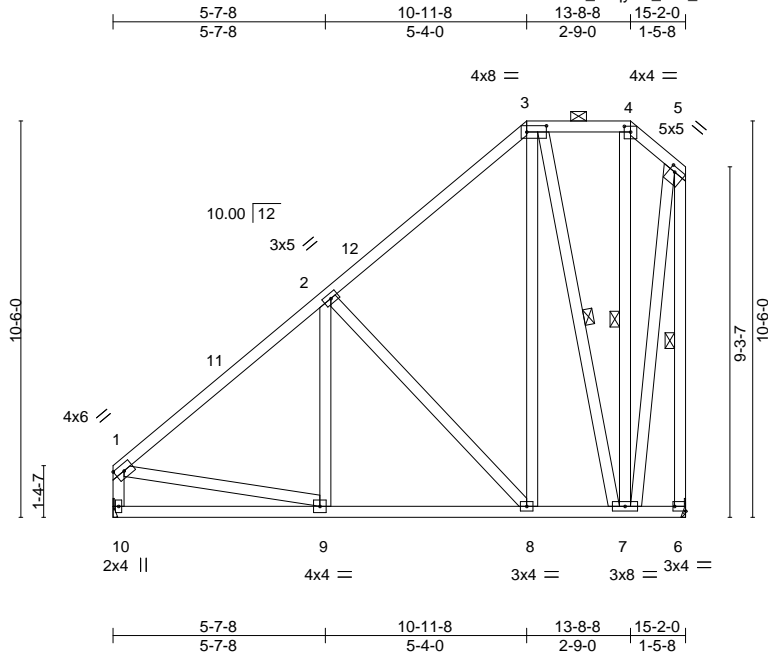
**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436725
GONZALEZ	H11	PIGGYBACK BASE	5	1		

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:53 2022 Page 1  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-E\_b6fXsnvknXsOmBgMhzPFqLpUZpkQZTJqZBjGzylZe



Scale = 1:61.0

Plate Offsets (X,Y)-- [3:0-6-4,0-2-0], [4:0-2-0,0-1-13], [5:0-1-12,0-1-8], [6:Edge,0-1-8]												
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d			<b>PLATES</b>	<b>GRIP</b>		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.05	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 151 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 10=Mechanical, 6=Mechanical  
Max Horz 10=294(LC 11)  
Max Uplift 6=49(LC 9)  
Max Grav 10=595(LC 1), 6=596(LC 17)

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

TOP CHORD 1-2=-615/64, 2-3=-363/140, 4-5=-282/248, 1-10=-543/52, 5-6=-559/138  
BOT CHORD 9-10=-415/369, 8-9=-255/460, 7-8=-155/256  
WEBS 2-8=-356/146, 3-8=-60/353, 3-7=-477/191, 1-9=0/323, 5-7=-196/483

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-11-8, Exterior(2E) 10-11-8 to 15-0-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 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:

January 5,2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



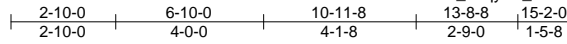
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436726
GONZALEZ	H12	PIGGYBACK BASE	1	1		

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:54 2022 Page 1

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Scale = 1:62.3

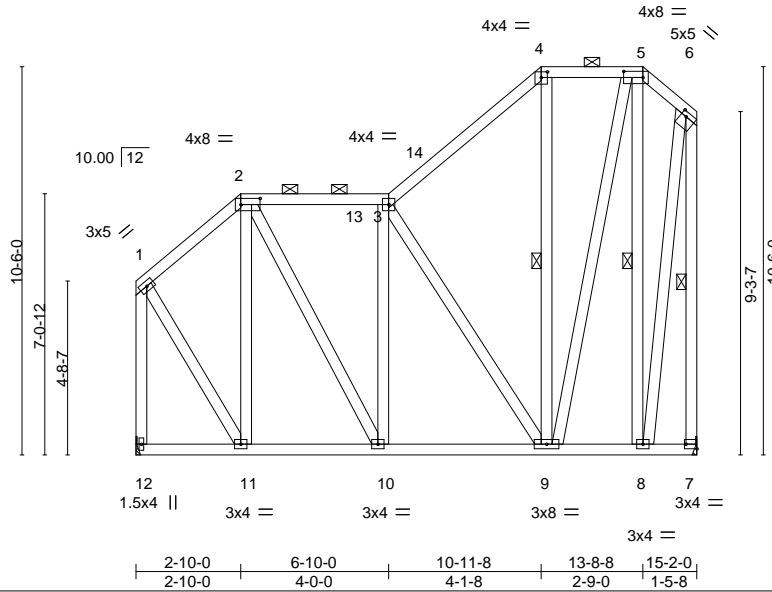


Plate Offsets (X,Y)--		[2:0-6-4,0-2-0], [4:0-2-0,0-1-13], [5:0-6-4,0-2-0], [6:0-1-12,0-1-8], [7:Edge,0-1-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.25		TC 0.40		Vert(LL)	-0.01 9	>999	240	MT20	244/190
TCDL 10.0		Lumber DOL 1.25		BC 0.25		Vert(CT)	-0.04 9-10	>999	180		
BCLL 0.0 *		Rep Stress Incr YES		WB 0.36		Horz(CT)	0.01 7	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-AS						Weight: 177 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

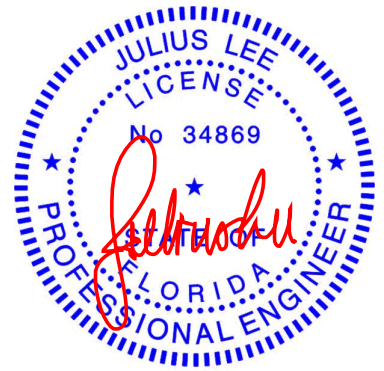
(size) 12=Mechanical, 7=Mechanical  
Max Horz 12=287(LC 11)  
Max Uplift 7=54(LC 9)  
Max Grav 12=595(LC 1), 7=595(LC 1)

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

TOP CHORD 1-2=-319/71, 2-3=-334/80, 3-4=-334/139, 5-6=-292/249, 1-12=-569/77, 6-7=-559/134  
BOT CHORD 11-12=-369/322, 10-11=-295/398, 9-10=-228/431  
WEBS 2-11=-268/95, 2-10=-52/301, 3-9=-325/141, 5-9=-184/461, 5-8=-550/295, 1-11=-54/391, 6-8=-190/472

#### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 2-10-0, Exterior(2R) 2-10-0 to 5-10-0, Interior(1) 5-10-0 to 10-11-8, Exterior(2E) 10-11-8 to 15-0-4 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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MiTek USA, Inc. FL Cert 6634  
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Date:

January 5,2022

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Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436727
GONZALEZ	H12GE	Common Supported Gable	1	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:55 2022 Page 1

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Scale = 1:41.6

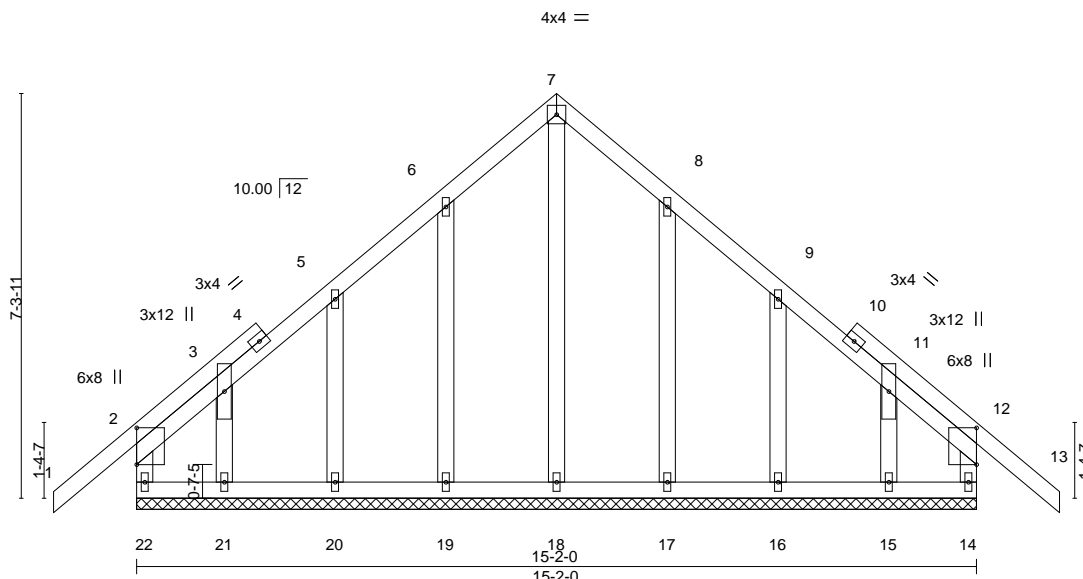


Plate Offsets (X,Y)--		[2:0-7-15,0-0-0], [12:0-7-15,0-0-0]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.17		Vert(LL)	-0.01 13	n/r	120	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.06		Vert(CT)	-0.01 13	n/r	120		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.21		Horz(CT)	-0.00 14	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-R						Weight: 110 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, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS.

All bearings 15-2-0.  
(lb) - Max Horz 22=-169(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 22, 14, 19, 20, 21, 17, 16, 15  
Max Grav All reactions 250 lb or less at joint(s) 22, 14, 18, 19, 20, 21, 17, 16, 15

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-6-8, Exterior(2N) 1-6-8 to 7-7-0, Corner(3R) 7-7-0 to 10-7-0, Exterior(2N) 10-7-0 to 16-8-0 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 14, 19, 20, 21, 17, 16, 15.



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

January 5,2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

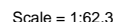


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Mayo, FL - 32066.

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:56 2022 Page 1

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**REACTIONS.** (size) 12=Mechanical, 7=Mechanical  
Max Horz 12=287(LC 11)  
Max Uplift 7=-53(LC 9)  
Max Grav 12=595(LC 1), 7=595(LC 1)

**NOTES-**

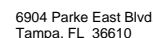
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl.; GCp=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 2-0-8, Exterior(2R) 2-0-8 to 5-0-8, Interior(1) 5-0-8 to 10-11-8, Exterior(2E) 10-11-8 to 15-0-4 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



January 5, 2022



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Job GONZALEZ	Truss H14	Truss Type Roof Special Girder	Qty 1	Ply 1	Gonzalez	T26436729
Mayo Truss Company, Inc., Mayo, FL - 32066,						8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:57 2022 Page 1
Job Reference (optional)						ID:FkMa410i7OeiPvIO?O_7uqy4V_T-6lrcUvvIzzHyK03zvCmvZ5_4j5?bgK12ESXPs1zylZa



1.5x4 ||

Scale = 1:29.6

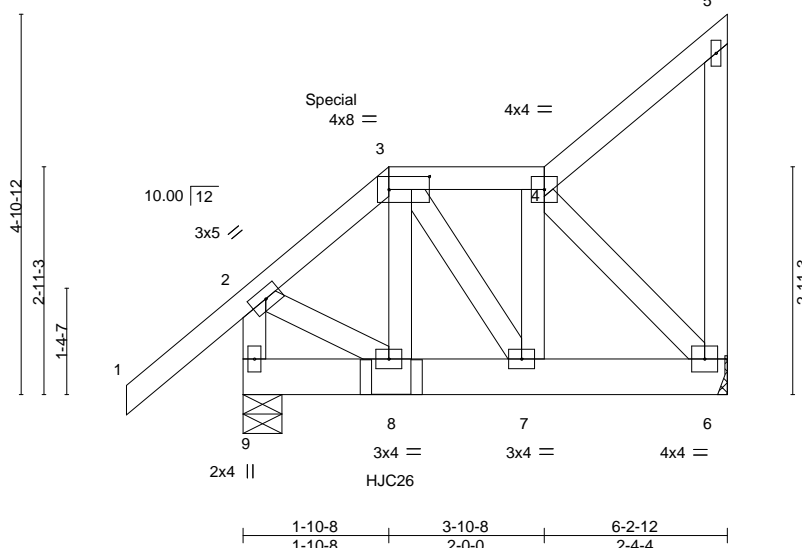


Plate Offsets (X,Y)--	[3:0-6-4,0-2-0]						
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.21	Vert(LL)	-0.00 8	>999	240
TCDL 10.0	Lumber DOL	1.25	BC 0.04	Vert(CT)	-0.00 8	>999	180
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.03	Horz(CT)	-0.00 6	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP				
				<b>PLATES</b>	<b>GRIP</b>		
				MT20	244/190		
				Weight: 54 lb		FT = 20%	

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 6=Mechanical, 9=0-6-0  
Max Horz 9=147(LC 7)  
Max Uplift 6=71(LC 5), 9=110(LC 8)  
Max Grav 6=244(LC 28), 9=339(LC 29)

#### FORCES.

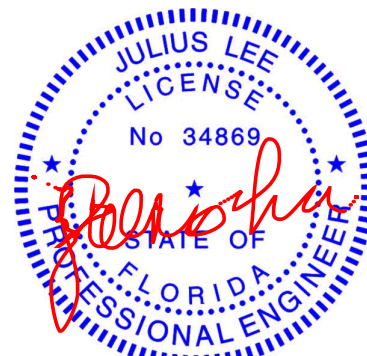
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-9=-320/115

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 9=110.
- 8) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 1-10-14 from the left end to connect truss(es) to front face of bottom chord.
- 9) Fill all nail holes where hanger is in contact with lumber.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 102 lb down and 163 lb up at 1-10-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S)

- Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 4-5=-60, 6-9=-20  
Concentrated Loads (lb)  
Vert: 3=37(F) 8=5(F)



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

January 5, 2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	H15	Roof Special	1	1	T26436730

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:12:58 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-ayP?iFwwkGPpy9e9TwH86iXFcVKuPmWCT6HyOUzylZZ

-1-6-0 3-10-8 5-10-8 6-2-12  
1-6-0 3-10-8 2-0-0 0-4-4

Scale = 1:30.0

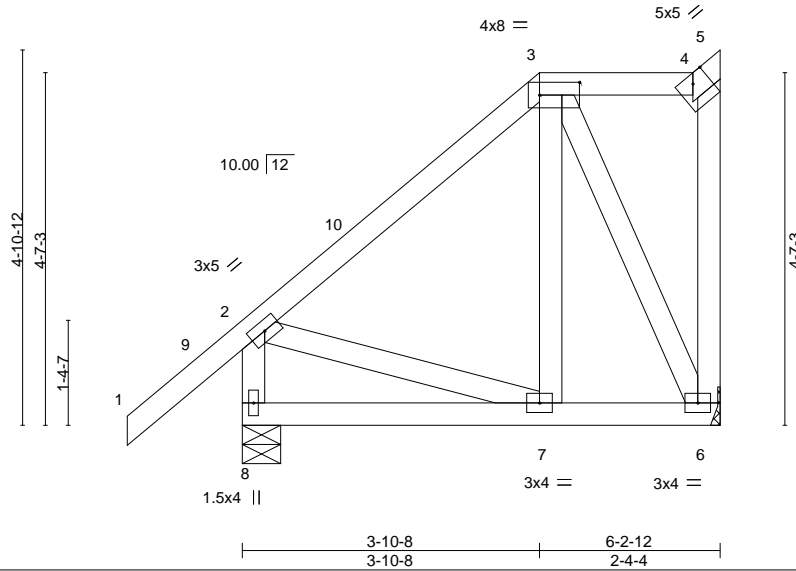


Plate Offsets (X,Y)--	[3:0-6-4,0-2-0]								
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.20	Vert(LL)	-0.01 7-8	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.10	Vert(CT)	-0.01 7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	-0.00 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 50 lb	FT = 20%

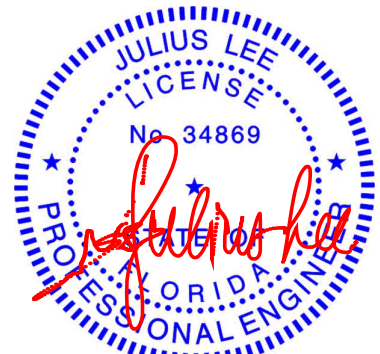
<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2	

**REACTIONS.** (size) 6=Mechanical, 8=0-6-0  
Max Horz 8=148(LC 9)  
Max Uplift 6=42(LC 9), 8=35(LC 12)  
Max Grav 6=231(LC 17), 8=350(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-8=-311/162  
BOT CHORD 7-8=-341/225

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



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

January 5,2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



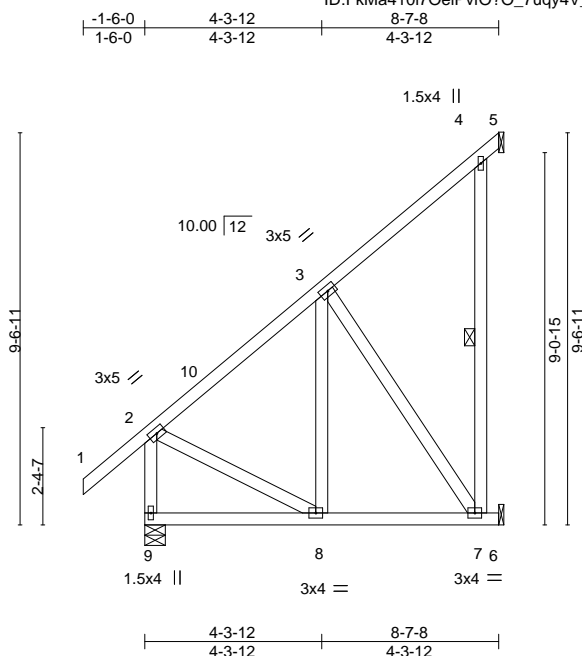
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	J01	Jack-Partial	2	1	T26436731
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:00 2022 Page 1

ID:FkMa410i7OeiPvIO?O\_7uqy4V\_T-WKWI7xyAGufXCtoXaLJcBjccFJzEteTVwQm3TMzylZX



Scale = 1:56.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.19	Vert(LL)	0.02 7-8	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.23	Vert(CT)	-0.03 7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.25	Horz(CT)	-0.01 5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 73 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

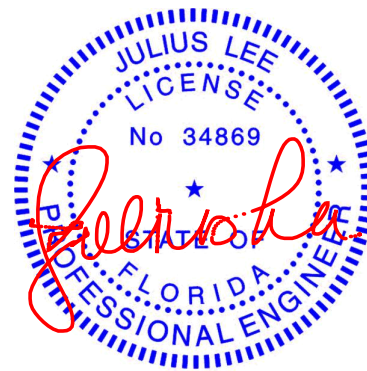
(size) 9=0-6-0, 5=Mechanical, 6=Mechanical  
Max Horz 9=261(LC 12)  
Max Uplift 5=-10(LC 12), 6=-113(LC 12)  
Max Grav 9=445(LC 1), 5=116(LC 3), 6=260(LC 17)

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

TOP CHORD 2-9=-417/0, 2-3=-269/0  
BOT CHORD 8-9=-353/172  
WEBS 3-7=-307/262

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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 8-6-12 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=113.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

January 5, 2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.  
Tampa, FL 33610

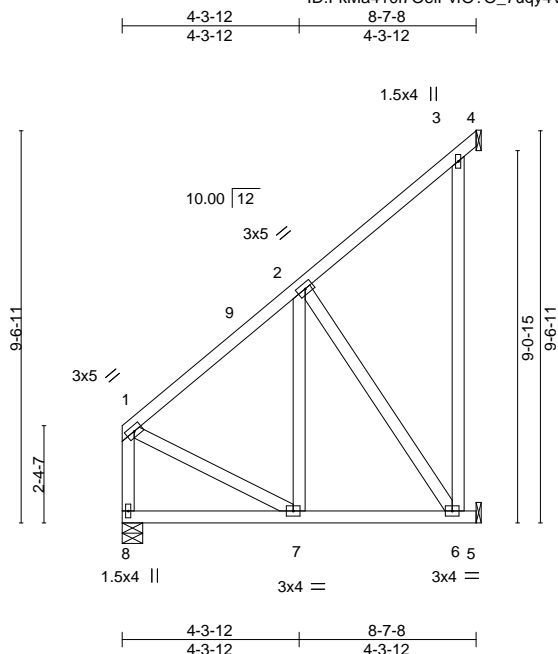


Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	J02	Jack-Partial	1	1	T26436732
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:00 2022 Page 1

ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-WKWI7xyAGufXCtoXaLJcBjcoJzHtdGVwQm3TMzylZX



Scale = 1:56.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.22	Vert(LL)	0.02 6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.23	Vert(CT)	-0.03 6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.26	Horz(CT)	-0.01 4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 70 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 8=0-6-0, 4=Mechanical, 5=Mechanical  
Max Horz 8=211(LC 12)  
Max Uplift 4=-17(LC 12), 5=-101(LC 12)  
Max Grav 8=337(LC 1), 4=122(LC 17), 5=254(LC 17)

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

TOP CHORD 1-8=-309/0, 1-2=-251/0  
BOT CHORD 7-8=-312/154  
WEBS 2-6=-324/261

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-6-12 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
- 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) 5=101.
- 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:

January 5, 2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	J03	Jack-Open	8	1	T26436733
Job Reference (optional)					

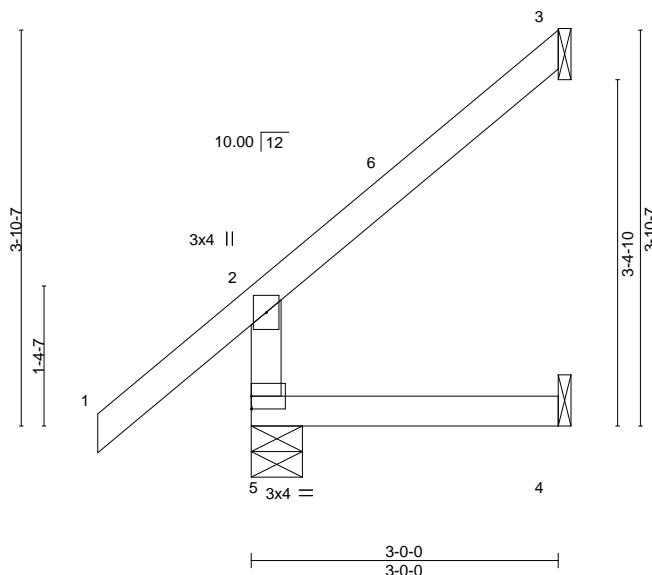
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:01 2022 Page 1

ID:FkMa410i7OeiPvIO?O\_7uqy4V\_T-?X47KGyp1BnOpdNk82qrjx9mFiJ8c8Ye94Vc?pzylZW

-1-6-0  
1-6-0  
3-0-0  
3-0-0

Scale = 1:22.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	0.01 4-5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.25	Vert(CT)	-0.01 4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.03 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-MR					Weight: 15 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

**REACTIONS.** (size) 5=0-6-0, 3=Mechanical, 4=Mechanical  
Max Horz 5=129(LC 12)  
Max Uplift 3=42(LC 12), 4=6(LC 12)  
Max Grav 5=240(LC 1), 3=73(LC 17), 4=51(LC 3)

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

#### NOTES-

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



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

January 5, 2022

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**ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component**



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Tampa, FL 33610

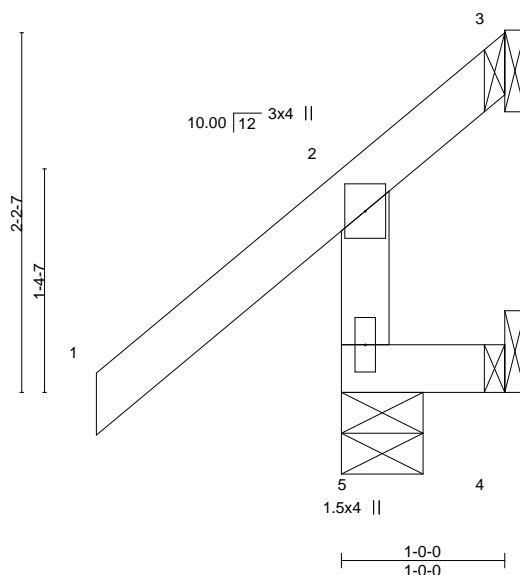
Job GONZALEZ	Truss J04	Truss Type Jack-Open	Qty 7	Ply 1	Gonzalez T26436734
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:02 2022 Page 1  
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-1-6-0 1-6-0 1-0-0 1-0-0

Scale = 1:14.1



LOADING (psf)	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)	-0.00 5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	0.00 5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MR					Weight: 8 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

**REACTIONS.** (size) 5=0-6-0, 3=Mechanical, 4=Mechanical  
Max Horz 5=90(LC 12)  
Max Uplift 5=-7(LC 12), 3=-51(LC 1), 4=-37(LC 12)  
Max Grav 5=229(LC 1), 3=10(LC 8), 4=22(LC 10)

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

#### NOTES-

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



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

January 5, 2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	J05	Jack-Partial	2	1	T26436735
Job Reference (optional)					

Mayo Truss Company, Inc.,

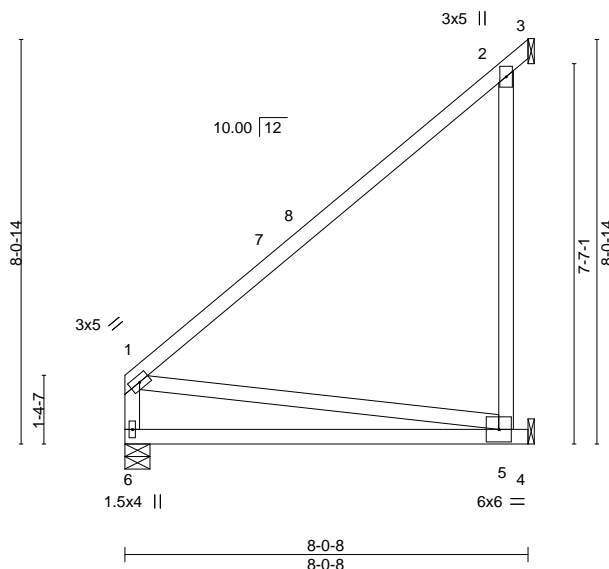
Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:02 2022 Page 1

ID:FkMa410i7OeiPvIO?O\_7uqy4V\_T-TjeVXczRoVwFRnywilM4G8hoF6YQLW2nOjFAXFzylZV

4-0-4 8-0-8  
4-0-4 4-0-4

Scale = 1:46.0



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 0.80	Vert(LL)	0.17 5-6	>562	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.70	Vert(CT)	-0.37 5-6	>254	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.37	Horz(CT)	-0.01 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						
									Weight: 51 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) 6=0-6-0, 3=Mechanical, 4=Mechanical  
Max Horz 6=179(LC 12)  
Max Uplift 3=121(LC 17), 4=351(LC 12)  
Max Grav 6=313(LC 1), 3=314(LC 3), 4=462(LC 17)

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

TOP CHORD 2-3=-89/256  
BOT CHORD 5-6=-288/135  
WEBS 2-5=-393/678, 1-5=-136/291

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 7-11-12 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=121, 4=351.
- 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:

January 5,2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	J06	Jack-Open	2	1	T26436736
Job Reference (optional)					

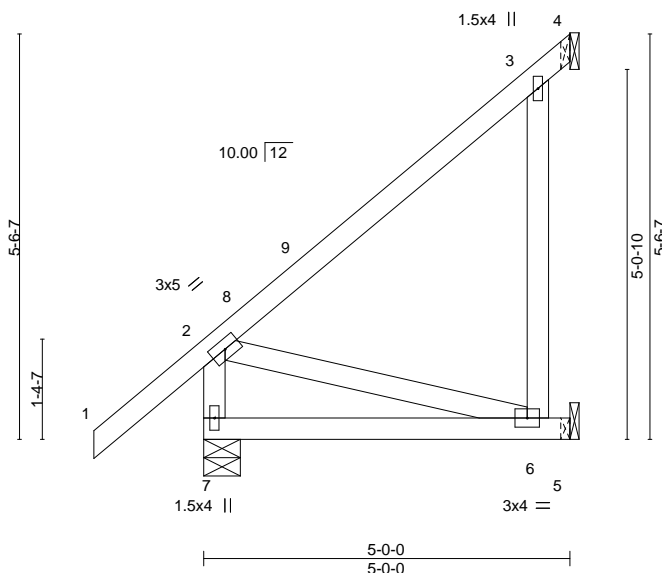
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:03 2022 Page 1

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Scale = 1:31.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	0.03 6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.24	Vert(CT)	-0.05 6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	-0.01 4	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-AS					Weight: 35 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 7=0-6-0, 4=Mechanical, 5=Mechanical  
Max Horz 7=169(LC 12)  
Max Uplift 5=101(LC 12)  
Max Grav 7=307(LC 1), 4=128(LC 3), 5=179(LC 17)

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

TOP CHORD 2-7=-251/46  
BOT CHORD 6-7=-280/124  
WEBS 3-6=-158/302, 2-6=-129/289

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=101.
- 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:

January 5, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



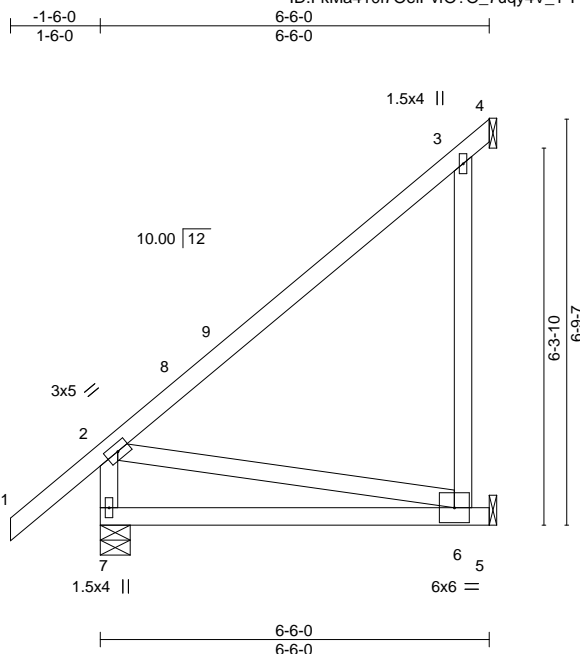
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436737
GONZALEZ	J07	Jack-Open	2	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:04 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-P6mGyl?hK6Azg46JpAOYLZnDAwl1pS?4r1kGc7zylZT



Scale = 1:38.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.45	Vert(LL)	0.08 6-7	>942	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.43	Vert(CT)	-0.15 6-7	>491	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.15	Horz(CT)	-0.01 4	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-AS					Weight: 44 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

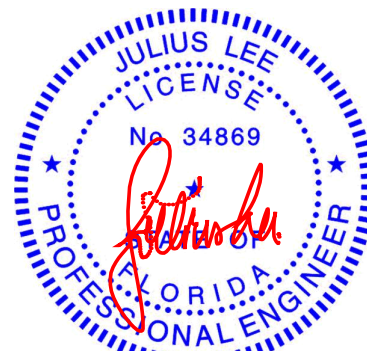
(size) 7=0-6-0, 4=Mechanical, 5=Mechanical  
Max Horz 7=199(LC 12)  
Max Uplift 4=-28(LC 17), 5=-194(LC 12)  
Max Grav 7=363(LC 1), 4=210(LC 3), 5=293(LC 17)

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

TOP CHORD 2-7=-288/32  
BOT CHORD 6-7=-310/142  
WEBS 3-6=-233/478, 2-6=-144/316

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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 6-5-4 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) 4 except (jt=lb) 5=194.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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6904 Parke East Blvd. Tampa FL 33610  
Date:

January 5, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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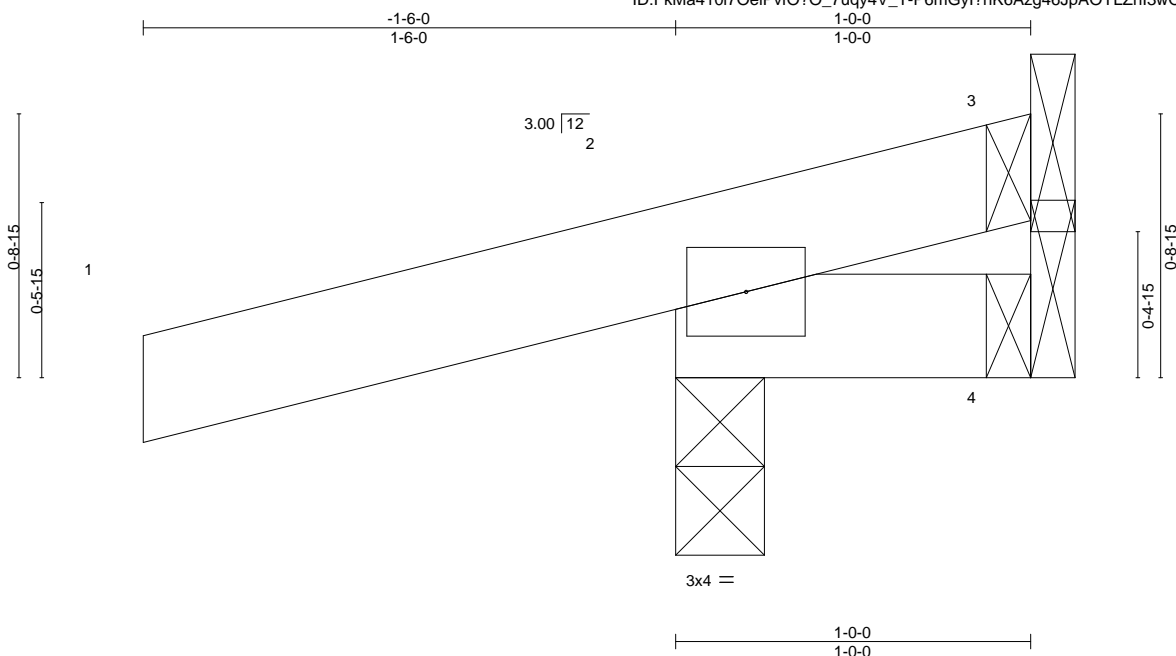
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436738
GONZALEZ	J08	Jack-Open	4	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:04 2022 Page 1

ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-P6mGyl?hK6Azg46JpAOYLZnl3wOJpUI4r1kGc7zylZT



LOADING (psf)	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 0.03	Vert(CT)	0.00 7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 2	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 5 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.

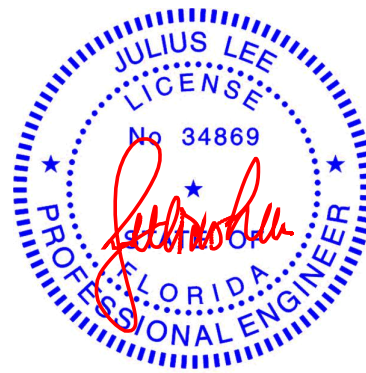
#### REACTIONS.

(size) 3=Mechanical, 2=0-3-0, 4=Mechanical  
Max Horz 2=20(LC 12)  
Max Uplift 3=9(LC 1), 2=63(LC 12), 4=20(LC 1)  
Max Grav 3=10(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; 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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6904 Parke East Blvd. Tampa FL 33610  
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January 5, 2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



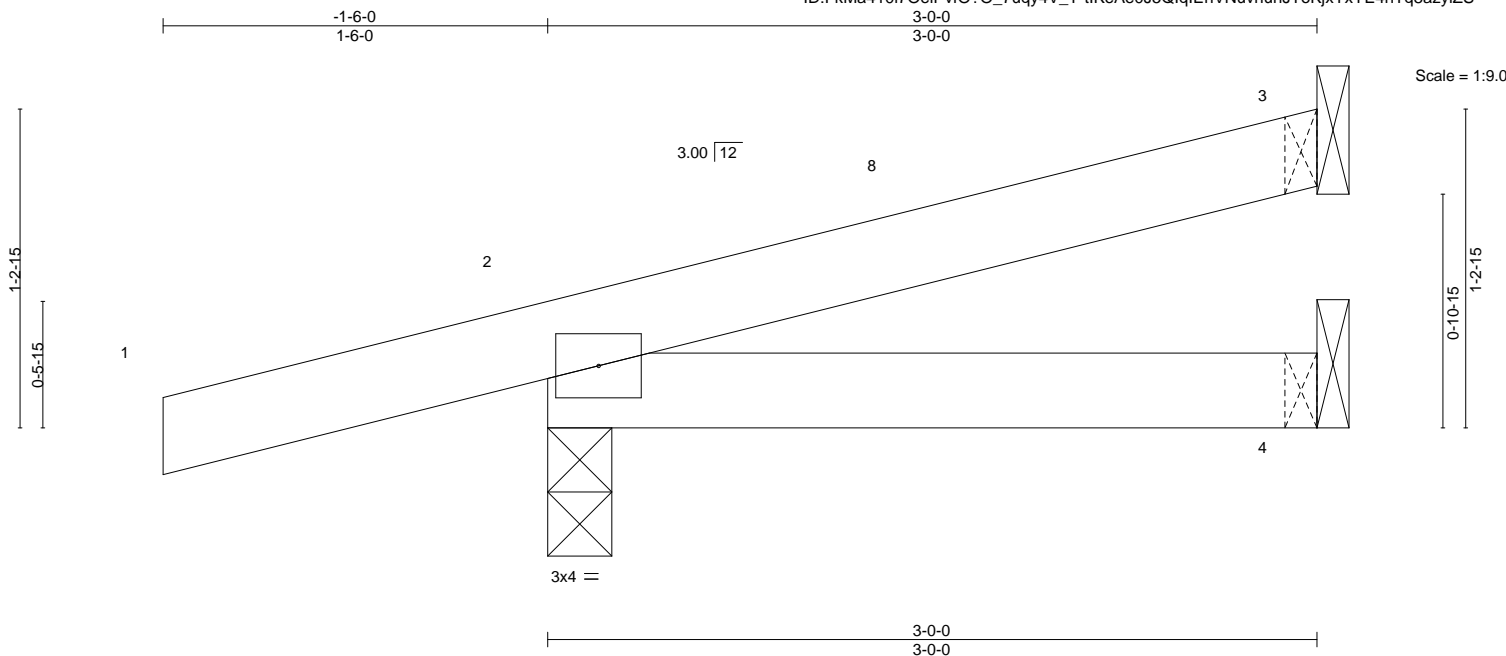
6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436739
GONZALEZ	J09	Jack-Open	4	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:05 2022 Page 1  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-tlKeAe0J5QlqIEhVNuvnunJTOKjYxYE4hTq8azylZS



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						Weight: 11 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

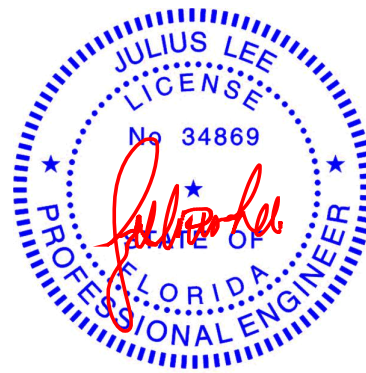
#### REACTIONS.

(size) 3=Mechanical, 2=0-3-0, 4=Mechanical  
Max Horz 2=31(LC 12)  
Max Uplift 3=9(LC 12), 2=43(LC 12)  
Max Grav 3=67(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; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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Date:

January 5, 2022

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6904 Parke East Blvd.  
Tampa, FL 33610

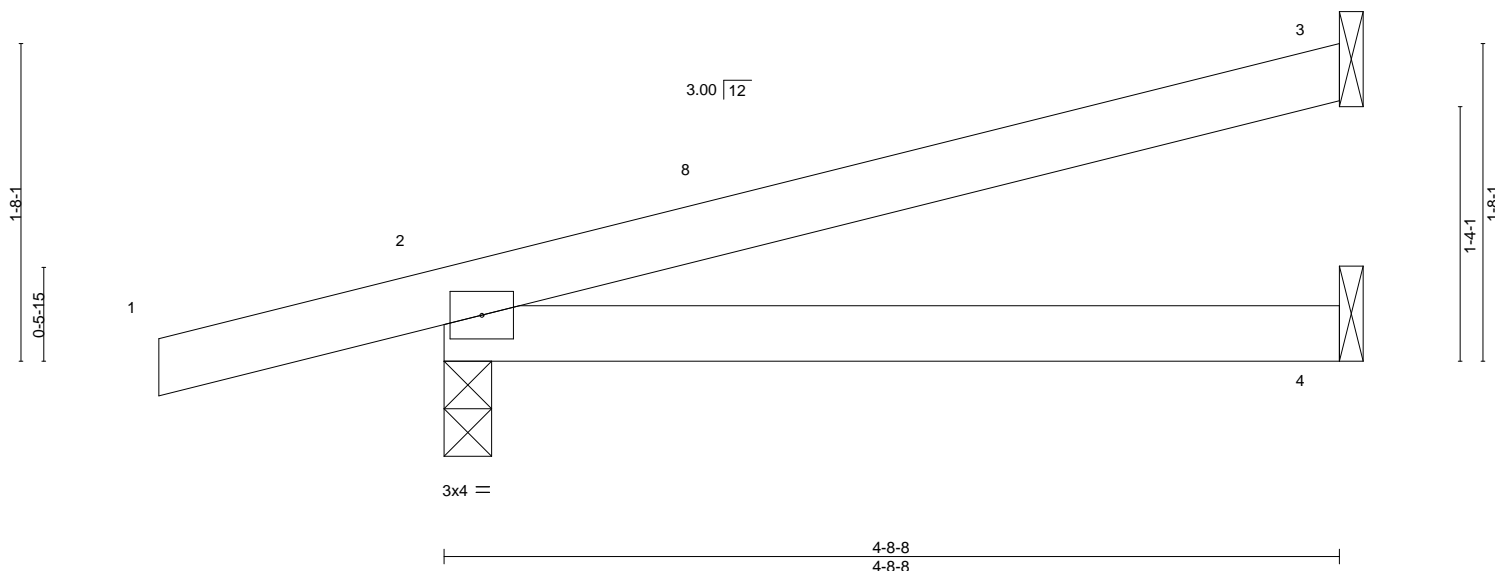
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436740
GONZALEZ	J10	Jack-Open	6	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:05 2022 Page 1  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-tlKeAe0J5QlqlEhVNUvnunJS1KhoYxYE4hTq8azylZS

-1-6-0  
1-6-0  
4-8-8  
4-8-8

Scale: 1"=1'



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.25	Vert(LL)	-0.02 4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.21	Vert(CT)	-0.04 4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 17 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 3=Mechanical, 2=0-3-0, 4=Mechanical  
Max Horz 2=42(LC 12)  
Max Uplift 3=-20(LC 12), 2=-38(LC 12)  
Max Grav 3=119(LC 1), 2=290(LC 1), 4=82(LC 3)

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

#### NOTES-

- 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 4-7-12 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
- 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:

January 5,2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



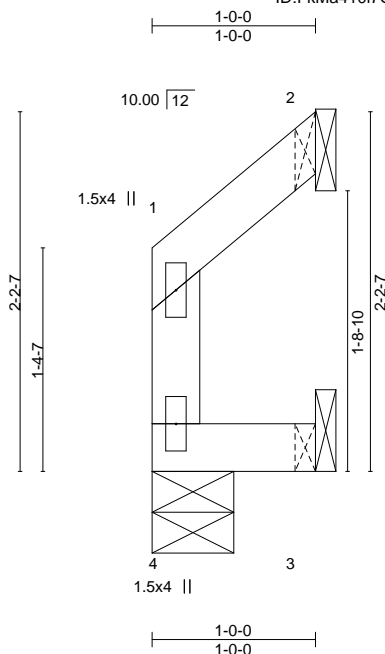
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436741
GONZALEZ	J11	Jack-Open	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:06 2022 Page 1

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Scale = 1:14.1

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.07	Vert(LL)	-0.00	4	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.00	4	>999	180	244/190
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-MR						
								Weight: 5 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 4=0-6-0, 2=Mechanical, 3=Mechanical  
Max Horz 4=39(LC 12)  
Max Uplift 4=-10(LC 10), 2=-28(LC 12), 3=-18(LC 12)  
Max Grav 4=46(LC 12), 2=35(LC 17), 3=26(LC 10)

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

#### NOTES-

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



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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



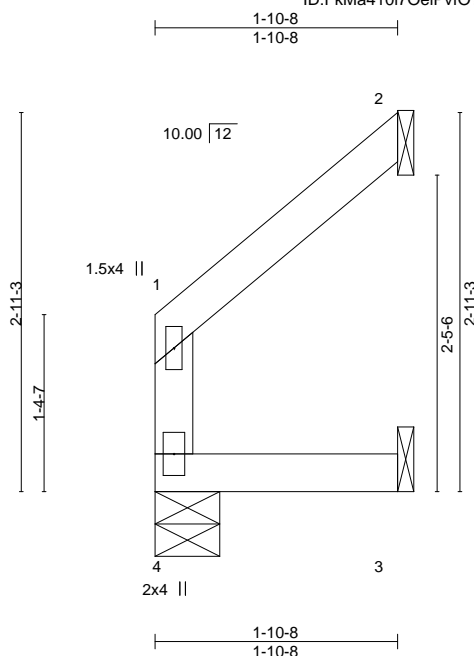
6904 Parke East Blvd.  
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Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436742
GONZALEZ	J12	Jack-Open	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:07 2022 Page 1

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Scale = 1:17.8

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.12	Vert(LL)	-0.00	4	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.13	Vert(CT)	-0.00	3-4	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.01	2	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MR						
								Weight: 8 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-10-8 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 4=0-6-0, 2=Mechanical, 3=Mechanical  
Max Horz 4=57(LC 12)  
Max Uplift 2=-36(LC 12), 3=-9(LC 12)  
Max Grav 4=69(LC 1), 2=59(LC 17), 3=34(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; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.



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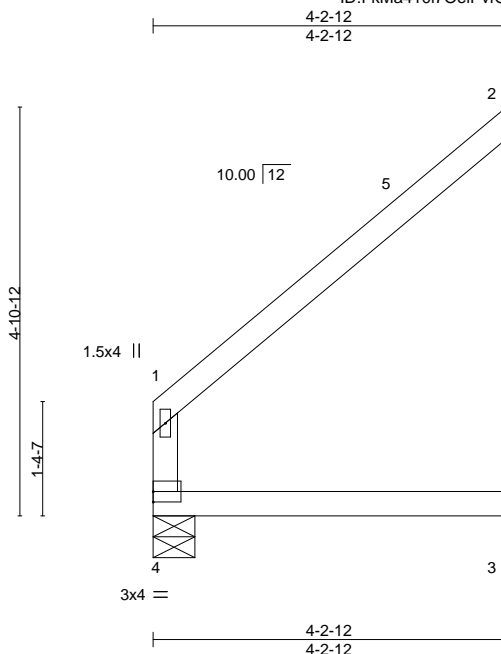
6904 Parke East Blvd.  
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Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436743
GONZALEZ	J13	Jack-Open	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:07 2022 Page 1

ID:FkMa410i7OeiPvIO?O\_7uqy4V\_T-phRObK1ac1YYXYquUJxZCPm67KI0r1XX?yxDSzylZQ



Scale = 1:27.6

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.34	Vert(LL)	0.03 3-4	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.37	Vert(CT)	-0.03 3-4	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.06 2	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-AS					Weight: 16 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.

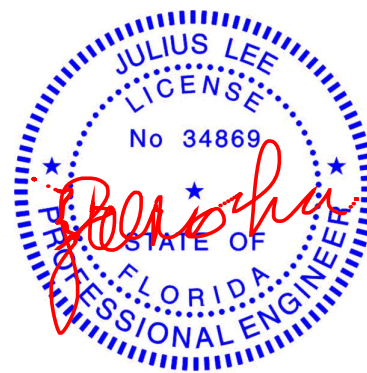
#### REACTIONS.

(size) 4=0-6-0, 2=Mechanical, 3=Mechanical  
Max Horz 4=103(LC 12)  
Max Uplift 2=63(LC 12)  
Max Grav 4=161(LC 1), 2=127(LC 17), 3=77(LC 3)

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

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-2-0 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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January 5, 2022

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6904 Parke East Blvd.  
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Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436744
GONZALEZ	J14	Jack-Open	1	1	Job Reference (optional)	

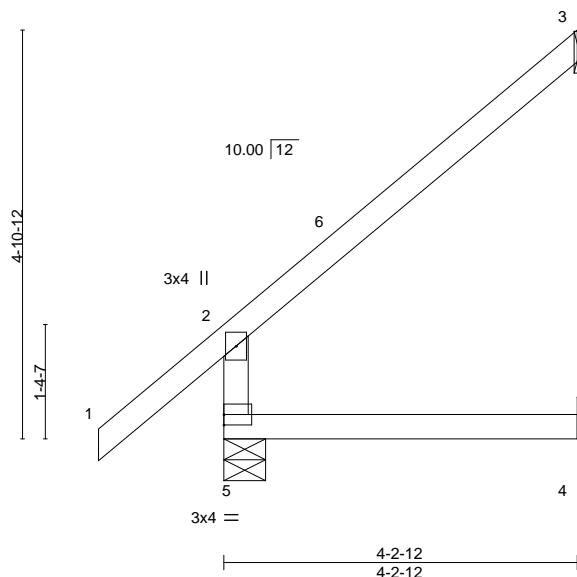
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:08 2022 Page 1

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Scale = 1:27.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.33	Vert(LL)	0.03 4-5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.38	Vert(CT)	-0.03 4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.06 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-AS					Weight: 19 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 5=0-6-0, 3=Mechanical, 4=Mechanical  
Max Horz 5=153(LC 12)  
Max Uplift 3=-59(LC 12)  
Max Grav 5=280(LC 1), 3=115(LC 17), 4=75(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 4-2-0 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
- 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 bearing connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436745
GONZALEZ	J15	Jack-Open	2	1	Job Reference (optional)	

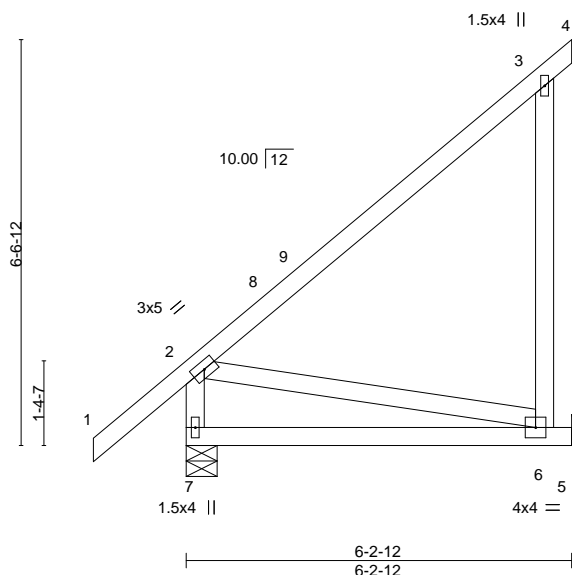
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:09 2022 Page 1

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Scale = 1:37.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	-0.08 6-7	>916	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.49	Vert(CT)	-0.17 6-7	>426	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	-0.00 5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 42 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 7=0-6-0, 5=Mechanical  
Max Horz 7=199(LC 12)  
Max Uplift 5=86(LC 12)  
Max Grav 7=353(LC 1), 5=255(LC 17)

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

TOP CHORD 2-7=-282/35  
BOT CHORD 6-7=-306/139  
WEBS 2-6=-142/313

#### 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 6-2-12 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- 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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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



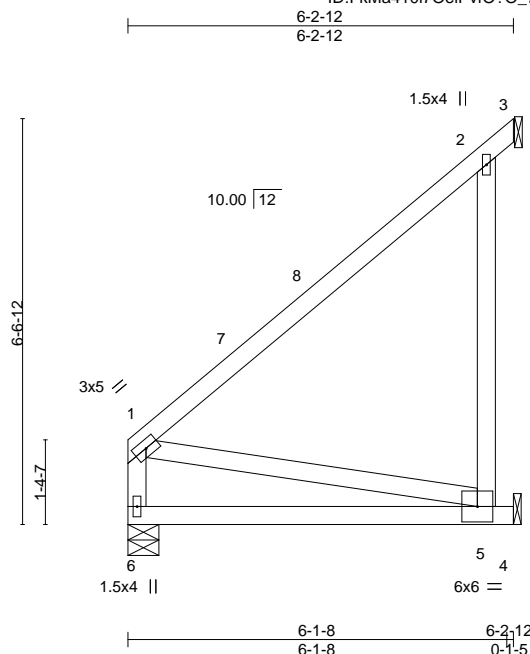
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436746
GONZALEZ	J16	Jack-Open	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:09 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-m3Z9?03q8eoFns\_Gcj\_j2dU3Yx?hUj4p?JR1HLzylZO



Scale = 1:37.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.47	Vert(LL)	0.08 5-6	>943	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.40	Vert(CT)	-0.13 5-6	>544	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.16	Horz(CT)	-0.01 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 40 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 6=0-6-0, 3=Mechanical, 4=Mechanical  
Max Horz 6=143(LC 12)  
Max Uplift 3=-57(LC 17), 4=-214(LC 12)  
Max Grav 6=241(LC 1), 3=180(LC 3), 4=322(LC 17)

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

BOT CHORD 5-6=-259/118  
WEBS 2-5=-268/496, 1-5=-120/265

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-2-0 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 4=214.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

January 5, 2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



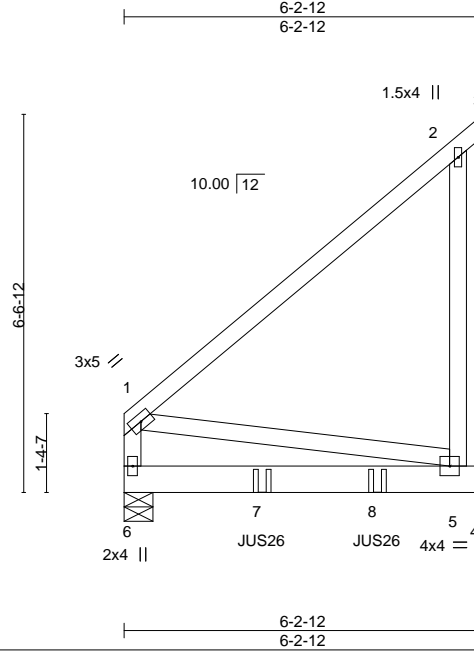
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	J17	Jack-Open Girder	1	2	T26436747

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:10 2022 Page 1

ID:FkMa410i7OeiPvfo?O\_7uqy4V\_T-EF7XDL3Svyw6O?ZSARVybq1GHLJwDCOzEzBbpnzylZN



Scale = 1:40.0

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35	Vert(LL)	-0.05 5-6	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.53	Vert(CT)	-0.10 5-6	>696	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.03	Horz(CT)	-0.00 4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 89 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

**REACTIONS.** (size) 6=0-6-0, 4=Mechanical  
Max Horz 6=147(LC 8)  
Max Grav 6=598(LC 1), 4=664(LC 1)

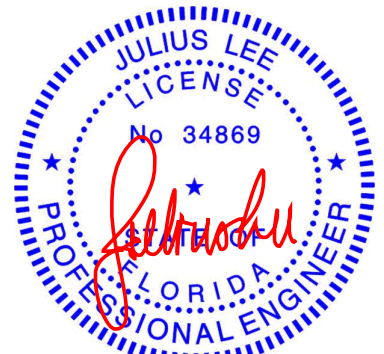
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 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.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-4-12 from the left end to 4-4-12 to connect truss(es) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

#### LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-3=-60, 4-6=-20  
Concentrated Loads (lb)  
Vert: 7=-388(B) 8=-388(B)



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

January 5, 2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

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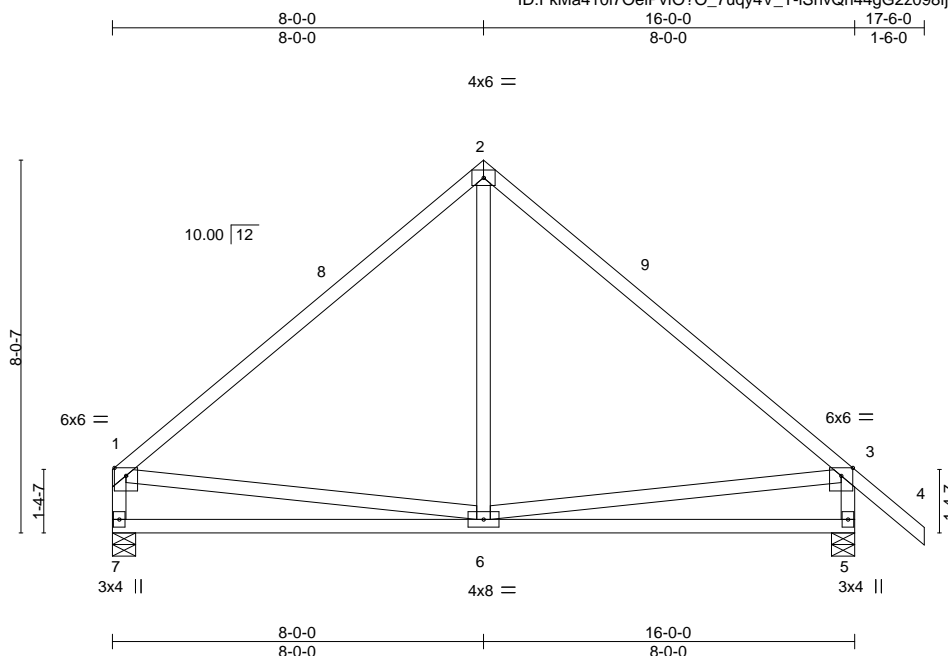
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436748
GONZALEZ	K01	Common	4	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:11 2022 Page 1  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-iShvQh44gG2z098f80B72ZNJkLye36Sdw8MDzylZM



Scale = 1:49.7

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.58	Vert(LL)	-0.07	5-6	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.14	5-6	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Horz(CT)	0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-AS						Weight: 95 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 7=0-6-0, 5=0-6-0  
Max Horz 7=-180(LC 10)  
Max Uplift 5=-41(LC 12)  
Max Grav 7=623(LC 1), 5=732(LC 1)

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

TOP CHORD 1-2=-617/85, 2-3=-625/88, 1-7=-550/75, 3-5=-659/126  
BOT CHORD 6-7=-102/391, 5-6=-70/280  
WEBS 2-6=0/313

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 17-6-0 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

January 5, 2022

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6904 Parke East Blvd.  
Tampa, FL 33610

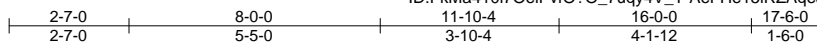
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436749
GONZALEZ	K02	Common	2	1		

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

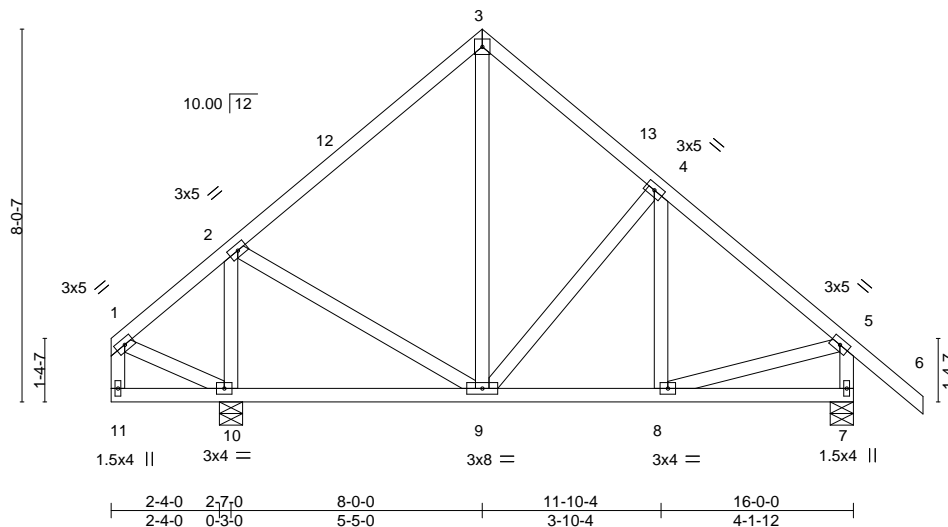
8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:12 2022 Page 1

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4x4 =

Scale = 1:49.7



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.27	Vert(LL)	-0.02	9-10	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.20	Vert(CT)	-0.04	9-10	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.12	Horz(CT)	0.00	7	n/a	n/a	
BCDL 10.0	Code FBC2020/TP12014		Matrix-AS						
								Weight: 109 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 7=0-6-0, 10=0-6-0  
Max Horz 10=-180(LC 10)  
Max Uplift 7=-37(LC 12), 10=-45(LC 12)  
Max Grav 7=618(LC 1), 10=738(LC 1)

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

TOP CHORD 2-3=-389/88, 3-4=-350/101, 4-5=-499/51, 5-7=-577/95  
BOT CHORD 8-9=0/323  
WEBS 2-10=-633/137, 2-9=0/292, 5-8=0/307

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 17-6-0 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 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.



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

January 5, 2022

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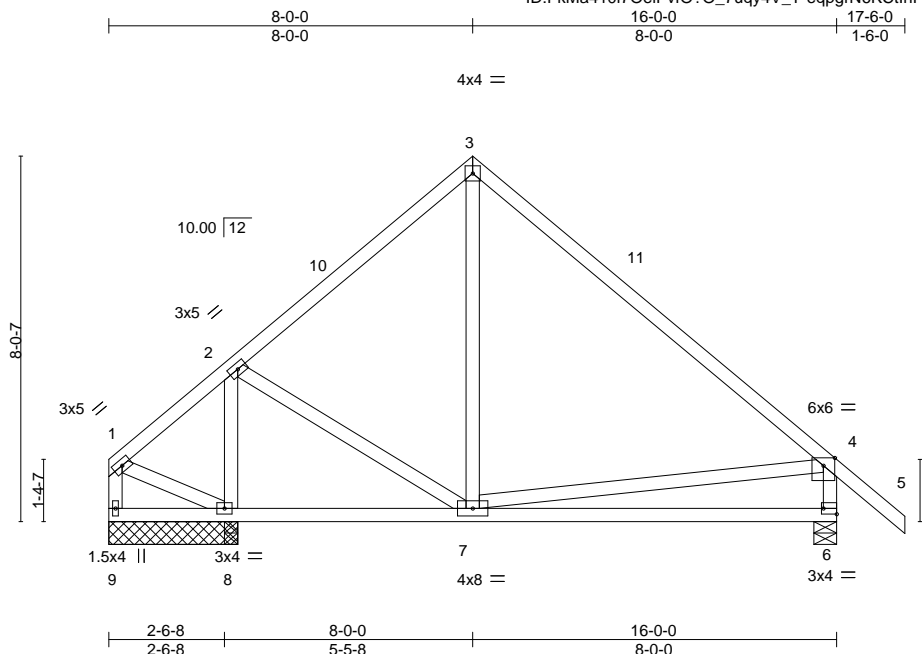
6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436750
GONZALEZ	K03	Common	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:13 2022 Page 1  
ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-eqpgnN6KCtHFT1rZ2fCTfkfYLGQXjPwxPFQ6zylZK



Scale = 1:50.7

Plate Offsets (X,Y)-- [6:Edge,0-1-8]									
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.53	Vert(LL)	-0.09 6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.46	Vert(CT)	-0.18 6-7	>877	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.18	Horz(CT)	0.00 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 100 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.

All bearings 2-10-0 except (jt=length) 6=0-6-0.  
(lb) - Max Horz 9=180(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) 9 except 6=639(LC 1), 8=591(LC 17), 8=579(LC 1)

#### FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-422/103, 3-4=-491/82, 4-6=-560/125  
BOT CHORD 6-7=-75/306  
WEBS 2-8=-535/65

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 17-6-0 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 6.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

January 5, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436751
GONZALEZ	K04	Common Supported Gable	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:13 2022 Page 1  
ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-egpgrN6KctihFT1rZ2fCTfqGYRpQWmPwxPFQ6zylZK

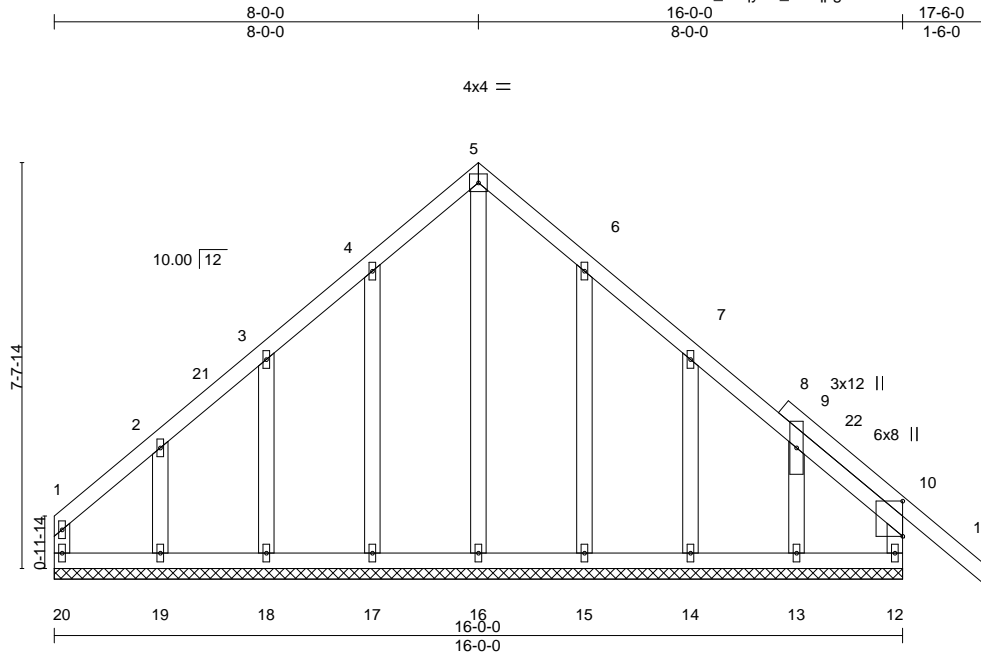


Plate Offsets (X,Y)-- [10:0-7-15,0-0-0]													
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b>		<b>GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.01	11	n/r	120	MT20	244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	11	n/r	120			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.00	12	n/a	n/a			
BCDL	10.0	Code FBC2020/TPI2014		Matrix-R							Weight: 109 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, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS.

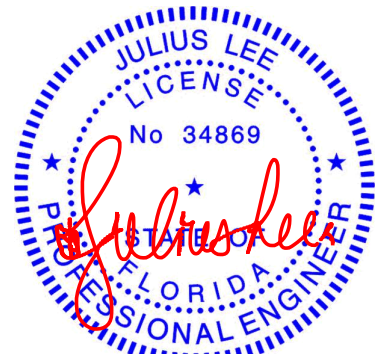
All bearings 16-0-0.  
(lb) - Max Horz 20=-166(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 20, 12, 17, 18, 19, 15, 14, 13  
Max Grav All reactions 250 lb or less at joint(s) 20, 12, 16, 17, 18, 19, 15, 14, 13

#### FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 4-5=-132/254, 5-6=-132/254  
WEBS 5-16=-261/78

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 0-1-12 to 3-1-12, Exterior(2N) 3-1-12 to 8-0-0, Corner(3R) 8-0-0 to 11-0-0, Exterior(2N) 11-0-0 to 17-6-0 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 12, 17, 18, 19, 15, 14, 13.



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

January 5, 2022

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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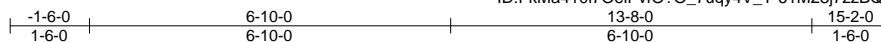
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436752
GONZALEZ	L01	Common	3	1		

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:14 2022 Page 1

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4x4 =

Scale = 1:43.6

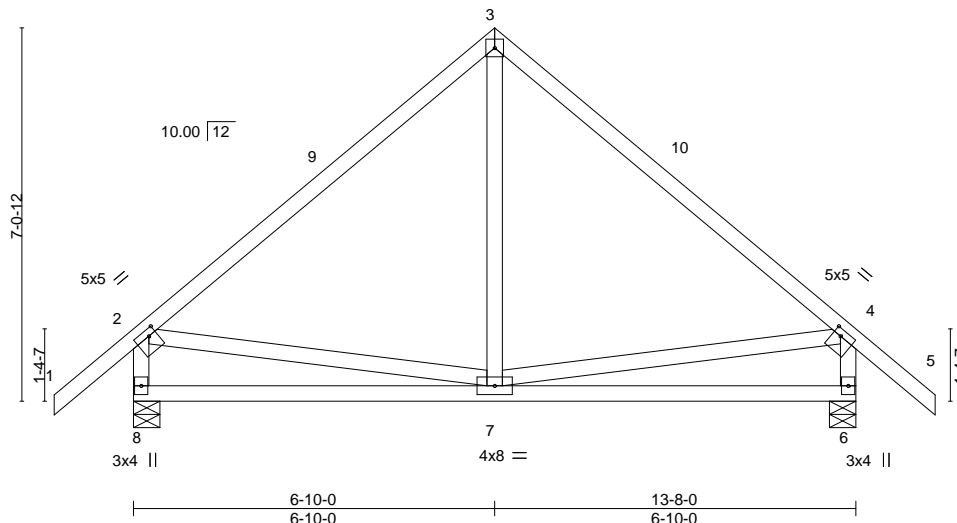


Plate Offsets (X,Y)--		[2:0-1-12,0-1-8], [4:0-1-12,0-1-8]							
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES</b> <b>GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.04 7-8 >999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.07 7-8 >999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00 6 n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 85 lb FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

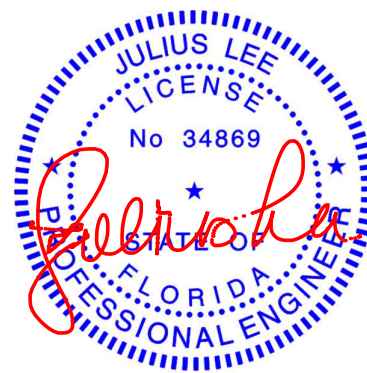
(size) 8=0-6-0, 6=0-6-0  
Max Horz 8=171(LC 11)  
Max Uplift 8=-40(LC 12), 6=-40(LC 12)  
Max Grav 8=634(LC 1), 6=634(LC 1)

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

TOP CHORD 2-3=-511/98, 3-4=-511/98, 2-8=-571/146, 4-6=-571/146  
BOT CHORD 7-8=-114/310  
WEBS 3-7=0/257

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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 6-10-0, Exterior(2R) 6-10-0 to 9-10-0, Interior(1) 9-10-0 to 15-2-0 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

January 5, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



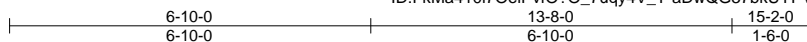
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436753
GONZALEZ	L02	Common	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:15 2022 Page 1

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4x4 =

Scale = 1:43.6

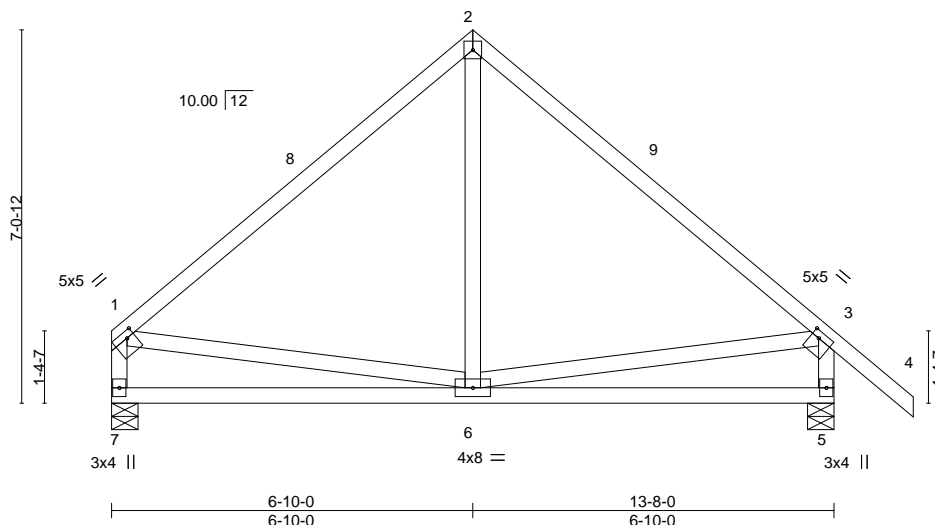


Plate Offsets (X,Y)--		[1:0-1-12,0-1-8], [3:0-1-12,0-1-8]	
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42
TCDL 10.0	Lumber DOL	1.25	BC 0.37
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-AS
			<b>DEFL.</b>
			in (loc) l/defl L/d
			Vert(LL) -0.04 6-7 >999 240
			Vert(CT) -0.07 5-6 >999 180
			Horz(CT) 0.00 5 n/a n/a
			<b>PLATES</b> <b>GRIP</b>
			MT20 244/190
			Weight: 82 lb FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

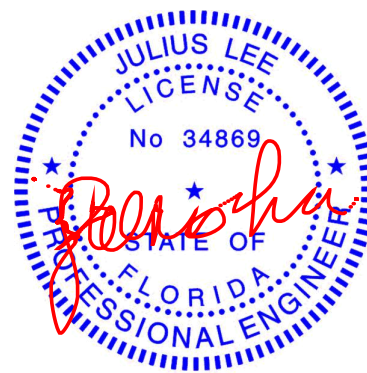
(size) 7=0-6-0, 5=0-6-0  
Max Horz 7=-161(LC 10)  
Max Uplift 5=-41(LC 12)  
Max Grav 7=529(LC 1), 5=640(LC 1)

#### FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-513/95, 2-3=-520/98, 1-7=-466/88, 3-5=-577/146  
BOT CHORD 6-7=-101/303  
WEBS 2-6=0/256

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-10-0, Exterior(2R) 6-10-0 to 9-10-0, Interior(1) 9-10-0 to 15-2-0 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

January 5, 2022

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Tampa, FL 33610

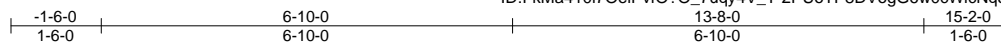
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436754
GONZALEZ	L3GE	Common Supported Gable	1	1		
Job Reference (optional)						

Mayo Truss Company, Inc.,

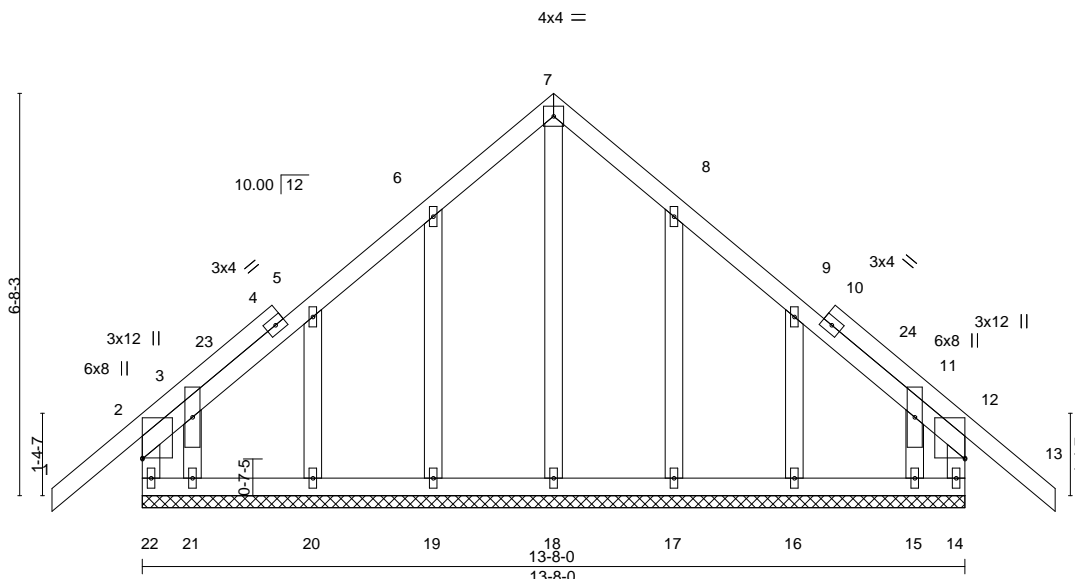
Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:16 2022 Page 1

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Scale = 1:38.3



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.17	Vert(LL)	-0.01	13	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	-0.01	13	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.16	Horz(CT)	-0.00	14	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-R					Weight: 98 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, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS.

All bearings 13-8-0.

(lb) - Max Horz 22=157(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 22, 14, 19, 20, 21, 17, 16, 15

Max Grav All reactions 250 lb or less at joint(s) 22, 14, 18, 19, 20, 21, 17, 16, 15

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 6-10-0, Corner(3R) 6-10-0 to 9-10-0, Exterior(2N) 9-10-0 to 15-2-0 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 14, 19, 20, 21, 17, 16, 15.



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

January 5, 2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



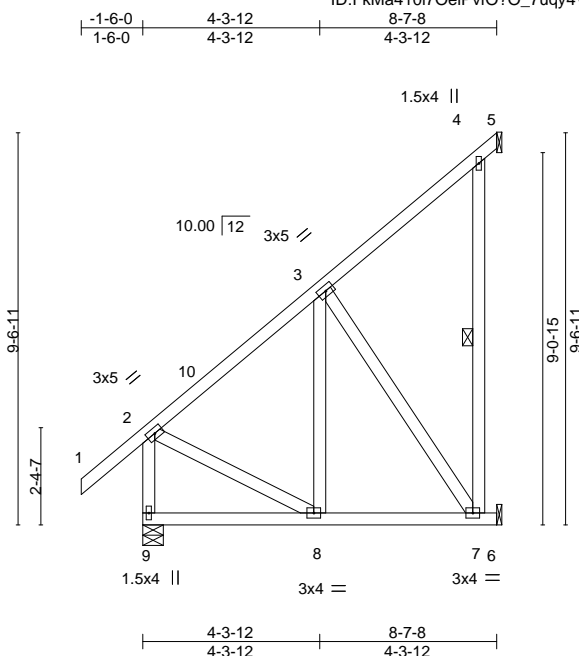
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	M01	Jack-Partial	1	1	T26436755
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:17 2022 Page 1

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Scale = 1:56.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.19	Vert(LL)	0.02 7-8	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.23	Vert(CT)	-0.03 7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.25	Horz(CT)	-0.01 5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 73 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 9=0-6-0, 5=Mechanical, 6=Mechanical  
Max Horz 9=261(LC 12)  
Max Uplift 5=-10(LC 12), 6=-113(LC 12)  
Max Grav 9=445(LC 1), 5=116(LC 3), 6=260(LC 17)

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

TOP CHORD 2-9=-417/0, 2-3=-269/0  
BOT CHORD 8-9=-353/172  
WEBS 3-7=-307/262

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp 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 8-6-12 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=113.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Julius Lee PE No.34869  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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January 5, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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Tampa, FL 33610

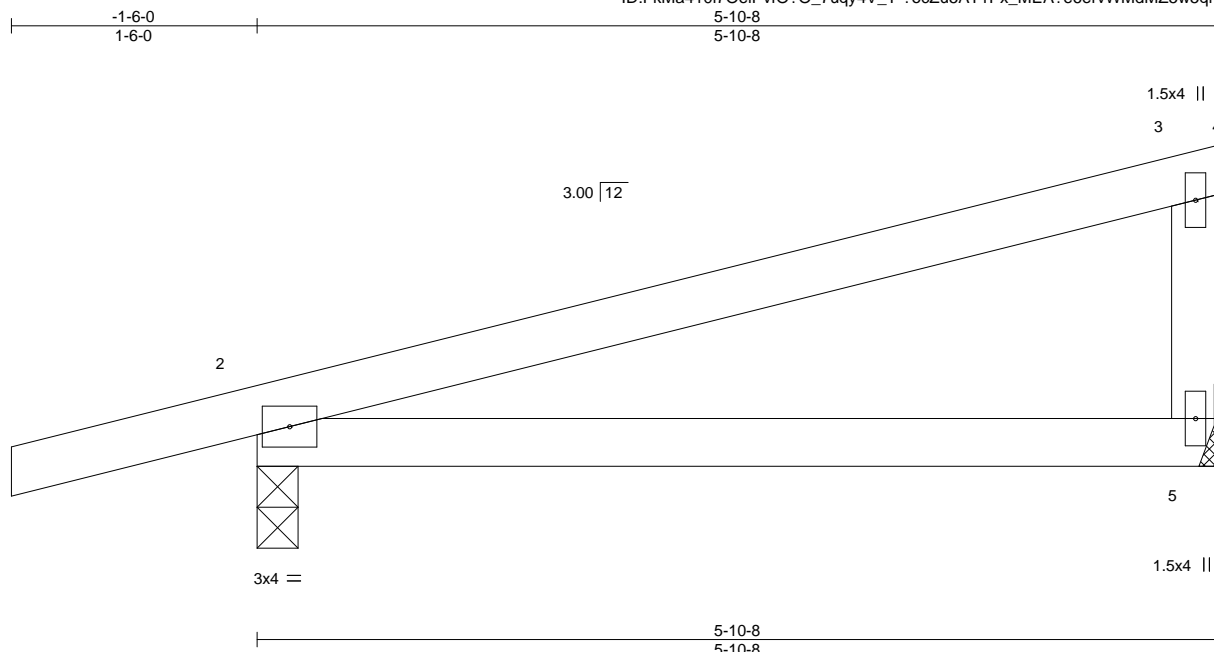


Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436756
GONZALEZ	M02	Monopitch	12	1		
Job Reference (optional)						

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:18 2022 Page 1

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Scale = 1:14.1

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.40	Vert(LL)	-0.04 5-8	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.33	Vert(CT)	-0.10 5-8	>712	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01 2	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						
									Weight: 22 lb FT = 20%

## LUMBER-

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

## BRACING-

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

## REACTIONS.

(size) 5=Mechanical, 2=0-3-0  
 Max Horz 2=50(LC 11)  
 Max Uplift 2=40(LC 12)  
 Max Grav 5=223(LC 1), 2=331(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 6-0-0 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

January 5, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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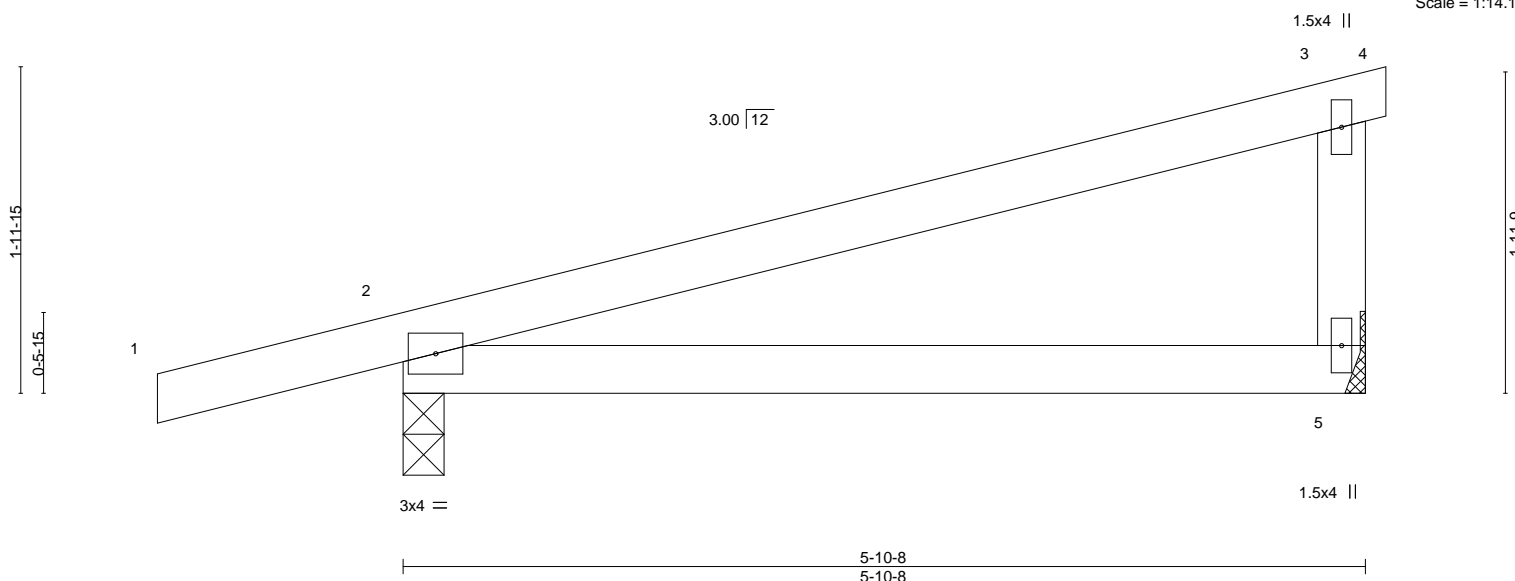
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436757
GONZALEZ	M03	Monopitch	3	1		
Job Reference (optional)						

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:18 2022 Page 1  
ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-?ocZu5AT1Px\_MEA?e6ervWMdMZ5w5qm83D706KzylZF

-1-6-0 5-10-8  
1-6-0 5-10-8

Scale = 1:14.1



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.40	Vert(LL)	-0.04 5-8	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.33	Vert(CT)	-0.10 5-8	>712	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01 2	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 22 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

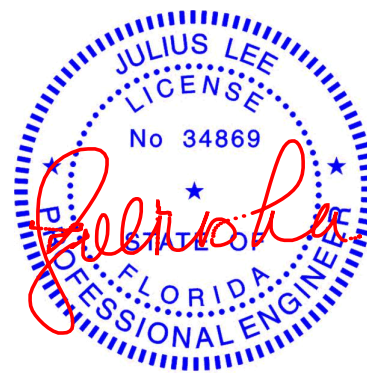
#### REACTIONS.

(size) 5=Mechanical, 2=0-3-0  
Max Horz 2=50(LC 11)  
Max Uplift 2=40(LC 12)  
Max Grav 5=223(LC 1), 2=331(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 6-0-0 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

January 5, 2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



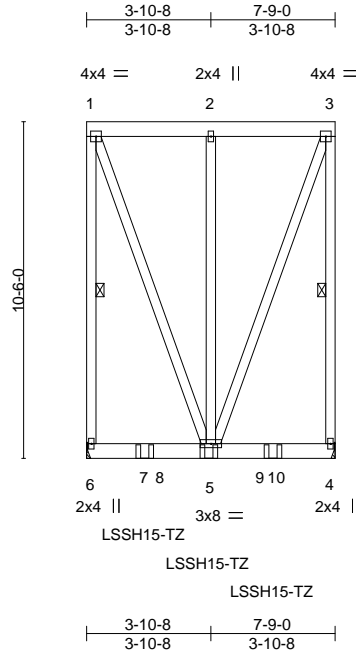
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436758
GONZALEZ	M05	Piggyback Base Girder	1	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:19 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-T\_Ax6QA5nj3rzOIBBq94SkupxzSMqGOlltsZemzyLZE



Scale = 1:71.9

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35	Vert(LL)	-0.01	4-5	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.25	Vert(CT)	-0.02	4-5	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.10	Horz(CT)	-0.00	4	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						
								Weight: 218 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.  
WEBS 1 Row at midpt 1-6, 3-4

#### REACTIONS.

(size) 6=Mechanical, 4=Mechanical  
Max Horz 6=281(LC 4)  
Max Uplift 6=251(LC 4), 4=250(LC 5)  
Max Grav 6=1288(LC 26), 4=1271(LC 25)

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

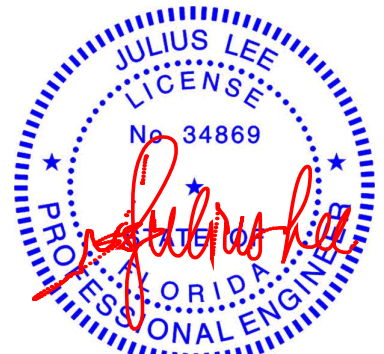
TOP CHORD 1-6=-997/253, 1-2=-321/112, 2-3=-321/112, 3-4=-997/253  
BOT CHORD 5-6=-250/218  
WEBS 1-5=-247/968, 3-5=-247/968

#### NOTES-

- 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.
- 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.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=251, 4=250.
- Use USP LSSH15-TZ (With 6-10d HDG nails into Girder & 7-10d x 1-1/2 HDG nails into Truss) or equivalent spaced at 2'-0" oc max. starting at 1'-9" from the left end to 5'-9" to connect truss(es) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

#### LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25



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Date:

January 5, 2022

Continued on page 2

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	M05	Piggyback Base Girder	1	2	T26436758
					Job Reference (optional)

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:19 2022 Page 2  
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**LOAD CASE(S)** Standard  
Uniform Loads (plf)  
Vert: 1-3=-60, 4-6=-20  
Concentrated Loads (lb)  
Vert: 5=-639(B) 7=-639(B) 10=-639(B)

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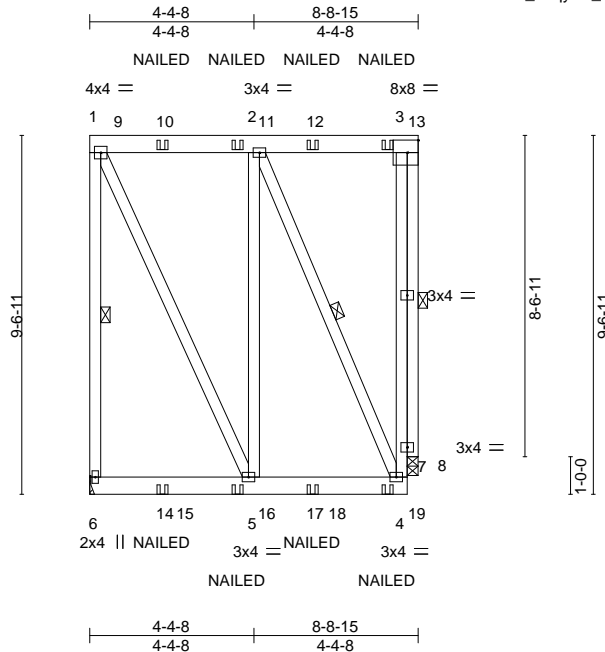
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	M06	Flat Girder	1	1	T26436759
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:20 2022 Page 1

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Scale = 1:61.4

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 0.62	Vert(LL)	-0.02	4-5	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.26	Vert(CT)	-0.04	4-5	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.41	Horz(CT)	0.02	8	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 119 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
WEBS 1 Row at midpt 1-6, 2-4, 3-8

#### REACTIONS.

(size) 6=Mechanical, 8=0-3-8  
Max Horz 6=203(LC 6)  
Max Uplift 6=282(LC 4), 8=375(LC 8)  
Max Grav 6=930(LC 27), 8=1086(LC 25)

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

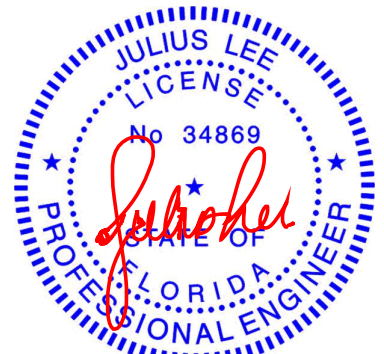
TOP CHORD 1-6=-745/243, 1-2=-308/116, 4-7=-342/917, 3-7=-342/917  
BOT CHORD 4-5=-117/311  
WEBS 1-5=-241/685, 2-4=-683/258, 3-8=-1087/376

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=282, 8=375.
- 9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-3=-60, 4-6=-20  
Concentrated Loads (lb)  
Vert: 10=-45(F) 11=-45(F) 12=-45(F) 13=-64(F) 14=-213(F) 16=-213(F) 17=-213(F) 19=-209(F)



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January 5, 2022

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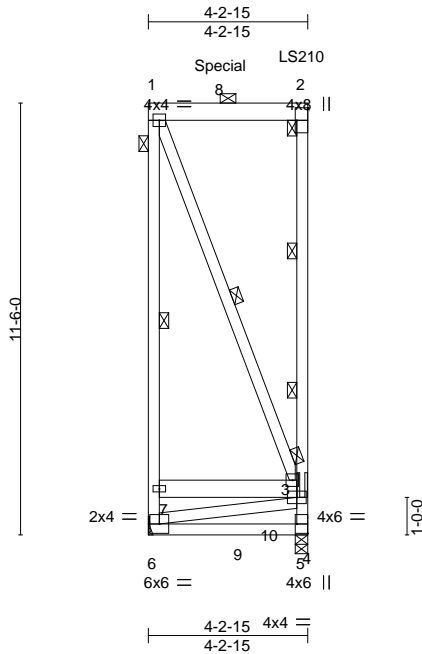


6904 Parke East Blvd.  
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Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436760
GONZALEZ	M07	PIGGYBACK BASE GIRDE	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:21 2022 Page 1  
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Scale = 1:61.4

Plate Offsets (X,Y)--		[2:Edge,0-3-8], [5:Edge,0-3-8]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.89		Vert(LL)	-0.01 5-6	>999	240	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.19		Vert(CT)	-0.02 5-6	>999	180		
BCLL 0.0 *		Rep Stress Incr	NO	WB 0.18		Horz(CT)	-0.00 5	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MS						Weight: 78 lb	FT = 20%

#### LUMBER-

TOP CHORD 2x6 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
3-7: 2x6 SP No.2  
WEBS 2x4 SP No.2

#### BRACING-

TOP CHORD 2-0-0 oc purlins: 1-2, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
WEBS 1 Row at midpt 1-6, 1-4  
2 Rows at 1/3 pts 2-5  
JOINTS 1 Brace at Jt(s): 2, 4, 1

#### REACTIONS.

(size) 6=Mechanical, 5=0-4-0  
Max Horz 6=-312(LC 6)  
Max Uplift 6=-467(LC 4), 5=-1011(LC 5)  
Max Grav 6=849(LC 26), 5=1787(LC 25)

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

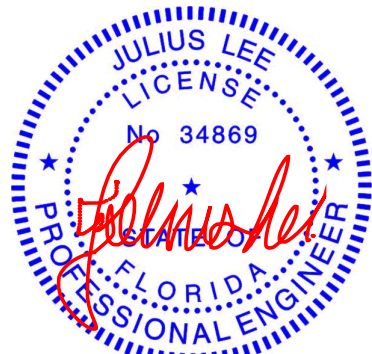
TOP CHORD 6-7=-677/391, 1-7=-555/374, 3-5=-1706/1033, 2-3=-1317/645  
BOT CHORD 4-7=-269/245, 3-4=-391/275  
WEBS 1-4=-353/351, 3-6=-386/381

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=467, 5=1011.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) Use USP LS210 (With 9-10d x 1-1/2 nails into Girder & 9-10d x 1-1/2 nails into Truss) or equivalent at 4-1-3 from the left end to connect truss(es) to back face of top chord.
- 10) Fill all nail holes where hanger is in contact with lumber.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 425 lb down and 122 lb up at 1-11-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25



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MiTek USA, Inc. FL Cert 6634  
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Date:

January 5,2022

Continued on page 2

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	M07	PIGGYBACK BASE GIRDE	1	1	T26436760
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:21 2022 Page 2  
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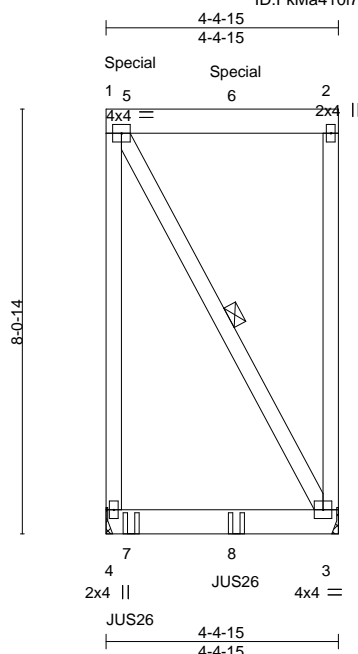
**LOAD CASE(S)** Standard  
Uniform Loads (plf)  
Vert: 1-2=-60, 5-6=-20, 3-7=-20  
Concentrated Loads (lb)  
Vert: 2=-976(B) 8=-420(B)



Job GONZALEZ	Truss M08	Truss Type Flat Girder	Qty 1	Ply 1	Gonzalez T26436761
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:22 2022 Page 1  
ID:FkMa410i7OeiPvIO?O\_7uqy4V\_T-tZr3kSD\_4eRPqrUmtyn4MWGoAPS0cck\_r5DF5zylZB



Scale = 1:43.8

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	I/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.63	Vert(LL)	-0.04 3-4	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.55	Vert(CT)	-0.05 3-4	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.07	Horz(CT)	-0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 54 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-4-15 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
WEBS 1 Row at midpt 1-3

#### REACTIONS.

(size) 4=Mechanical, 3=Mechanical  
Max Horz 4=213(LC 7)  
Max Uplift 4=683(LC 4), 3=431(LC 5)  
Max Grav 4=968(LC 23), 3=603(LC 22)

#### FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-4=-629/240

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=683, 3=431.
- 8) Use USP JUS26 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-5-11 from the left end to 2-5-11 to connect truss(es) to back face of bottom chord.
- 9) Fill all nail holes where hanger is in contact with lumber.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 314 lb down and 142 lb up at 0-5-11, and 317 lb down and 162 lb up at 2-5-11 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-2=-60, 3-4=-20  
Concentrated Loads (lb)  
Vert: 5=-92(B) 6=-85(B) 7=-402(B) 8=-395(B)



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

January 5, 2022

#### WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

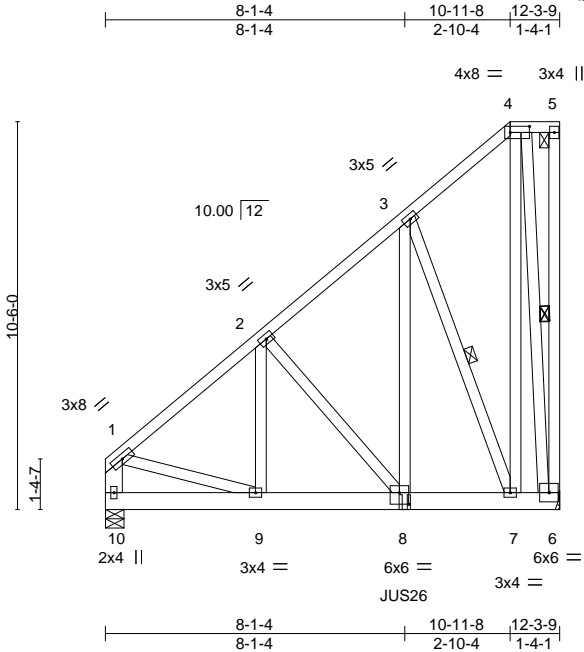


6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	M09	PIGGYBACK BASE GIRDE	1	1	T26436762
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:23 2022 Page 1  
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Scale = 1:62.4

Plate Offsets (X,Y)--	[4:0-6-4,0-2-0], [8:0-3-0,0-3-12]				
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc) l/defl L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	Vert(LL)	0.04 8 >999 240
TCDL 10.0	Lumber DOL	1.25	BC 0.27	Vert(CT)	-0.05 8 >999 180
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.97	Horz(CT)	-0.00 10 n/a n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS		
Weight: 141 lb FT = 20%					

LUMBER-

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x6 SP No.2  
WEBS 2x4 SP No.2 \*Except\*  
1-10: 2x6 SP No.2

BRACING-

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

**REACTIONS.** (size) 6=Mechanical, 10=0-6-0  
Max Horz 6=303(LC 5)  
Max Uplift 6=-560(LC 5), 10=-217(LC 8)  
Max Grav 6=1099(LC 25), 10=777(LC 26)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-830/288, 2-3=-749/373, 3-4=-262/158, 1-10=-731/237  
BOT CHORD 8-9=-184/607, 7-8=-259/562, 6-7=-171/290  
WEBS 4-7=-543/790, 4-6=-839/436, 3-8=-689/1150, 1-9=-183/566, 2-8=-263/123, 3-7=-1107/641

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=560, 10=217.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 8-1-4 from the left end to connect truss(es) to back face of bottom chord.
- 10) Fill all nail holes where hanger is in contact with lumber.
- 11) 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, 4-5=-60, 6-10=-20



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Date:

January 5,2022

Continued on page 2

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**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436762
GONZALEZ	M09	PIGGYBACK BASE GIRDE	1	1	Job Reference (optional)	

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

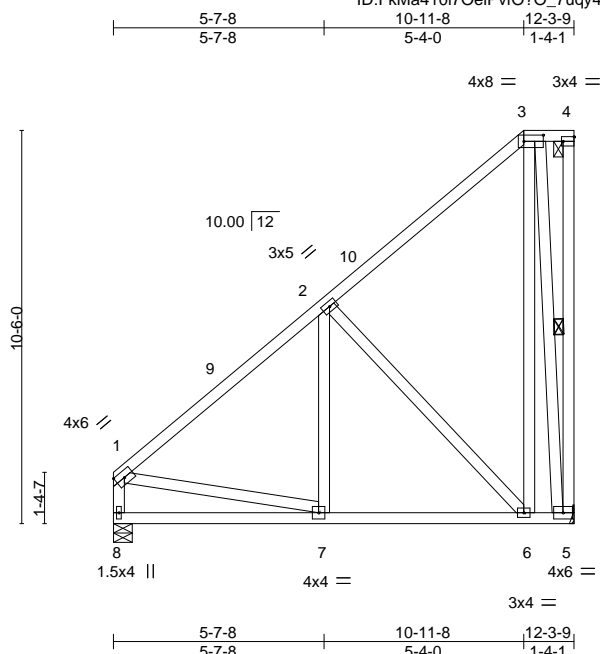
8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:23 2022 Page 2  
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LOAD CASE(S) Standard  
Concentrated Loads (lb)  
Vert: 8=-808(B)

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436763
GONZALEZ	M10	PIGGYBACK BASE	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:23 2022 Page 1  
ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-LmPSxoEcryZGS?3yQgE0ca3TxapNl\_StDVqnnXzylZA



Scale = 1:61.5

Plate Offsets (X,Y)--	[3:0-6-4,0-2-0], [4:Edge,0-1-8]								
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	-0.02 6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.31	Vert(CT)	-0.05 6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.42	Horz(CT)	-0.00 8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 115 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 5=Mechanical, 8=0-6-0  
Max Horz 5=306(LC 9)  
Max Uplift 5=102(LC 9)  
Max Grav 5=521(LC 17), 8=481(LC 18)

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

TOP CHORD 1-2=-497/71, 2-3=-265/145, 1-8=-430/65  
BOT CHORD 6-7=0/340, 5-6=-211/387  
WEBS 2-6=-379/190, 3-6=-227/448, 3-5=-528/273, 1-7=-59/263

#### NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-11-8, Exterior(2E) 10-11-8 to 12-1-13 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=102.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

January 5, 2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



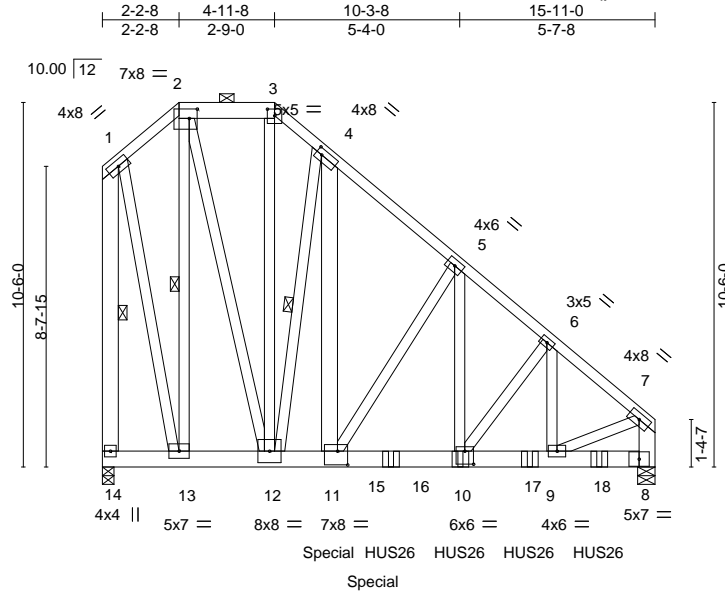
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	N01	PIGGYBACK BASE GIRDE	1	2	T26436764

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:25 2022 Page 1

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Scale = 1:66.4

Plate Offsets (X,Y)--		[2:0-2-12,0-3-4], [3:0-2-8,0-2-4], [4:0-2-0,0-2-0], [10:0-3-0,0-4-8], [11:0-3-8,0-4-12]							
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES</b>	<b>GRIP</b>
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.11 10-11 >999 240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.22 10-11 >844 180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.02 8 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS				Weight: 423 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2 *Except* 2-3: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-10-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD 2x6 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 1-14,7-8,4-11: 2x6 SP No.2	WEBS 1 Row at midpt 2-13, 1-14, 4-12

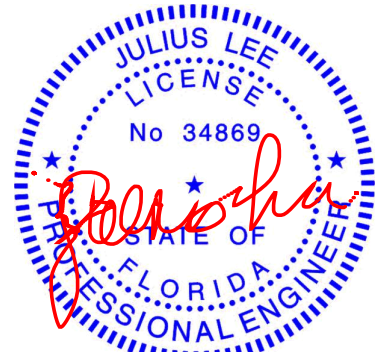
**REACTIONS.** (size) 14=0-4-0, 8=0-6-0  
Max Horz 14=-285(LC 6)  
Max Uplift 14=-503(LC 4), 8=-405(LC 8)  
Max Grav 14=5513(LC 1), 8=6582(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-1607/271, 2-3=-2468/330, 3-4=-3092/407, 4-5=-4930/543, 5-6=-6414/579,  
6-7=-6171/431, 1-14=-5520/537, 7-8=-5785/392  
BOT CHORD 12-13=-186/1095, 11-12=-316/3633, 10-11=-362/4919, 9-10=-273/4680, 8-9=-26/457  
WEBS 2-13=-4335/487, 2-12=-555/5552, 3-12=-214/1625, 5-10=-135/2747, 1-13=-456/4520,  
4-11=-791/7522, 4-12=-6506/745, 5-11=-2317/185, 6-9=-581/205, 7-9=-276/4581,  
6-10=-201/427

#### NOTES-

- 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 0-7-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
- 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.
- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=503, 8=405.

On this page, the representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

January 5, 2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez
GONZALEZ	N01	PIGGYBACK BASE GIRDE	1	2	T26436764
					Job Reference (optional)

- NOTES-**
- 12) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 8-3-12 from the left end to 14-3-12 to connect truss(es) to front face of bottom chord.
  - 13) Fill all nail holes where hanger is in contact with lumber.
  - 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5586 lb down and 401 lb up at 6-6-8, and 591 lb down and 451 lb up at 7-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-60, 2-3=-60, 3-7=-60, 8-14=-20

Concentrated Loads (lb)

Vert: 10=-1198(F) 11=-5586(F) 15=-456(B) 16=-1196(F) 17=-1198(F) 18=-1198(F)

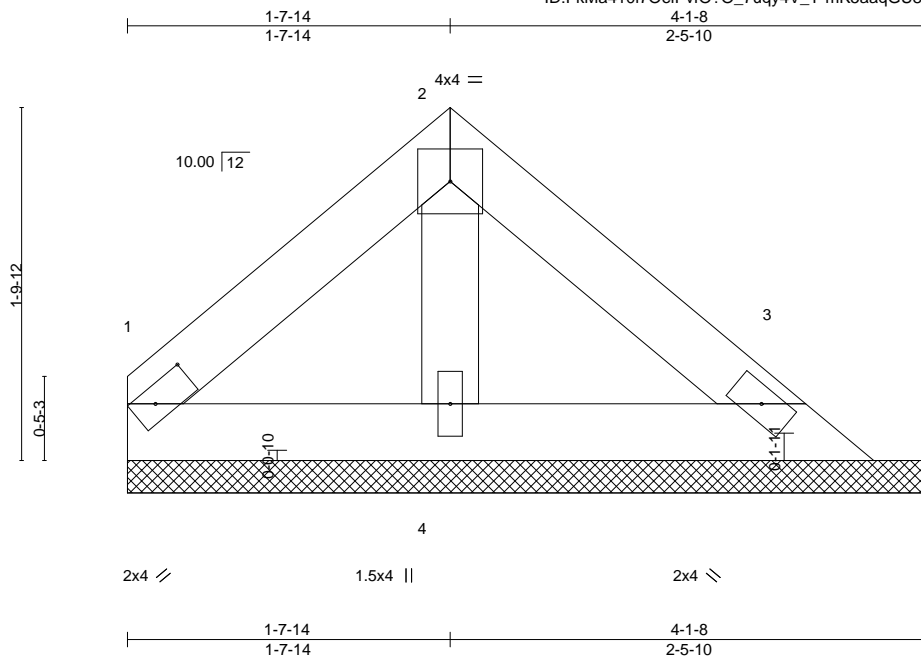


Job GONZALEZ	Truss N1GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Gonzalez T26436765
Job Reference (optional)					

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:26 2022 Page 1  
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Scale = 1:11.8

Plate Offsets (X,Y)--	[1:0-2-9,0-1-0]									
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in	(loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P						Weight: 14 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

#### REACTIONS.

(size) 1=4-1-8, 3=4-1-8, 4=4-1-8  
Max Horz 1=29(LC 11)  
Max Uplift 1=9(LC 12), 3=8(LC 12)  
Max Grav 1=72(LC 1), 3=81(LC 1), 4=110(LC 1)

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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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Date:

January 5, 2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.  
Tampa, FL 33610

Job GONZALEZ	Truss N02	Truss Type Common	Qty 2	Ply 1	Gonzalez	T26436766
Mayo Truss Company, Inc., Mayo, FL - 32066,						8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:25 2022 Page 1
Job Reference (optional)						ID:FkMa410i7OeiPvfO?O_7uqy4V_T-l8XCMUFsNZp_hJCLY5GUi?8v8OXKD_VAgoJtrQzylZ8

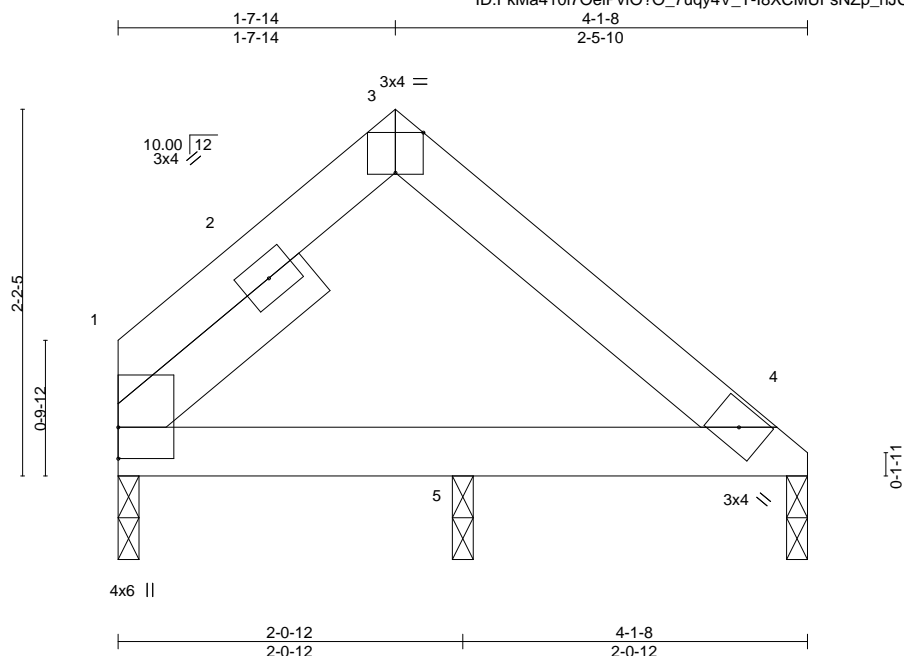


Plate Offsets (X,Y)-- [3:0-2-0,Edge]									
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.05	Vert(LL)	-0.00 10	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	-0.00 10	>999	180		
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-AS					Weight: 16 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 1=0-1-8, 4=0-1-8, 5=0-1-8  
Max Horz 1=35(LC 11)  
Max Uplift 1=-3(LC 12), 4=-1(LC 12)  
Max Grav 1=116(LC 1), 4=114(LC 1), 5=106(LC 3)

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 4, 5.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4.
- 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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January 5, 2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



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Tampa, FL 33610

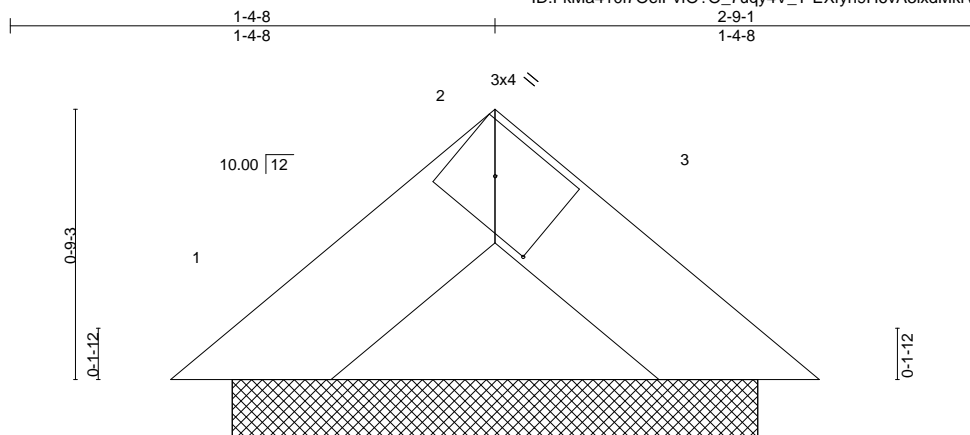
Job GONZALEZ	Truss PB01	Truss Type Piggyback	Qty 1	Ply 1	Gonzalez T26436767
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Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:27 2022 Page 1

ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-EXfyn9H6vA3ixdMkfVlynQEFyBEAhu\_T86o\_wlylZ6



Scale = 1:6.5

Plate Offsets (X,Y)--		[2:0-2-8,0-1-8]	
<b>LOADING</b> (psf)	<b>SPACING</b>	<b>CSI.</b>	<b>DEFL.</b>
TCLL 20.0	2-0-0	TC 0.03	in (loc) l/defl L/d
TCDL 10.0	Plate Grip DOL 1.25	BC 0.00	Vert(LL) n/a - n/a 999
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Vert(CT) n/a - n/a 999
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a
	Code FBC2020/TPI2014		
			<b>PLATES</b> MT20
			<b>GRIP</b> 244/190
			Weight: 4 lb FT = 20%

#### LUMBER-

TOP CHORD 2x4 SP No.2

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-9-1 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

#### REACTIONS.

(size) 1=1-5-15, 3=1-5-15  
Max Horz 1=-12(LC 10)  
Max Uplift 1=-8(LC 12), 3=-8(LC 12)  
Max Grav 1=42(LC 1), 3=42(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 live load of 20.0psf on the bottom chord in 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) 1, 3.



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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436768
GONZALEZ	PB02	PIGGYBACK	22	1		
Job Reference (optional)						

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:27 2022 Page 1  
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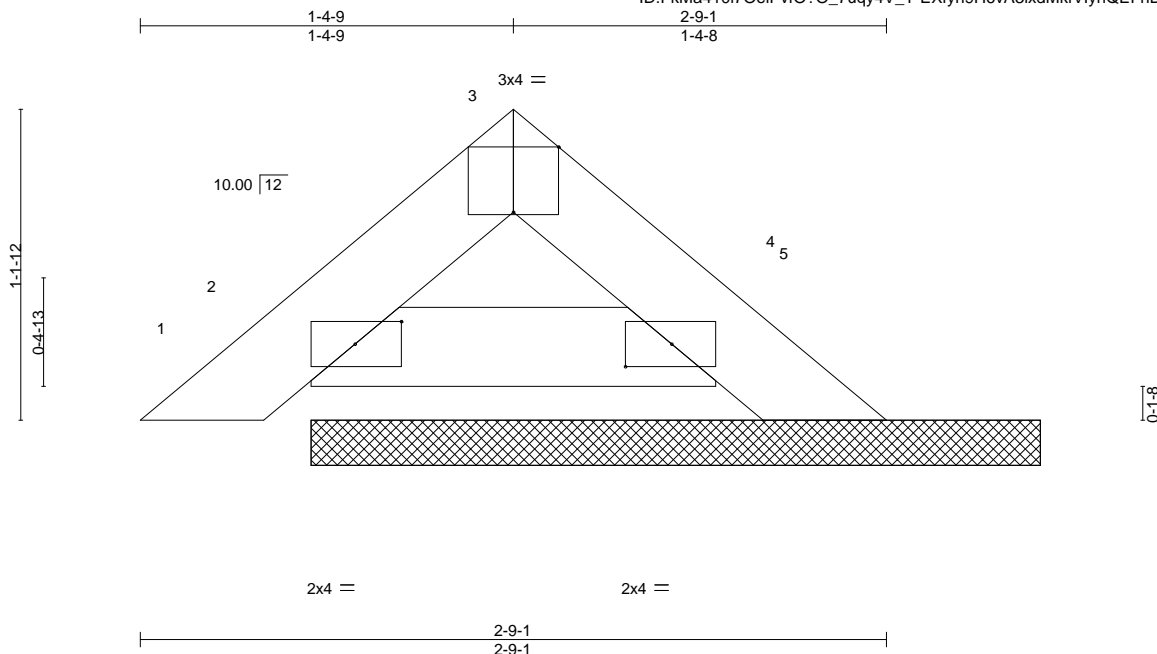


Plate Offsets (X,Y)--		[2:0-2-1,0-1-0], [3:0-2-0,Edge], [4:0-2-1,0-1-0]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.04	Vert(LL)	0.00	1	n/r	120	MT20	244/190	
TCDL 10.0	Lumber DOL	1.25	BC 0.02	Vert(CT)	0.00	1	n/r	120			
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	5	n/a	n/a			
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						Weight: 8 lb	FT = 20%	

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-9-1 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

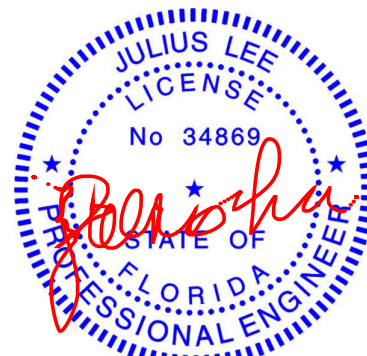
#### REACTIONS.

(size) 5=2-8-5, 2=2-8-5  
Max Horz 2=20(LC 11)  
Max Uplift 2=11(LC 12)  
Max Grav 5=75(LC 1), 2=103(LC 1)

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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6904 Parke East Blvd. Tampa FL 33610  
Date:

January 5,2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



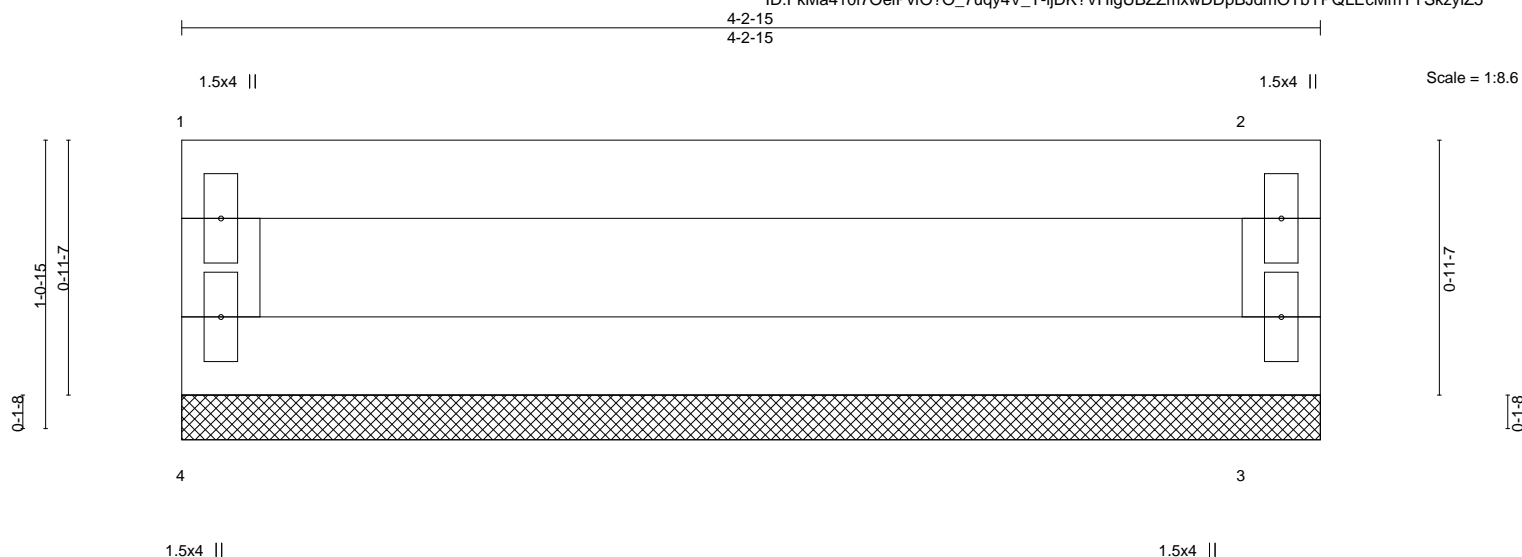
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436769
GONZALEZ	PB03	Piggyback	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:28 2022 Page 1

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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00				
BCDL	10.0	Code FBC2020/TPI2014		Matrix-R							
								Weight: 14 lb		FT = 20%	

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 4=4-2-15, 3=4-2-15  
Max Horz 4=18(LC 8)  
Max Uplift 4=6(LC 8), 3=6(LC 9)  
Max Grav 4=158(LC 1), 3=158(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 Corner(3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 3.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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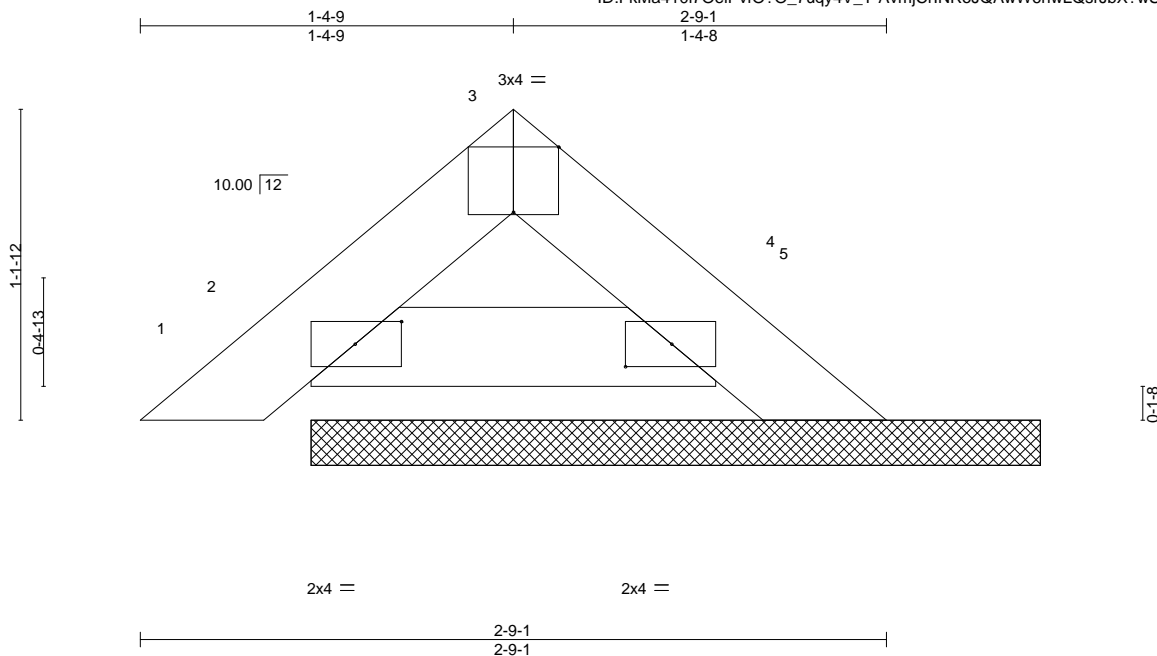
Job GONZALEZ	Truss PB04	Truss Type PIGGYBACK	Qty 1	Ply 2	Gonzalez	T26436770
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Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:29 2022 Page 1

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Scale = 1:8.5

Plate Offsets (X,Y)--		[2:0-2-1,0-1-0], [3:0-2-0,Edge], [4:0-2-1,0-1-0]																			
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 0.02		Vert(LL)		0.00		1		n/r		120		MT20		244/190	
TCDL	10.0	Lumber DOL		1.25		BC 0.01		Vert(CT)		0.00		1		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-S												Weight: 15 lb		FT = 20%	

#### LUMBER-

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

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-9-1 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

#### REACTIONS.

(size) 5=2-8-5, 2=2-8-5  
Max Horz 2=20(LC 11)  
Max Uplift 2=11(LC 12)  
Max Grav 5=75(LC 1), 2=103(LC 1)

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

#### NOTES-

- 2-ply truss to be connected together as follows:  
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
- 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.
- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

January 5,2022

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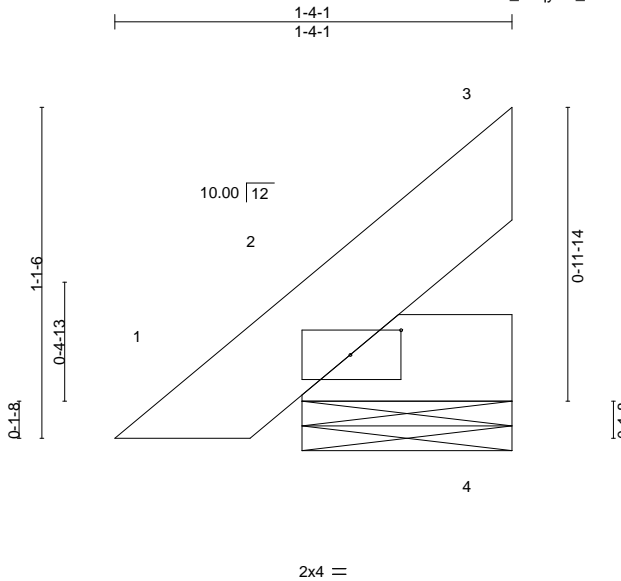


Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436771
GONZALEZ	PB06	Piggyback	2	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:29 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-AvmjCrINRoJQAww6nwLQsrJbL?wG9oUmbQH5\_BzylZ4



Scale = 1:7.8

Plate Offsets (X,Y)--		[2:0-2-1,0-1-0]									
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	0.03	Vert(LL)	0.00	2	n/r	120	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	2	n/r	120	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P							
										Weight: 4 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 1-4-1 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

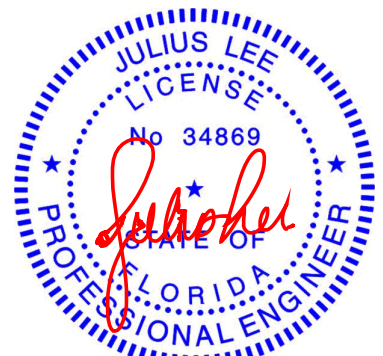
#### REACTIONS.

(size) 2=0-8-8, 4=0-8-8  
Max Horz 2=50(LC 12)  
Max Uplift 2=41(LC 12), 4=28(LC 1)  
Max Grav 2=103(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) 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) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

January 5,2022

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**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436772
GONZALEZ	PB07	GABLE	2	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:30 2022 Page 1  
ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-e6K5QBJ?C5RHo45ILesfP2smFPGjuFhvq41eXdzyIZ3

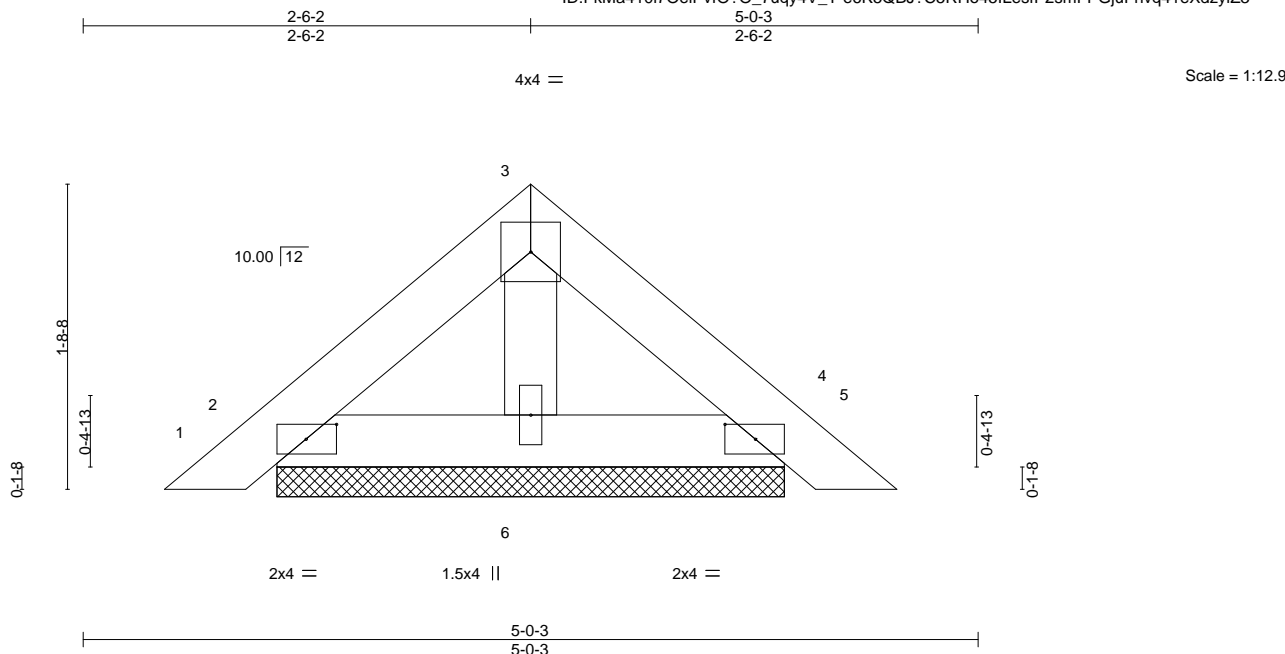


Plate Offsets (X,Y)--		[2:0-2-1,0-1-0], [4:0-2-1,0-1-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	20.0	Plate Grip DOL 1.25		TC	0.02	Vert(LL)	0.00	4	n/r	120	MT20 244/190
TCDL	10.0	Lumber DOL 1.25		BC	0.01	Vert(CT)	0.00	4	n/r	120	
BCLL	0.0 *	Rep Stress Incr YES		WB	0.00	Horz(CT)	0.00	4	n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 27 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 5-0-3 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

#### REACTIONS.

(size) 2=2-10-2, 4=2-10-2, 6=2-10-2  
Max Horz 2=30(LC 11)  
Max Uplift 2=-20(LC 12), 4=-20(LC 12)  
Max Grav 2=91(LC 1), 4=91(LC 1), 6=93(LC 1)

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

#### NOTES-

- 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.
- 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.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

January 5, 2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436773
GONZALEZ	PB08	Piggyback	9	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:31 2022 Page 1

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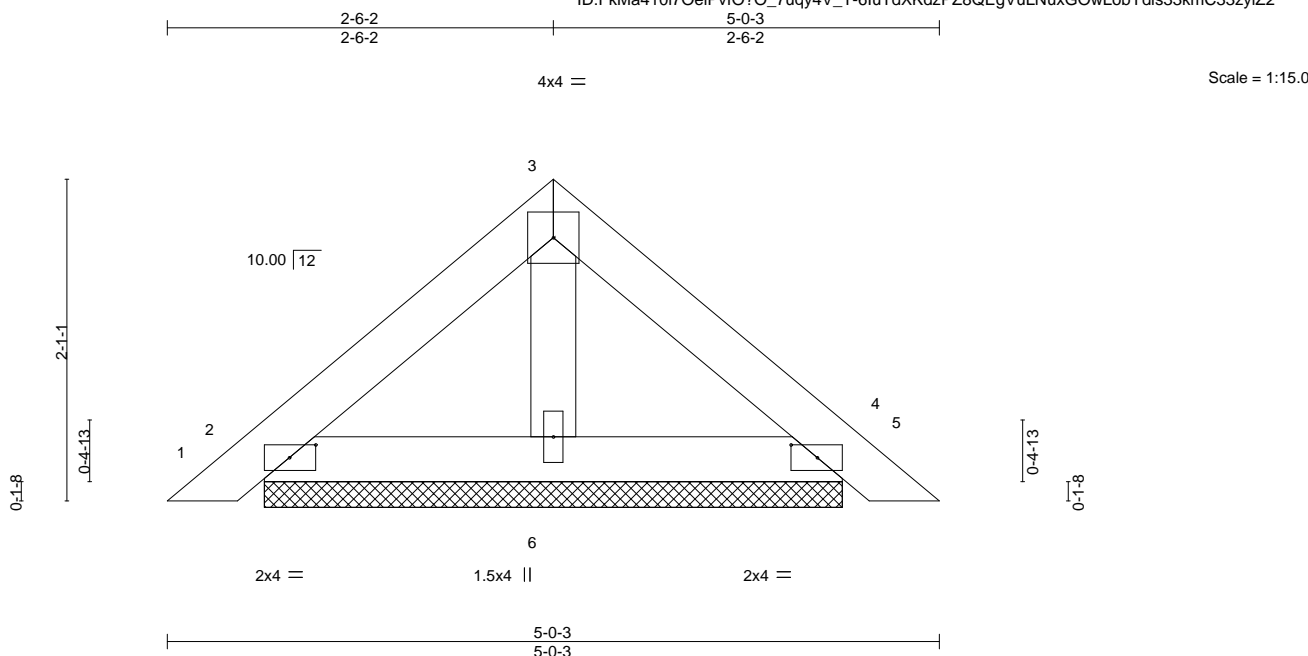


Plate Offsets (X,Y)--		[2:0-2-1,0-1-0], [4:0-2-1,0-1-0]								
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP		
TCLL 20.0		Plate Grip DOL 1.25		TC 0.07	Vert(LL) 0.00 4	n/r	120	MT20	244/190	
TCDL 10.0		Lumber DOL 1.25		BC 0.04	Vert(CT) 0.00 5	n/r	120			
BCLL 0.0 *		Rep Stress Incr YES		WB 0.01	Horz(CT) 0.00 4	n/a	n/a			
BCDL 10.0		Code FBC2020/TPI2014		Matrix-P				Weight: 17 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 5-0-3 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

#### REACTIONS.

(size) 2=3-9-1, 4=3-9-1, 6=3-9-1  
Max Horz 2=-38(LC 10)  
Max Uplift 2=-22(LC 12), 4=-22(LC 12)  
Max Grav 2=112(LC 1), 4=112(LC 1), 6=125(LC 1)

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

January 5, 2022

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Tampa, FL 33610

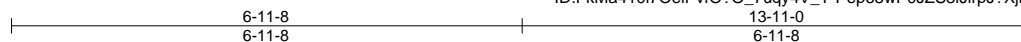
Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436774
GONZALEZ	PB9A	GABLE	1	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:38 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-Pep65wP0JZS8lJrpJ?XjkB8nd\_EmtB5gKz4o9zylYx



Scale = 1:31.4

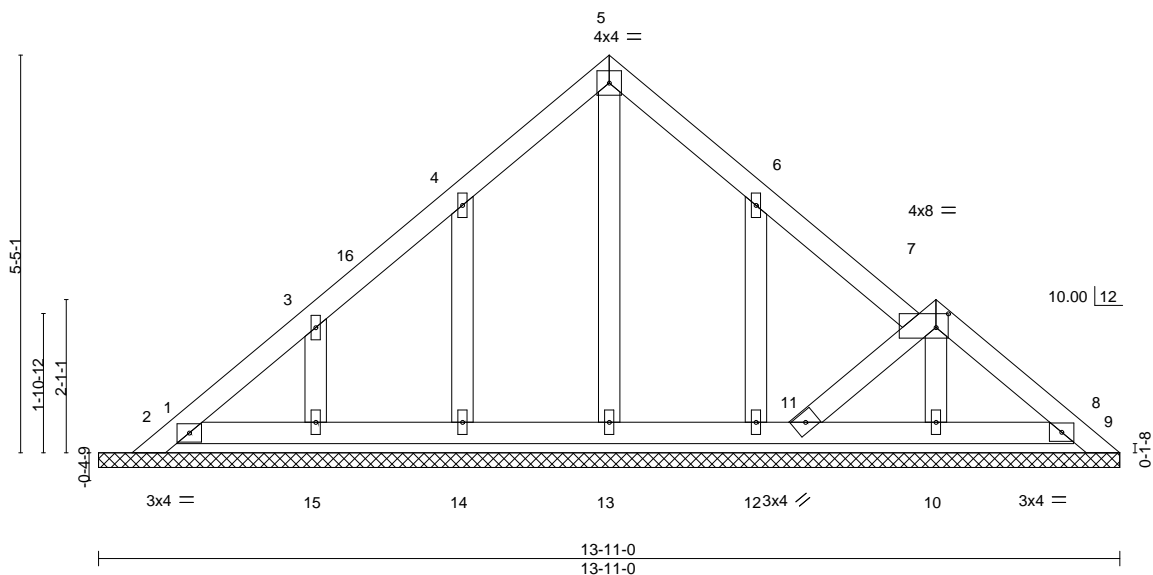


Plate Offsets (X,Y)--		[7:0-2-0,0-2-4]								
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP	
TCLL 20.0		Plate Grip DOL 1.25		TC 0.05		Vert(LL) n/a -	n/a	999	MT20	244/190
TCDL 10.0		Lumber DOL 1.25		BC 0.03		Vert(CT) n/a -	n/a	999		
BCLL 0.0 *		Rep Stress Incr YES		WB 0.03		Horz(CT) 0.00 8	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-S					Weight: 68 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.

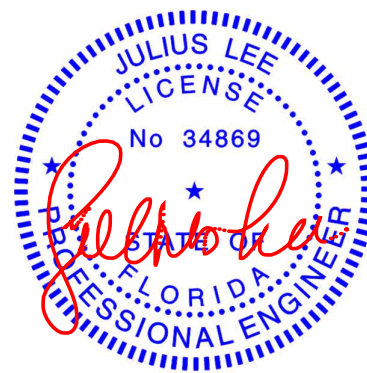
#### REACTIONS.

All bearings 13-11-0.  
(lb) - Max Horz 1=104(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 9, 8, 14, 15, 11, 1, 12  
Max Grav All reactions 250 lb or less at joint(s) 9, 2, 8, 13, 14, 15, 11, 1, 12, 10

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 0-8-3 to 3-8-3, Exterior(2N) 3-8-3 to 6-11-8, Corner(3R) 6-11-8 to 9-11-8, Exterior(2N) 9-11-8 to 13-8-5 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 8, 14, 15, 11, 1, 12.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

January 5, 2022

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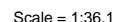
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:32 2022 Page 1  
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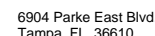
<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.2		

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 3-10=251/233

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl.; GCp=-0.18; MWFRS (directional) and C-C Corner(3E) 0-2-12 to 2-11-8, Exterior(2N) 2-11-8 to 6-11-8, Corner(3R) 6-11-8 to 9-11-8, Exterior(2N) 9-11-8 to 13-8-5 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4'-0" oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-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) 1, 7, 10, 8.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



January 5, 2022





Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436776
GONZALEZ	PB10A	GABLE	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:34 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-XtacFZMVFKyHiO4aUwbZu0Sk0dJq3BVli?sgOzyIz?

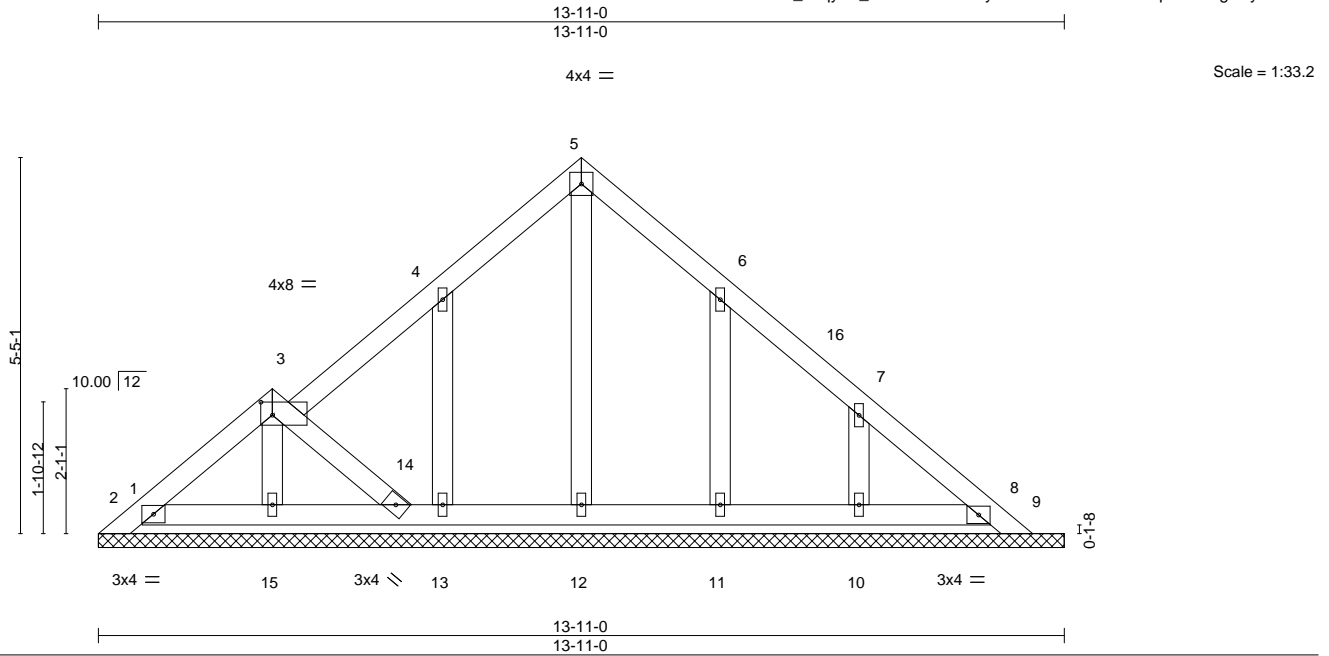


Plate Offsets (X,Y)--	[3:0-2-0,0-2-4]								
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.06	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	8	n/a		
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-S					Weight: 68 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.

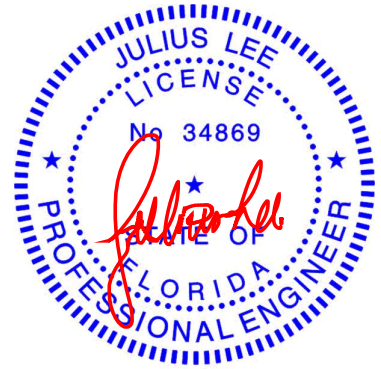
#### REACTIONS.

All bearings 13-11-0.  
(lb) - Max Horz 1=104(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 14, 9, 13, 11, 10  
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8, 12, 14, 9, 13, 11, 10, 15

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 0-2-12 to 2-8-13, Exterior(2N) 2-8-13 to 6-11-8, Corner(3R) 6-11-8 to 9-11-8, Exterior(2N) 9-11-8 to 13-2-13 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 14, 9, 13, 11, 10.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 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:

January 5,2022

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

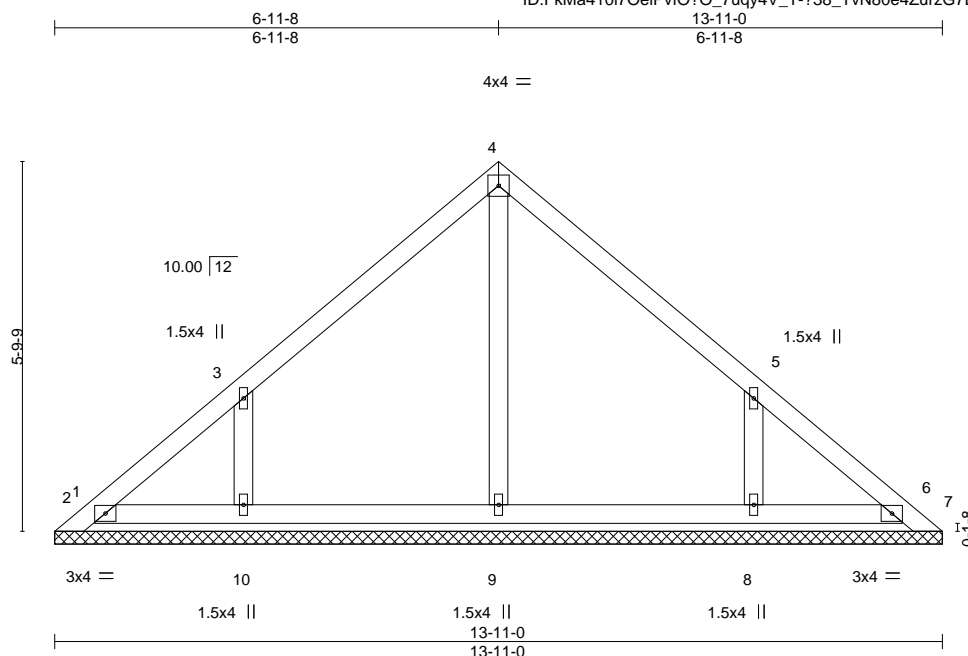
**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:35 2022 Page 1  
ID:FkMa410i7OeiPvIO?O\_7uqy4V\_T-?38\_TvN80e4ZurzG7BSsq66Zc6Qz6ZWfe\_MkPCqzyIZ\_  
6-11-8 13-11-0  
6-11-8 6-11-8  
4x4 = Scale = 1:36.

[illegible]

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

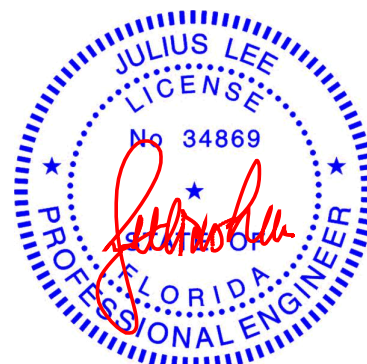
<b>BRACING-</b>	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 13-11-0.  
(lb) - Max Horz 1=112(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 10, 8  
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 2, 6, 9 except 10=320(LC 17), 8=319(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 3-10=251/233

**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.
- 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=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 0-2-12 to 2-11-8, Exterior(2N) 2-11-8 to 6-11-8, Corner(3R) 6-11-8 to 9-11-8, Exterior(2N) 9-11-8 to 13-8-5 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
- 5) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 4-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 10, 8.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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January 5, 2022



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Job	Truss	Truss Type	Qty	Ply	Gonzalez	T26436778
GONZALEZ	PB12	Piggyback	3	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:36 2022 Page 1

ID:FkMa410i7OeiPvfO?O\_7uqy4V\_T-TGiMgEOmnxCQW?YShuz3eJ5mXpInlyeoC0UzjHzyIYz

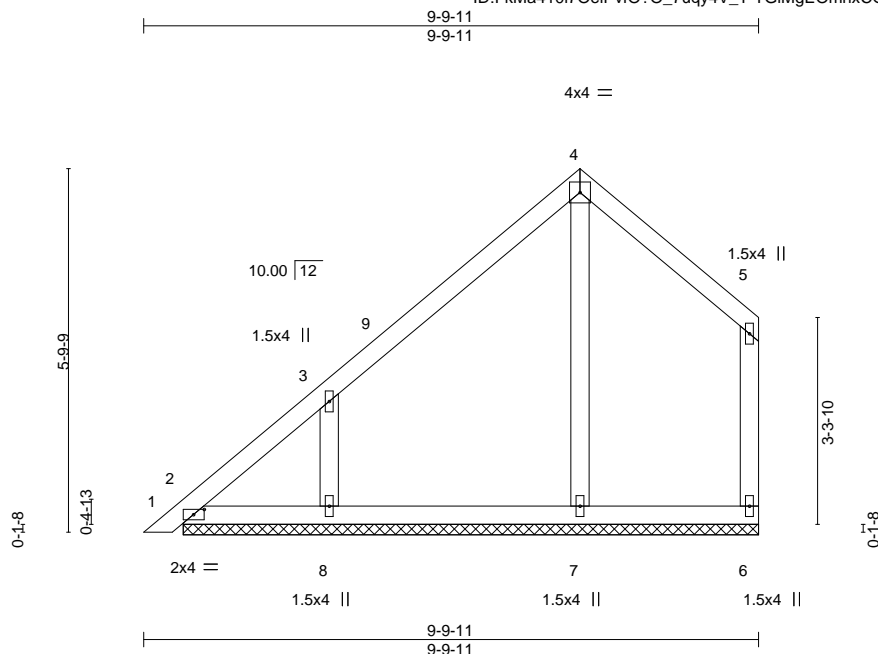


Plate Offsets (X,Y)--	[2:0-2-1,0-1-0]								
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.17	Vert(LL)	0.00	1	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.10	Vert(CT)	0.00	1	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	-0.00	6	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S					Weight: 47 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

All bearings 9-2-2.  
(lb) - Max Horz 2=141(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 6, 2, 8  
Max Grav All reactions 250 lb or less at joint(s) 6, 2 except 7=283(LC 17), 8=326(LC 17)

#### FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 3-8=-254/224

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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) 0-2-12 to 2-11-8, Interior(1) 2-11-8 to 6-11-8, Exterior(2E) 6-11-8 to 9-7-15 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2, 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



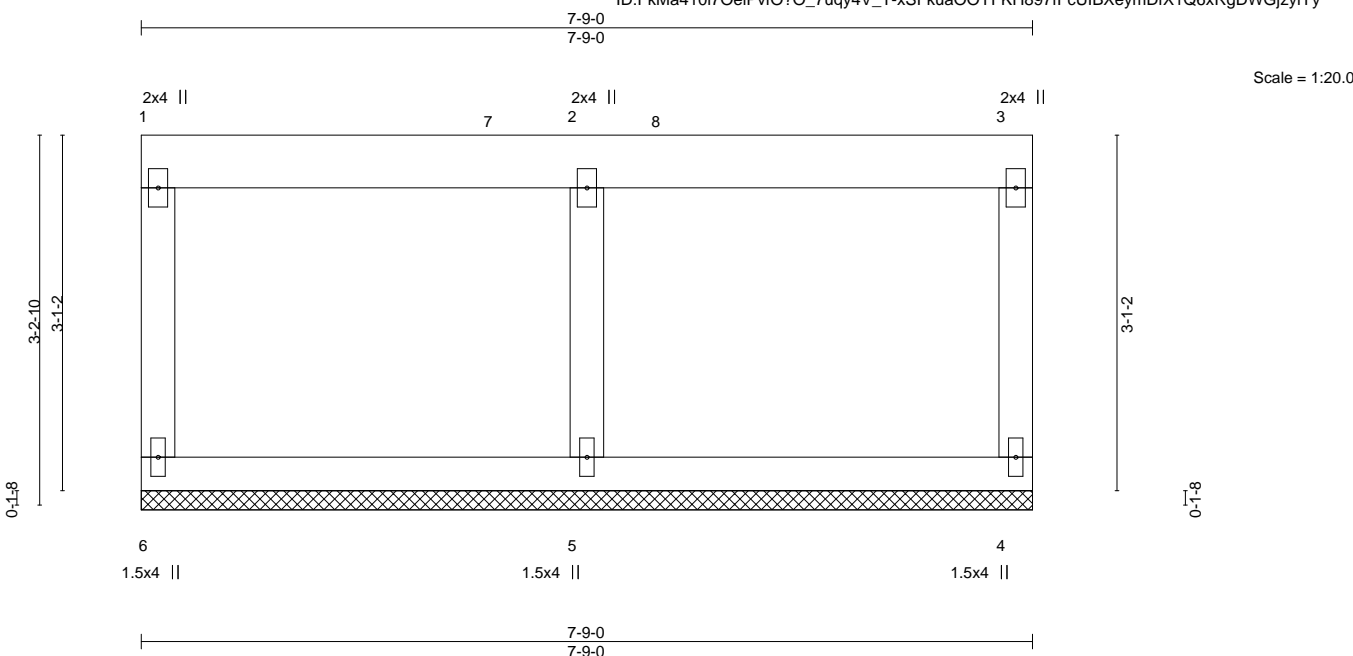
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Job GONZALEZ	Truss PB13	Truss Type Piggyback	Qty 1	Ply 2	Gonzalez	T26436779
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Jan 4 11:13:37 2022 Page 1

ID:FkMa410i7OeiPvFO?O\_7uqy4V\_T-xSFkuaOOYFKH897fFcUIBXeymDfX1Q6xRgDWGjzyIYy



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.07	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-R					Weight: 80 lb	FT = 20%

#### LUMBER-

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

#### BRACING-

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

#### REACTIONS.

(size) 6=7-9-0, 4=7-9-0, 5=7-9-0  
Max Horz 6=-76(LC 8)  
Max Uplift 6=-16(LC 8), 4=-16(LC 9), 5=-11(LC 9)  
Max Grav 6=120(LC 1), 4=120(LC 1), 5=357(LC 1)

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

WEBS 2-5=-270/269

#### NOTES-

- 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: 2x4 - 1 row at 0-9-0 oc.
- 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.
- 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 Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 4-7-4, Corner(3) 4-7-4 to 7-7-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4, 5.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:

January 5, 2022

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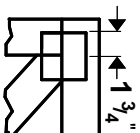
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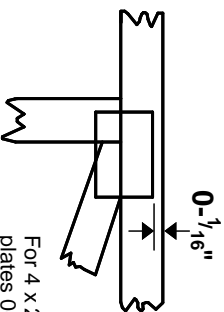
6904 Parke East Blvd.  
Tampa, FL 33610

## 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-  $\frac{1}{16}$ " 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

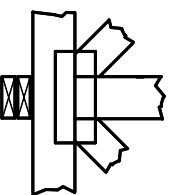
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

### 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



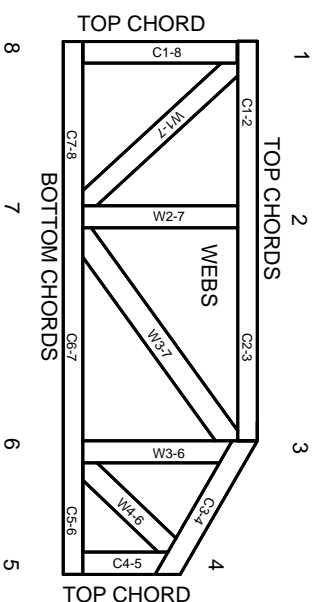
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

### Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
DSB-89: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

## Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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/TP1 1 section 6.3 These truss designs rely on lumber values established by others.

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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/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 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/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.