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

RE: 2365612 - AMIRA BLDRS. - PONDER RES.

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

Site Information:

Customer Info: Amira Bldrs. Project Name: Ponder Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD SW Mapleton Street, N/A
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

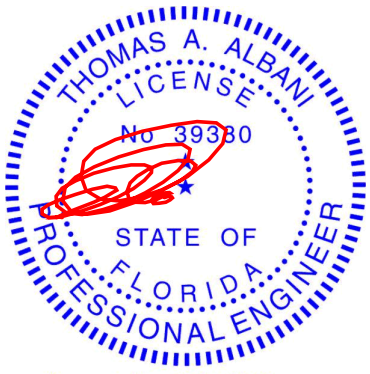
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 10 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
1	T20436937	T01	6/11/20
2	T20436938	T01G	6/11/20
3	T20436939	T02	6/11/20
4	T20436940	T02G	6/11/20
5	T20436941	T03	6/11/20
6	T20436942	T04	6/11/20
7	T20436943	T04G	6/11/20
8	T20436944	T05	6/11/20
9	T20436945	T06	6/11/20
10	T20436946	T07	6/11/20

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

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



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 11,2020

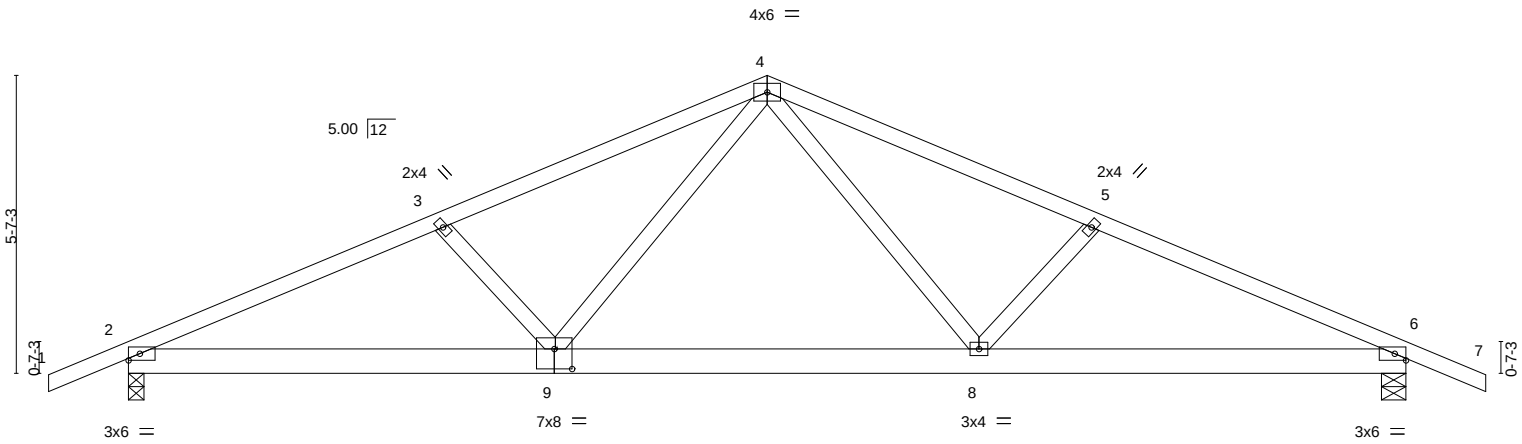
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which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

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T01	Common	11	1	T20436937
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:43 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-I1AYxusazHSq13pRvqEqSKODA6a57v5I08NG5Hz7QBY

-1-6-0 5-10-14 12-0-0 18-1-2 24-0-0 25-6-0
1-6-0 5-10-14 6-1-2 6-1-2 5-10-14 1-6-0

Scale = 1:43.3



8-0-4 15-11-12 24-0-0
8-0-4 7-11-8 8-0-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	0.33	8-9	>876	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	0.28	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(CT)	-0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 128 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

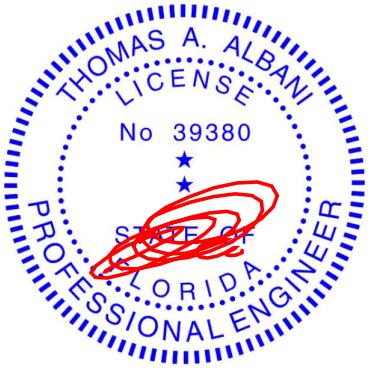
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-10 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-5-8
Max Horz 2=118(LC 16)
Max Uplift 2=-676(LC 8), 6=-676(LC 9)
Max Grav 2=1129(LC 1), 6=1128(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2102/2589, 3-4=-1901/2519, 4-5=-1899/2515, 5-6=-2101/2588
BOT CHORD 2-9=-2272/1886, 8-9=-1449/1278, 6-8=-2280/1885
WEBS 4-8=-1045/701, 5-8=-315/305, 4-9=-1047/702, 3-9=-314/305

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=676, 6=676.
6) 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=-54, 4-7=-54, 9-10=-20, 8-9=-60(F=-40), 8-13=-20



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6904 Parke East Blvd. Tampa FL 33610
Date:

June 11,2020

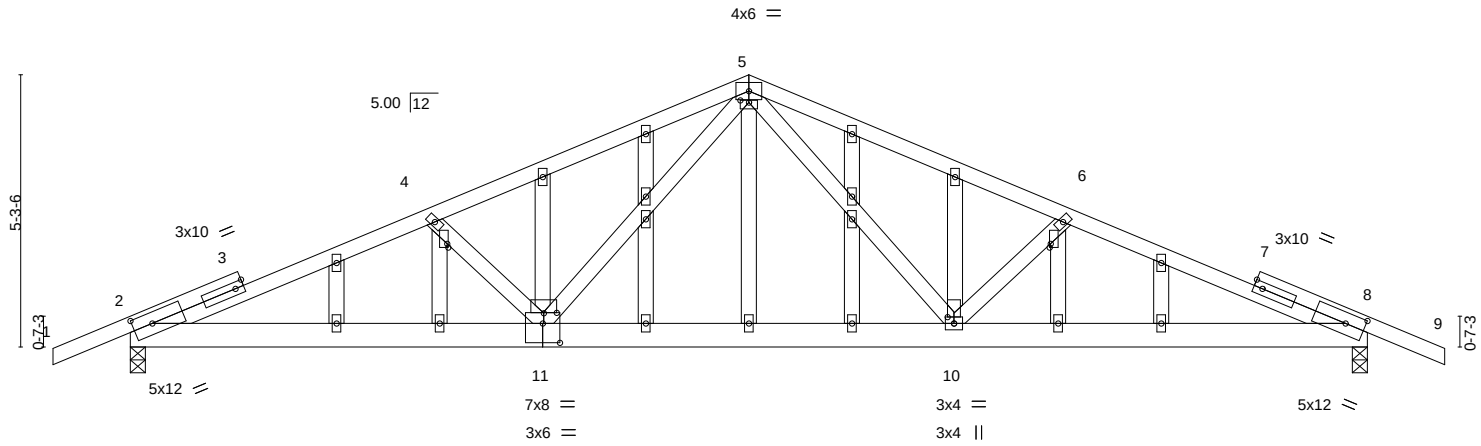
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T01G	GABLE	1	1	T20436938
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:45 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-FQIJMZtqVuiYHNzq0EHIXlUWxwJUbsVbUSsM9Az7QBW

-1-6-0 | 5-10-14 | 12-0-0 | 18-1-2 | 24-0-0 | 25-6-0
1-6-0 | 5-10-14 | 6-1-2 | 6-1-2 | 5-10-14 | 1-6-0

Scale = 1:44.7



8-0-4 | 15-11-12 | 24-0-0
8-0-4 | 7-11-8 | 8-0-4

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

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	0.93	Vert(LL)	0.22	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.20	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 166 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

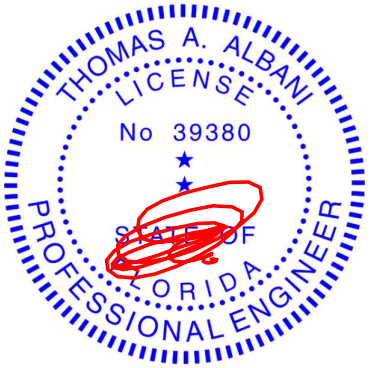
TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-0-7 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=112(LC 12)
Max Uplift 2=-582(LC 8), 8=-582(LC 9)
Max Grav 2=966(LC 1), 8=966(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1791/2235, 4-5=-1581/2109, 5-6=-1579/2106, 6-8=-1791/2235
BOT CHORD 2-11=-1988/1656, 10-11=-1161/1046, 8-10=-2001/1655
WEBS 5-10=-882/556, 6-10=-383/407, 5-11=-883/558, 4-11=-383/407

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=582, 8=582.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 11,2020

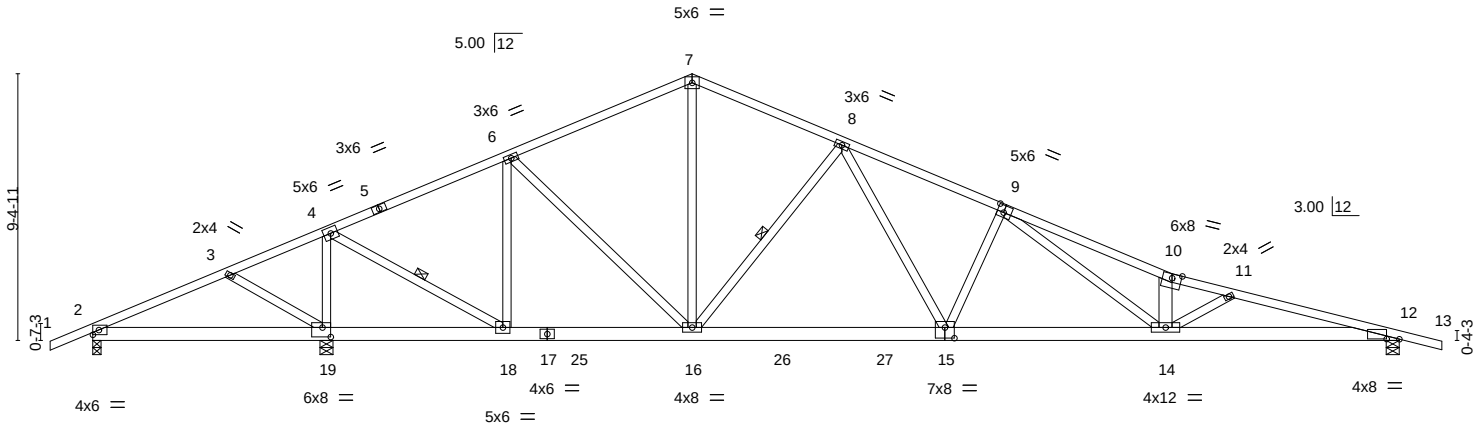
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T02	Roof Special	7	1	T20436939
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:46 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-jcshZvuTGCqPuXY0ayoX4z0ibKW8KGWli6cwicz7QBV

1-6-0	4-10-1	8-2-12	14-7-0	21-1-4	26-4-8	32-0-0	38-0-0	40-0-0	46-0-0	47-6-0
1-6-0	4-10-1	3-4-11	6-4-4	6-6-4	5-3-4	5-7-8	6-0-0	2-0-0	6-0-0	1-6-0

Scale = 1:81.1



8-2-12	14-7-0	21-1-4	30-1-10	38-0-0	46-0-0
8-2-12	6-4-4	6-6-4	9-0-6	7-10-6	8-0-0

Plate Offsets (X,Y)-- [9:0-2-12,0-3-0], [12:0-5-6,0-0-1], [15:0-4-0,0-4-8], [19:0-3-8,0-4-0]

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	0.87	Vert(LL)	0.36	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.59	14-15	>766	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 289 lb	FT = 20%

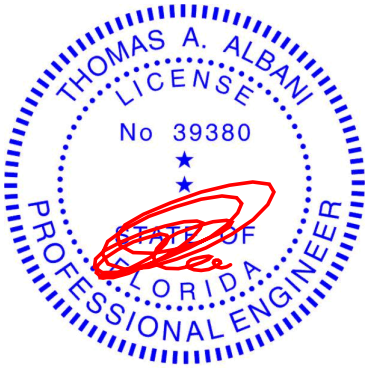
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
10-14: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-18, 8-16

REACTIONS. (size) 2=0-3-8, 19=0-5-8, 12=0-5-8
Max Horz 2=200(LC 16)
Max Uplift 2=-502(LC 24), 19=-873(LC 12), 12=-570(LC 13)
Max Grav 2=199(LC 13), 19=2603(LC 1), 12=1317(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-661/1500, 3-4=-816/1743, 4-6=-512/347, 6-7=-1036/709, 7-8=-1018/717, 8-9=-2179/1281, 9-10=-3996/2186, 10-11=-3874/2059, 11-12=-4106/2202
BOT CHORD 2-19=-1329/752, 18-19=-1574/922, 16-18=-146/500, 15-16=-596/1472, 14-15=-1096/2293, 12-14=-2065/3966
WEBS 3-19=-287/290, 4-19=-2201/1190, 4-18=-1086/2266, 6-18=-1063/641, 6-16=-270/742, 7-16=-300/491, 8-16=-956/642, 8-15=-537/1023, 9-15=-785/571, 9-14=-928/1727, 10-14=-780/511, 11-14=-261/207

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=502, 19=873, 12=570.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

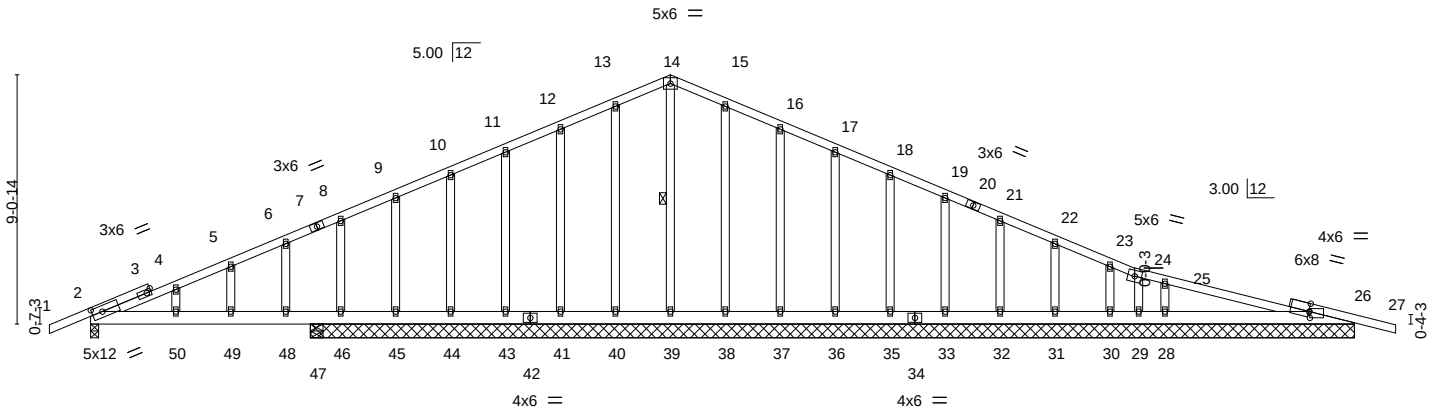
June 11,2020

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T02G	GABLE	1	1	T20436940
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:48 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-f?zR_bwjop478rhPiNq?9O69Q7KhoLg1AQ50mVz7QBT

1-6-0 | 21-1-4 | 38-0-0 | 46-0-0 | 47-6-0
1-6-0 | 21-1-4 | 16-10-12 | 8-0-0 | 1-6-0

Scale = 1:83.9



8-0-0 | 38-0-0 | 46-0-0
8-0-0 | 30-0-0 | 8-0-0

Plate Offsets (X,Y)-- [2:0-4-8,0-2-8], [26:0-0-4,0-2-12], [26:0-0-4,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	0.09	49-50	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.08	49-50	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	26	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 317 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

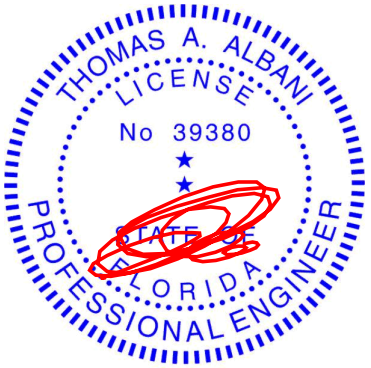
BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 14-39

REACTIONS. All bearings 38-0-0 except (jt=length) 2=0-3-8, 47=0-5-8.
(lb) - Max Horz 46=191(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 40, 41, 43, 44, 38, 37, 36, 35, 33, 32, 31, 30 except 26=-174(LC 9), 2=-189(LC 8), 45=-112(LC 12), 46=-546(LC 1), 28=-334(LC 13), 29=-416(LC 1), 47=-657(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 39, 40, 41, 43, 44, 45, 38, 37, 36, 35, 33, 32, 31, 30, 29 except 26=296(LC 24), 2=334(LC 1), 46=397(LC 8), 28=741(LC 24), 47=998(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-91/259, 13-14=-107/305, 14-15=-107/305, 15-16=-91/259
WEBS 25-28=-429/367

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
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) 40, 41, 43, 44, 38, 37, 36, 35, 33, 32, 31, 30 except (jt=lb) 26=174, 2=189, 45=112, 46=546, 28=334, 29=416, 47=657.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

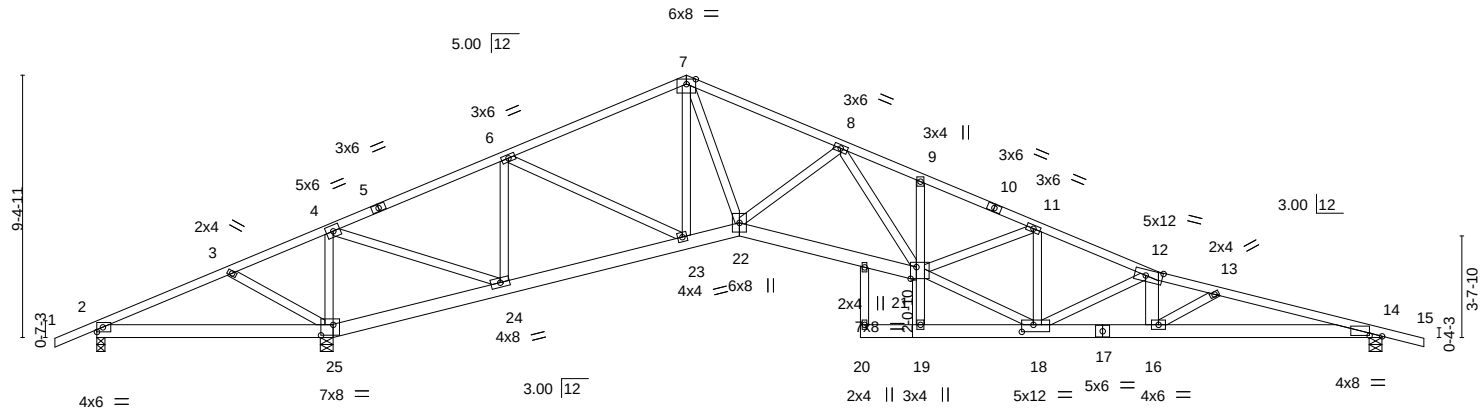
June 11,2020

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T03	Roof Special	4	1	T20436941
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:50 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-bN5CPHxzKRKqN8rnposTEpBO1xurG2_Kdka7rNz7QBR

1-6-0	4-10-1	8-5-8	14-7-0	21-1-4	26-7-8	29-4-0	33-8-0	38-0-0	40-0-0	46-0-0	47-6-0
1-6-0	4-10-1	3-7-7	6-1-8	6-6-4	5-6-4	2-8-8	4-4-0	4-4-0	2-0-0	6-0-0	1-6-0

Scale = 1:82.5



8-2-12	8-5-8	14-7-0	21-1-4	23-0-0	27-4-0	29-4-0	33-8-0	38-0-0	46-0-0
8-2-12	0-2-12	6-1-8	6-6-4	1-10-12	4-4-0	2-0-0	4-4-0	4-4-0	8-0-0

Plate Offsets (X,Y)-- [12:0-7-4,0-2-8], [14:0-5-6,0-0-5], [18:0-5-0,0-3-0], [21:0-2-8,0-5-0], [25:0-5-4,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.85	Vert(LL)	0.33	18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.59	20	>767	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.15	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 302 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 9-19: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except* 12-16: 2x6 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-6-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-6-7 oc bracing. Except: 10-0-0 oc bracing: 19-21

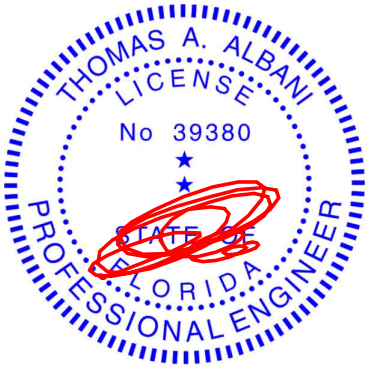
REACTIONS. (size) 2=0-3-8, 25=0-5-8, 14=0-5-8
Max Horz 2=200(LC 16)
Max Uplift 2=-754(LC 24), 25=-954(LC 12), 14=-543(LC 13)
Max Grav 2=266(LC 13), 25=3015(LC 1), 14=1255(LC 1)

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

TOP CHORD	2-3=-934/2260, 3-4=-1118/2547, 4-6=-285/251, 6-7=-1211/669, 7-8=-1730/900, 8-9=-2910/1560, 9-11=-2948/1506, 11-12=-2581/1398, 12-13=-3628/1905, 13-14=-3867/2058
BOT CHORD	2-25=-2020/925, 24-25=-2497/1297, 23-24=-235/388, 22-23=-170/1071, 21-22=-875/2287, 16-18=-1744/3537, 14-16=-1925/3734
WEBS	3-25=-346/328, 4-25=-2018/1028, 4-24=-1111/2526, 6-24=-1328/711, 6-23=-401/1173, 7-23=-616/252, 7-22=-632/1480, 8-22=-893/608, 8-21=-493/900, 18-21=-1203/2566, 11-21=-19/342, 11-18=-535/265, 12-18=-1295/690, 12-16=-86/328, 13-16=-271/221

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=754, 25=954, 14=543.



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

June 11,2020

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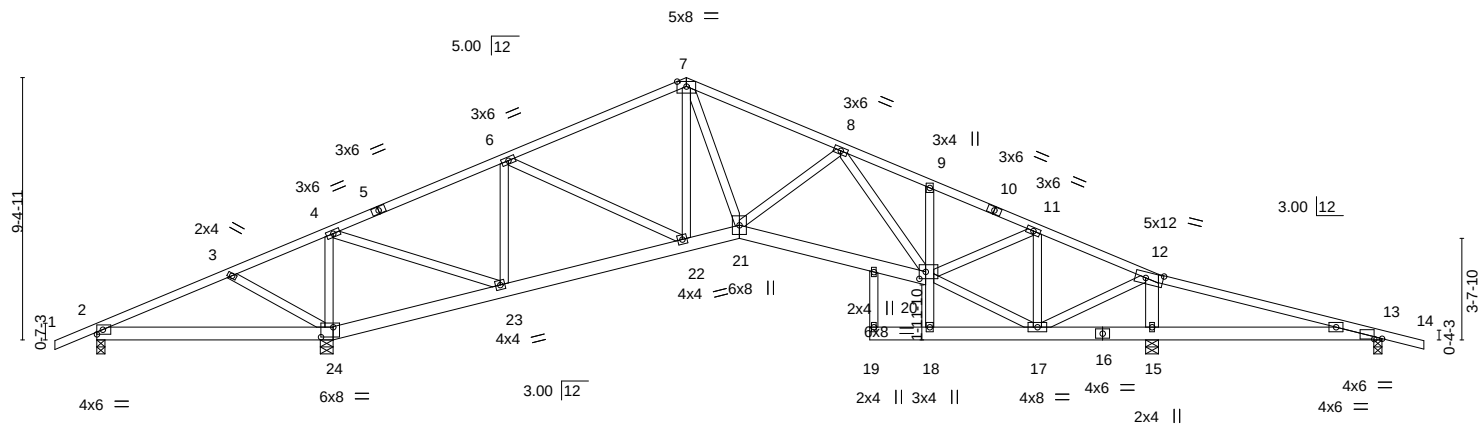
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T04	Roof Special	3	1	T20436942
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:52 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-XmDyqzzDs2bYdS?AxDvxJEGo7liZk2xd523EvGz7QBP

1-6-0	4-10-1	8-5-8	14-7-0	21-1-4	26-7-8	29-8-0	33-8-0	38-0-0	46-0-0	47-6-0
1-6-0	4-10-1	3-7-7	6-1-8	6-6-4	5-6-4	3-0-8	4-0-0	4-4-0	8-0-0	1-6-0

Scale = 1:82.5



8-2-12	8-5-8	14-7-0	21-1-4	23-0-0	27-8-0	29-8-0	33-8-0	37-9-4	38-0-0	46-0-0
8-2-12	0-2-12	6-1-8	6-6-4	1-10-12	4-8-0	2-0-0	4-0-0	4-1-4	0-2-12	8-0-0

Plate Offsets (X,Y)-- [12:0-7-8,0-2-8], [13:0-3-6,0-0-3], [20:0-2-12,0-3-0], [24:0-5-4,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.10	15-30	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.16	20-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.08	15	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 298 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 9-18: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except* 12-15: 2x6 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-6-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 18-20

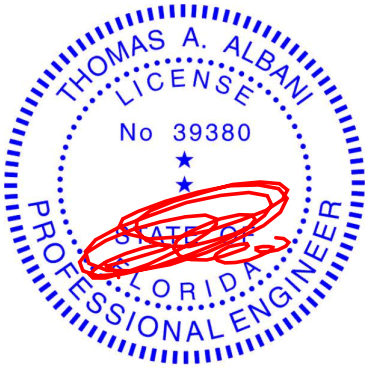
REACTIONS. All bearings 0-3-8 except (jt=length) 24=0-5-8, 15=0-5-8.
(lb) - Max Horz 2=200(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-187(LC 8), 24=-685(LC 12), 15=-616(LC 13), 13=-261(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 2, 13 except 24=1763(LC 1), 15=1608(LC 1)

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

TOP CHORD	2-3=-165/531, 3-4=-279/775, 4-6=-742/470, 6-7=-1141/622, 7-8=-1418/722, 8-9=-1454/774, 9-11=-1469/712, 11-12=-604/324, 12-13=-312/749
BOT CHORD	2-24=-439/292, 23-24=-769/408, 22-23=-199/667, 21-22=-135/1010, 20-21=-420/1454, 15-17=-837/464, 13-15=-686/382
WEBS	3-24=-276/292, 4-24=-1267/632, 4-23=-537/1436, 6-23=-696/378, 6-22=-45/417, 7-21=-267/810, 8-21=-260/291, 17-20=-109/559, 11-20=-303/886, 11-17=-928/466, 12-17=-620/1482, 12-15=-1306/708

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 2, 685 lb uplift at joint 24, 616 lb uplift at joint 15 and 261 lb uplift at joint 13.



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June 11,2020

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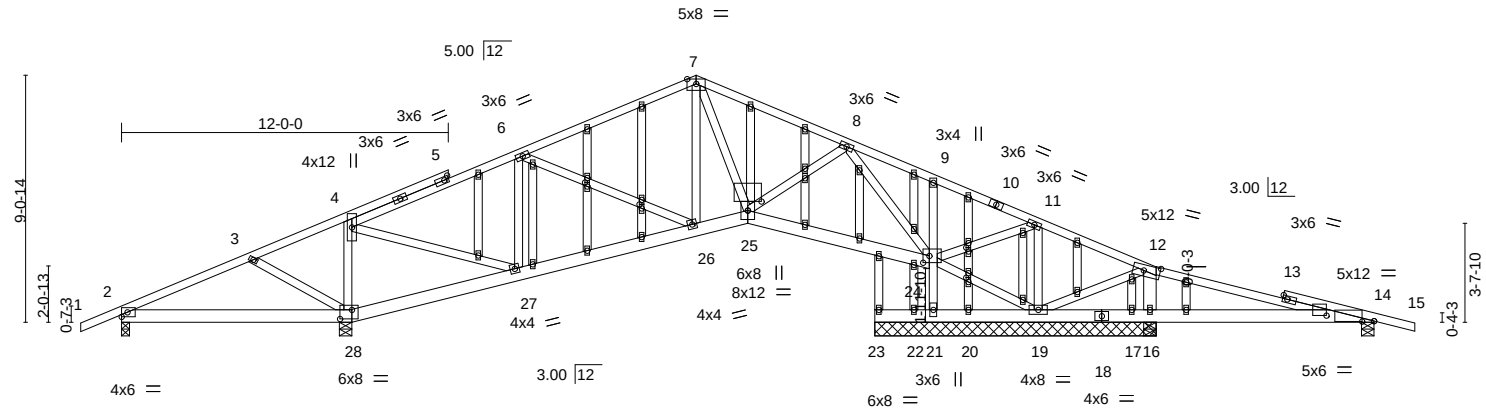
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T04G	GABLE	1	1	T20436943
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:55 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-yLu5S_?68zz7UvklcLSexsuLBykMxOE3n0HuWbz7QBM

1-6-0	4-10-1	8-5-8	14-7-0	21-1-4	26-7-8	29-8-0	33-8-0	38-0-0	46-0-0	47-6-0
1-6-0	4-10-1	3-7-7	6-1-8	6-6-4	5-6-4	3-0-8	4-0-0	4-4-0	8-0-0	1-6-0

Scale = 1:84.6



8-2-12	8-5-8	14-7-0	21-1-4	23-0-0	27-8-0	29-8-0	33-8-0	38-0-0	46-0-0
8-2-12	0-2-12	6-1-8	6-6-4	1-10-12	4-8-0	2-0-0	4-0-0	4-4-0	8-0-0

Plate Offsets (X,Y)-- [5:0-2-0,0-1-8], [12:0-7-4,0-2-8], [14:1-9-0,0-2-7], [14:0-5-4,0-0-3], [24:0-2-12,0-3-0], [25:0-6-0,0-4-0], [28:0-5-4,0-4-0], [30:0-1-13,0-1-0], [33:0-1-13,0-1-0], [50:0-1-11,0-1-0], [51:0-1-15,0-1-0]

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	0.43	Vert(LL)	0.08	28-65	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.09	28-65	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.03	21	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 362 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 9-21: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except* 12-16: 2x6 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 5-6-0 oc bracing: 21-24

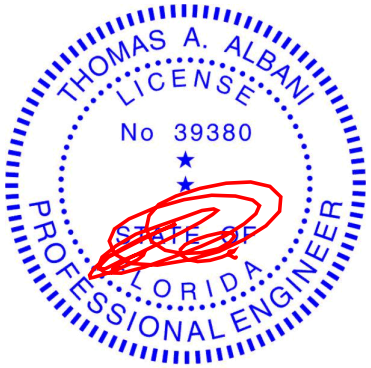
REACTIONS. All bearings 10-4-0 except (jt=length) 14=0-5-8, 2=0-3-8, 28=0-5-8.
(lb) - Max Horz 2=193(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) except 14=-272(LC 9), 2=-228(LC 8), 28=-555(LC 12), 21=-285(LC 13), 19=-199(LC 13), 16=-791(LC 9), 17=-494(LC 24)
Max Grav All reactions 250 lb or less at joint(s) 23, 22, 20 except 14=311(LC 24), 2=299(LC 23), 28=1218(LC 1), 21=992(LC 1), 19=326(LC 24), 16=959(LC 24), 16=928(LC 1), 17=467(LC 9)

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

TOP CHORD	3-4=-171/291, 4-6=-695/444, 6-7=-694/415, 7-8=-705/393, 8-9=-48/382, 9-11=-101/379, 11-12=-69/273
BOT CHORD	27-28=-276/250, 26-27=-195/633, 25-26=-38/595, 24-25=0/329, 21-24=-968/475
WEBS	3-28=-283/299, 4-28=-852/447, 4-27=-326/895, 6-27=-371/243, 8-25=-59/374, 8-24=-1059/473, 12-16=-251/244

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
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 272 lb uplift at joint 14, 228 lb uplift at joint 2, 555 lb uplift at joint 28, 285 lb uplift at joint 21, 199 lb uplift at joint 19, 791 lb uplift at joint 16 and 494 lb uplift at joint 17.



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Date:

June 11,2020

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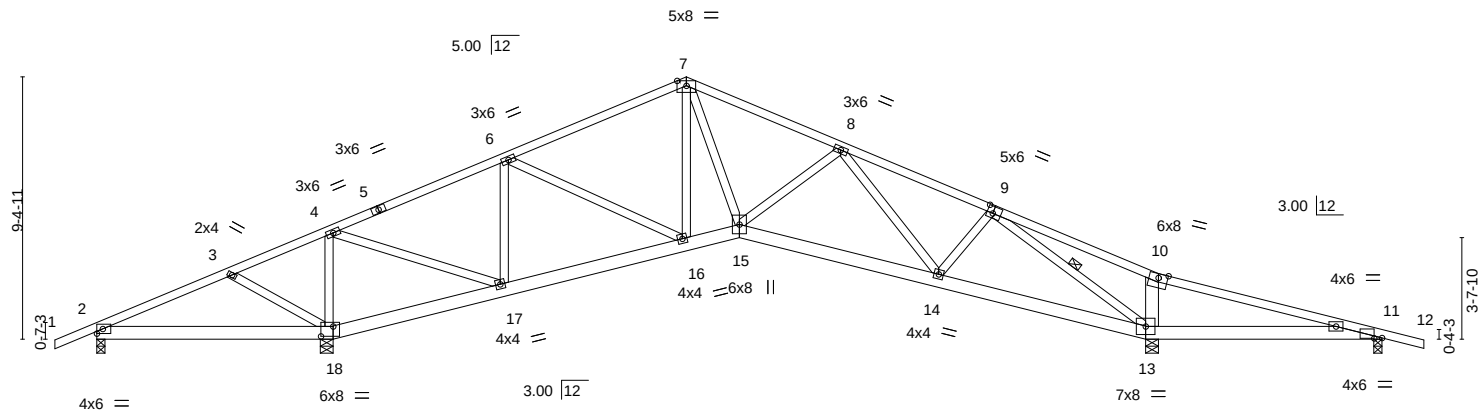
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T05	Roof Special	7	1	T20436944
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:56 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-QXSTfK0kvH5_53IxA2ztU4RVkM4OgrWD0f1S21z7QBL

1-6-0	4-10-1	8-5-8	14-7-0	21-1-4	26-7-8	32-0-0	37-6-8	38-0-0	46-0-0	47-6-0
1-6-0	4-10-1	3-7-7	6-1-8	6-6-3	5-6-5	5-4-8	5-6-8	0-5-8	8-0-0	1-6-0

Scale = 1:82.5



8-2-12	8-5-8	14-7-0	21-1-4	23-0-0	30-1-10	37-6-8	37-9-4	46-0-0
8-2-12	0-2-12	6-1-8	6-6-3	1-10-12	7-1-10	7-4-14	0-2-12	8-2-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	0.14	13-23	>752	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.17	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.09	13	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 275 lb	FT = 20%

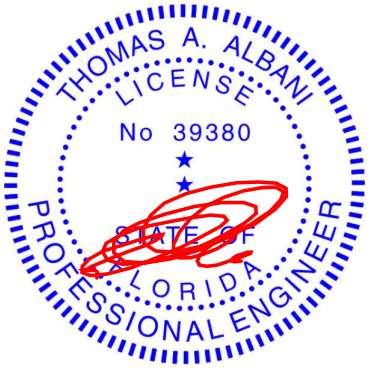
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
10-13: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-13

REACTIONS. All bearings 0-3-8 except (jt=length) 18=0-5-8, 13=0-5-8.
(lb) - Max Horz 2=200(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-180(LC 8), 18=-698(LC 12), 13=-602(LC 13), 11=-282(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 2 except 18=1785(LC 1), 13=1472(LC 1), 11=273(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-179/570, 3-4=-294/815, 4-6=-717/464, 6-7=-1125/631, 7-8=-1405/746, 8-9=-1418/755, 9-10=-195/568, 10-11=-230/467
BOT CHORD 2-18=-475/307, 17-18=-809/429, 16-17=-197/643, 15-16=-141/995, 14-15=-452/1441, 13-14=-385/1122, 11-13=-410/304
WEBS 3-18=-278/293, 4-18=-1277/649, 4-17=-561/1452, 6-17=-705/392, 6-16=-54/424, 7-15=-306/812, 8-15=-258/298, 9-14=-2/349, 9-13=-1990/953, 10-13=-266/282

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 180 lb uplift at joint 2, 698 lb uplift at joint 18, 602 lb uplift at joint 13 and 282 lb uplift at joint 11.



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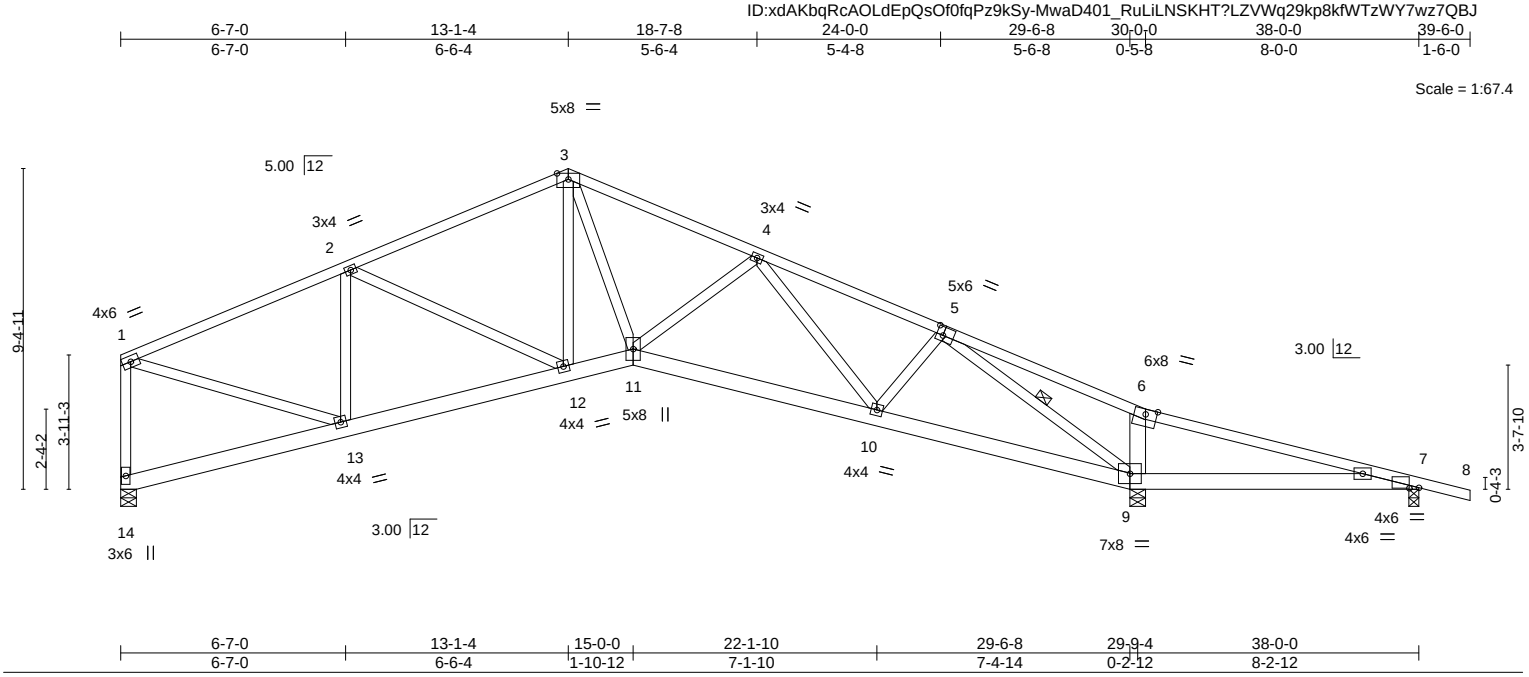
Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T06	Roof Special	1	1	T20436945
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:58 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-MwaD401_RuLiLNSKHT?LZVWq29kp8kfWTzWY7wz7QBJ



6-7-0	13-1-4	15-0-0	22-1-10	29-6-8	29-9-4	38-0-0
6-7-0	6-6-4	1-10-12	7-1-10	7-4-14	0-2-12	8-2-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	0.14	9-16	>751	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.20	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 236 lb	FT = 20%

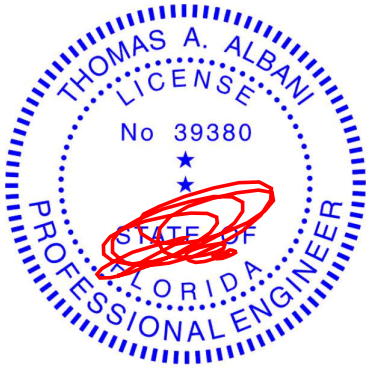
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
6-9: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-9

REACTIONS. (size) 14=0-5-8, 9=0-5-8, 7=0-3-8
Max Horz 14=-306(LC 13)
Max Uplift 14=-376(LC 12), 9=-622(LC 13), 7=-280(LC 9)
Max Grav 14=1040(LC 1), 9=1609(LC 1), 7=259(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1300/637, 2-3=-1452/730, 3-4=-1769/859, 4-5=-1641/818, 5-6=-221/644, 6-7=-256/543, 1-14=-985/521
BOT CHORD 13-14=-73/312, 12-13=-385/1199, 11-12=-245/1305, 10-11=-542/1730, 9-10=-433/1280, 7-9=-484/328
WEBS 2-13=-509/337, 3-11=-343/920, 4-11=-204/288, 4-10=-347/152, 5-10=-31/405, 5-9=-2279/1044, 1-13=-521/1178, 6-9=-259/278

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 376 lb uplift at joint 14, 622 lb uplift at joint 9 and 280 lb uplift at joint 7.



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June 11,2020

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - PONDER RES.
2365612	T07	Monopitch	1	1	T20436946
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jun 11 07:52:58 2020 Page 1
ID:xdAKbqRcAOLdEpQsOf0fqPz9kSy-MwaD401_RuLiLNSKHT?LZVWo39gg8uEWTzWY7wz7QBJ

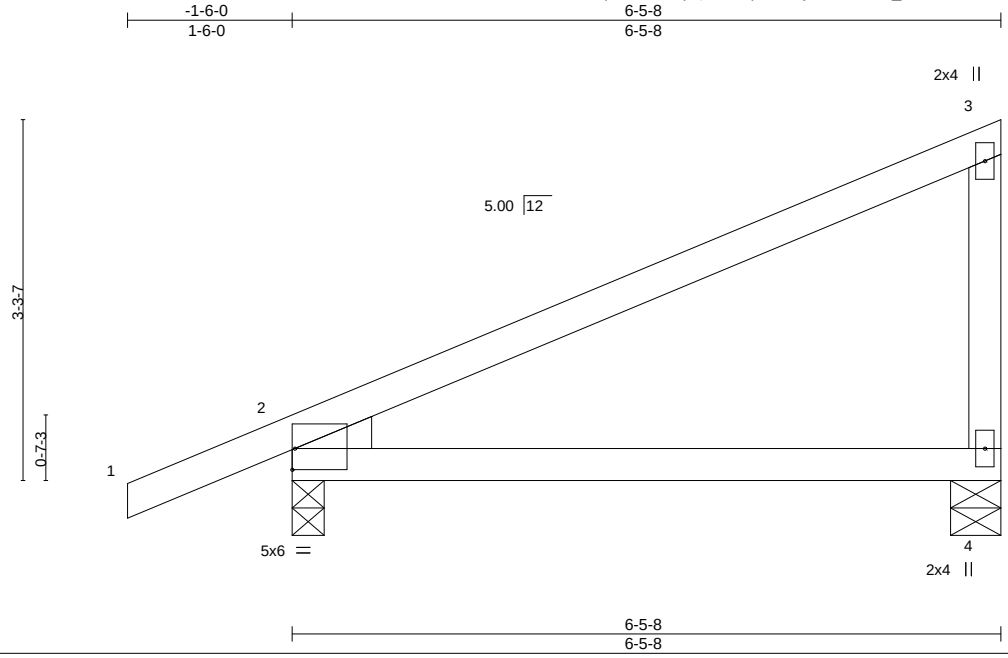


Plate Offsets (X,Y)-- [2:0-0-2,0-0-1], [2:0-5-14,0-0-2], [2:Edge,0-2-5]

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	0.65	Vert(LL)	0.24	4-7	>312	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	0.21	4-7	>358	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 28 lb	FT = 20%

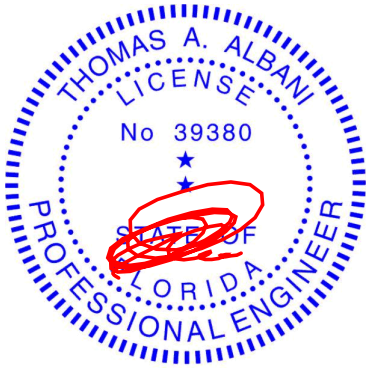
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

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) 4=0-5-8, 2=0-3-8
Max Horz 2=154(LC 12)
Max Uplift 4=-154(LC 8), 2=-187(LC 8)
Max Grav 4=224(LC 1), 2=324(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 4 and 187 lb uplift at joint 2.



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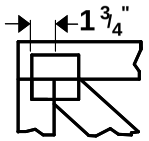
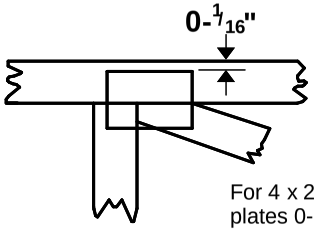
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

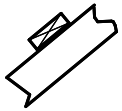
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

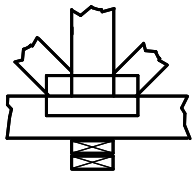
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

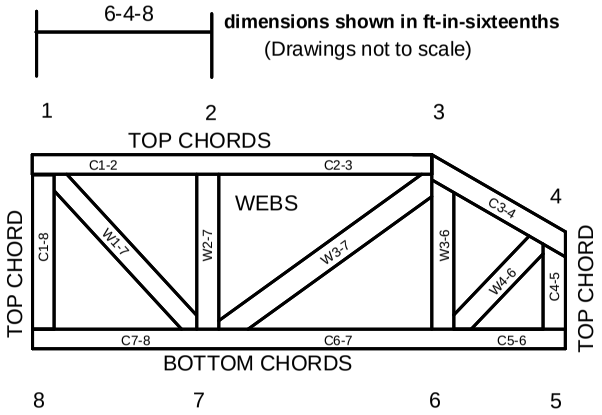


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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