



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

RE: Evans - Evans

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: SCCI Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: FL

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

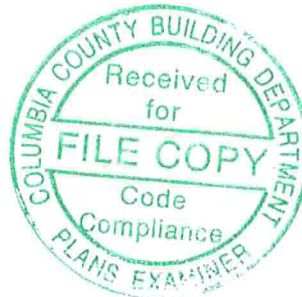
Name: License #:
Address:
City: State:

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

Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 12 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	T21316450	CJ01	9/16/20
2	T21316451	H01	9/16/20
3	T21316452	J01	9/16/20
4	T21316453	J02	9/16/20
5	T21316454	J03	9/16/20
6	T21316455	J04	9/16/20
7	T21316456	T01	9/16/20
8	T21316457	T02	9/16/20
9	T21316458	T03	9/16/20
10	T21316459	T04	9/16/20
11	T21316460	T05	9/16/20
12	T21316461	T06	9/16/20

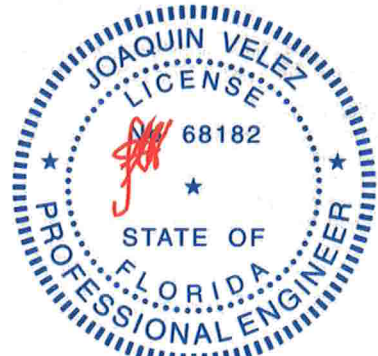


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Reviewed

My license renewal date for the state of Florida is February 28, 2021.

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



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 16, 2020

Reviewed

1 of 1

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Job EVANS	Truss H01	Truss Type Hip Girder	Qty 1	Ply 2	Evans	T21316451
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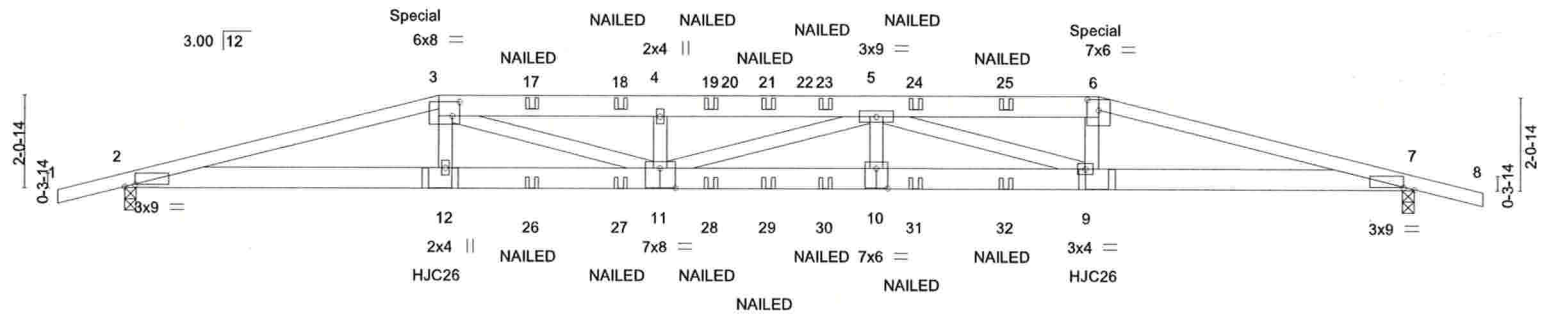
Mayo Truss Company, Inc., Mayo, FL - 32066.

8.420 s Aug 25 2020 MiTek Industries, Inc. Wed Sep 16 09:57:26 2020 Page 1

ID: LQdYVafHUysydlga4Oy3bQMylOQq-rWl228bbEmLDPPHQvOUAvdlnJkF8tUN3s4Olyd5Ad

-1-6-0 1-6-0	7-0-0 7-0-0	11-11-4 4-11-4	16-8-12 4-9-8	21-8-0 4-11-4	28-8-0 7-0-0	30-2-0 1-6-0
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Scale = 1:51.6



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

7-0-0 7-0-0	11-11-4 4-11-4	16-8-12 4-9-8	21-8-0 4-11-4	28-8-0 7-0-0
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Plate Offsets (X,Y)-- [2:0-2-12,0-0-10], [3:0-2-0,0-3-12], [6:0-3-0,0-2-14], [7:0-2-12,0-0-10], [11:0-3-0,0-5-4], [11:0-4-0,0-5-4]

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 0.65	Vert(LL)	-0.40 10-11	>853	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.80 10-11	>424	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.36	Horz(CT)	0.11 7	n/a	n/a		
BCDL 10.0	Code FBC2017/TP12014		Matrix-MS					Weight: 310 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

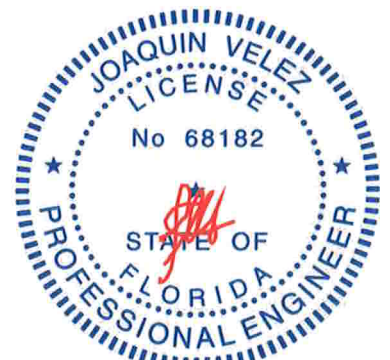
REACTIONS. (size) 2=0-3-0, 7=0-3-0
Max Horz 2=26(LC 21)
Max Uplift 2=350(LC 8), 7=350(LC 8)
Max Grav 2=2437(LC 1), 7=2437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-8614/984, 3-4=-11296/1270, 4-5=-11290/1268, 5-6=-8420/973, 6-7=-8571/978
BOT CHORD 2-12=-887/8318, 11-12=-889/8373, 10-11=-1210/11440, 9-10=-1210/11440,
7-9=-881/8276
WEBS 3-12=-26/639, 3-11=-315/3217, 4-11=-775/244, 5-10=0/429, 5-9=-3319/337,
6-9=-126/1609

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 0-2-0 oc, Except member 11-3 2x4 - 1 row at 0-9-0 oc, member 4-11 2x4 - 1 row at 0-9-0 oc, member 11-5 2x4 - 1 row at 0-9-0 oc, member 5-10 2x4 - 1 row at 0-9-0 oc, member 9-5 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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 2=350, 7=350.
- Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 14-7-4 oc max. starting at 7-0-6 from the left end to 21-7-10 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.
- "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.

Continued on page 2



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Date:

September 16,2020

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 EVANS	Truss J01	Truss Type Jack-Open	Qty 9	Ply 1	Evans	T21316452
Job Reference (optional)						

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

8.420 s Aug 25 2020 MiTek Industries, Inc. Wed Sep 16 09:57:27 2020 Page 1
ID:LQdYVafHUsydlga4Oy3bQMyiOQq-KjsQFUCe79uCqZ_T_cvj79Ubj5CtPfcjbdwkyd5Ac



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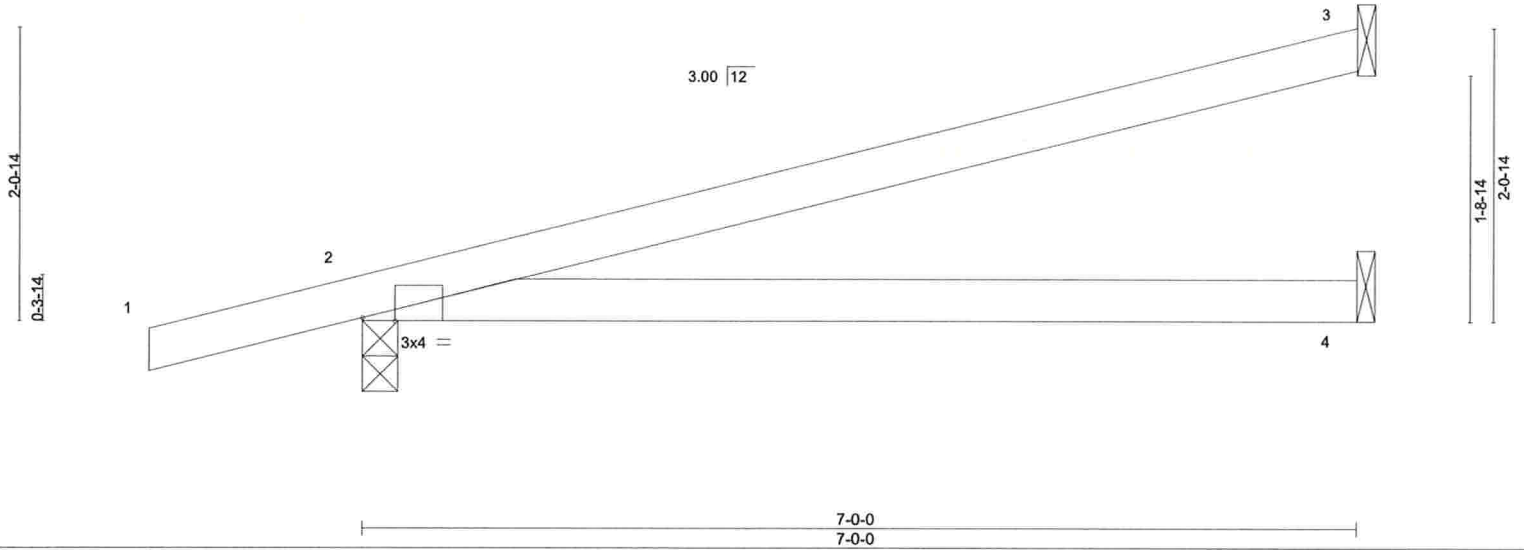


Plate Offsets (X,Y)-- [2:0-2-12,Edge]

LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.58		Vert(LL)	0.11	4-7	>743	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.47		Vert(CT)	-0.21	4-7	>401	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 24 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=82(LC 12)
Max Uplift 3=-62(LC 12), 2=-102(LC 12)
Max Grav 3=183(LC 1), 2=377(LC 1), 4=121(LC 3)

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=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=102.
- 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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September 16,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Evans	T21316454
EVANS	J03	Jack-Open	4	1		

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

8.420 s Aug 25 2020 MiTek Industries, Inc. Wed Sep 16 09:57:30 2020 Page 1
ID:LQdYVafHUsydlga4Oy3bQMylOQq-kIYZtWe6I4Hmh1I2fSQKln6qxDF4mP4lhqHX3yd5AZ

-1-6-0
1-6-0

3-0-0
3-0-0

Scale = 1:8.9

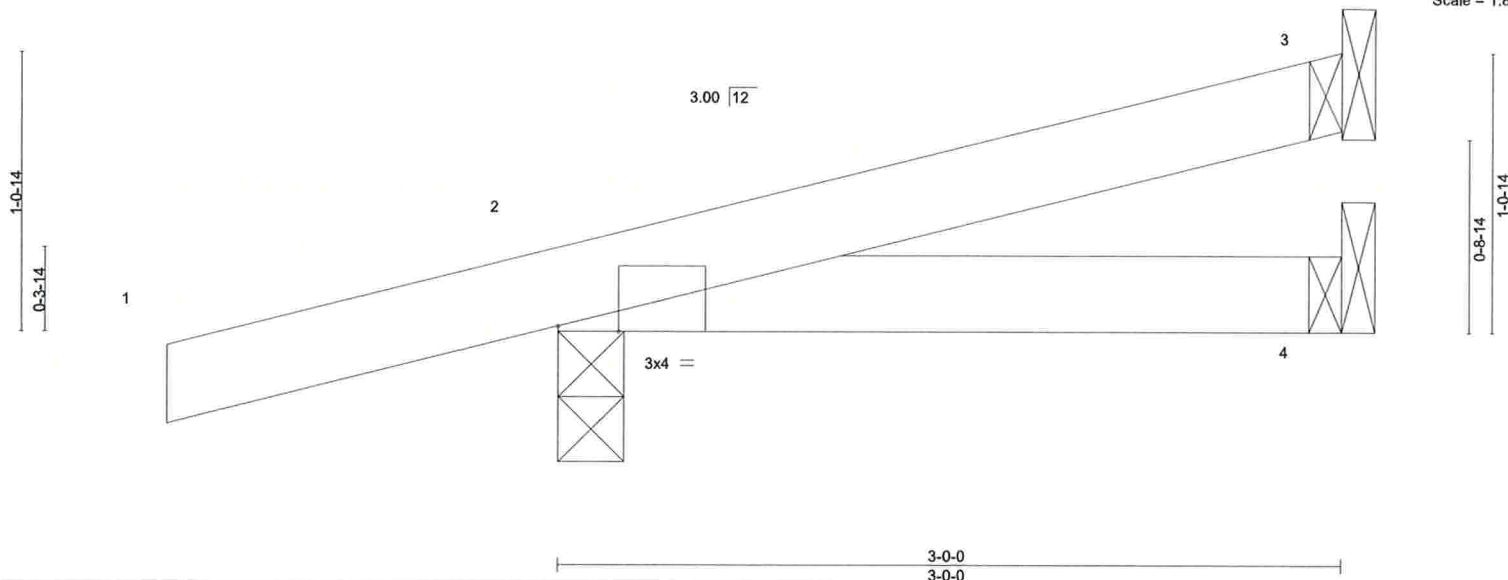


Plate Offsets (X,Y)-- [2:0-2-12,Edge]

LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC	0.14	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	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 FBC2017/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.

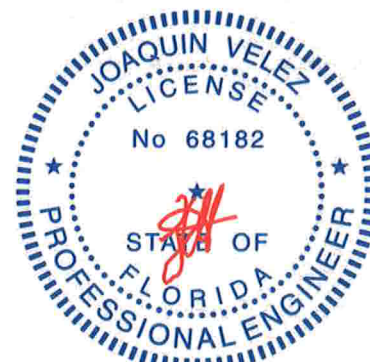
(size) 3=Mechanical, 2=0-3-0, 4=Mechanical
Max Horz 2=46(LC 12)
Max Uplift 3=-15(LC 12), 2=-94(LC 12)
Max Grav 3=62(LC 1), 2=230(LC 1), 4=48(LC 3)

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=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) Refer to girder(s) for truss to truss connections.
- 5) 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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6904 Parke East Blvd. Tampa FL 33610
Date:

September 16,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job EVANS	Truss T01	Truss Type ROOF SPECIAL STRUCTU	Qty 1	Ply 1	Evans	T21316456
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.410 s May 22 2020 MiTek Industries, Inc. Wed Sep 16 11:34:16 2020 Page 1
ID:LQdYVafHUydlga4Oy3bQMyiOQq-7qS75xqekiSBEHkmuV5Tdi93JB4syRHnavC0yCyd4e5

8-3-14 8-3-14 19-7-3 11-3-4 34-4-0 14-8-13

Scale: 3/16"=1'

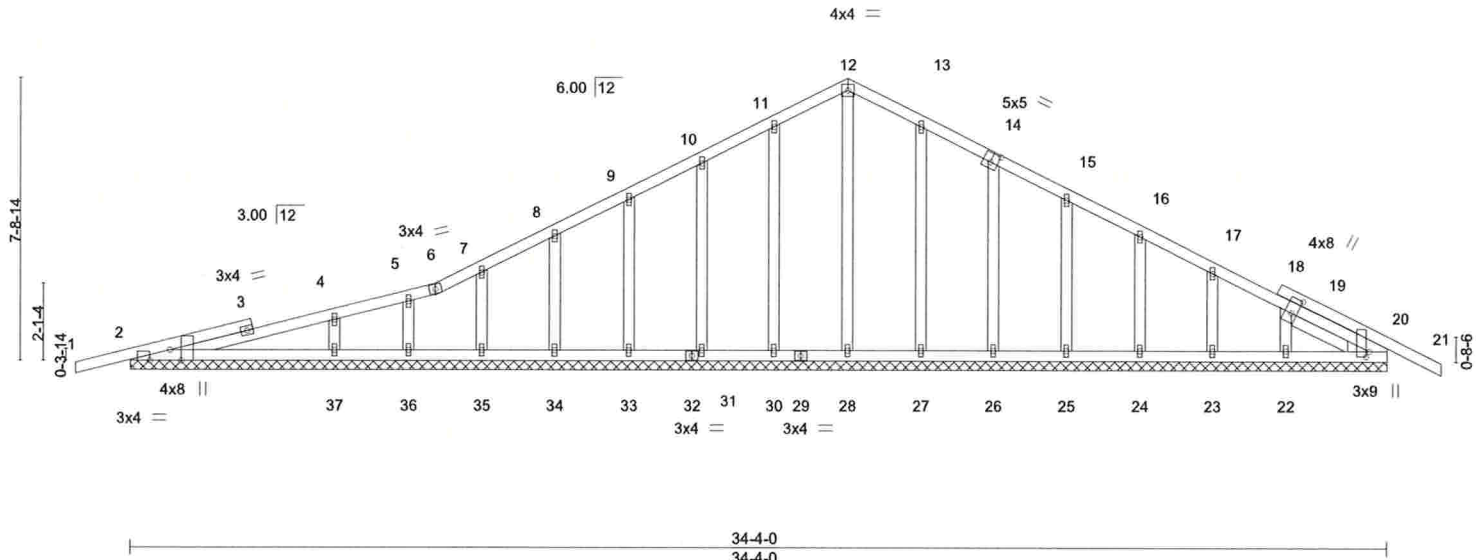


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-6-12,Edge], [14:0-2-8,0-3-0], [19:0-5-0,0-1-13], [20:0-1-12,0-1-0]

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 0.32	Vert(LL)	-0.01	21	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.22	Vert(CT)	-0.01	21	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(CT)	0.01	20	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 203 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
WEDGE
Right: 2x4 SP No.2

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

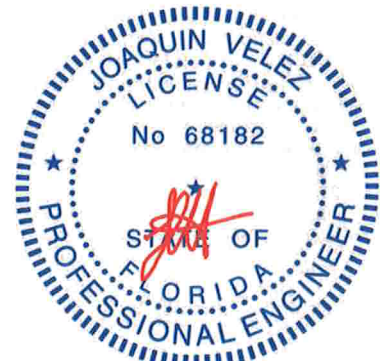
REACTIONS. All bearings 34-4-0.
(lb) - Max Horz 2=196(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 30, 31, 33, 34, 35, 36, 37, 27, 26, 25, 24, 23, 22, 20
Max Grav All reactions 250 lb or less at joint(s) 28, 30, 31, 33, 34, 35, 36, 27, 26, 25, 24, 23, 22, 20
except 2=291(LC 1), 37=415(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-85/266, 12-13=-85/266
WEBS 4-37=-297/193

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=34ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- 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) 2, 30, 31, 33, 34, 35, 36, 37, 27, 26, 25, 24, 23, 22, 20.

LOAD CASE(S) Standard



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September 16,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Evans	T21316458
EVANS	T03	Roof Special Structural Gable	1	1		

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

8.420 s Aug 25 2020 MiTek Industries, Inc. Wed Sep 16 09:57:35 2020 Page 1

ID: LQdYVafHUsydlga4Oy3bQMylOQq-5FLSxDIF7cv3oob0SI2b1pVspyqwo4pSzX2CHyd5AU

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1-6-0	4-7-13	3-6-13	7-3-5	4-1-3	7-2-11	7-6-3	1-6-0

Scale = 1:60.8

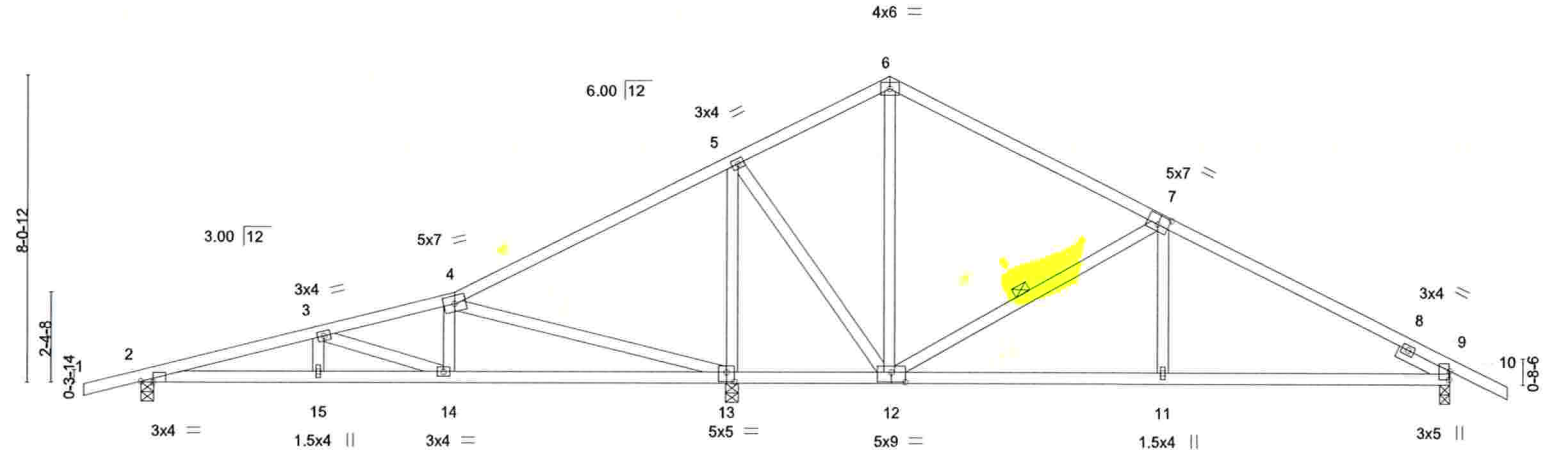


Plate Offsets (X,Y)--	4-7-13	8-2-11	15-6-0	19-7-3	26-9-13	34-4-0
	4-7-13	3-6-13	7-3-5	4-1-3	7-2-11	7-6-3

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 0.57	Vert(LL)	-0.07 13-14	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.48	Vert(CT)	-0.14 13-14	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.93	Horz(CT)	0.01 13	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS					Weight: 181 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-12

REACTIONS. (size) 2=0-4-0, 13=0-4-0, 9=0-3-0
Max Horz 2=202(LC 11)
Max Uplift 2=-128(LC 12), 13=-236(LC 12), 9=-153(LC 12)
Max Grav 2=477(LC 21), 13=1809(LC 1), 9=721(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-821/304, 3-4=-342/159, 4-5=-163/793, 7-9=-828/286
BOT CHORD 2-15=-212/780, 14-15=-212/780, 13-14=-60/303, 12-13=-582/354, 11-12=-110/674,
9-11=-109/677
WEBS 3-14=-495/190, 4-14=0/367, 4-13=-908/417, 5-13=-1429/553, 5-12=-194/934,
6-12=-311/44, 7-12=-714/369, 7-11=0/315

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 2=128, 13=236, 9=153.
- 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.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 16,2020

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	Evans	T21316460
EVANS	T05	Roof Special	8	1		
Job Reference (optional)						

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

8.420 s Aug 25 2020 MiTek Industries, Inc. Wed Sep 16 09:57:36 2020 Page 1

ID: LQdYVafHUsydlga4Oy3bQMylOQq-ZSvq8Zjtww1wPyAC0?Zqa01ybL6jUKGyhdHckjyd5AT

-1-6-0	4-7-13	8-2-11	15-8-0	19-7-3	24-10-0	29-5-4	34-4-0	35-10-0
1-6-0	4-7-13	3-6-13	7-5-5	3-11-3	5-2-13	4-7-4	4-10-12	1-6-0

Scale = 1:61.8

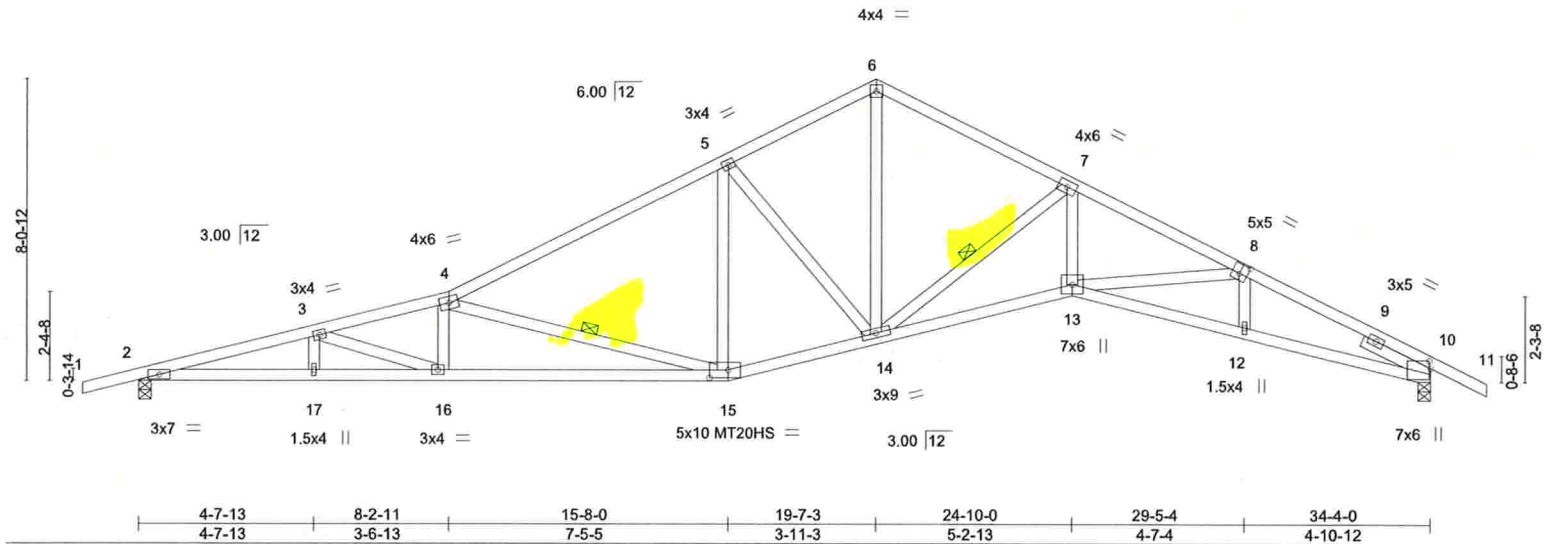


Plate Offsets (X,Y)-- [8:0-2-8,0-3-0], [10:0-2-7,0-0-6], [15:0-6-0,0-2-8]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.89	Vert(LL)	-0.37 15-16	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.77	Vert(CT)	-0.82 15-16	>504	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.62	Horz(CT)	0.33 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TP12014		Matrix-AS					Weight: 185 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
8-11: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
2-15: 2x4 SP No.1, 10-13: 2x4 SP SS
WEBS 2x4 SP No.2
SLIDER Right 2x4 SP No.2 -1 2-0-0

BRACING-

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

REACTIONS.

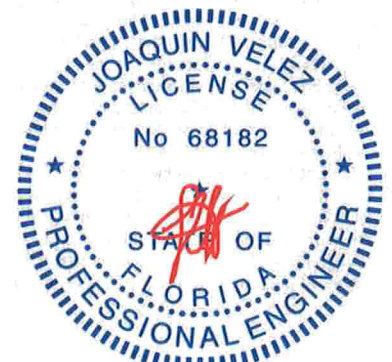
(size) 2=0-4-0, 10=0-4-0
Max Horz 2=202(LC 11)
Max Uplift 2=-259(LC 12), 10=-259(LC 12)
Max Grav 2=1463(LC 1), 10=1463(LC 1)

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

TOP CHORD 2-3=-4639/1599, 3-4=-4322/1503, 4-5=-2398/882, 5-6=-1986/814, 6-7=-1991/790,
7-8=-3773/1256, 8-10=-3659/1225
BOT CHORD 2-17=-1465/4477, 16-17=-1465/4477, 15-16=-1355/4167, 14-15=-584/2142,
13-14=-938/3475, 12-13=-1001/3287, 10-12=-982/3231
WEBS 3-16=-333/137, 4-16=0/353, 4-15=-2183/836, 5-15=-26/296, 5-14=-597/343,
6-14=-560/1488, 7-14=-2102/716, 7-13=-427/1751

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are MT20 plates 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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=259, 10=259.
- 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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September 16,2020

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

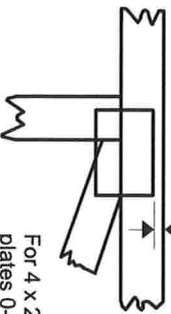
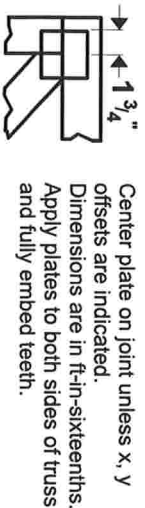
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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



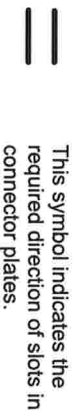
6904 Parke East Blvd.
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.



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

PLATE SIZE

4 X 4

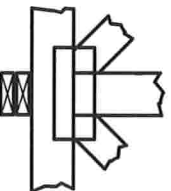
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

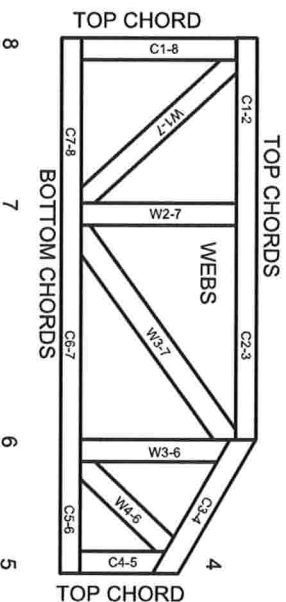


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

- ANSI/TP11: 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/TP1 1 section 6.3 These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: MIL-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 1 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.



Gmail

Mary Ann Crawford <maryann@stanleycrawfordconstruction.com>

Message from KM_C250i

MANDY RHODEN <fordseptic@yahoo.com>

Wed, Sep 16, 2020 at 3:25 PM

To: Mary Ann Crawford <mac@scci83.com>

The cost for those jobs are:

Waters job - \$ 2450.00

Cook job- \$ 9650.00

Thank You!

Mandy

[Quoted text hidden]