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

RE: 1142756 - Housecraft - Lot 24 Laurel Lake

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

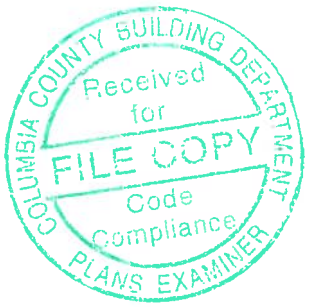
Site Information:
Customer Info: Housecraft Homes Project Name: 1142756 Model: Spec Hse
Lot/Block: 24 Subdivision: Laurel Lakes
Address:
City: Columbia Cty State: FL

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2014/TPI2007 Design Program: MiTek 20/20 7.6
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 45 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.

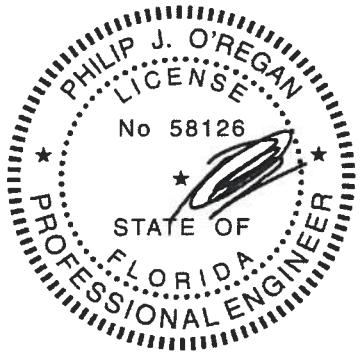
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T11682536	CJ01	7/26/17	18	T11682553	T07	7/26/17
2	T11682537	CJ02	7/26/17	19	T11682554	T08	7/26/17
3	T11682538	CJ03	7/26/17	20	T11682555	T09	7/26/17
4	T11682539	EJ01	7/26/17	21	T11682556	T10	7/26/17
5	T11682540	EJ02	7/26/17	22	T11682557	T11	7/26/17
6	T11682541	HJ01	7/26/17	23	T11682558	T12	7/26/17
7	T11682542	HJ02	7/26/17	24	T11682559	T13	7/26/17
8	T11682543	HJ03	7/26/17	25	T11682560	T14	7/26/17
9	T11682544	PB01	7/26/17	26	T11682561	T15	7/26/17
10	T11682545	PB02	7/26/17	27	T11682562	T16	7/26/17
11	T11682546	PB03	7/26/17	28	T11682563	T17	7/26/17
12	T11682547	T01	7/26/17	29	T11682564	T18	7/26/17
13	T11682548	T02	7/26/17	30	T11682565	T19	7/26/17
14	T11682549	T03	7/26/17	31	T11682566	T20	7/26/17
15	T11682550	T04	7/26/17	32	T11682567	T21	7/26/17
16	T11682551	T05	7/26/17	33	T11682568	T22	7/26/17
17	T11682552	T06	7/26/17	34	T11682569	T23	7/26/17



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: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2019.

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. Any project specific information included is for MiTek's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek 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.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

July 26,2017

RE: 1142756 - Housecraft - Lot 24 Laurel Lake

Site Information:

Customer Info: Housecraft Homes Project Name: 1142756 Model: Spec Hse
Lot/Block: 24 Subdivision: Laurel Lakes
Address:
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
35	T11682570	T24	7/26/17
36	T11682571	T25	7/26/17
37	T11682572	T26	7/26/17
38	T11682573	T27	7/26/17
39	T11682574	T28	7/26/17
40	T11682575	T29	7/26/17
41	T11682576	T30	7/26/17
42	T11682577	T31	7/26/17
43	T11682578	T32	7/26/17
44	T11682579	T33	7/26/17
45	T11682580	T34	7/26/17

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682536
1142756	CJ01	Jack-Open	16	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.640 s Apr 19 2016 MiTek Industries, Inc. Tue Jul 25 16:24:43 2017 Page 1

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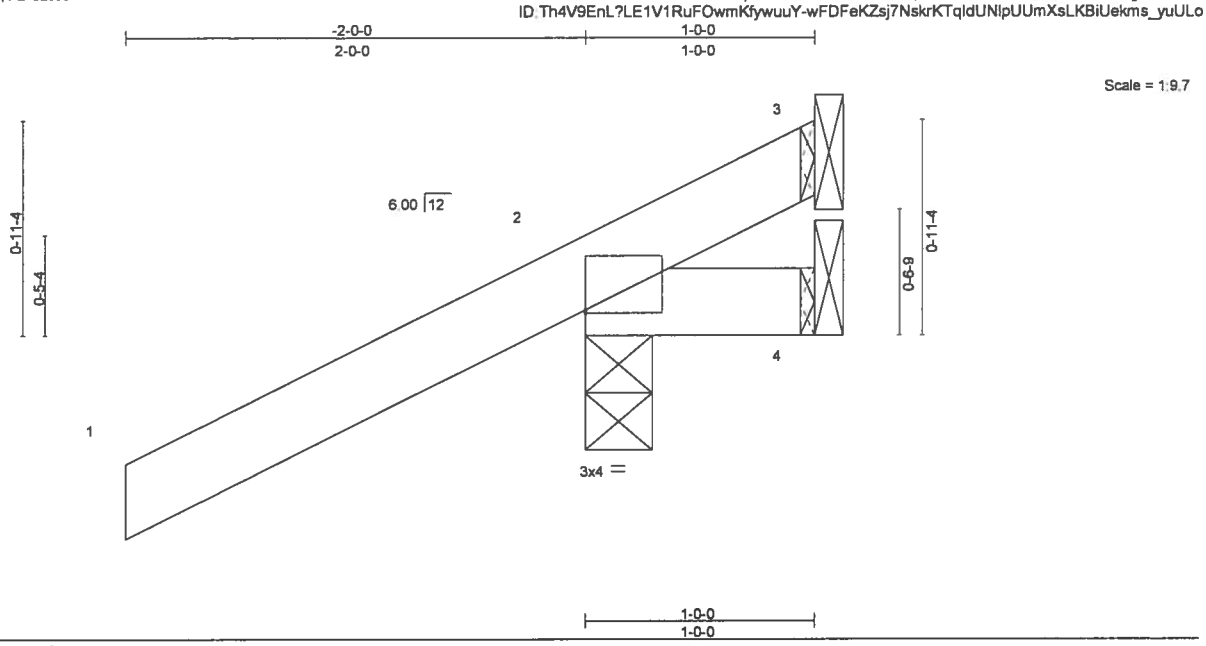

Plate Offsets (X,Y)-- [2:0-0-0,0-0-3]

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	0.32	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(TL)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 7 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. (lb/size) 3=-24/Mechanical, 2=246/0-3-8, 4=-40/Mechanical
Max Horz 2=66(LC 12)
Max Uplift 3=-24(LC 1), 2=-149(LC 12), 4=-40(LC 1)
Max Grav 3=20(LC 16), 2=246(LC 1), 4=38(LC 16)

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

NOTES- (7)
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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 3, 149 lb uplift at joint 2 and 40 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	CJ02	Jack-Open	16	1	Job Reference (optional)	T11682537

Builders FirstSource, Lake City, FL 32055

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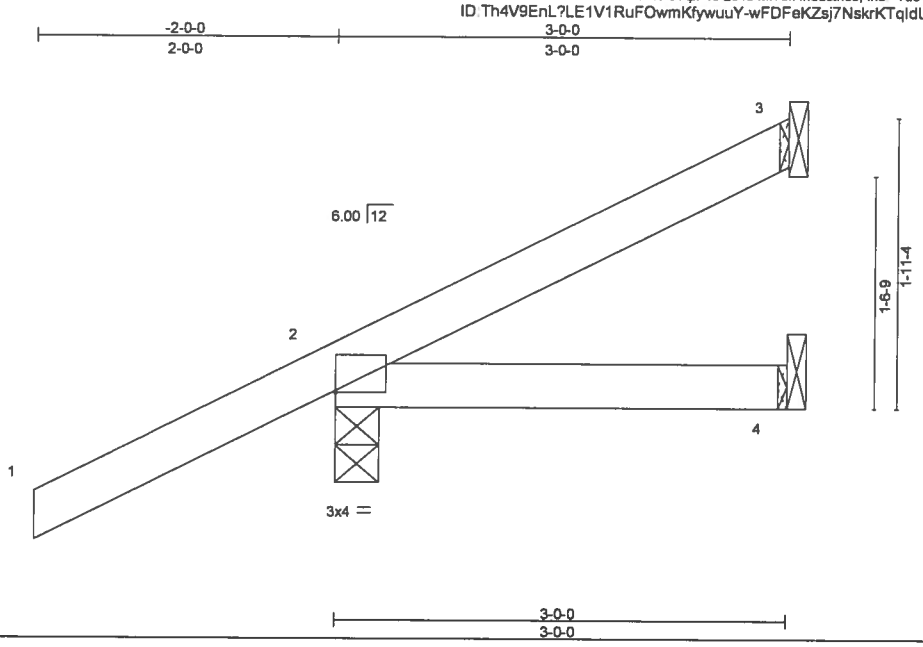

Plate Offsets (X,Y)— [2:0-0-0,0-0-3]

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	0.32	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 13 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. (lb/size) 3=54/Mechanical, 2=251/0-3-8, 4=20/Mechanical
Max Horz 2=113(LC 12)
Max Uplift 3=-52(LC 12), 2=-121(LC 12), 4=-23(LC 9)
Max Grav 3=54(LC 1), 2=251(LC 1), 4=47(LC 3)

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

NOTES- (7)
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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 3, 121 lb uplift at joint 2 and 23 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682538
1142756	CJ03	Jack-Open	8	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 7.640 s Apr 19 2016 MiTek Industries, Inc. Tue Jul 25 16:24:44 2017 Page 1

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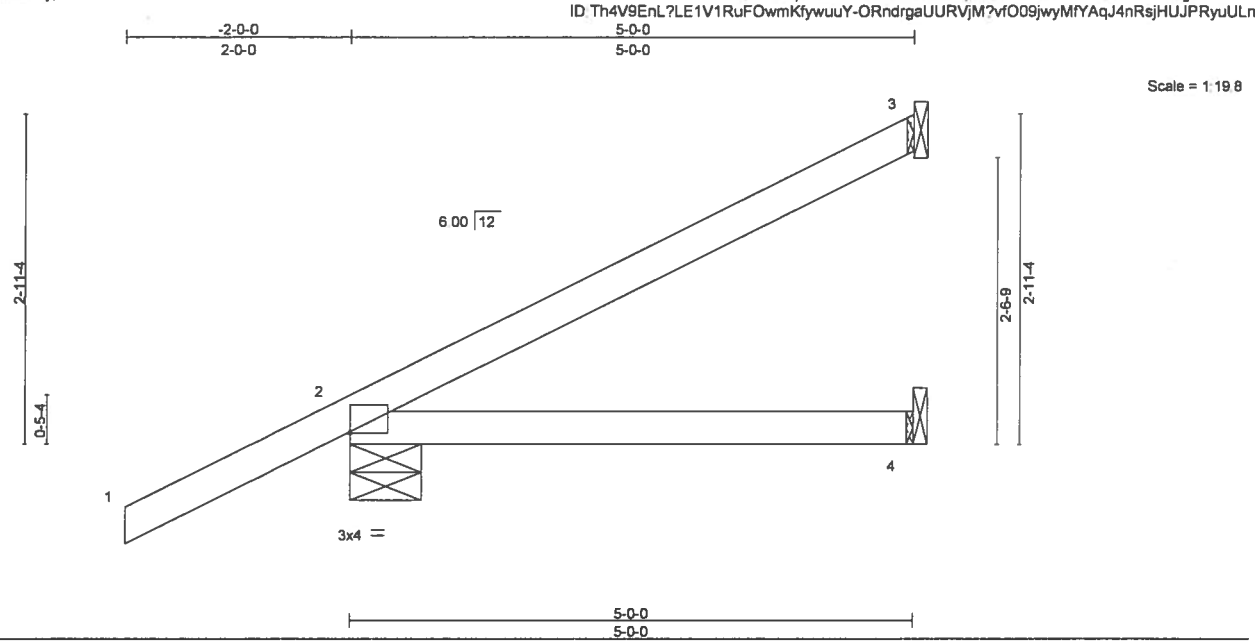

Plate Offsets (X,Y)-- [2:0-0-0,0-0-3]

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	0.37	Vert(LL)	0.07	4-7	>829	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.32	Vert(TL)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 19 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=107/Mechanical, 2=317/0-7-10, 4=49/Mechanical
Max Horz 2=162(LC 12)
Max Uplift 3=-100(LC 12), 2=-137(LC 12), 4=-42(LC 9)
Max Grav 3=107(LC 1), 2=317(LC 1), 4=84(LC 3)

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

NOTES- (7)
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) 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 3, 137 lb uplift at joint 2 and 42 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	EJ01	Jack-Partial	39	1	Job Reference (optional)	T11682539

Builders FirstSource, Lake City, FL 32055

7.640 s Apr 19 2016 MiTek Industries, Inc. Tue Jul 25 16:24:44 2017 Page 1

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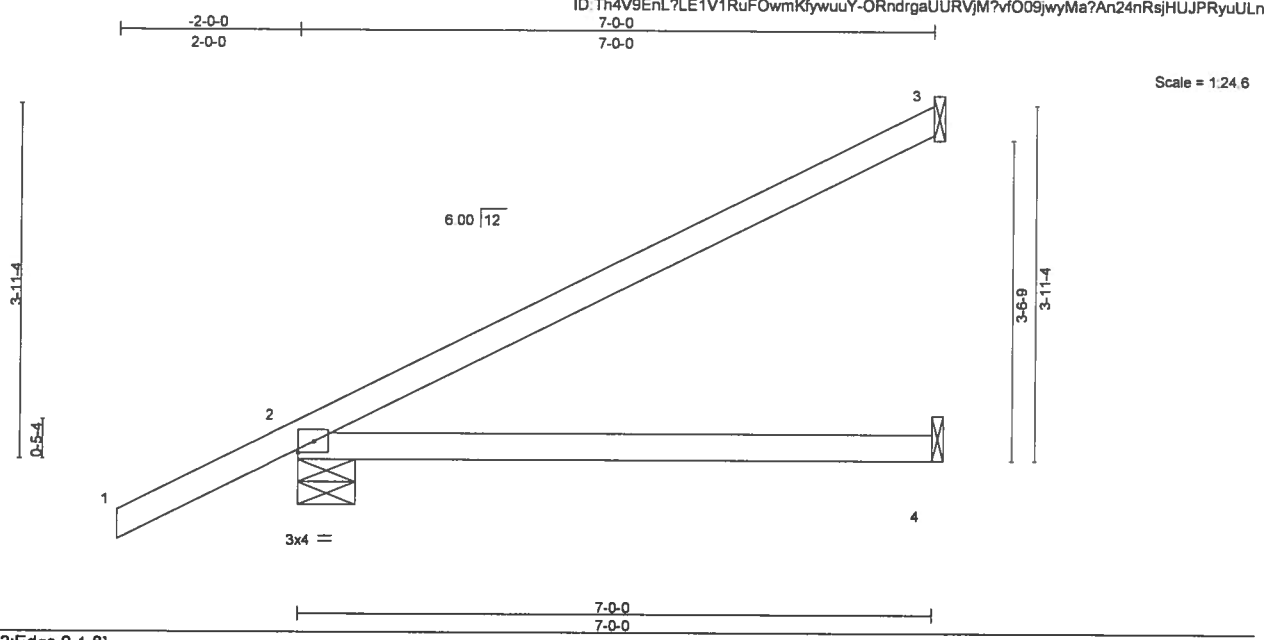

Plate Offsets (X,Y)-- [2:Edge,0-1-8]

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	0.66	Vert(LL)	0.10	4-7	>875	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(TL)	-0.23	4-7	>355	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 26 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 5-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=155/Mechanical, 2=394/0-7-10, 4=73/Mechanical
Max Horz 2=144(LC 12)
Max Uplift 3=-93(LC 12), 2=-85(LC 12)
Max Grav 3=155(LC 1), 2=394(LC 1), 4=119(LC 3)

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

NOTES- (7)
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) and C-C Exterior(2) zone;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 93 lb uplift at joint 3 and 85 lb uplift at joint 2.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682540
1142756	EJ02	Jack-Partial	5	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.640 s Apr 19 2016 MiTek Industries, Inc. Tue Jul 25 16:24:45 2017 Page 1

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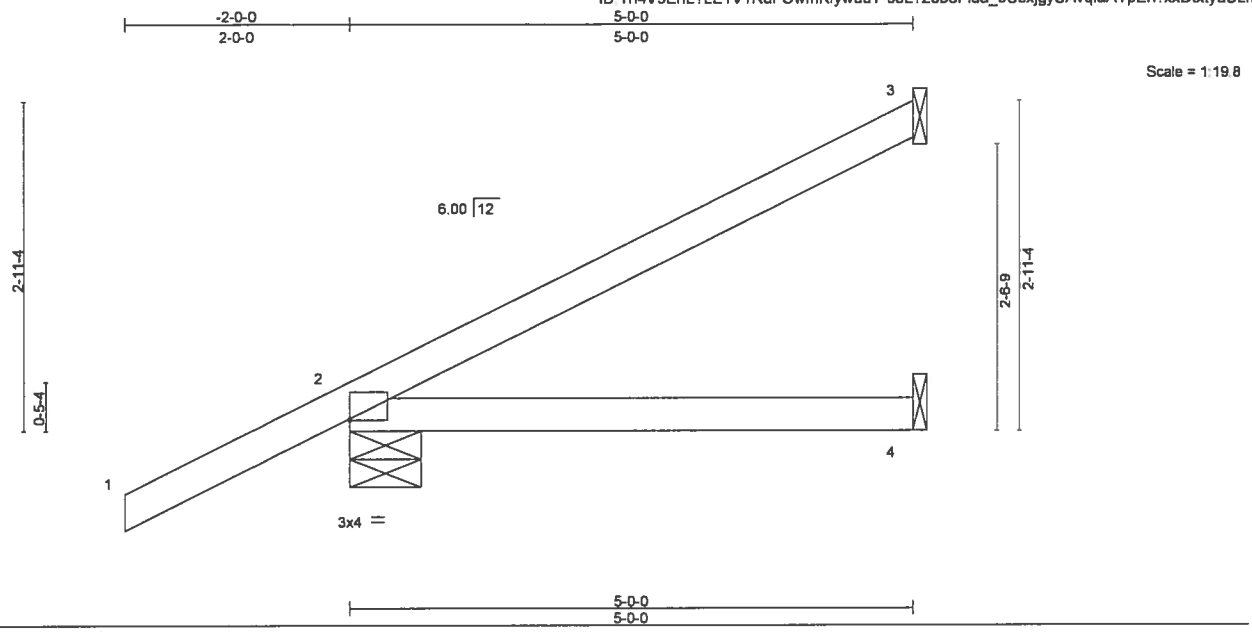

Plate Offsets (X,Y)-- [2:0-0-0,0-0-3]

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	0.37	Vert(LL)	0.07	4-7	>829	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.32	Vert(TL)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 19 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=107/Mechanical, 2=317/0-7-10, 4=49/Mechanical
Max Horz 2=162(LC 12)
Max Uplift 3=-100(LC 12), 2=-137(LC 12), 4=-42(LC 9)
Max Grav 3=107(LC 1), 2=317(LC 1), 4=84(LC 3)

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

NOTES- (7)
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) 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 3, 137 lb uplift at joint 2 and 42 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	HJ01	Diagonal Hip Girder	2	1	Job Reference (optional)	T11682541

Builders FirstSource, Lake City, FL 32055

7.640 s Apr 19 2016 MiTek Industries, Inc. Tue Jul 25 16:24:46 2017 Page 1

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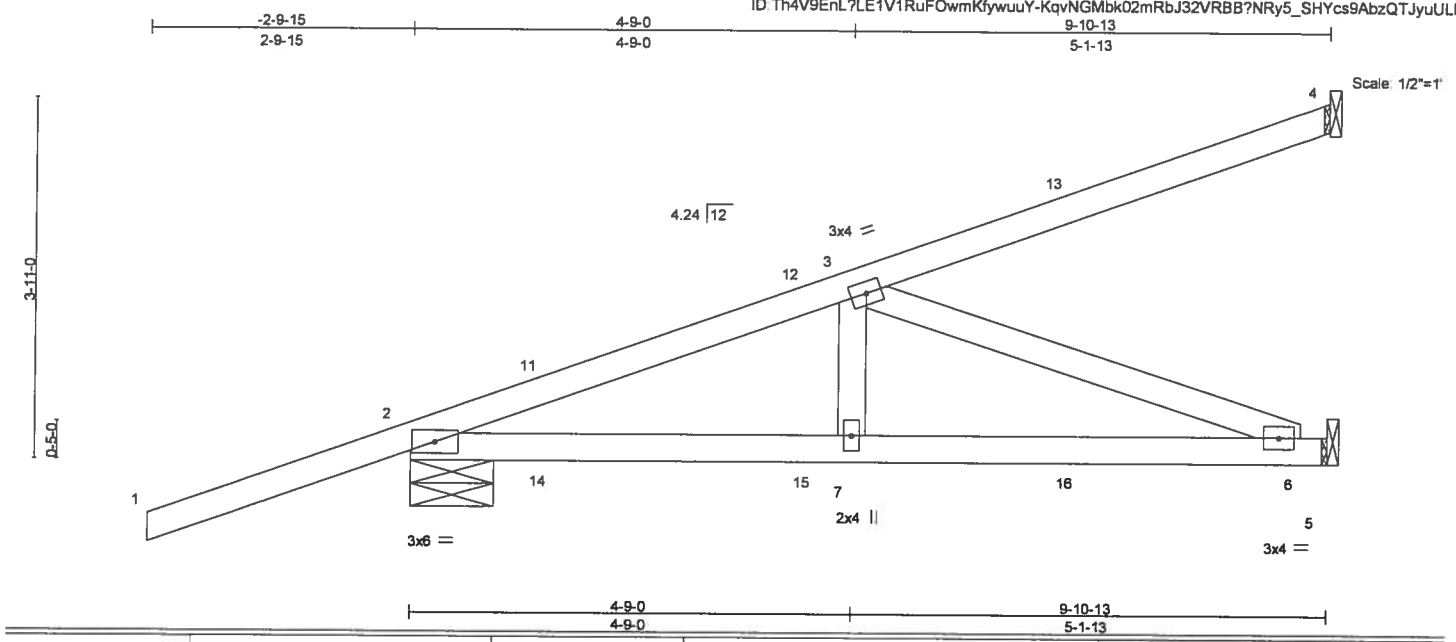

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(TL)	-0.13	6-7	>879	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 45 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 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 7-8-11 oc bracing.

REACTIONS. (lb/size) 4=141/Mechanical, 2=461/0-10-13, 5=261/Mechanical
Max Horz 2=234(LC 22)
Max Uplift 4=-135(LC 4), 2=-330(LC 4), 5=-206(LC 8)
Max Grav 4=141(LC 1), 2=461(LC 1), 5=266(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-618/368, 11-12=-566/413, 3-12=-566/414
BOT CHORD 2-14=-507/560, 14-15=-507/560, 7-15=-507/560, 7-16=-507/560, 6-16=-507/560
WEBS 3-6=-597/540

NOTES- (9)
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; 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 135 lb uplift at joint 4, 330 lb uplift at joint 2 and 206 lb uplift at joint 5.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 81 lb down and 101 lb up at 1-5-12, 81 lb down and 101 lb up at 1-5-12, 26 lb down and 24 lb up at 4-3-11, 26 lb down and 24 lb up at 4-3-11, and 48 lb down and 98 lb up at 7-1-10, and 48 lb down and 98 lb up at 7-1-10 on top chord, and 29 lb down and 69 lb up at 1-5-12, 29 lb down and 69 lb up at 1-5-12, 18 lb down and 30 lb up at 4-3-11, 18 lb down and 30 lb up at 4-3-11, and 34 lb down and 56 lb up at 7-1-10, and 34 lb down and 56 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 11=49(F=25, B=25) 13=-61(F=-30, B=-30) 14=66(F=33, B=33) 15=4(F=2, B=2) 16=-42(F=-21, B=-21)

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	HJ02	Diagonal Hip Girder	2	1	Job Reference (optional)	T11682542

Builders FirstSource, Lake City, FL 32055

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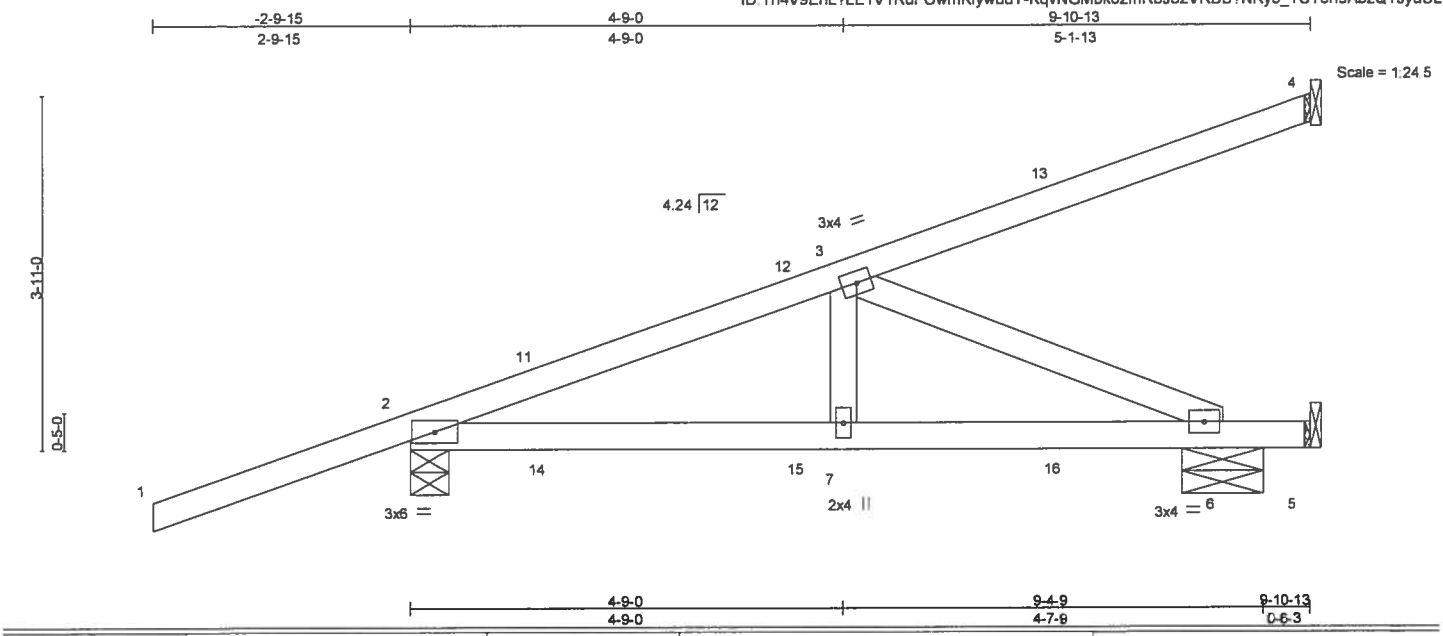

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.05	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(TL)	0.05	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 44 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 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 8-8-9 oc bracing.

REACTIONS. All bearings Mechanical except (jt=length) 2=0-4-15, 6=0-10-13.
(lb) - Max Horz 2=234(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 5 except 4=-132(LC 4), 2=-361(LC 4), 6=-330(LC 4)
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 2=426(LC 1), 6=398(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-494/308, 11-12=-442/339, 3-12=-442/340
BOT CHORD 2-14=-421/446, 14-15=-421/446, 7-15=-421/446, 7-16=-421/446, 6-16=-421/446
WEBS 3-6=-485/458

NOTES- (9)
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; porch left exposed; 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) 5 except (jt=lb) 4=132, 2=361, 6=330.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 81 lb down and 101 lb up at 1-5-12, 81 lb down and 101 lb up at 1-5-12, 26 lb down and 24 lb up at 4-3-11, 26 lb down and 24 lb up at 4-3-11, and 48 lb down and 98 lb up at 7-1-10, and 48 lb down and 98 lb up at 7-1-10 on top chord, and 62 lb down and 69 lb up at 1-5-12, 62 lb down and 69 lb up at 1-5-12, 51 lb down and 30 lb up at 4-3-11, 51 lb down and 30 lb up at 4-3-11, and 38 lb down and 56 lb up at 7-1-10, and 38 lb down and 56 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 11=49(F=25, B=25) 13=-61(F=-30, B=-30) 14=66(F=33, B=33) 15=4(F=2, B=2) 16=-42(F=-21, B=-21)

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	HJ03	Diagonal Hip Girder	4	1	Job Reference (optional)	T11682543

Builders FirstSource, Lake City, FL 32055

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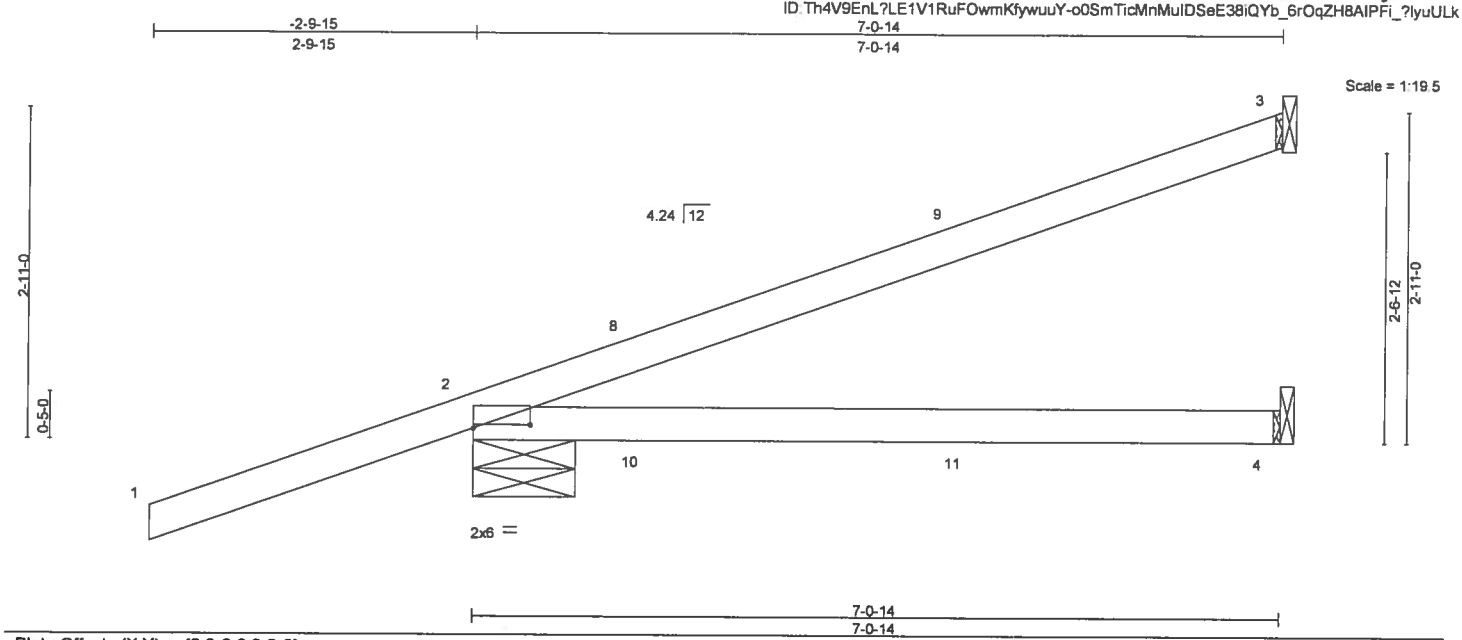

Plate Offsets (X,Y)-- [2:0-6-0,0-0-6]

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	0.56	Vert(LL)	0.11	4-7	>762	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(TL)	-0.16	4-7	>530	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 26 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 5-5-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=141/Mechanical, 2=356/0-10-13, 4=55/Mechanical
Max Horz 2=185(LC 4)
Max Uplift 3=-118(LC 8), 2=-310(LC 4), 4=-57(LC 5)
Max Grav 3=141(LC 1), 2=356(LC 1), 4=107(LC 3)

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

NOTES- (9)
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; porch left and right exposed; 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) 4 except (jt=lb) 3=118, 2=310.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 81 lb down and 101 lb up at 1-5-12, 81 lb down and 101 lb up at 1-5-12, and 26 lb down and 24 lb up at 4-3-11, and 26 lb down and 24 lb up at 4-3-11 on top chord, and 62 lb down and 69 lb up at 1-5-12, 62 lb down and 69 lb up at 1-5-12, and 51 lb down and 30 lb up at 4-3-11, and 51 lb down and 30 lb up at 4-3-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-5=-20
Concentrated Loads (lb)
Vert: 8=49(F=25, B=25) 10=66(F=33, B=33) 11=4(F=2, B=2)

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682544
1142756	PB01	Piggyback	7	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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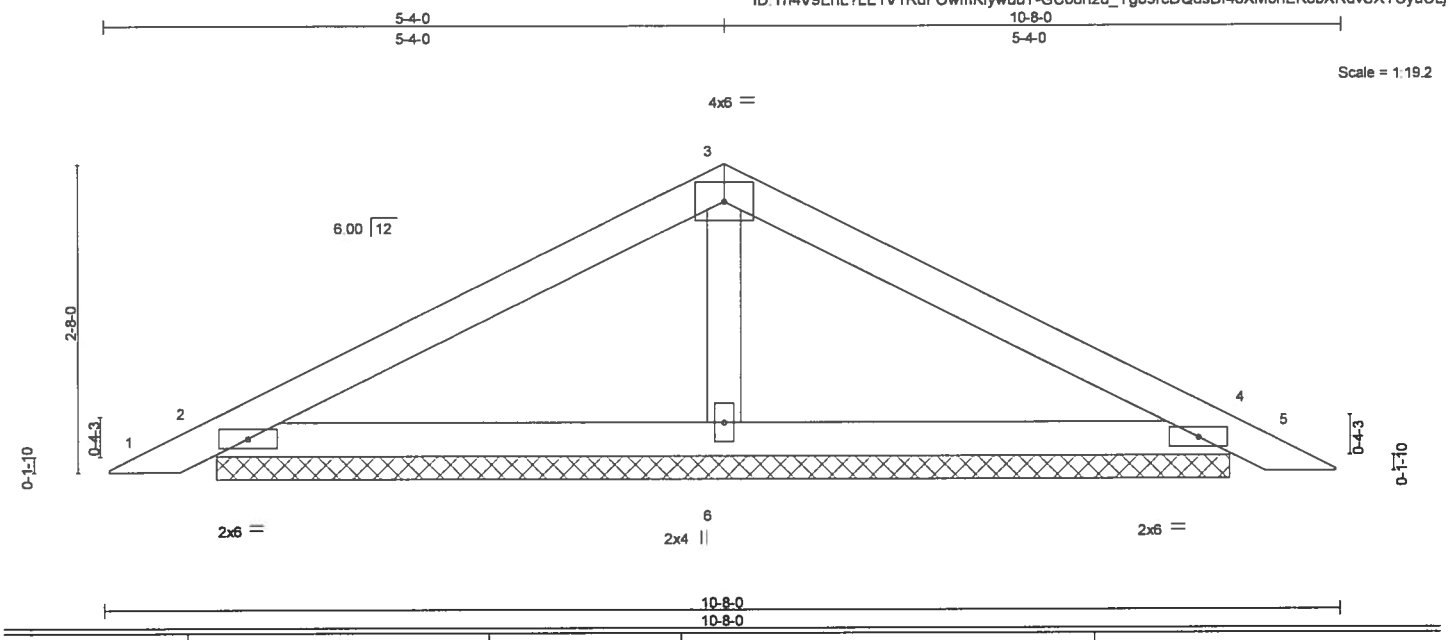

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(TL)	0.02	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 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 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=182/8-8-14, 4=182/8-8-14, 6=348/8-8-14
Max Horz 2=34(LC 11)
Max Uplift 2=-54(LC 12), 4=-60(LC 13), 6=-51(LC 12)
Max Grav 2=184(LC 23), 4=184(LC 24), 6=348(LC 1)

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

NOTES- (9)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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, 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake
1142756	PB02	GABLE	2	1	T11682545

Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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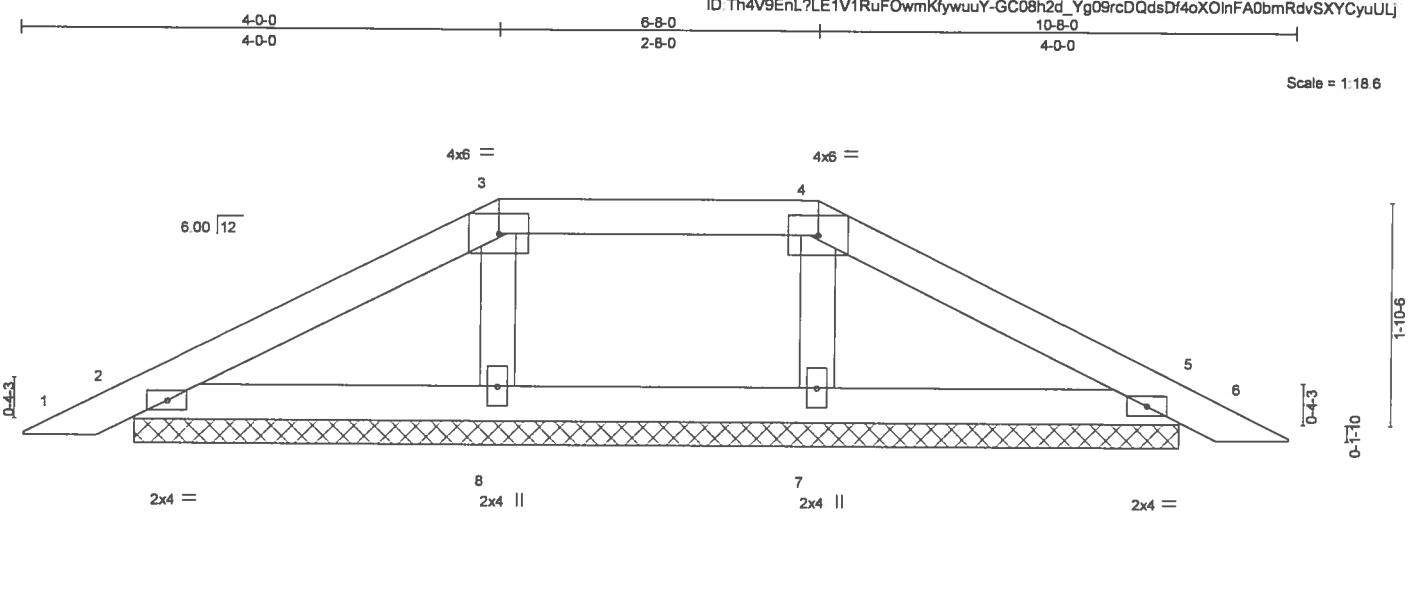

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(TL)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 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 10-0-0 oc bracing.

REACTIONS. All bearings 8-8-14.
(lb) - Max Horz 2=-25(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 5, 7, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 5, 7, 8

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

NOTES- (12)
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) and C-C Exterior(2) zone;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) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 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, 5, 7, 8.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	PB03	GABLE	2	1	Job Reference (optional)	T11682546

Builders FirstSource, Lake City, FL 32055

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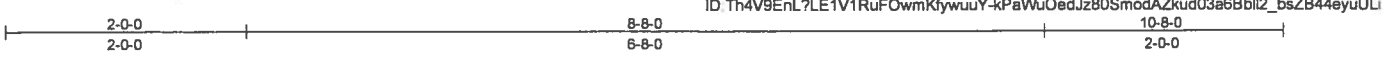

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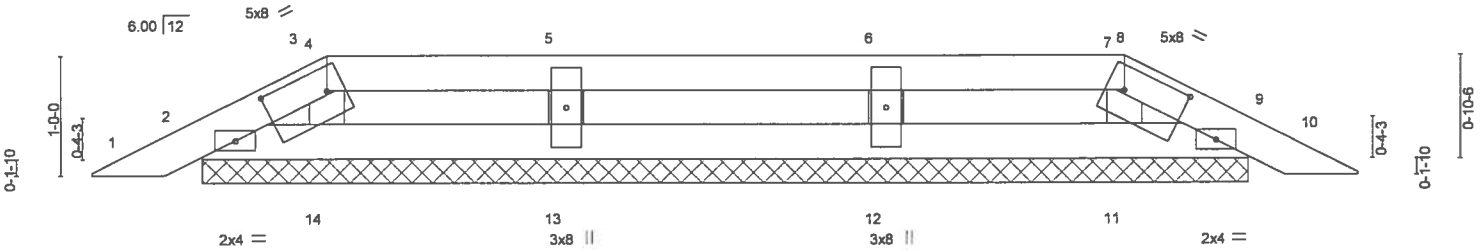

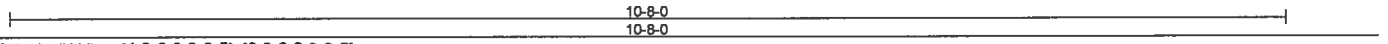

Plate Offsets (X,Y)– [4:0-6-3,0-2-5], [8:0-6-3,0-2-5]

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	0.06	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(TL)	-0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 31 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 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 10-0-0 oc bracing.

REACTIONS. All bearings 8-8-14.
(lb) - Max Horz 2=12(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 9, 11, 12, 14, 13
Max Grav All reactions 250 lb or less at joint(s) 2, 9, 11, 12, 14, 13

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

NOTES- (12)

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) and C-C Exterior(2) zone;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) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
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, 9, 11, 12, 14, 13.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T01	Hip Girder	1	1	Job Reference (optional)	T11682547

Builders FirstSource, Lake City, FL 32055

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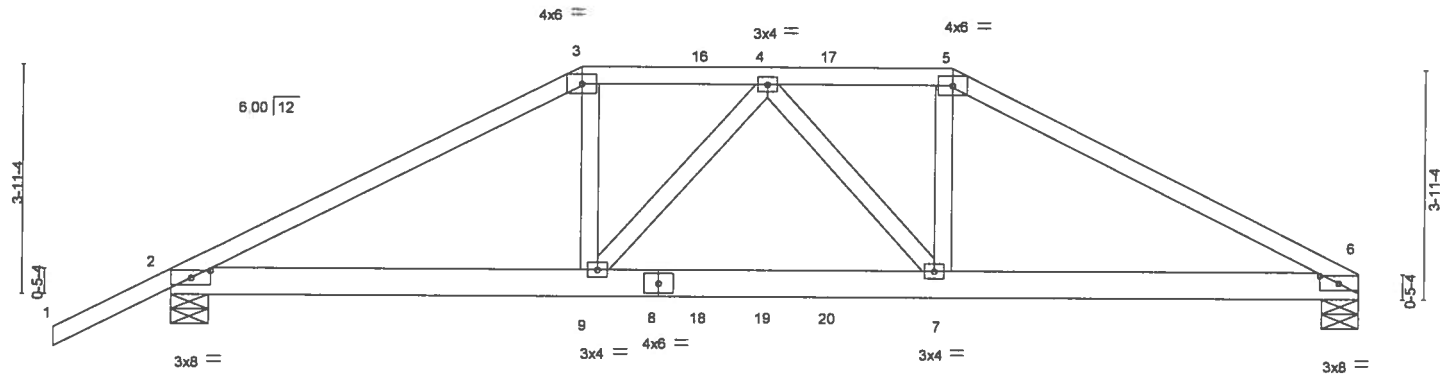

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7-0-0	6-4-0	7-0-0

Plate Offsets (X,Y)– [2:0-3-13,0-1-8], [6:0-3-13,0-1-8]

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	0.68	Vert(LL)	0.10	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(TL)	-0.22	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(TL)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 106 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 2-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-0 oc bracing.

REACTIONS. (lb/size) 6=1431/0-7-10, 2=1545/0-7-10
Max Horz 2=71(LC 12)
Max Uplift 6=-628(LC 9), 2=-667(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2619/1211, 3-16=-2292/1129, 4-16=-2292/1129, 4-17=-2302/1134, 5-17=-2302/1134, 5-6=-2630/1217
BOT CHORD 2-9=-1044/2263, 8-9=-1139/2469, 8-18=-1139/2469, 18-19=-1139/2469, 19-20=-1139/2469, 7-20=-1139/2469, 6-7=-1016/2273
WEBS 3-9=-267/740, 4-9=-340/200, 4-7=-330/201, 5-7=-268/741

NOTES- (10)
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); Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=628, 2=667.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 213 lb down and 244 lb up at 7-0-0, 101 lb down and 99 lb up at 9-0-12, 101 lb down and 99 lb up at 10-2-0, and 101 lb down and 99 lb up at 11-3-4, and 213 lb down and 244 lb up at 13-4-0 on top chord, and 288 lb down and 234 lb up at 7-0-0, 79 lb down at 9-0-12, 79 lb down at 10-2-0, and 79 lb down at 11-3-4, and 288 lb down and 234 lb up at 13-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 5-6=-54, 10-13=-20

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-166(B) 5=-166(B) 9=-286(B) 4=-101(B) 7=-286(B) 16=-101(B) 17=-101(B) 18=-53(B) 19=-53(B) 20=-53(B)

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T02	Hip	1	1	Job Reference (optional)	T11682548

Builders FirstSource, Lake City, FL 32055

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-2-0-0	4-9-15	9-0-0	11-4-0	15-6-1	19-11-9
2-0-0	4-9-15	4-2-1	2-4-0	4-2-1	4-5-9

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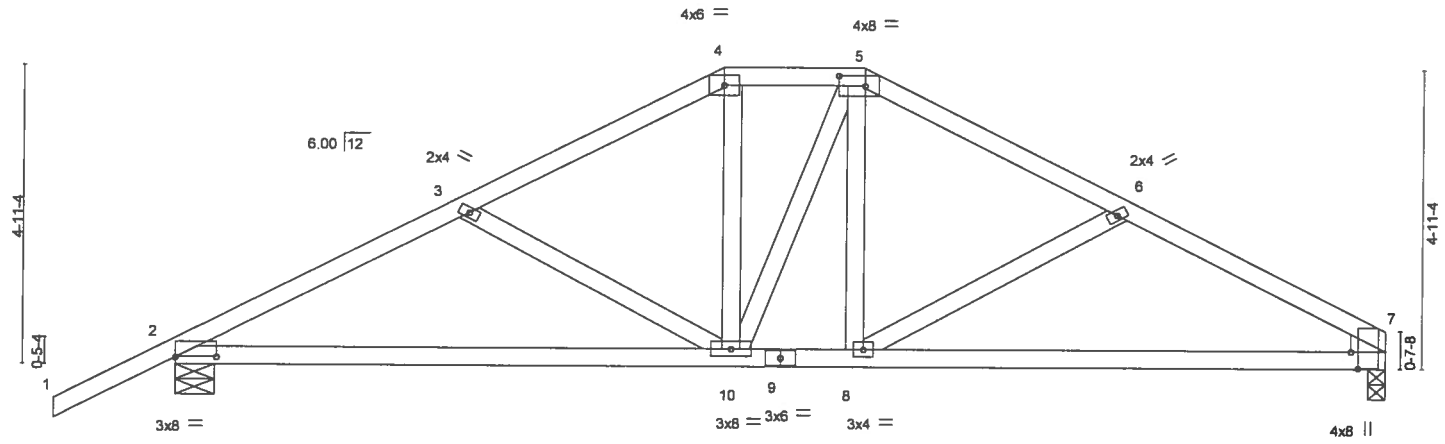

9-0-0	11-4-0	19-11-9
9-0-0	2-4-0	8-7-9

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

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	0.35	Vert(LL)	-0.13	10-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.64	Vert(TL)	-0.33	10-13	>716	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 101 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-11 oc bracing.

REACTIONS. (lb/size) 2=853/0-7-10, 7=732/0-3-8
Max Horz 2=87(LC 12)
Max Uplift 2=-189(LC 12), 7=-147(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1206/671, 3-4=-944/530, 4-5=-799/523, 5-6=-933/528, 6-7=-1164/656
BOT CHORD 2-10=-532/1034, 9-10=-290/790, 8-9=-290/790, 7-8=-511/1002
WEBS 3-10=-282/279, 4-10=-98/268, 6-8=-261/256

NOTES- (8)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=189, 7=147.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682549
1142756	T03	Common	2	1	Job Reference (optional)	

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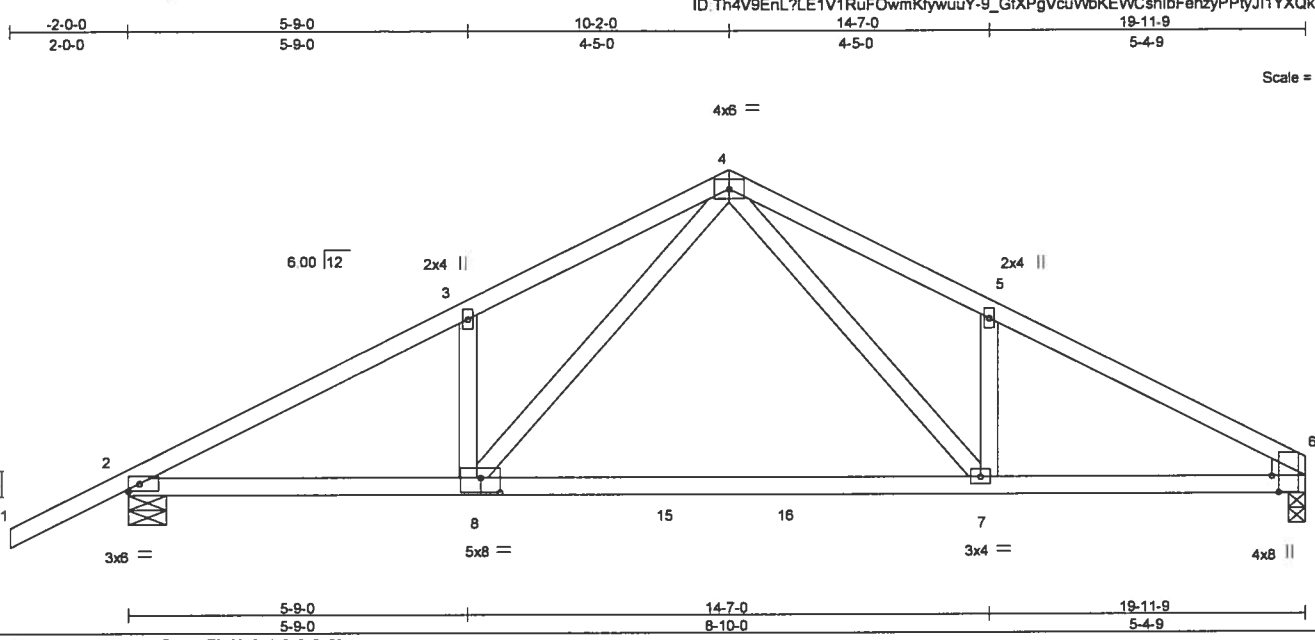

Plate Offsets (X,Y)-- [6:0-3-5,0-1-7], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.24	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(TL)	-0.60	7-8	>400	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 95 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-8: 2x4 SP M 31
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-14 oc bracing.

REACTIONS. (lb/size) 2=1019/0-7-10, 6=911/0-3-8
Max Horz 2=94(LC 12)
Max Uplift 2=-239(LC 12), 6=-199(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1642/845, 3-4=-1602/970, 4-5=-1584/977, 5-6=-1610/840
BOT CHORD 2-8=-671/1401, 8-15=-374/909, 15-16=-374/909, 7-16=-374/909, 6-7=-659/1372
WEBS 3-8=-245/282, 4-8=-441/773, 4-7=-443/743, 5-7=-217/269

NOTES- (8)
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) and C-C Exterior(2) zone;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=239, 6=199.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 8-9=-20, 7-8=-60(F=-40), 7-12=-20

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T04	Half Hip	1	1	Job Reference (optional)	T11682550

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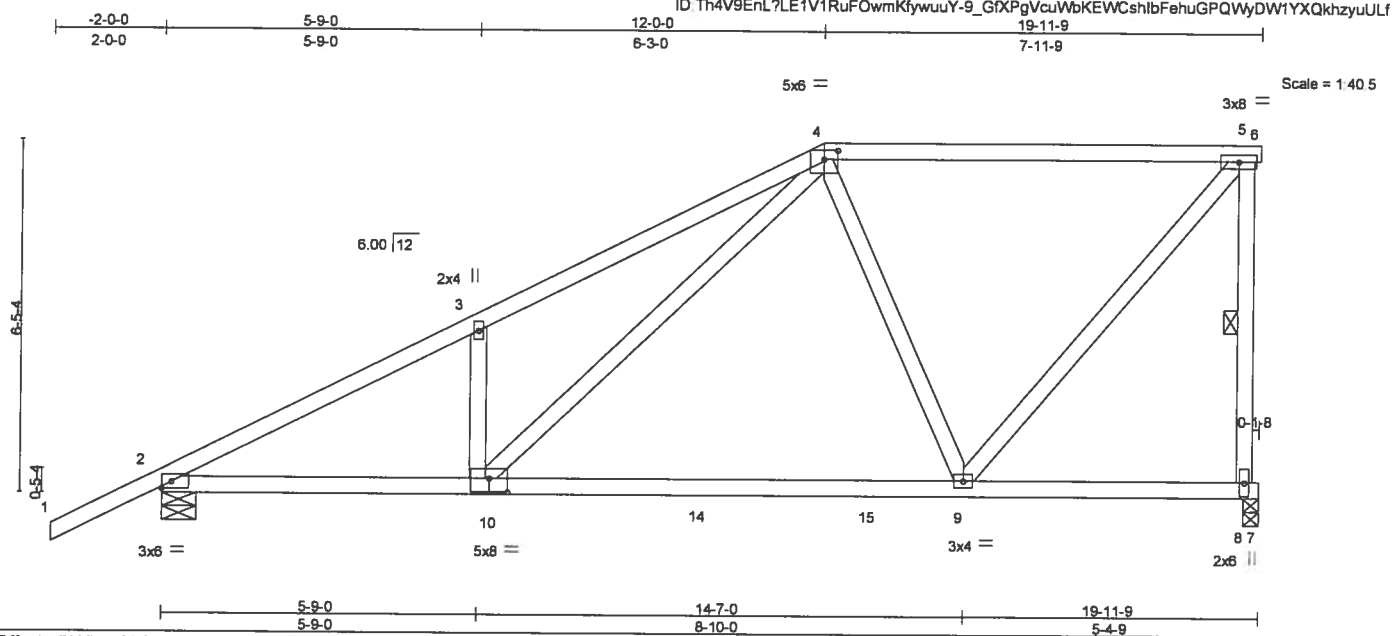

Plate Offsets (X,Y)-- [4:0-3-0,0-2-0], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	-0.22	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.87	Vert(TL)	-0.56	9-10	>419	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(TL)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 111 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-10: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-2-8 oc bracing: 2-10.
WEBS 1 Row at midpt 5-8

REACTIONS. (lb/size) 8=913/0-3-8, 2=1006/0-7-10
Max Horz 2=231(LC 12)
Max Uplift 8=-230(LC 9), 2=-223(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1623/723, 3-4=-1605/879, 4-5=-608/331, 5-8=-912/538
BOT CHORD 2-10=-881/1389, 10-14=-462/746, 14-15=-462/746, 9-15=-462/746
WEBS 3-10=-293/345, 4-10=-563/887, 4-9=-357/339, 5-9=-489/914

NOTES- (9)

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=230, 2=223.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-6=-14, 10-11=-20, 9-10=-60(F=-40), 7-9=-20

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682551
1142756	T05	Half Hip	1	1	Job Reference (optional)	

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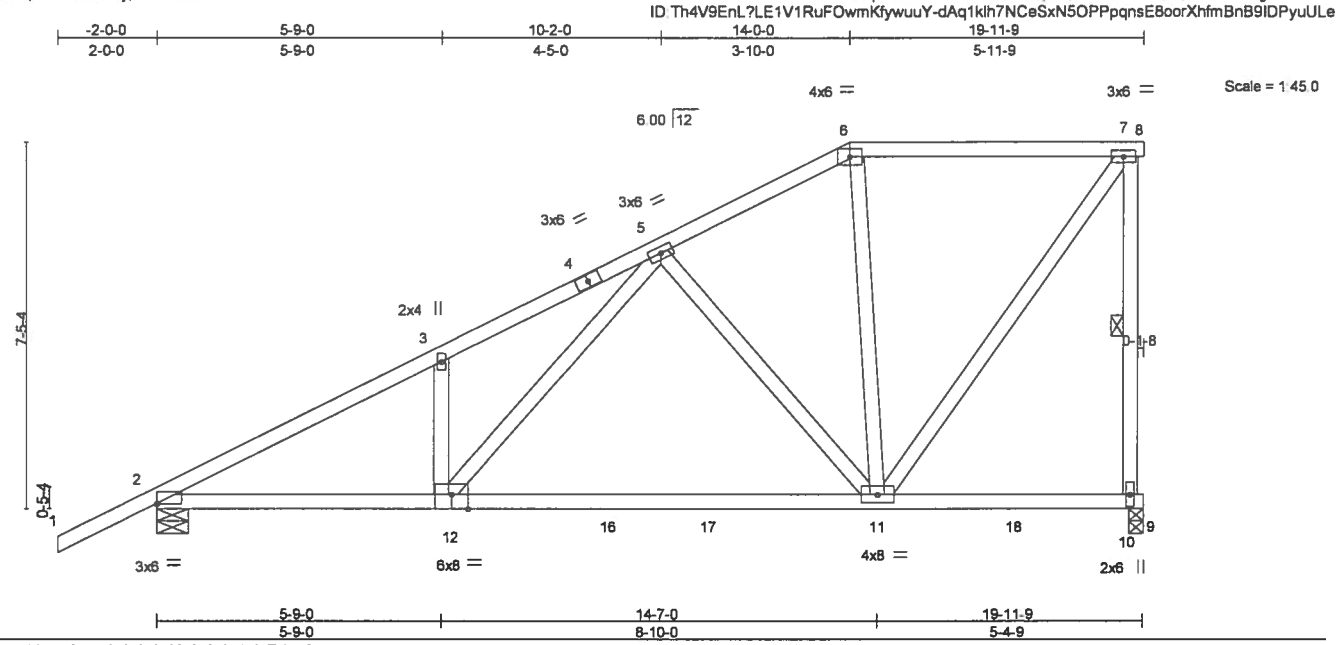

Plate Offsets (X,Y)-- [2:0-0-0,0-0-3], [12:0-4-0,Edge]

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	0.53	Vert(LL)	0.29	11-12	>812	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(TL)	-0.63	11-12	>372	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.89	Horz(TL)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 122 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-8-9 oc bracing.
WEBS 1 Row at midpt 7-10

REACTIONS. (lb/size) 10=1004/0-3-8, 2=1089/0-7-10
Max Horz 2=265(LC 12)
Max Uplift 10=-250(LC 9), 2=-242(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1828/788, 3-4=-1782/900, 4-5=-1711/908, 5-6=-744/361, 6-7=-627/362, 7-10=-1023/621
BOT CHORD 2-12=-985/1564, 12-16=-651/1002, 16-17=-651/1002, 11-17=-651/1002
WEBS 3-12=-222/270, 5-12=-502/871, 5-11=-587/441, 7-11=-615/1068

NOTES- (8)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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) 10=250, 2=242.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-7=-54, 7-8=-14, 12-13=-20, 11-12=-80(F=-60), 9-11=-20

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T06	Half Hip	1	1	Job Reference (optional)	T11682552

Builders FirstSource, Lake City, FL 32055

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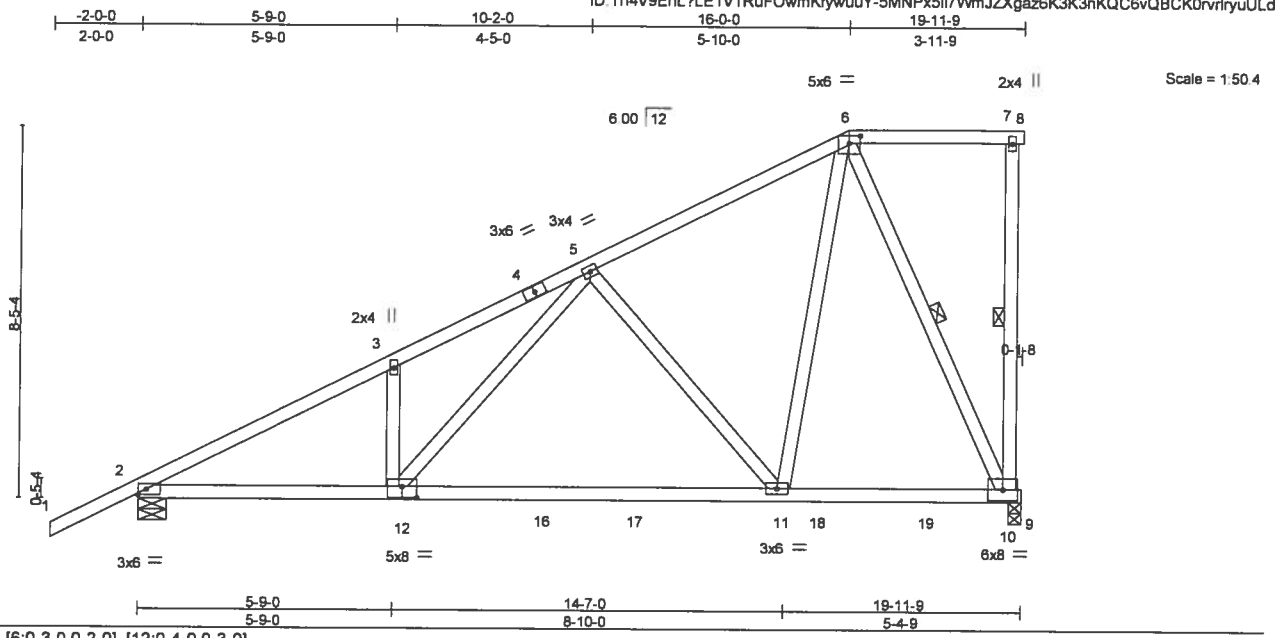

Plate Offsets (X,Y)— [6:0-3-0,0-2-0], [12:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.21	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(TL)	-0.52	11-12	>456	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(TL)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 126 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
9-12: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-8 oc bracing.
WEBS 1 Row at midpt 7-10, 6-10

REACTIONS. (lb/size) 10=912/0-3-8, 2=1006/0-7-10
Max Horz 2=298(LC 12)
Max Uplift 10=-252(LC 12), 2=-213(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1605/628, 3-4=-1554/726, 4-5=-1458/741, 5-6=-661/282
BOT CHORD 2-12=-897/1366, 12-16=-624/904, 16-17=-624/904, 11-17=-624/904, 11-18=-238/375, 18-19=-238/375, 10-19=-238/375
WEBS 3-12=-208/251, 5-12=-406/712, 5-11=-593/480, 6-11=-439/892, 6-10=-908/577

NOTES- (9)

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=252, 2=213.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-7=-54, 7-8=-14, 12-13=-20, 11-12=-60(F=-40), 9-11=-20

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682553
1142756	T07	Half Hip	1	1	Job Reference (optional)	

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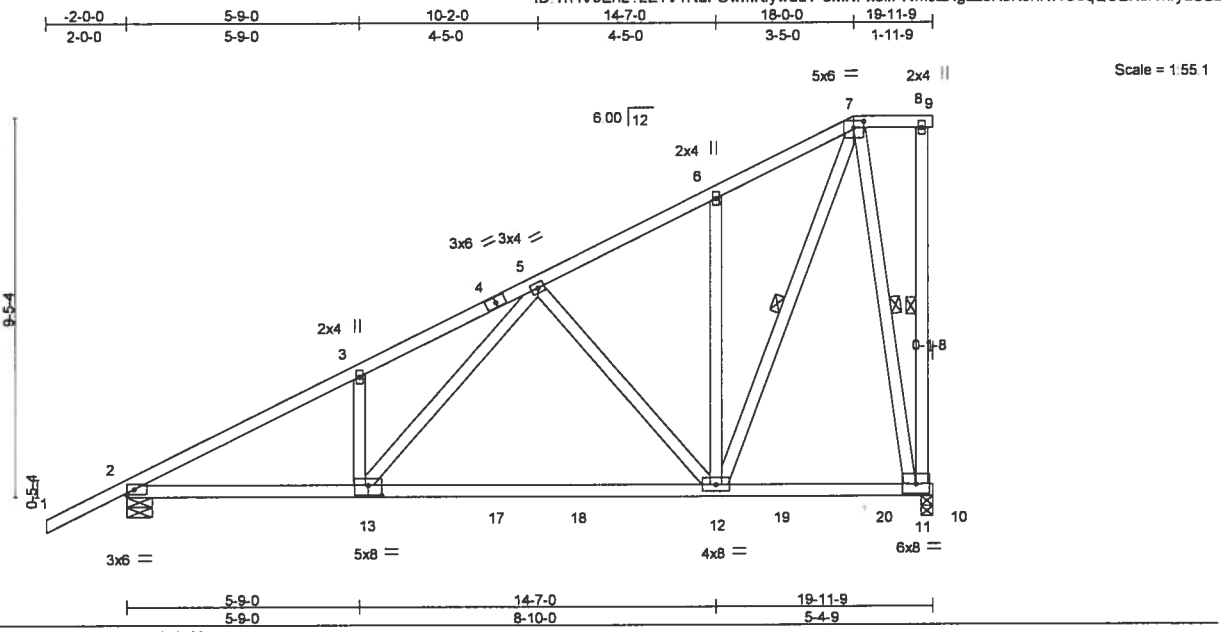

Plate Offsets (X,Y)-- [7:0-3-0,0-2-0], [13:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	0.22	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(TL)	-0.53	12-13	>446	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.49	Horz(TL)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 141 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
10-13: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-12 oc bracing.
WEBS 1 Row at midpt 8-11, 7-12, 7-11

REACTIONS. (lb/size) 11=913/0-3-8, 2=1007/0-7-10
Max Horz 2=332(LC 12)
Max Uplift 11=-288(LC 12), 2=-202(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1609/585, 3-4=-1565/691, 4-5=-1469/706, 5-6=-660/227, 6-7=-652/350
BOT CHORD 2-13=-913/1371, 13-17=-622/894, 17-18=-622/894, 12-18=-622/894
WEBS 3-13=-225/273, 5-13=-434/734, 5-12=-548/427, 7-12=-677/1094, 7-11=-889/599

NOTES- (9)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=288, 2=202.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-54, 7-8=-54, 8-9=-14, 13-14=-20, 12-13=-60(F=-40), 10-12=-20

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Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake
1142756	T08	Monopitch	1	1	T11682554

Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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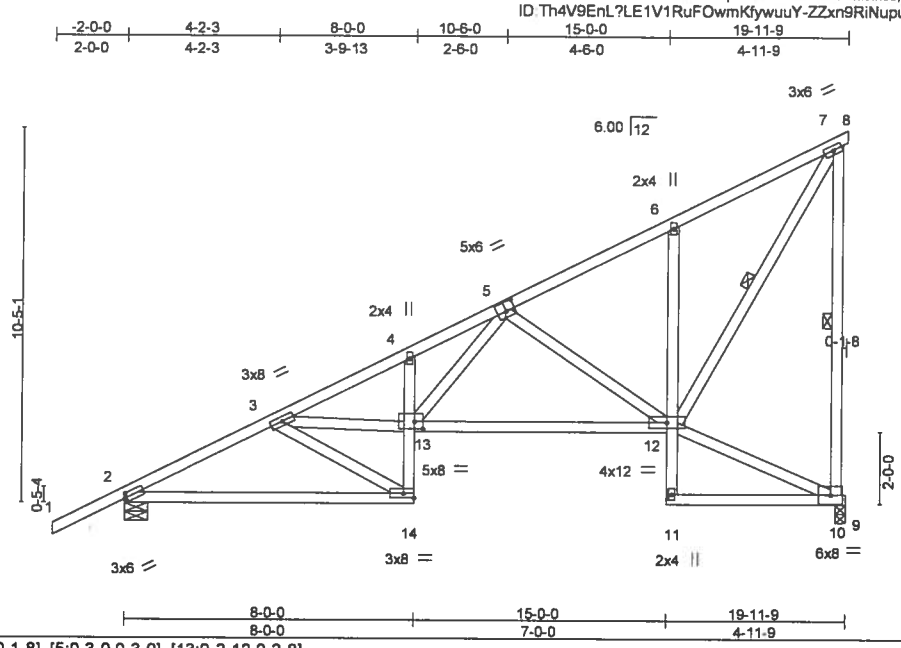

Plate Offsets (X,Y)— [2:0-0-14,0-1-8], [5:0-3-0,0-3-0], [13:0-2-12,0-2-8]

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	0.32	Vert(LL)	-0.12	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(TL)	-0.36	12-13	>665	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.14	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 143 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-14,6-11: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-1-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-10, 7-12

REACTIONS. (lb/size) 10=731/0-3-8, 2=843/0-7-10
Max Horz 2=364(LC 12)
Max Uplift 10=-280(LC 12), 2=-143(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1202/379, 3-4=-1852/907, 4-5=-1858/987, 5-6=-580/171, 6-7=-580/319, 7-10=-683/541
BOT CHORD 2-14=-802/1032, 13-14=-415/613, 12-13=-780/1042, 6-12=-272/303
WEBS 3-14=-1122/891, 3-13=-1158/1561, 5-13=-647/991, 5-12=-700/544, 7-12=-669/925

NOTES- (6)

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) and C-C Exterior(2) zone;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 100 lb uplift at joint(s) except (jt=lb) 10=280, 2=143.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T09	Half Hip Girder	1	1	Job Reference (optional)	T11682555

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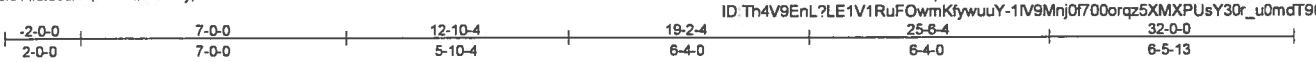

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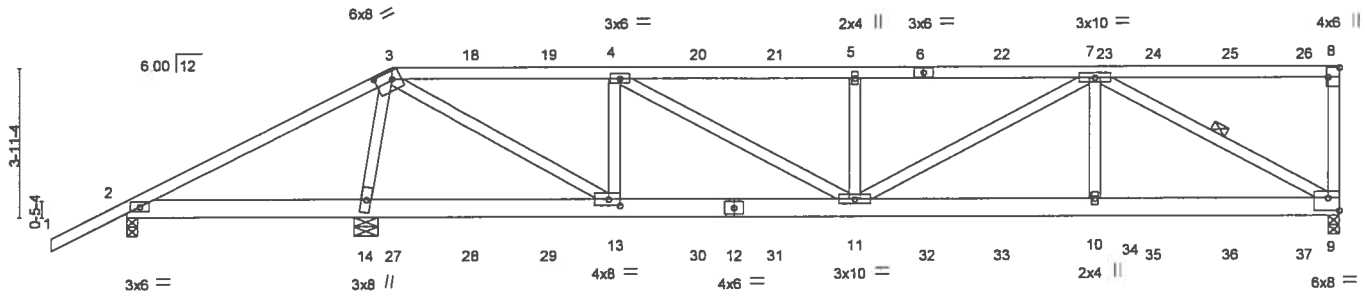

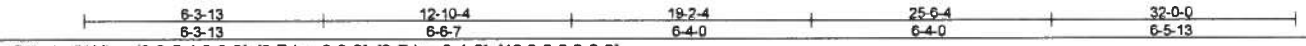

Plate Offsets (X,Y)— [3:0-5-4,0-2-8], [8:Edge,0-3-8], [9:Edge,0-4-0], [13:0-3-8,0-2-0]

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	0.97	Vert(LL)	-0.14	11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(TL)	-0.33	11-13	>934	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(TL)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 191 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-10 oc bracing.
WEBS 1 Row at midpt 7-9

REACTIONS. (lb/size) 9=1755/0-3-8, 2=-429/0-3-8, 14=3123/0-7-10
Max Horz 2=146(LC 8)
Max Uplift 9=-546(LC 5), 2=-666(LC 20), 14=-1150(LC 5)
Max Grav 9=1755(LC 1), 2=228(LC 6), 14=3123(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-529/1709, 3-18=-1719/564, 18-19=-1719/564, 4-19=-1719/564, 4-20=-2872/908, 20-21=-2872/908, 5-21=-2872/908, 5-6=-2872/908, 6-22=-2872/908, 22-23=-2872/908, 7-23=-2872/908, 8-9=-303/170
BOT CHORD 2-14=-1481/442, 14-27=-910/233, 27-28=-910/233, 28-29=-910/233, 13-29=-910/233, 13-30=-564/1719, 12-30=-564/1719, 12-31=-564/1719, 11-31=-564/1719, 11-32=-743/2382, 32-33=-743/2382, 33-34=-743/2382, 10-34=-743/2382, 10-35=-743/2382, 35-36=-743/2382, 36-37=-743/2382, 9-37=-743/2382
WEBS 3-14=-2923/1069, 3-13=-925/3075, 4-13=-1333/583, 4-11=-395/1322, 5-11=-638/361, 7-11=-189/562, 7-10=0/552, 7-9=-2666/825

NOTES- (10)
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); porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=546, 2=666, 14=1150.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 210 lb down and 241 lb up at 7-0-0, 101 lb down and 99 lb up at 9-0-12, 101 lb down and 99 lb up at 11-0-12, 101 lb down and 99 lb up at 13-0-12, 101 lb down and 99 lb up at 15-0-12, 101 lb down and 99 lb up at 17-0-12, 101 lb down and 99 lb up at 19-0-12, 101 lb down and 99 lb up at 21-0-12, 101 lb down and 99 lb up at 23-0-12, 101 lb down and 99 lb up at 25-0-12, 101 lb down and 99 lb up at 27-0-12, and 101 lb down and 99 lb up at 29-0-12, and 107 lb down and 99 lb up at 31-0-12 on top chord, and 144 lb down and 95 lb up at 7-0-0, 79 lb down at 9-0-12, 79 lb down at 11-0-12, 79 lb down at 13-0-12, 79 lb down at 15-0-12, 79 lb down at 17-0-12, 79 lb down at 19-0-12, 79 lb down at 21-0-12, 79 lb down at 23-0-12, 79 lb down at 25-0-12, 79 lb down at 27-0-12, and 79 lb down at 29-0-12, and 83 lb down at 31-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

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10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-8=-54, 9-15=-20
   Concentrated Loads (lb)
   Vert: 3=-163(B) 6=-101(B) 13=-53(B) 4=-101(B) 5=-101(B) 11=-53(B) 18=-101(B) 19=-101(B) 20=-101(B) 21=-101(B) 22=-101(B) 23=-101(B) 24=-101(B) 25=-101(B) 26=-107(B) 27=30(B) 28=-53(B) 29=-53(B) 30=-53(B) 31=-53(B) 32=-53(B) 33=-53(B) 34=-53(B) 35=-53(B) 36=-53(B) 37=-55(B)

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682556
1142756	T10	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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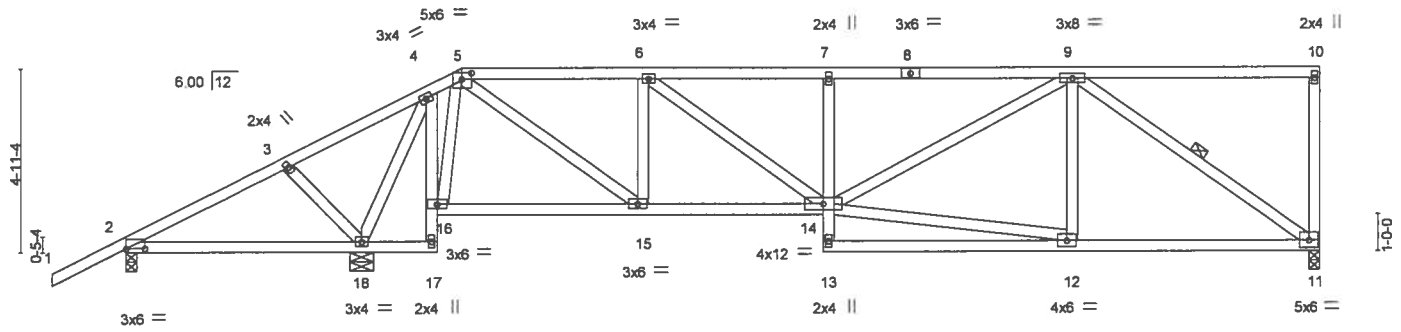

6-3-13	8-4-0	13-10-0	18-8-0	25-4-0	32-0-0
6-3-13	2-0-3	5-6-0	4-10-0	6-8-0	6-8-0

Plate Offsets (X,Y)– [2:0-6-0,0-0-1], [5:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.07	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.50	Vert(TL)	-0.19	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 194 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-17,7-13: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-11

REACTIONS. (lb/size) 11=864/0-3-8, 2=34/0-3-8, 18=1567/0-7-10
Max Horz 2=180(LC 12)
Max Uplift 11=-229(LC 9), 2=-157(LC 24), 18=-458(LC 9)
Max Grav 11=865(LC 24), 2=34(LC 1), 18=1567(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-344/570, 3-4=-401/719, 5-6=-1028/495, 6-7=-1402/682, 7-8=-1394/682, 8-9=-1394/682
BOT CHORD 2-18=-489/110, 4-16=-293/802, 14-15=-495/1028, 7-14=-299/229, 11-12=-452/943
WEBS 3-18=-228/268, 4-18=-1351/649, 6-15=-553/351, 6-14=-233/466, 12-14=-429/863, 9-14=-263/516, 9-11=-1133/543, 5-15=-525/1122, 5-16=-820/410

NOTES- (8)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=229, 2=157, 18=458.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake
1142756	T11	Half Hip	1	1	T11682557

Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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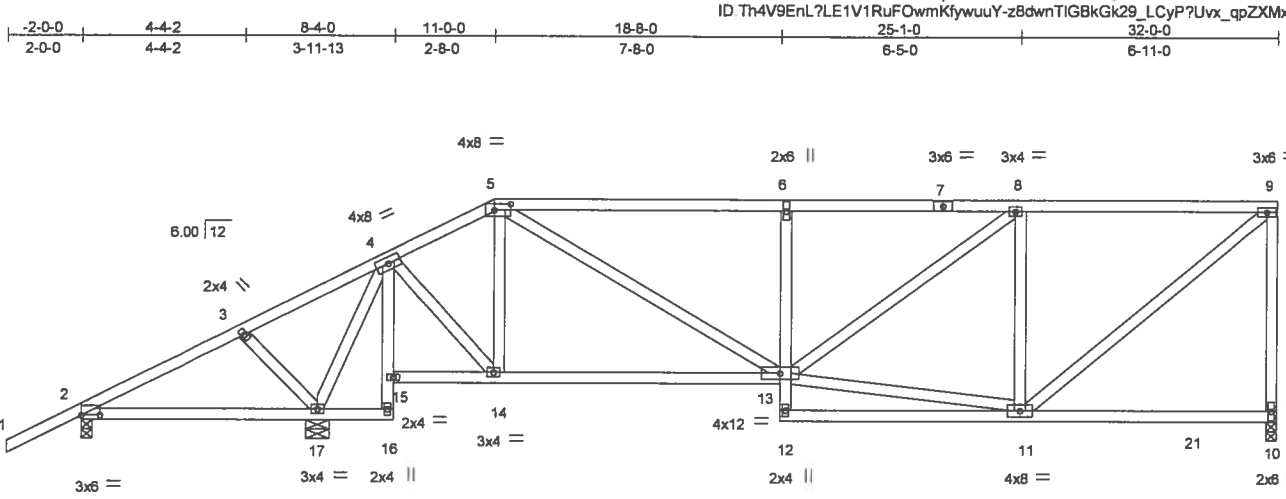

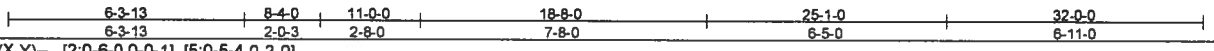

Plate Offsets (X,Y)-- [2:0-6-0,0-0-1], [5:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.10	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(TL)	-0.29	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 199 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 4-16,6-12: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 10=876/0-3-8, 2=82/0-3-8, 17=1507/0-7-10
Max Horz 2=214(LC 12)
Max Uplift 10=-230(LC 9), 2=-92(LC 24), 17=-441(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-376/458, 3-4=-436/620, 4-5=-616/253, 5-6=-1175/583, 6-7=-1146/567, 7-8=-1146/567, 8-9=-791/380, 9-10=-817/438
BOT CHORD 2-17=-367/84, 13-14=-257/519, 6-13=-404/310
WEBS 3-17=-239/277, 4-17=-1298/670, 4-14=-367/776, 5-14=-418/309, 5-13=-381/777, 11-13=-342/745, 8-13=-222/426, 8-11=-626/418, 9-11=-487/1013

NOTES- (8)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 10=230, 17=441.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682558
1142756	T12	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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ID:Th4V9EnL?LE1V1RuFOwmKfywuuY-SKBI?pluy2ObfIZYmfwE17U5ZDxs5Nu397ccR3yuULY

-2-0-0	4-4-2	8-4-0	13-0-0	18-8-0	25-1-0	32-0-0
2-0-0	4-4-2	3-11-13	4-8-0	5-8-0	6-5-0	6-11-0

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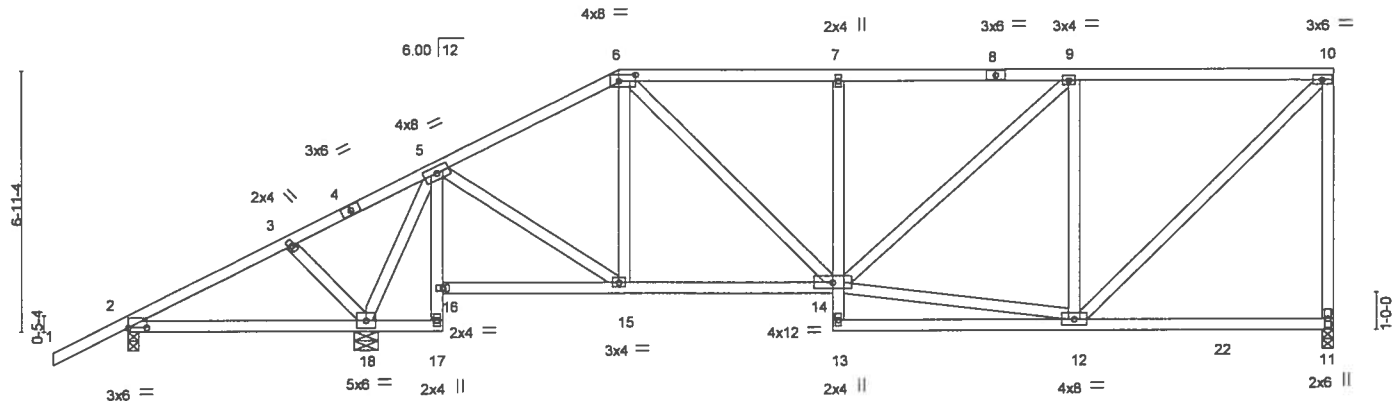

6-3-13	8-4-0	13-0-0	18-8-0	25-1-0	32-0-0
6-3-13	2-0-3	4-8-0	5-8-0	6-5-0	6-11-0

Plate Offsets (X,Y)– [2:0-6-0,0-0-1], [6:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	-0.06	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(TL)	-0.14	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 208 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-17,7-13: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-18,16-17.

REACTIONS. (lb/size) 11=878/0-3-8, 2=89/0-3-8, 18=1499/0-7-10
Max Horz 2=248(LC 12)
Max Uplift 11=-231(LC 9), 2=-70(LC 24), 18=-423(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-423/449, 3-4=-479/521, 4-5=-465/606, 5-6=-771/328, 6-7=-945/487, 7-8=-937/484, 8-9=-937/484, 9-10=-677/335, 10-11=-819/448
BOT CHORD 2-18=-350/73, 14-15=-340/627, 7-14=-337/252
WEBS 3-18=-224/261, 5-18=-1307/704, 5-15=-329/695, 6-15=-252/211, 6-14=-206/479, 12-14=-320/636, 9-14=-190/336, 9-12=-614/427, 10-12=-464/937

NOTES- (8)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 11=231, 18=423.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake
1142756	T13	Half Hip	1	1	T11682559
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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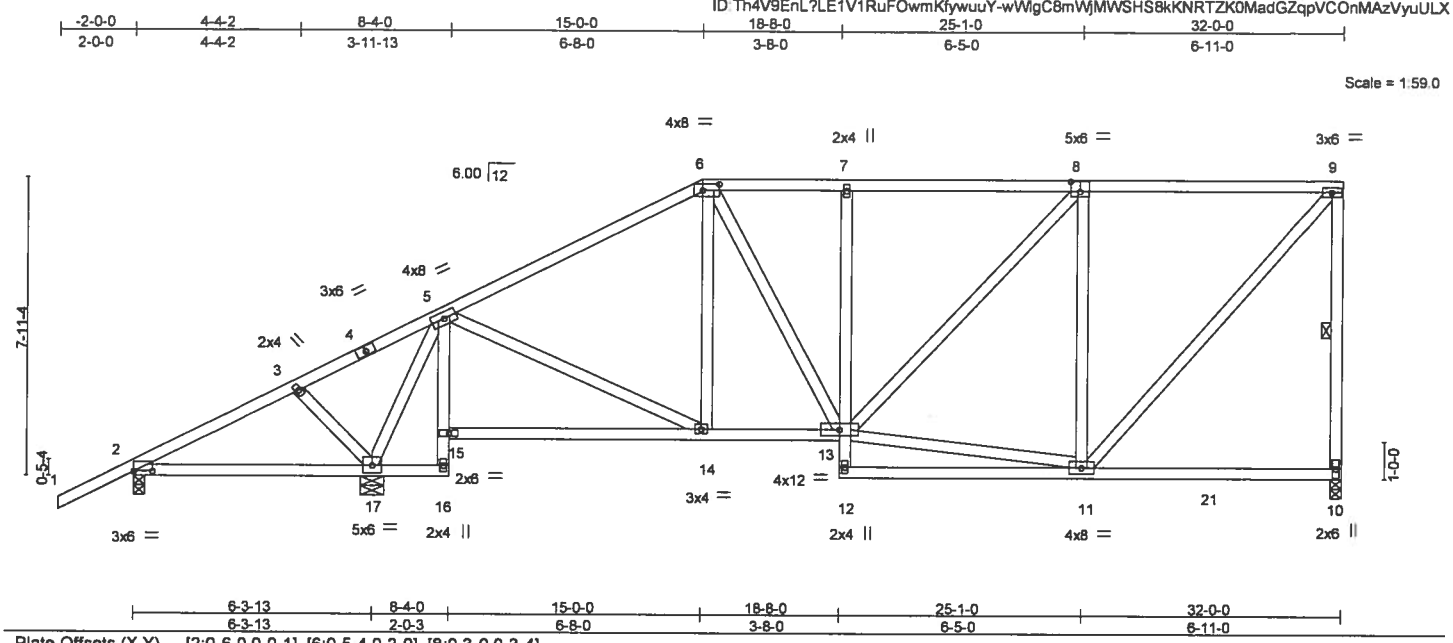

Plate Offsets (X,Y)-- [2:0-6-0,0-0-1], [6:0-5-4,0-2-0], [8:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.08	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(TL)	-0.18	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 218 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-16,7-12: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-6-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-10

REACTIONS. (lb/size) 10=879/0-3-8, 2=93/0-3-8, 17=1494/0-7-10
Max Horz 2=281(LC 12)
Max Uplift 10=-232(LC 9), 2=-52(LC 24), 17=-407(LC 9)

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

TOP CHORD 2-3=-473/447, 3-4=-521/512, 4-5=-508/598, 5-6=-848/353, 6-7=-788/429, 7-8=-788/430, 8-9=-590/303, 9-10=-821/460
BOT CHORD 2-17=-351/66, 13-14=-384/673, 7-13=-269/181
WEBS 5-17=-1325/742, 5-14=-279/631, 6-13=-108/299, 11-13=-305/543, 8-13=-173/270, 8-11=-600/437, 9-11=-451/880

NOTES- (8)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 10=232, 17=407.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682560
1142756	T14	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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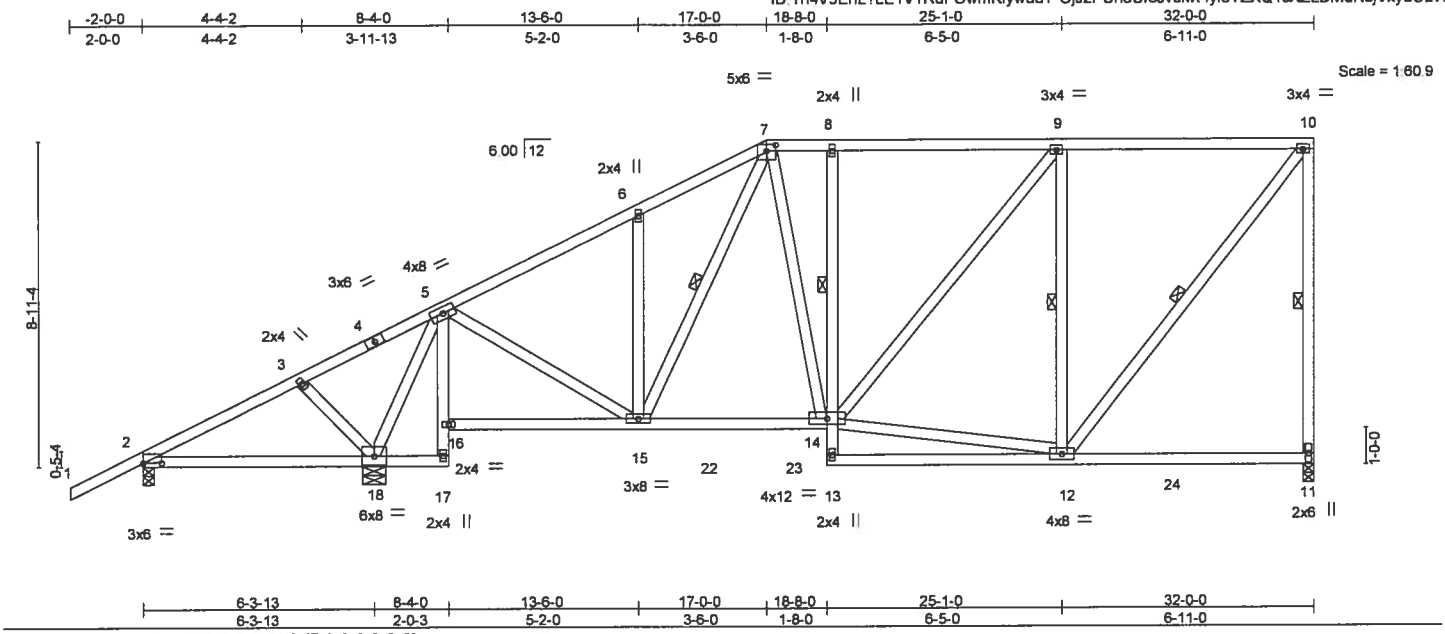

Plate Offsets (X,Y)– [2:0-6-0,0-0-1], [7:0-3-0,0-2-0]

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	0.48	Vert(LL)	-0.09	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(TL)	-0.18	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 234 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-17,8-13: 2x4 SP No.3
WEBS 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 6-0-0 oc bracing. Except:
1 Row at midpt 8-14
WEBS 1 Row at midpt 10-11, 9-12, 10-12, 7-15

REACTIONS. (lb/size) 11=879/0-3-8, 2=92/0-3-8, 18=1494/0-7-10
Max Horz 2=315(LC 12)
Max Uplift 11=-229(LC 9), 2=-47(LC 8), 18=-419(LC 12)
Max Grav 11=888(LC 2), 2=92(LC 1), 18=1494(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-544/442, 3-4=-600/513, 4-5=-586/599, 5-6=-793/282, 6-7=-783/425, 7-8=-689/393, 8-9=-689/394, 9-10=-524/278, 10-11=-821/471
BOT CHORD 2-18=-345/73, 15-22=-378/636, 22-23=-378/636, 14-23=-378/636
WEBS 3-18=-221/264, 5-18=-1307/757, 5-15=-367/687, 6-15=-263/289, 7-14=-92/305, 12-14=-274/505, 9-14=-176/250, 9-12=-596/446, 10-12=-447/842

NOTES- (8)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 11=229, 18=419.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T15	Half Hip	1	1	Job Reference (optional)	T11682561

Builders FirstSource, Lake City, FL 32055

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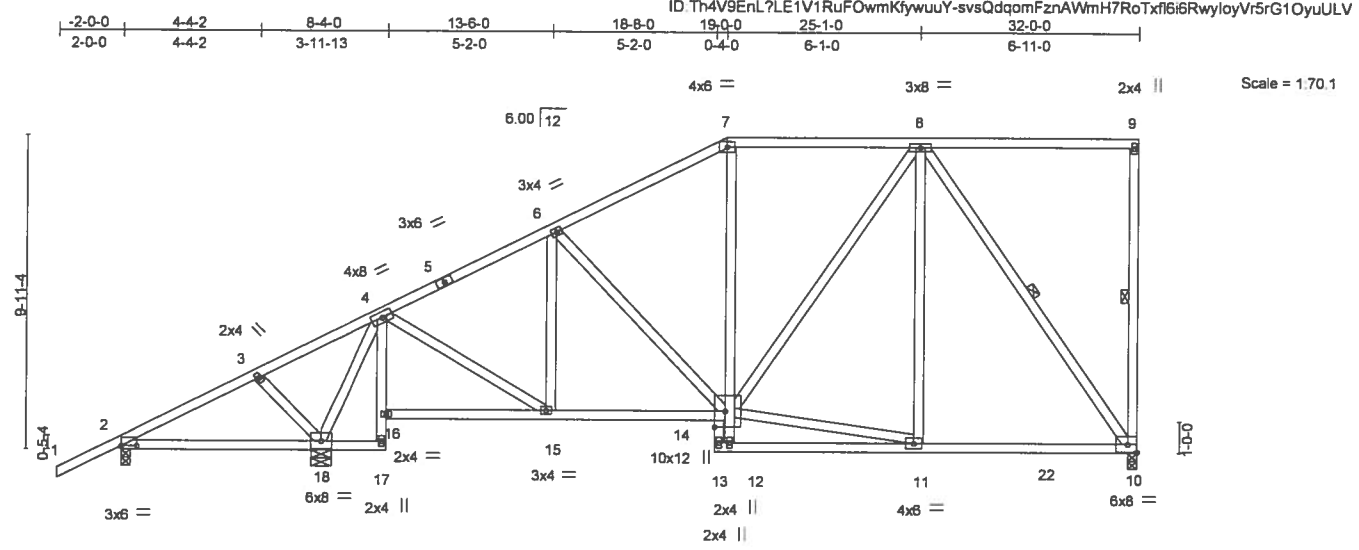

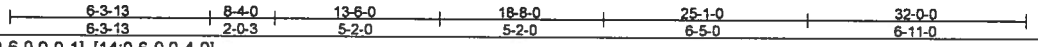

Plate Offsets (X,Y)– [2:0-6-0,0-0-1], [14:0-6-0,0-4-0]

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	0.49	Vert(LL)	-0.10	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(TL)	-0.20	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 231 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-17,7-12: 2x4 SP No.3
WEBS 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 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-10, 8-10

REACTIONS. (lb/size) 10=884/0-3-8, 2=107/0-3-8, 18=1477/0-7-10
Max Horz 2=349(LC 12)
Max Uplift 10=-228(LC 9), 2=-52(LC 8), 18=-439(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-575/435, 3-4=-633/567, 4-5=-812/249, 5-6=-697/262, 6-7=-765/355, 7-8=-617/373
BOT CHORD 2-18=-315/46, 14-15=-450/673, 12-14=0/311, 11-22=-266/479, 10-22=-266/479
WEBS 3-18=-225/270, 4-18=-1292/762, 4-15=-385/687, 8-10=-820/456, 11-14=-255/444

NOTES- (7)
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) 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
2) Provide adequate drainage to prevent water ponding.
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) 2 except (jt=lb) 10=228, 18=439.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T16	Hip	1	1	Job Reference (optional)	T11682562

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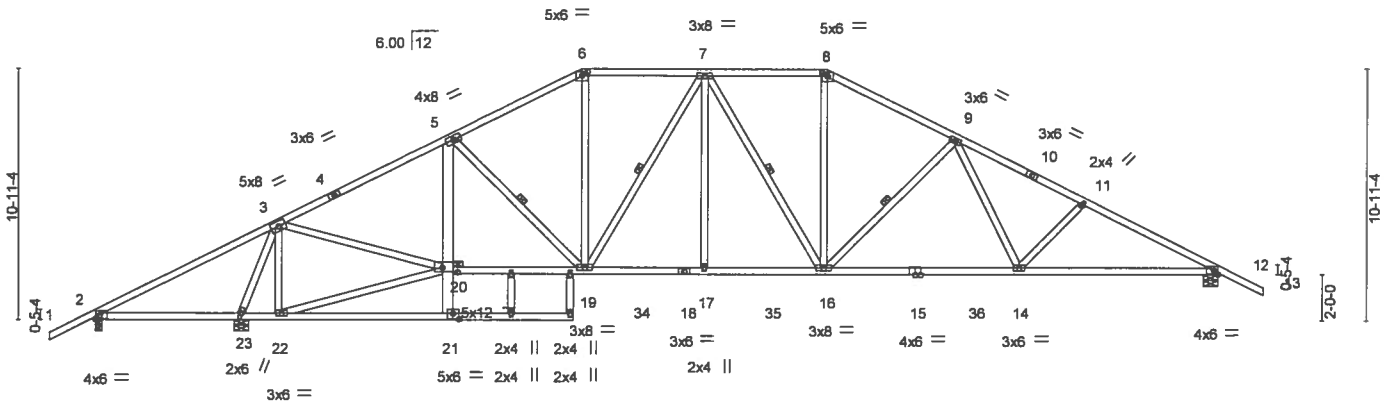
2-0-0	7-11-0	15-5-10	21-0-0	26-4-0	31-8-0	37-2-9	42-9-2	48-8-0	50-8-0
2-0-0	7-11-0	7-6-10	5-6-6	5-4-0	5-4-0	5-6-9	5-6-9	5-10-14	2-0-0

Scale: 1/8"=1'



6-3-13	7-11-0	15-5-10	20-8-0	21-0-0	26-4-0	31-8-0	39-11-13	48-8-0
6-3-13	1-7-3	7-6-10	5-2-6	0-4-0	5-4-0	5-4-0	8-3-13	8-8-3

Plate Offsets (X,Y)– [6:0-3-0,0-2-0], [8:0-3-0,0-2-0], [20:0-7-12,0-2-8], [21:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	-0.25	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(TL)	-0.58	14-16	>884	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.16	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 327 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-21: 2x6 SP No.2, 21-24: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-2-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-3-5 oc bracing. Except:
10-0-0 oc bracing: 20-21
WEBS 1 Row at midpt 5-19, 7-19, 7-16, 9-16
JOINTS 1 Brace at Jt(s): 20

REACTIONS. (lb/size) 2=-173/0-3-8, 23=2390/0-7-10, 12=1600/0-7-10
Max Horz 2=186(LC 12)
Max Uplift 2=-323(LC 26), 23=-464(LC 12), 12=-333(LC 13)
Max Grav 2=6(LC 12), 23=2390(LC 1), 12=1600(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-507/1206, 3-4=-1777/964, 4-5=-1681/989, 5-6=-1757/1056, 6-7=-1507/1006, 7-8=-1704/1097, 8-9=-1971/1158, 9-10=-2511/1396, 10-11=-2574/1383, 11-12=-2779/1457
BOT CHORD 2-23=-988/483, 5-20=-346/232, 19-20=-607/1513, 19-34=-608/1724, 18-34=-608/1724, 17-18=-608/1724, 17-35=-608/1724, 16-35=-608/1724, 15-16=-897/2084, 15-36=-897/2084, 14-36=-897/2084, 12-14=-1159/2419
WEBS 3-23=-2370/1125, 20-22=-258/119, 3-20=-691/1662, 6-19=-256/516, 7-19=-566/215, 8-16=-304/628, 9-16=-563/443, 9-14=-158/439, 11-14=-254/282

NOTES- (8)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=323, 23=464, 12=333.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T17	Piggyback Base	1	1	Job Reference (optional)	T11682563

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2-0-0	7-11-0	7-6-10	5-6-6	5-4-0	5-4-0	5-6-9	5-6-9	5-10-14	2-0-0

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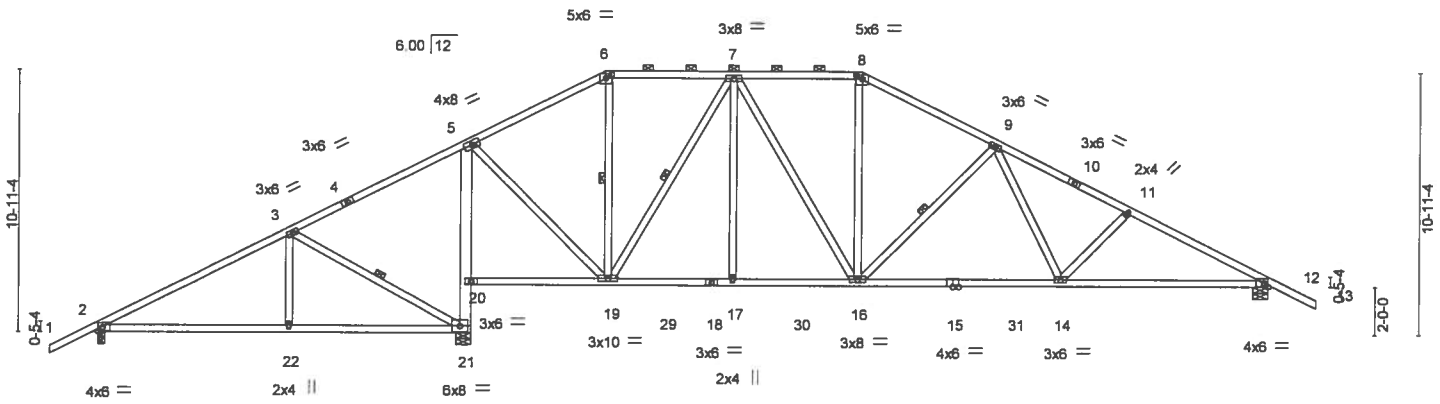

7-11-0	15-5-10	21-0-0	26-4-0	31-8-0	39-11-13	48-8-0
7-11-0	7-6-10	5-6-6	5-4-0	5-4-0	8-3-13	8-8-3

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

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	0.61	Vert(LL)	-0.19	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(TL)	-0.43	14-16	>935	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 298 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-21: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-8 oc purlins, except 2-0-0 oc purlins (5-3-3 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-8-4 oc bracing.
WEBS 1 Row at midpt 3-21, 6-19, 7-19, 9-16

REACTIONS. (lb/size) 2=609/0-3-8, 12=1315/0-7-10, 21=1894/0-7-10
Max Horz 2=186(LC 12)
Max Uplift 2=-252(LC 8), 12=-319(LC 13), 21=-449(LC 9)
Max Grav 2=625(LC 23), 12=1315(LC 1), 21=1894(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-634/856, 4-5=-0/294, 5-6=-746/631, 6-7=-607/623, 7-8=-1151/859, 8-9=-1343/894, 9-10=-1896/1129, 10-11=-1960/1116, 11-12=-2169/1192
BOT CHORD 2-22=-672/491, 21-22=-672/491, 20-21=-1518/694, 5-20=-1457/704, 19-29=-287/1020, 18-29=-287/1020, 17-18=-287/1020, 17-30=-287/1020, 16-30=-287/1020, 15-16=-654/1527, 15-31=-654/1527, 14-31=-654/1527, 12-14=-924/1877
WEBS 3-22=-329/341, 3-21=-657/859, 5-19=-301/1051, 7-19=-817/363, 7-16=-115/301, 8-16=-186/362, 9-16=-568/446, 9-14=-166/452, 11-14=-263/288, 7-17=0/252

NOTES- (9)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=252, 12=319, 21=449.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682564
1142756	T18	Piggyback Base	3	1	Job Reference (optional)	

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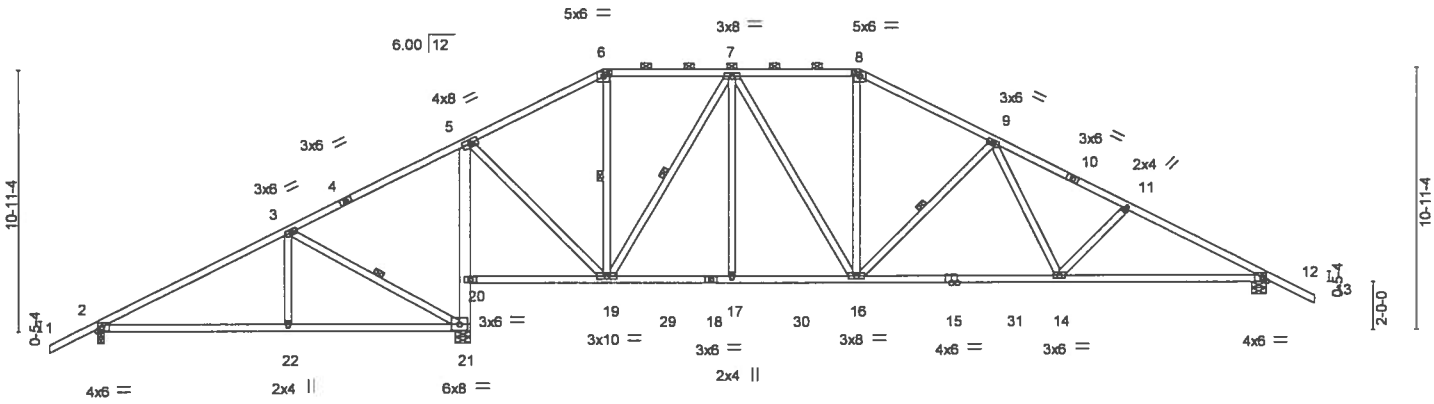
ID:Th4V9EnL?LE1V1RuFOwmKfywuuY-kg6xTCrHJCHc?NbugdYtpbGL72DCEeD5mjpUA9yuULR

2-0-0	7-11-0	15-5-10	21-0-0	26-4-0	31-8-0	37-2-9	42-9-2	48-8-0	50-8-0
2-0-0	7-11-0	7-6-10	5-6-6	5-4-0	5-4-0	5-6-9	5-6-9	5-10-14	2-0-0

Scale = 1:92.6



7-11-0	15-1-13	15-5-10	21-0-0	26-4-0	31-8-0	39-11-13	48-8-0
7-11-0	7-2-13	0-3-13	5-6-6	5-4-0	5-4-0	8-3-13	8-8-3

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

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	0.61	Vert(LL)	-0.19	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(TL)	-0.43	14-16	>935	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 298 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 5-21: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-8 oc purlins, except 2-0-0 oc purlins (5-3-3 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-8-4 oc bracing.
WEBS 1 Row at midpt 3-21, 6-19, 7-19, 9-16

REACTIONS. (lb/size) 2=609/0-3-8, 21=1894/0-7-10, 12=1315/0-7-10
Max Horz 2=186(LC 12)
Max Uplift 2=-252(LC 8), 21=-449(LC 9), 12=-319(LC 13)
Max Grav 2=625(LC 23), 21=1894(LC 1), 12=1315(LC 1)

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

TOP CHORD 2-3=-634/856, 4-5=-0/294, 5-6=-746/631, 6-7=-607/623, 7-8=-1151/859, 8-9=-1343/894, 9-10=-1896/1129, 10-11=-1960/1116, 11-12=-2169/1192
BOT CHORD 2-22=-672/491, 21-22=-672/491, 20-21=-1518/694, 5-20=-1457/704, 19-29=-287/1020, 18-29=-287/1020, 17-18=-287/1020, 17-30=-287/1020, 16-30=-287/1020, 15-16=-654/1527, 15-31=-654/1527, 14-31=-654/1527, 12-14=-924/1877
WEBS 3-22=-329/341, 3-21=-657/859, 5-19=-301/1051, 7-19=-817/363, 7-16=-115/301, 8-16=-186/362, 9-16=-568/446, 9-14=-166/452, 11-14=-263/288, 7-17=0/252

NOTES- (9)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=252, 21=449, 12=319.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake
1142756	T19	Piggyback Base	2	1	T11682565

Job Reference (optional)

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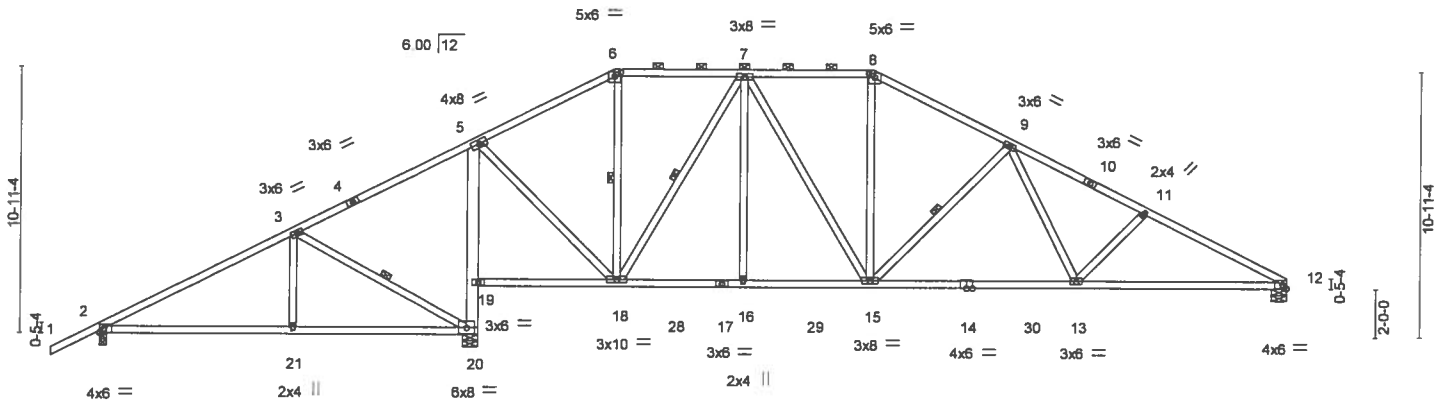
ID:Th4V9EnL?LE1V1RuFOwmKfywuuY-DsgJgYsv4VPSdXA4EL36MppW1SZKz5RE?MY1jbyuULQ

-2-0-0	7-11-0	15-5-10	21-0-0	26-4-0	31-8-0	37-2-9	42-9-2	48-8-0
2-0-0	7-11-0	7-6-10	5-6-6	5-4-0	5-4-0	5-6-9	5-6-9	5-10-14

Scale = 1:91.3



7-11-0	15-1-13	15-5-10	21-0-0	26-4-0	31-8-0	39-11-13	48-8-0
7-11-0	7-2-13	0-3-13	5-6-6	5-4-0	5-4-0	8-3-13	8-8-3

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

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	0.60	Vert(LL)	-0.19	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(TL)	-0.42	13-15	>951	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 295 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-20: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-1 oc purlins, except 2-0-0 oc purlins (5-3-1 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-8-3 oc bracing.
WEBS 1 Row at midpt 3-20, 6-18, 7-18, 9-15

REACTIONS. (lb/size) 2=609/0-3-8, 20=1896/0-7-10, 12=1204/0-7-10
Max Horz 2=201(LC 12)
Max Uplift 2=-244(LC 8), 20=-466(LC 9), 12=-277(LC 13)
Max Grav 2=625(LC 23), 20=1896(LC 1), 12=1204(LC 1)

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

TOP CHORD 2-3=-634/772, 4-5=-24/274, 5-6=-749/590, 6-7=-609/586, 7-8=-1155/841, 8-9=-1347/874, 9-10=-1915/1132, 10-11=-1980/1119, 11-12=-2192/1198
BOT CHORD 2-21=-683/491, 20-21=-683/491, 19-20=-1519/724, 5-19=-1458/734, 18-28=-320/1023, 17-28=-320/1023, 16-17=-320/1023, 16-29=-320/1023, 15-29=-320/1023, 14-15=-696/1537, 14-30=-696/1537, 13-30=-696/1537, 12-13=-979/1902
WEBS 3-21=-330/341, 3-20=-657/861, 5-18=-329/1052, 7-18=-819/374, 7-15=-124/303, 8-15=-176/363, 9-15=-575/453, 9-13=-180/456, 11-13=-275/298, 7-16=0/252

NOTES- (9)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=244, 20=466, 12=277.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682566
1142756	T20	Hip Girder	1	2	Job Reference (optional)	

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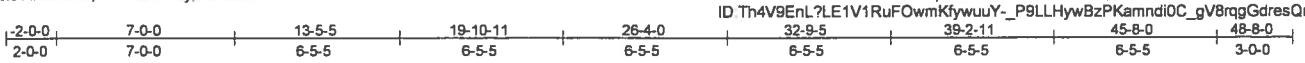

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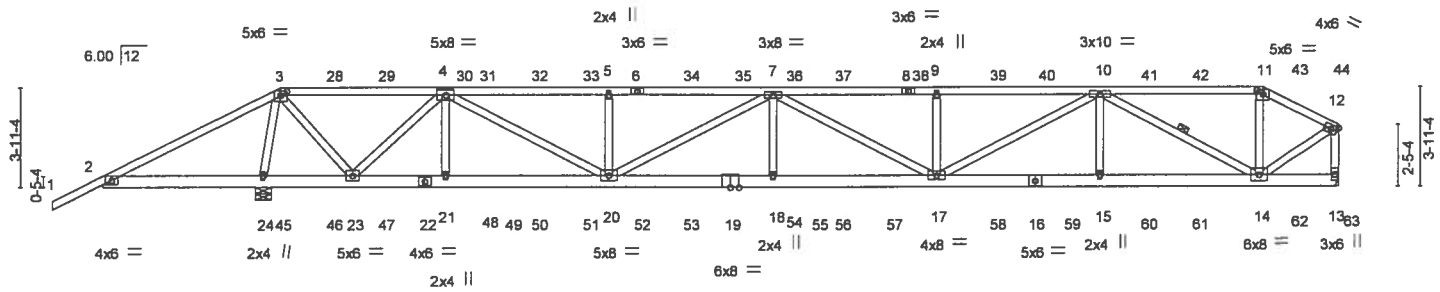

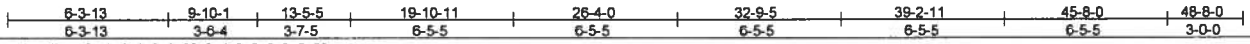

Plate Offsets (X,Y)— [3:0-3-0,0-2-0], [11:0-3-0,0-2-0]

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	0.81	Vert(LL)	-0.42	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(TL)	-0.96	17-18	>530	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.66	Horz(TL)	0.16	13	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 594 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 3-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 10-14

REACTIONS. (lb/size) 24=3816/0-7-10, 13=3089/Mechanical
Max Horz 24=115(LC 8)
Max Uplift 24=-1315(LC 4), 13=-934(LC 4)
Max Grav 24=3816(LC 1), 13=3122(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-237/885, 3-28=-2509/800, 28-29=-2509/800, 29-30=-2509/800, 4-30=-2509/800, 4-31=-8099/2520, 31-32=-8099/2520, 32-33=-8099/2520, 5-33=-8099/2520, 5-6=-8099/2520, 6-34=-8099/2520, 34-35=-8099/2520, 7-35=-8099/2520, 7-36=-8777/2712, 36-37=-8777/2712, 37-38=-8777/2712, 8-38=-8777/2712, 8-9=-8777/2712, 9-39=-8777/2712, 39-40=-8777/2712, 10-40=-8777/2712, 10-41=-2533/783, 41-42=-2533/783, 42-43=-2533/783, 11-43=-2533/783, 11-44=-2732/828, 12-44=-2840/857, 12-13=-3091/934
BOT CHORD 2-24=-726/294, 24-45=-378/366, 45-46=-378/366, 23-46=-378/366, 23-47=-1636/5198, 22-47=-1636/5198, 22-48=-1636/5198, 21-48=-1636/5198, 21-49=-1636/5198, 49-50=-1636/5198, 50-51=-1636/5198, 20-51=-1636/5198, 20-52=-2891/9369, 52-53=-2891/9369, 19-53=-2891/9369, 19-54=-2891/9369, 18-54=-2891/9369, 18-55=-2891/9369, 55-56=-2891/9369, 56-57=-2891/9369, 17-57=-2891/9369, 17-58=-2008/6541, 16-58=-2008/6541, 16-59=-2008/6541, 15-59=-2008/6541, 15-60=-2008/6541, 60-61=-2008/6541, 61-62=-2008/6541, 14-62=-2008/6541
WEBS 3-24=-3701/1247, 3-23=-1007/3448, 4-23=-3823/1223, 4-21=0/479, 4-20=-1013/3386, 5-20=-646/368, 7-20=-1517/465, 7-18=0/536, 7-17=-676/222, 9-17=-646/368, 10-17=-787/2555, 10-15=0/519, 10-14=-4604/1441, 11-14=-120/787, 12-14=-904/3024

NOTES- (12)
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 7-10; 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); cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

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NOTES- (12)

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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 24=1315, 13=934.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 210 lb down and 241 lb up at 7-0-0, 101 lb down and 99 lb up at 9-0-12, 101 lb down and 99 lb up at 11-0-12, 101 lb down and 99 lb up at 13-0-12, 101 lb down and 99 lb up at 15-0-12, 101 lb down and 99 lb up at 17-0-12, 101 lb down and 99 lb up at 19-0-12, 101 lb down and 99 lb up at 21-0-12, 101 lb down and 99 lb up at 23-0-12, 101 lb down and 99 lb up at 25-0-12, 101 lb down and 99 lb up at 27-0-12, 101 lb down and 99 lb up at 29-0-12, 101 lb down and 99 lb up at 31-0-12, 101 lb down and 99 lb up at 33-0-12, 101 lb down and 99 lb up at 35-0-12, 101 lb down and 99 lb up at 37-0-12, 101 lb down and 99 lb up at 39-0-12, 101 lb down and 99 lb up at 41-0-12, 101 lb down and 99 lb up at 43-0-12, and 109 lb down and 99 lb up at 45-0-12, and 141 lb down and 110 lb up at 47-0-12 on top chord, and 146 lb down and 95 lb up at 7-0-0, 79 lb down at 9-0-12, 79 lb down at 11-0-12, 79 lb down at 13-0-12, 79 lb down at 15-0-12, 79 lb down at 17-0-12, 79 lb down at 19-0-12, 79 lb down at 21-0-12, 79 lb down at 23-0-12, 79 lb down at 25-0-12, 79 lb down at 27-0-12, 79 lb down at 29-0-12, 79 lb down at 31-0-12, 79 lb down at 33-0-12, 79 lb down at 35-0-12, 79 lb down at 37-0-12, 79 lb down at 39-0-12, 79 lb down at 41-0-12, 79 lb down at 43-0-12, and 79 lb down at 45-0-12, and 79 lb down at 47-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-11=-54, 11-12=-54, 13-25=-20
   Concentrated Loads (lb)
   Vert: 3=-163(F) 6=-101(F) 9=-101(F) 17=-53(F) 15=-53(F) 10=-101(F) 28=-101(F) 29=-101(F) 30=-101(F) 31=-101(F) 32=-101(F) 33=-101(F) 34=-101(F) 35=-101(F) 36=-101(F) 37=-101(F) 38=-101(F) 39=-101(F) 40=-101(F) 41=-101(F) 42=-101(F) 43=-101(F) 44=-101(F) 45=30(F) 46=-53(F) 47=-53(F) 48=-53(F) 49=-53(F) 50=-53(F) 51=-53(F) 52=-53(F) 53=-53(F) 54=-53(F) 55=-53(F) 56=-53(F) 57=-53(F) 58=-53(F) 59=-53(F) 60=-53(F) 61=-53(F) 62=-53(F) 63=-53(F)

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682567
1142756	T21	Hip	1	1	Job Reference (optional)	

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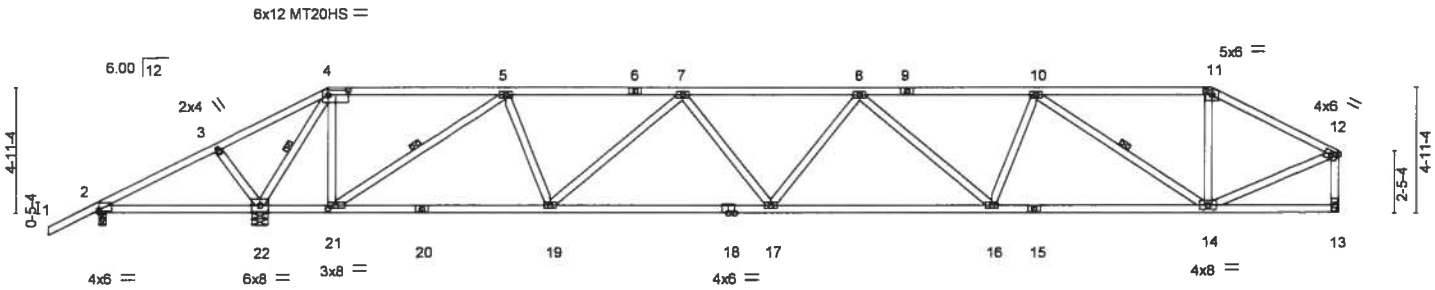
ID:Th4V9EnL?LE1V1RuFOwmKfywuuY-SbjjZdzYyGXBCwMpGkjDDih114bva0wZ3GE0XayuULH

2-0-0	4-8-3	9-0-0	15-11-3	22-10-6	29-9-10	36-8-13	43-8-0	48-8-0
2-0-0	4-8-3	4-3-13	6-11-3	6-11-3	6-11-3	6-11-3	6-11-3	5-0-0

Scale = 1:87.3



6-3-13	9-0-0	17-8-0	26-4-0	35-0-0	43-8-0	48-8-0
6-3-13	2-8-3	8-8-0	8-8-0	8-8-0	8-8-0	5-0-0

Plate Offsets (X,Y)– [2:0-0-0,0-0-11], [4:0-9-8,0-2-4], [11:0-3-0,0-2-0], [21:0-3-8,0-1-8]

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	0.71	Vert(LL)	-0.26	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(TL)	-0.67	16-17	>753	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(TL)	0.14	13	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 260 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-22, 5-21, 10-14

REACTIONS. (lb/size) 2=-604/0-3-8, 22=2886/0-7-10, 13=1417/Mechanical
Max Horz 2=128(LC 12)
Max Uplift 2=-803(LC 24), 22=-779(LC 9), 13=-327(LC 8)
Max Grav 2=137(LC 8), 22=2886(LC 1), 13=1417(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-916/1947, 3-4=-944/2079, 4-5=-94/320, 5-6=-1851/949, 6-7=-1851/949, 7-8=-2842/1424, 8-9=-2689/1362, 9-10=-2689/1362, 10-11=-1361/745, 11-12=-1565/764, 12-13=-1380/701
BOT CHORD 2-22=-1711/753, 21-22=-363/242, 20-21=-699/1530, 19-20=-699/1530, 18-19=-1229/2610, 17-18=-1229/2610, 16-17=-1395/2946, 15-16=-1195/2537, 14-15=-1195/2537
WEBS 3-22=-269/289, 4-22=-2919/1343, 4-21=-529/1352, 5-21=-2240/1110, 5-19=-340/917, 7-19=-1019/554, 7-17=-107/415, 8-16=-363/220, 10-16=-100/490, 10-14=-1457/704, 11-14=-94/424, 12-14=-637/1439

NOTES- (11)
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) 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=803, 22=779, 13=327.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake
1142756	T22	Hip	1	1	T11682568

Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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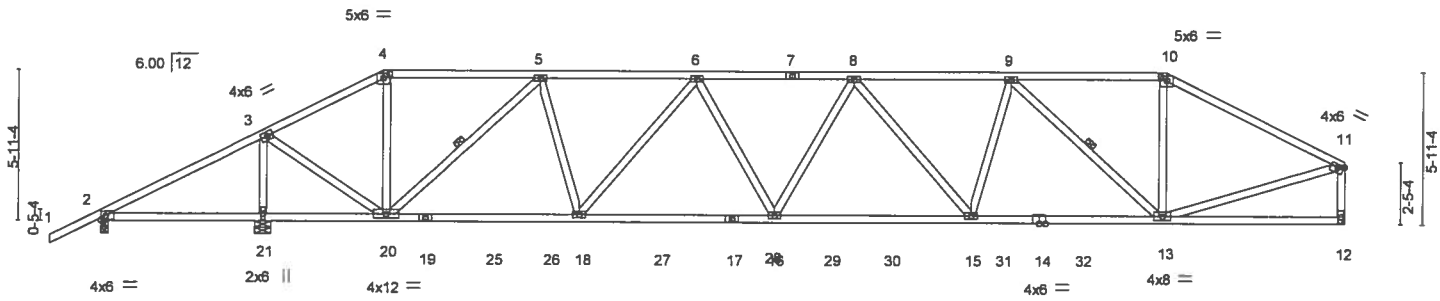
ID:Th4V9EnL?LE1V1RuFOwmKfywuuY-woG5mzzBjaf2p3x?pRFSmwEBAUyrJWCjlwzZ30yuULG

-2-0-0	6-3-13	11-0-0	17-1-10	23-3-3	29-4-13	35-6-6	41-8-0	48-8-0
2-0-0	6-3-13	4-8-3	6-1-10	6-1-10	6-1-10	6-1-10	6-1-10	7-0-0

Scale = 1:87.3



6-3-13	11-0-0	18-8-0	26-4-0	34-0-0	41-8-0	48-8-0
6-3-13	4-8-3	7-8-0	7-8-0	7-8-0	7-8-0	7-0-0

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

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	0.82	Vert(LL)	-0.21	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(TL)	-0.52	15-16	>966	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.11	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 273 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-1-8 oc bracing.
WEBS 1 Row at midpt 5-20, 9-13

REACTIONS. (lb/size) 2=-285/0-3-8, 21=2519/0-7-10, 12=1464/Mechanical
Max Horz 2=140(LC 12)
Max Uplift 2=-501(LC 24), 21=-642(LC 9), 12=-319(LC 8)
Max Grav 2=43(LC 8), 21=2519(LC 1), 12=1464(LC 1)

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

TOP CHORD 2-3=-617/1377, 3-4=-687/407, 4-5=-552/405, 5-6=-1916/1054, 6-7=-2525/1339, 7-8=-2525/1339, 8-9=-2395/1279, 9-10=-1527/873, 10-11=-1780/884, 11-12=-1400/744

BOT CHORD 2-21=-1189/511, 20-21=-1189/511, 19-20=-796/1715, 19-25=-796/1715, 25-26=-796/1715, 18-26=-796/1715, 18-27=-1121/2387, 27-28=-1121/2387, 17-28=-1121/2387, 16-17=-1121/2387, 16-29=-1214/2581, 29-30=-1214/2581, 15-30=-1214/2581, 15-31=-1067/2292, 14-31=-1067/2292, 14-32=-1067/2292, 13-32=-1067/2292

WEBS 3-21=-2361/1219, 3-20=-871/2066, 5-20=-1616/793, 5-18=-280/829, 6-18=-758/402, 6-16=-72/336, 8-15=-322/189, 9-15=-106/478, 9-13=-1105/520, 10-13=-110/507, 11-13=-656/1509

NOTES- (10)

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) 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) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MT20 unless otherwise indicated.
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) except (jt=lb) 2=501, 21=642, 12=319.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682569
1142756	T23	Hip	1	1	Job Reference (optional)	

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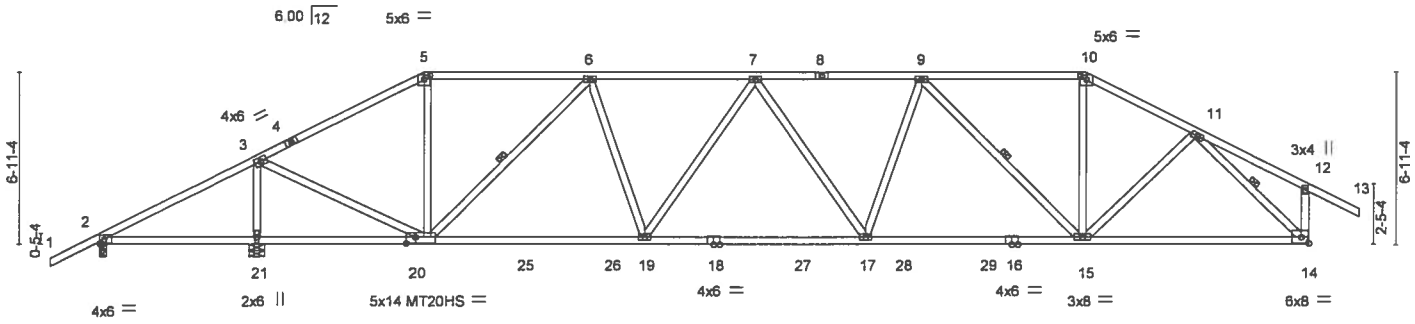
ID:Th4V9EnL?LE1V1RuFOwmKfywuuY-O_qU_I_pUuovRDWBN9mhl7mPmtPm2zPsXaj7cSyuULF

-2-0-0	6-3-13	13-0-0	19-8-0	26-4-0	33-0-0	39-8-0	44-0-4	48-8-0	50-8-0
2-0-0	6-3-13	6-8-3	6-8-0	6-8-0	6-8-0	6-8-0	4-4-4	4-7-12	2-0-0

Scale = 1:89.5



6-3-13	13-0-0	21-10-11	30-9-5	39-8-0	48-8-0
6-3-13	6-8-3	8-10-11	8-10-11	8-10-11	9-0-0

Plate Offsets (X,Y)-- [5:0-3-0,0-2-0], [10:0-3-0,0-2-0], [20:0-4-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.20	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(TL)	-0.47	19-20	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.09	14	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 280 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 *Except*
2-20: 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-20, 9-15, 11-14

REACTIONS. (lb/size) 2=-13/0-3-8, 21=2204/0-7-10, 14=1624/Mechanical
Max Horz 2=137(LC 12)
Max Uplift 2=-221(LC 26), 21=-528(LC 9), 14=-327(LC 8)
Max Grav 2=6(LC 23), 21=2204(LC 1), 14=1624(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-322/785, 3-4=-1216/653, 4-5=-1126/676, 5-6=-997/670, 6-7=-2134/1176, 7-8=-2307/1259, 8-9=-2307/1259, 9-10=-1604/944, 10-11=-1835/993, 12-14=-268/342
BOT CHORD 2-21=-654/292, 20-21=-654/292, 20-25=-823/1937, 25-26=-823/1937, 19-26=-823/1937, 18-19=-1007/2315, 18-27=-1007/2315, 17-27=-1007/2315, 17-28=-957/2203, 28-29=-957/2203, 16-29=-957/2203, 15-16=-957/2203, 14-15=-614/1306
WEBS 3-21=-2054/1101, 3-20=-737/1840, 5-20=-40/302, 6-20=-1341/637, 6-19=-157/636, 7-19=-386/242, 9-17=-21/357, 9-15=-920/441, 10-15=-221/560, 11-15=-96/473, 11-14=-1802/880

NOTES- (11)
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) 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=221, 21=528, 14=327.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T24	Hip	1	1	Job Reference (optional)	T11682570

Builders FirstSource, Lake City, FL 32055

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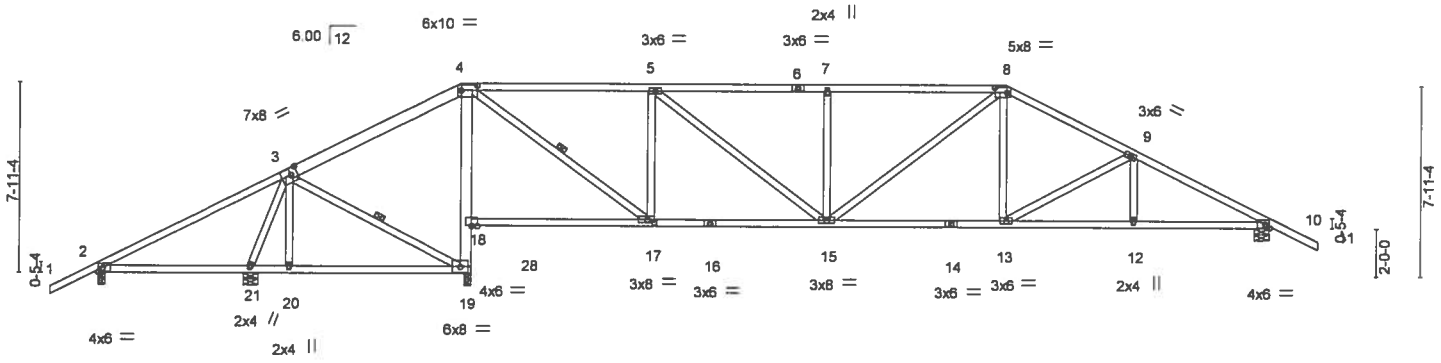
ID:Th4V9EnL?LE1V1RuFOwmKfywuuY-sAOsBe?RFBwl3N4OxsHwrLJY?Hi_nSl?mESg8vyuULE

-2-0-0	7-11-0	15-0-0	22-11-0	30-2-10	37-8-0	42-11-13	48-8-0	50-8-0
2-0-0	7-11-0	7-1-0	7-11-0	7-3-10	7-5-6	5-3-13	5-8-3	2-0-0

Scale = 1:92.6



6-3-13	7-11-0	15-2-0	22-11-0	30-2-10	37-8-0	42-11-13	48-8-0
6-3-13	1-7-3	7-3-0	7-9-0	7-3-10	7-5-6	5-3-13	5-8-3

Plate Offsets (X,Y)-- [3:0-3-4,0-3-4], [4:0-8-0,0-2-8], [8:0-6-0,0-2-8], [17:0-3-8,0-1-8]

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	0.67	Vert(LL)	-0.12	15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.60	Vert(TL)	-0.33	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(TL)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 280 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 3-4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 4-19: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-7 oc bracing.
WEBS 1 Row at midpt 3-19, 4-17

REACTIONS. All bearings 0-3-8 except (jt=length) 21=0-7-10, 10=0-7-10.
(lb) - Max Horz 2=148(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-135(LC 8), 21=-121(LC 12), 19=-367(LC 9), 10=-280(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=395(LC 23), 21=356(LC 23), 19=1775(LC 1), 10=1312(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-11/301, 4-5=-1190/861, 5-6=-1741/1093, 6-7=-1741/1093, 7-8=-1741/1093, 8-9=-1807/1016, 9-10=-2185/1144
BOT CHORD 18-19=-1532/662, 4-18=-1459/681, 16-17=-493/1189, 15-16=-493/1189, 14-15=-623/1566, 13-14=-623/1566, 12-13=-885/1891, 10-12=-885/1891
WEBS 3-21=-266/118, 3-19=-368/281, 4-17=-796/1738, 5-17=-851/511, 5-15=-306/704, 7-15=-420/317, 8-15=-154/345, 8-13=-110/402, 9-13=-379/301

NOTES- (8)
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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 2, 121 lb uplift at joint 21, 367 lb uplift at joint 19 and 280 lb uplift at joint 10.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682571
1142756	T25	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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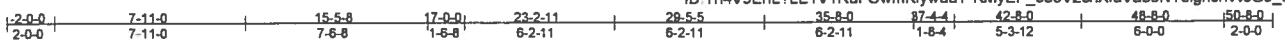

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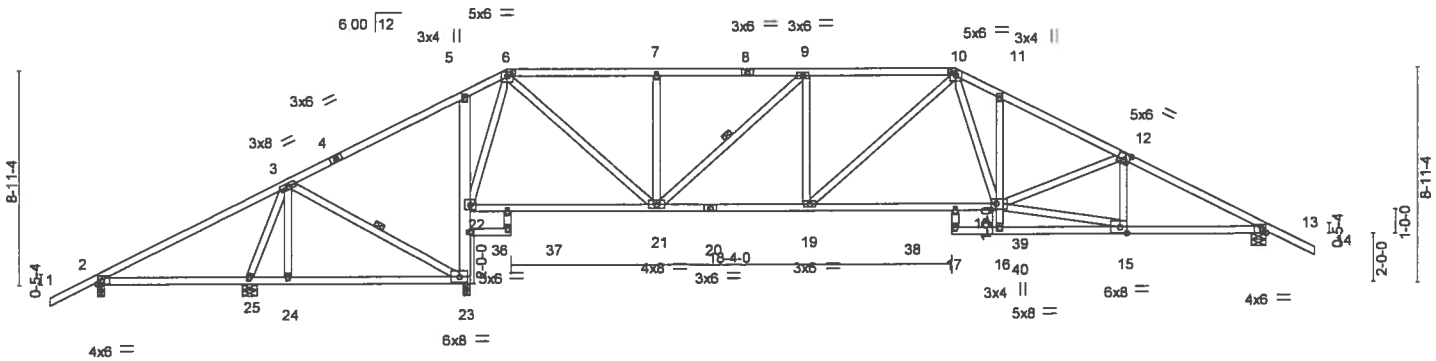

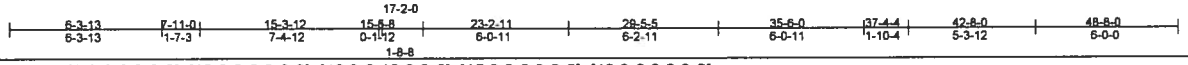

Plate Offsets (X,Y)-- [6:0-3-0,0-2-0], [10:0-3-0,0-2-0], [12:0-2-12,0-3-0], [15:0-3-8,0-3-0], [18:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.19	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(TL)	-0.52	18-19	>768	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.05	13	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 302 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-23: 2x6 SP No.2, 11-16,26-27: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-7-6 oc bracing. Except:
10-0-0 oc bracing: 16-18
WEBS 1 Row at midpt 3-23, 9-21

REACTIONS. All bearings 0-3-8 except (jt=length) 13=0-7-10, 25=0-7-10.
(lb) - Max Horz 2=161(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-141(LC 8), 13=-291(LC 13), 25=-112(LC 12), 23=-326(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 2=407(LC 23), 13=1352(LC 24), 25=381(LC 23), 23=1734(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-28/273, 5-6=-37/332, 6-7=-1293/880, 7-8=-1293/880, 8-9=-1293/880, 9-10=-1790/1079, 10-11=-2228/1261, 11-12=-2261/1165, 12-13=-2260/1147
BOT CHORD 22-23=-1507/650, 22-36=-31/251, 36-37=-31/251, 21-37=-31/251, 20-21=-672/1790, 19-20=-672/1790, 19-38=-626/1729, 38-39=-626/1729, 18-39=-626/1729, 13-15=-884/1956
WEBS 3-25=-288/124, 3-23=-331/258, 6-22=-1259/441, 6-21=-617/1414, 9-21=-678/282, 10-18=-394/794, 15-18=-831/1913, 12-15=-295/208, 7-21=-356/273, 9-19=-1/259

NOTES- (9)
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) 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) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 2, 291 lb uplift at joint 13, 112 lb uplift at joint 25 and 326 lb uplift at joint 23.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	
1142756	T26	Hip	1	1	Job Reference (optional)	T11682572

Builders FirstSource, Lake City, FL 32055

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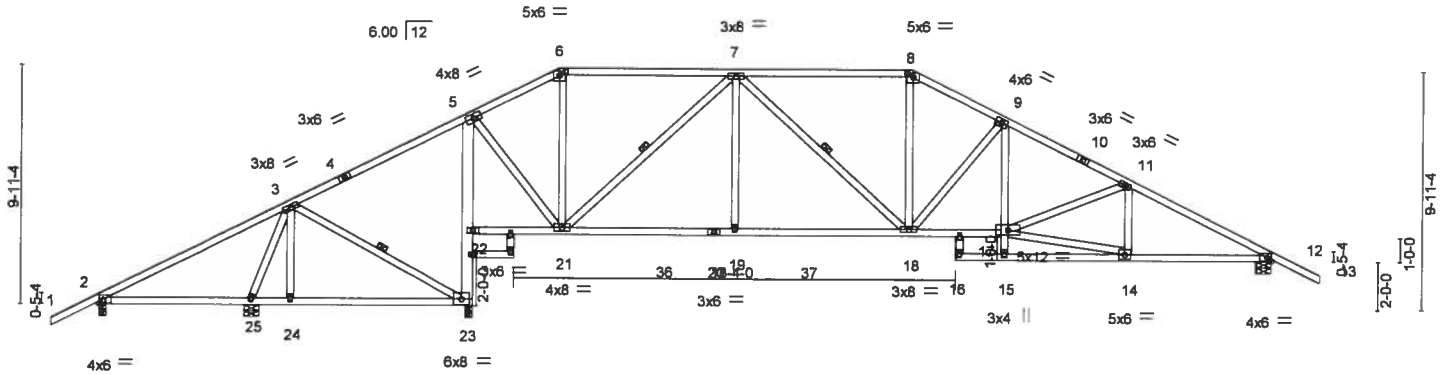

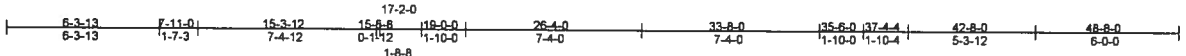

Plate Offsets (X,Y)-- [6:0-3-0,0-2-0], [8:0-3-0,0-2-0]

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	0.62	Vert(LL)	-0.14	16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(TL)	-0.34	16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.06	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 307 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-23: 2x6 SP No.2, 9-15,26-27: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-9-1 oc bracing. Except:
10-0-0 oc bracing: 15-17
WEBS 1 Row at midpt 3-23, 7-21, 7-18

REACTIONS. All bearings 0-3-8 except (jt=length) 12=0-7-10, 25=0-7-10.
(lb) - Max Horz 2=174(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-145(LC 8), 12=-305(LC 13), 25=-108(LC 12), 23=-294(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 2=409(LC 23), 12=1353(LC 1), 25=400(LC 23), 23=1711(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-74/253, 4-5=-47/278, 5-6=-687/594, 6-7=-572/572, 7-8=-1543/965, 8-9=-1761/1026, 9-10=-2193/1187, 10-11=-2257/1172, 11-12=-2258/1156
BOT CHORD 22-23=-1490/656, 5-22=-1456/657, 21-36=-470/1392, 20-36=-470/1392, 19-20=-470/1392, 19-37=-470/1392, 18-37=-470/1392, 17-18=-774/1967, 9-17=-185/511, 12-14=-891/1954
WEBS 3-25=-307/128, 3-23=-319/256, 5-21=-325/1092, 7-21=-1128/505, 7-19=0/364, 8-18=-248/528, 9-18=-675/417, 14-17=-847/1854, 11-14=-289/212

NOTES- (9)

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) 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) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 2, 305 lb uplift at joint 12 , 108 lb uplift at joint 25 and 294 lb uplift at joint 23.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682573
1142756	T27	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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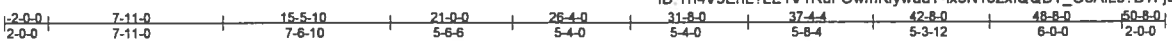

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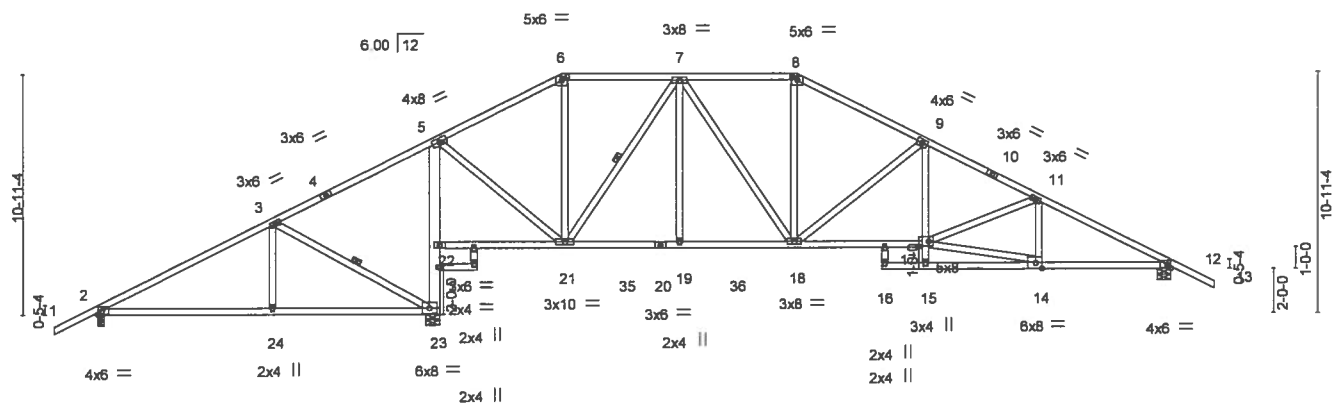

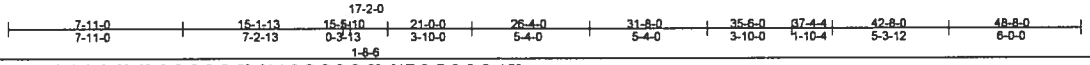

Plate Offsets (X,Y)– [6:0-3-0,0-2-0], [8:0-3-0,0-2-0], [14:0-3-8,0-3-0], [17:0-5-8,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	0.15	24-31	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(TL)	-0.33	16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(TL)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 309 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-23: 2x6 SP No.2, 9-15,25-26: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-8-13 oc bracing. Except:
10-0-0 oc bracing: 15-17
WEBS 1 Row at midpt 3-23, 7-21

REACTIONS. (lb/size) 2=632/0-3-8, 12=1351/0-7-10, 23=1875/0-7-10
Max Horz 2=186(LC 12)
Max Uplift 2=-260(LC 8), 12=-317(LC 13), 23=-440(LC 9)
Max Grav 2=642(LC 23), 12=1351(LC 1), 23=1875(LC 1)

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

TOP CHORD 2-3=-670/904, 3-4=-62/278, 4-5=-21/302, 5-6=-888/680, 6-7=-724/667, 7-8=-1338/915, 8-9=-1567/951, 9-10=-2150/1210, 10-11=-2262/1196, 11-12=-2251/1169
BOT CHORD 2-24=-715/523, 23-24=-715/523, 22-23=-1499/658, 5-22=-1439/670, 21-35=-346/1170, 20-35=-346/1170, 19-20=-346/1170, 19-36=-346/1170, 18-36=-346/1170, 17-18=-811/1989, 9-17=-170/576, 12-14=-900/1946
WEBS 3-24=-328/341, 3-23=-655/857, 5-21=-278/1069, 7-21=-816/357, 7-19=0/266, 7-18=-106/314, 8-18=-202/443, 9-18=-839/520, 14-17=-841/1865, 11-14=-290/210

NOTES- (8)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 2, 317 lb uplift at joint 12 and 440 lb uplift at joint 23.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake
1142756	T28	Piggyback Base	2	1	T11682574
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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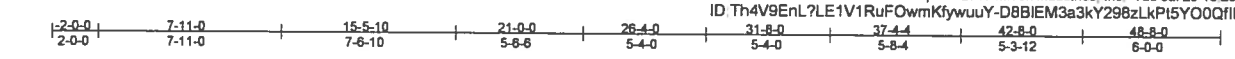

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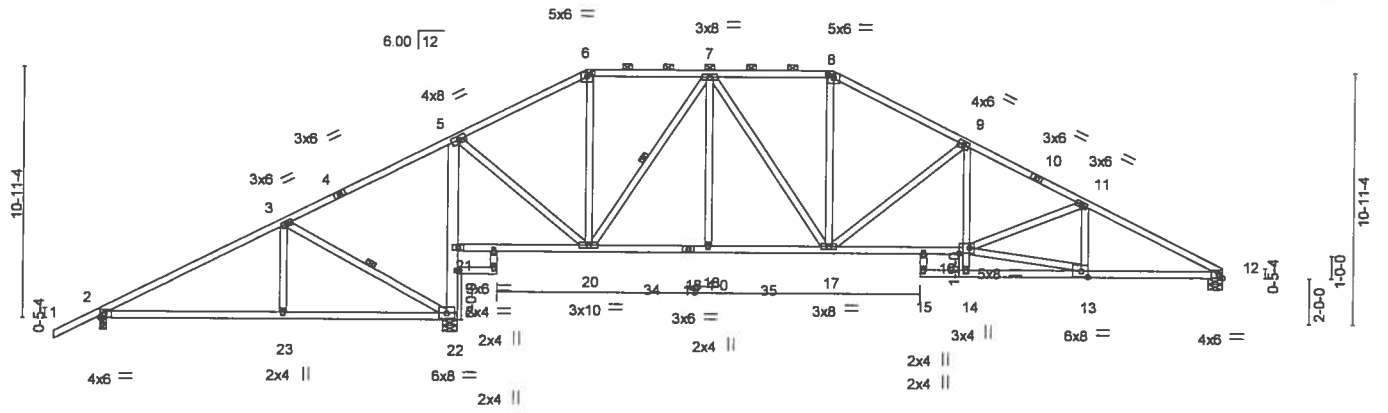

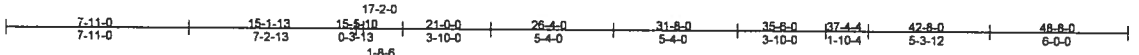

Plate Offsets (X,Y)-- [6:0-3-0,0-2-0], [8:0-3-0,0-3-0], [13:0-3-8,0-3-0], [16:0-5-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	0.16	23-30	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(TL)	-0.34	15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 306 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-22: 2x6 SP No.2, 9-14,24-25: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-14 oc purlins, except 2-0-0 oc purlins (4-10-2 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing. Except: 10-0-0 oc bracing: 14-16
WEBS 1 Row at midpt 3-22, 7-20

REACTIONS. (lb/size) 2=632/0-3-8, 12=1240/0-7-10, 22=1877/0-7-10
Max Horz 2=201(LC 12)
Max Uplift 2=-252(LC 8), 12=-275(LC 13), 22=-459(LC 9)
Max Grav 2=642(LC 23), 12=1240(LC 1), 22=1877(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-670/814, 5-6=-891/641, 6-7=-726/632, 7-8=-1343/904, 8-9=-1572/939, 9-10=-2163/1213, 10-11=-2276/1196, 11-12=-2280/1178
BOT CHORD 2-23=-721/523, 22-23=-721/523, 21-22=-1501/689, 5-21=-1441/702, 20-34=-381/1173, 19-34=-381/1173, 18-19=-381/1173, 18-35=-381/1173, 17-35=-381/1173, 16-17=-860/2001, 9-16=-182/579, 12-13=-958/1975
WEBS 3-23=-328/341, 3-22=-655/859, 5-20=-309/1072, 7-20=-819/368, 7-17=-118/317, 8-17=-195/444, 9-17=-847/530, 13-16=-900/1898, 11-13=-284/212, 7-18=0/266

NOTES- (9)
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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 252 lb uplift at joint 2, 275 lb uplift at joint 12 and 459 lb uplift at joint 22.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682575
1142756	T29	Piggyback Base	2	1	Job Reference (optional)	

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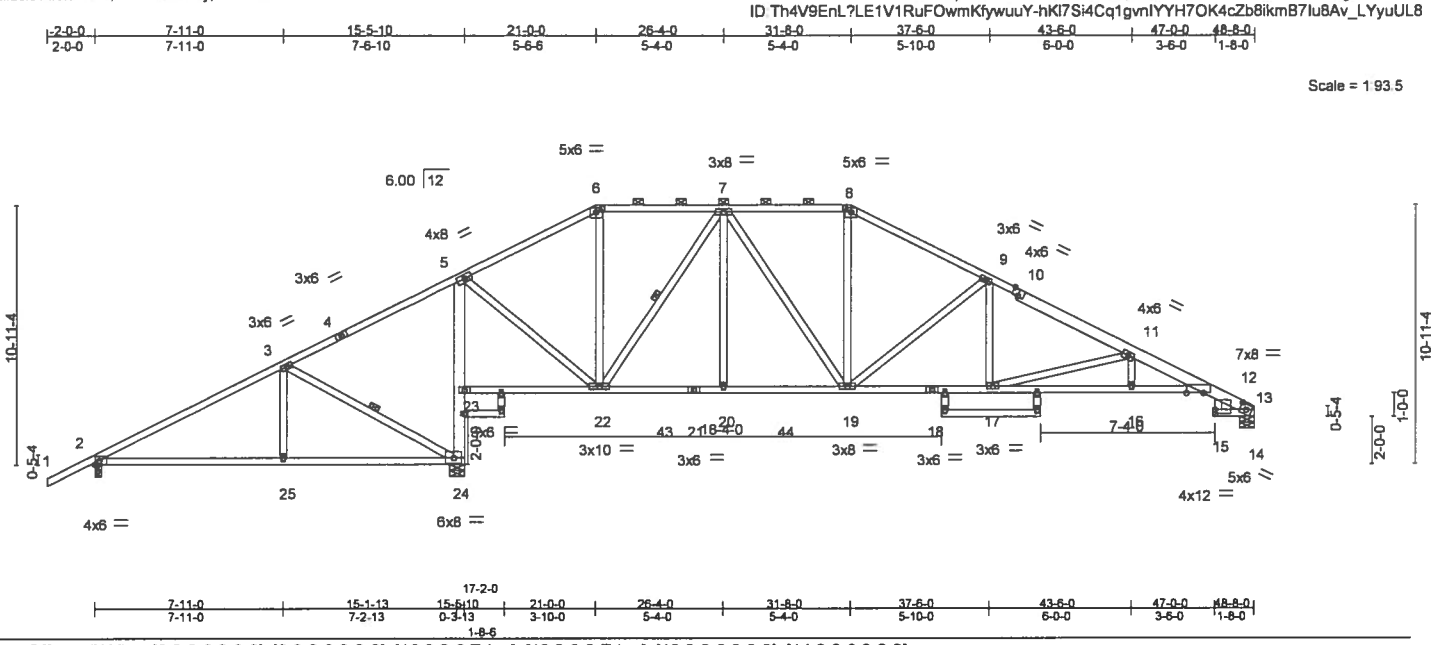

Plate Offsets (X,Y)— [6:0-3-0,0-2-0], [8:0-3-0,0-2-0], [10:0-3-0,Edge], [12:0-8-8,Edge], [13:0-0-0,0-2-3], [14:0-3-0,0-2-9]

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	0.63	Vert(LL)	-0.17	16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.64	Vert(TL)	-0.42	16-17	>963	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(TL)	0.18	14	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 309 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 10-14: 2x6 SP M 26
BOT CHORD 2x4 SP No.2 *Except* 5-24: 2x6 SP No.2, 13-15,26-27,29-30: 2x4 SP No.3, 12-18: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except 2-0-0 oc purlins (5-0-5 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-7-6 oc bracing.
WEBS 1 Row at midpt 3-24, 7-22

REACTIONS. (lb/size) 2=618/0-3-8, 14=1199/0-7-10, 24=1863/0-7-10
Max Horz 2=202(LC 12)
Max Uplift 2=-248(LC 8), 14=-280(LC 13), 24=-464(LC 9)
Max Grav 2=634(LC 23), 14=1199(LC 1), 24=1863(LC 1)

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

TOP CHORD 2-3=-654/792, 4-5=-21/255, 5-6=-835/619, 6-7=-676/612, 7-8=-1253/883, 8-9=-1471/915, 9-10=-1988/1173, 10-11=-2120/1159, 11-12=-3137/1693, 12-13=-494/301, 13-14=-856/483
BOT CHORD 2-25=-704/509, 24-25=-704/509, 23-24=-1488/699, 5-23=-1426/710, 22-43=-364/1105, 21-43=-364/1105, 20-21=-364/1105, 20-44=-364/1105, 19-44=-364/1105, 18-19=-822/1824, 17-18=-822/1824, 16-17=-1511/2939, 12-16=-1511/2939, 14-15=-147/270
WEBS 3-25=-330/343, 3-24=-655/860, 5-22=-322/1064, 7-22=-787/367, 7-20=0/271, 7-19=-117/278, 8-19=-183/389, 9-19=-735/504, 9-17=-147/467, 11-17=-1155/714, 11-16=-31/286

NOTES- (10)

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) 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) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 2, 280 lb uplift at joint 14 and 464 lb uplift at joint 24.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682576
1142756	T30	Piggyback Base	1	1	Job Reference (optional)	

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ID:Th4V9EnL?LE1V1RuFOwmKfywuuY-djttN5SMfwd0ciwPYQo91exrWQMf5VBbUO5QRyuUL6

-2-0-0	7-11-0	15-5-10	21-0-0	26-4-0	31-8-0	36-0-0	39-8-0	43-6-0	47-0-0	48-8-0
2-0-0	7-11-0	7-6-10	5-6-6	5-4-0	5-4-0	4-4-0	3-8-0	3-10-0	3-6-0	1-8-0

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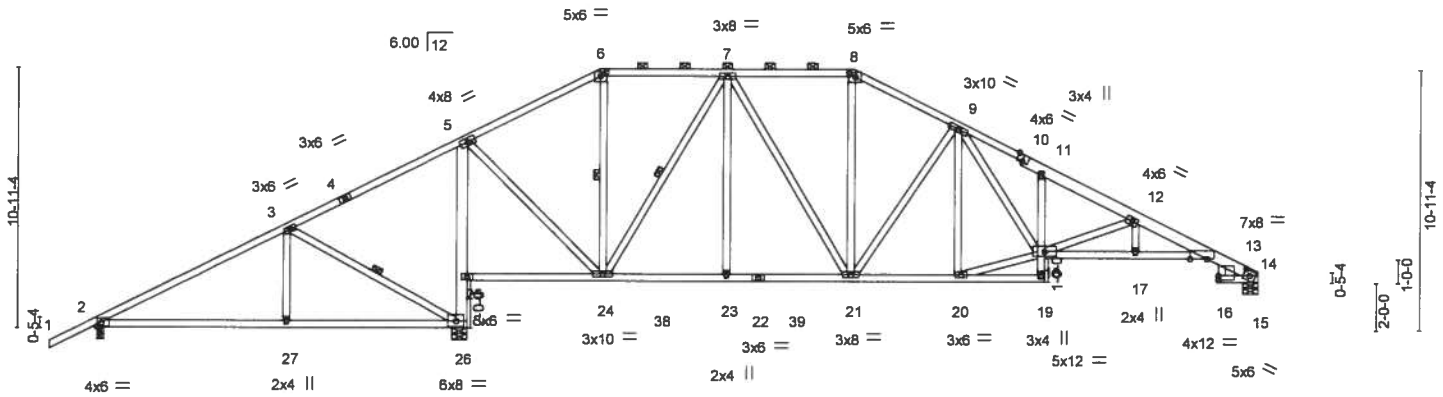

7-11-0	15-1-13	15-5-10	21-0-0	26-4-0	31-8-0	36-0-0	39-8-0	43-6-0	47-0-0	48-8-0
7-11-0	7-2-13	0-3-13	5-6-6	5-4-0	5-4-0	4-4-0	3-8-0	3-10-0	3-6-0	1-8-0

Plate Offsets (X,Y)— [6:0-3-0,0-2-0], [8:0-3-0,0-2-0], [10:0-3-0,Edge], [13:0-8-8,0-0-0], [14:0-0-0,0-2-3], [15:0-3-0,0-2-9]

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	0.61	Vert(LL)	-0.17	18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(TL)	-0.39	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.17	15	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 326 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 10-15: 2x6 SP M 26
BOT CHORD 2x4 SP No.2 *Except* 5-26: 2x6 SP No.2, 11-19,14-16: 2x4 SP No.3, 13-18: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-2 oc purlins, except 2-0-0 oc purlins (5-5-3 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-4-8 oc bracing.
WEBS 1 Row at midpt 3-26, 6-24, 7-24

REACTIONS. (lb/size) 2=571/0-3-8, 15=1176/0-7-10, 26=1933/0-7-10
Max Horz 2=202(LC 12)
Max Uplift 2=-237(LC 8), 15=-273(LC 13), 26=-467(LC 9)
Max Grav 2=603(LC 23), 15=1176(LC 1), 26=1933(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-586/725, 4-5=-26/330, 5-6=-671/547, 6-7=-530/548, 7-8=-1063/803, 8-9=-1239/842, 9-10=-2142/1340, 10-11=-2220/1327, 11-12=-2284/1259, 12-13=-3110/1669, 13-14=-484/294, 14-15=-840/472
BOT CHORD 2-27=-644/448, 26-27=-644/448, 25-26=-1558/746, 5-25=-1492/754, 24-25=-252/162, 24-38=-286/930, 23-38=-286/930, 22-23=-286/930, 22-39=-286/930, 21-39=-286/930, 20-21=-569/1354, 17-18=-1487/2922, 13-17=-1487/2922, 15-16=-143/265
WEBS 3-27=-332/345, 3-26=-660/863, 5-24=-354/1090, 7-24=-792/374, 7-21=-124/282, 8-21=-185/330, 18-20=-531/1291, 9-18=-623/1097, 12-17=-51/251, 12-18=-1018/607, 9-20=-276/172, 9-21=-521/391, 7-23=0/288

NOTES- (9)

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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 237 lb uplift at joint 2, 273 lb uplift at joint 15 and 467 lb uplift at joint 26.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682577
1142756	T31	Common Girder	1	2	Job Reference (optional)	

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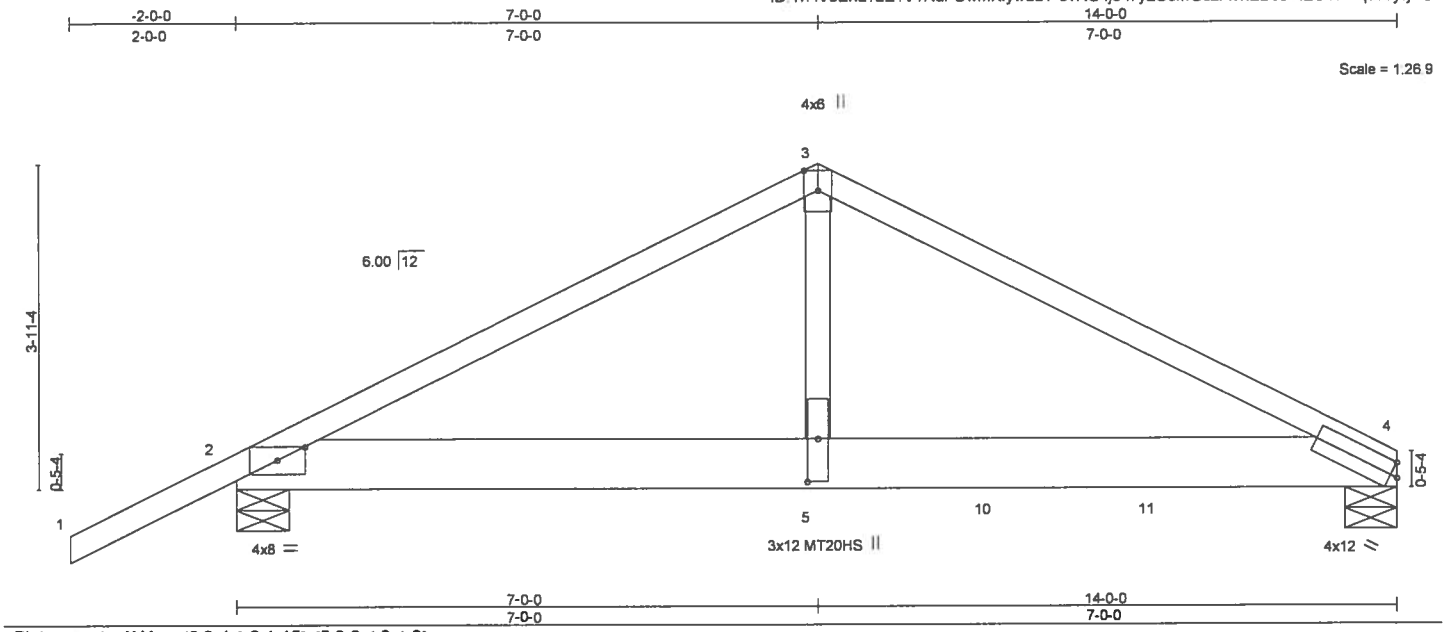

Plate Offsets (X,Y)— [2:0-4-0,0-1-15], [5:0-6-4,0-1-8]

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	0.51	Vert(LL)	-0.13	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(TL)	-0.28	5-7	>592	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.63	Horz(TL)	0.03	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 3-4: 2x4 SP M 31
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=5598/0-7-10, 2=3093/0-7-10
Max Horz 2=70(LC 31)
Max Uplift 4=-1363(LC 9), 2=-832(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6717/1783, 3-4=-6669/1769
BOT CHORD 2-5=-1536/5939, 5-10=-1536/5939, 10-11=-1536/5939, 4-11=-1536/5939
WEBS 3-5=-1453/5559

NOTES- (11)
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: 2x8 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-4-0 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 7-10; 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); Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1363 lb uplift at joint 4 and 832 lb uplift at joint 2.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3102 lb down and 962 lb up at 7-1-9, 1397 lb down and 347 lb up at 9-0-12, and 1444 lb down and 339 lb up at 11-0-12, and 1604 lb down and 346 lb up at 13-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

Continued on 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: 1-3=-54, 3-4=-54, 2-4=-20

Concentrated Loads (lb)

Vert: 5=-3102(B) 7=-1604(B) 10=-1397(B) 11=-1444(B)

Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake
1142756	T32	Hip Girder	1	1	T11682578

Job Reference (optional)

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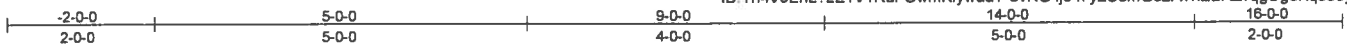

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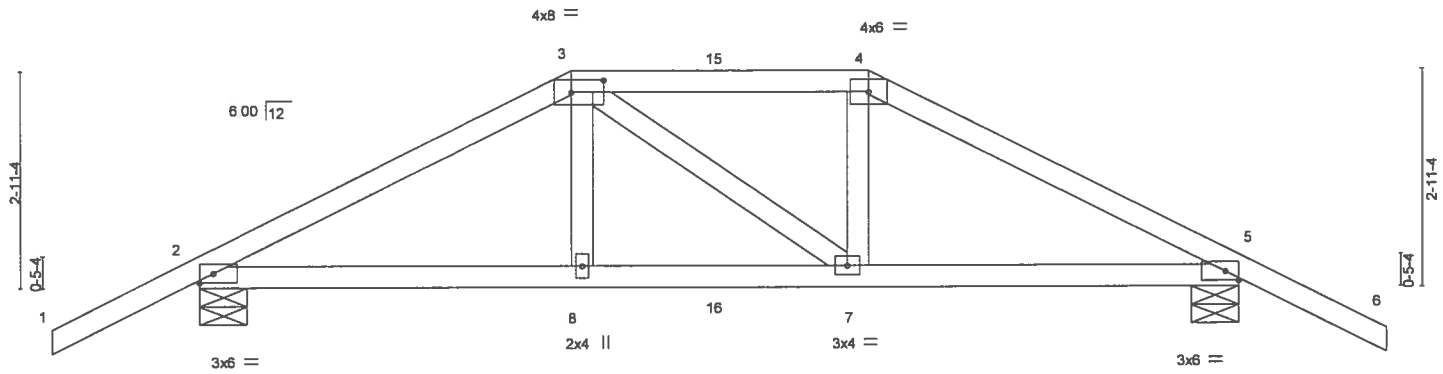

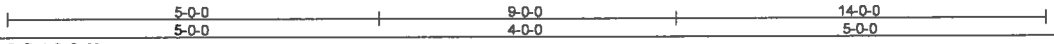

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	0.07	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(TL)	-0.07	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(TL)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 64 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-2 oc bracing.

REACTIONS. (lb/size) 2=840/0-7-10, 5=840/0-7-10
Max Horz 2=-48(LC 25)
Max Uplift 2=-500(LC 8), 5=-500(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1201/887, 3-15=-1025/823, 4-15=-1025/823, 4-5=-1201/887
BOT CHORD 2-8=-750/1016, 8-16=-756/1024, 7-16=-756/1024, 5-7=-734/1017
WEBS 3-8=-110/284, 4-7=-115/285

NOTES- (10)
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); Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 500 lb uplift at joint 2 and 500 lb uplift at joint 5.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 164 lb down and 238 lb up at 5-0-0, and 53 lb down and 106 lb up at 7-0-0, and 164 lb down and 238 lb up at 9-0-0 on top chord, and 95 lb down and 127 lb up at 5-0-0, and 44 lb down and 56 lb up at 7-0-0, and 95 lb down and 127 lb up at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 4-6=-54, 9-12=-20
Concentrated Loads (lb)
Vert: 3=-117(F) 4=-117(F) 8=-56(F) 7=-56(F) 15=-53(F) 16=-29(F)

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Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake
1142756	T33	Hip Girder	1	1	T11682579

Job Reference (optional)

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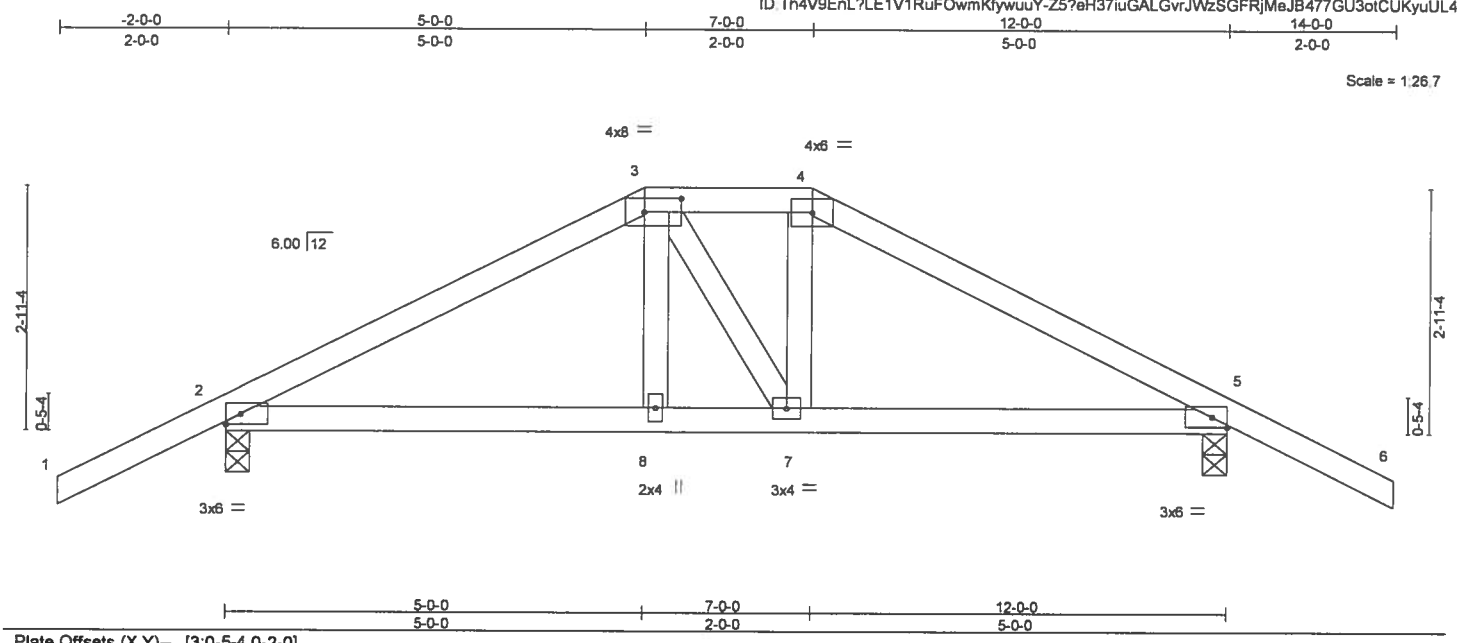

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	0.04	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.30	Vert(TL)	-0.05	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.08	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 56 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-8 oc bracing.

REACTIONS. (lb/size) 2=725/0-3-8, 5=725/0-3-8
Max Horz 2=-48(LC 6)
Max Uplift 2=-445(LC 5), 5=-445(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-947/739, 3-4=-796/684, 4-5=-948/739
BOT CHORD 2-8=-623/789, 7-8=-630/795, 5-7=-603/790

NOTES- (10)
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); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 445 lb uplift at joint 2 and 445 lb uplift at joint 5.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 164 lb down and 238 lb up at 5-0-0, and 164 lb down and 238 lb up at 7-0-0 on top chord, and 131 lb down and 127 lb up at 5-0-0, and 131 lb down and 127 lb up at 6-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 4-6=-54, 9-12=-20
Concentrated Loads (lb)
Vert: 3=-117(F) 4=-117(F) 8=-56(F) 7=-56(F)

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Job	Truss	Truss Type	Qty	Ply	Housecraft - Lot 24 Laurel Lake	T11682580
1142756	T34	Common	1	1	Job Reference (optional)	

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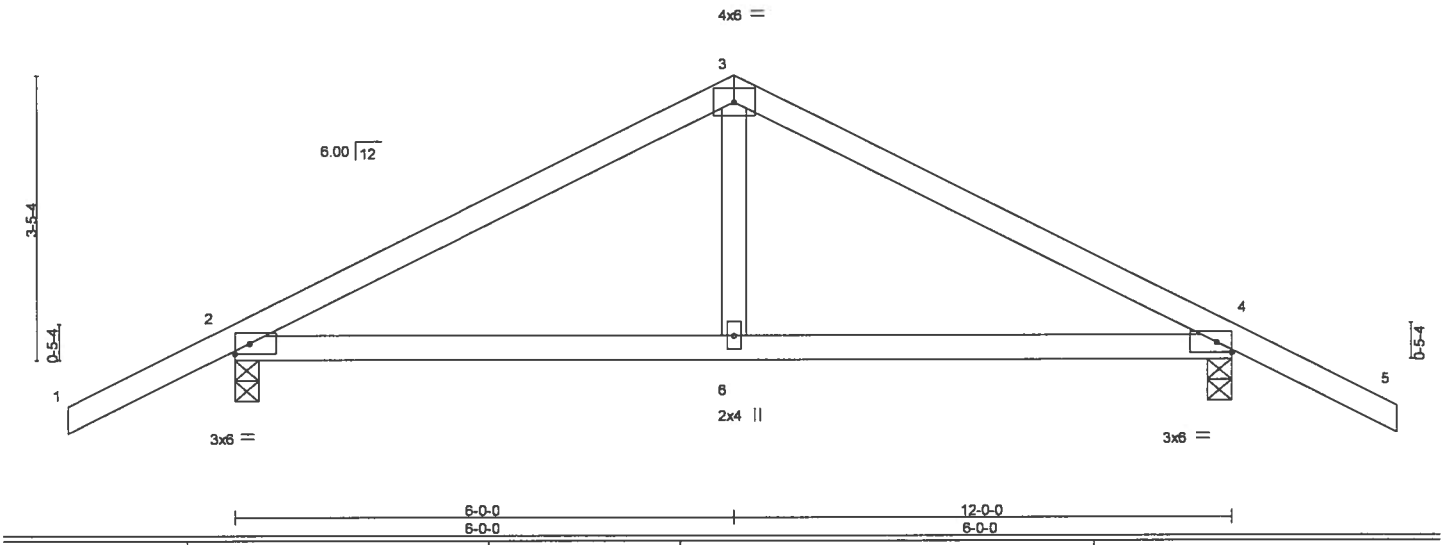

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	0.07	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(TL)	-0.06	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 49 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 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 7-7-9 oc bracing.

REACTIONS. (lb/size) 2=552/0-3-8, 4=552/0-3-8
Max Horz 2=-54(LC 10)
Max Uplift 2=-192(LC 9), 4=-192(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-560/772, 3-4=-560/772
BOT CHORD 2-6=-532/437, 4-6=-532/437
WEBS 3-6=-389/256

NOTES- (7)
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) 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 192 lb uplift at joint 2 and 192 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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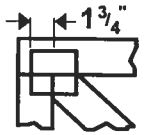
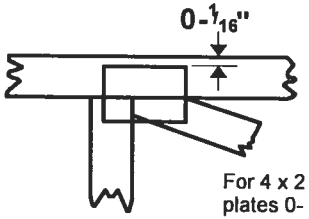
Symbols

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

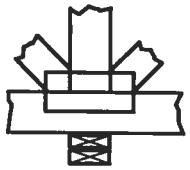
4 x 4

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

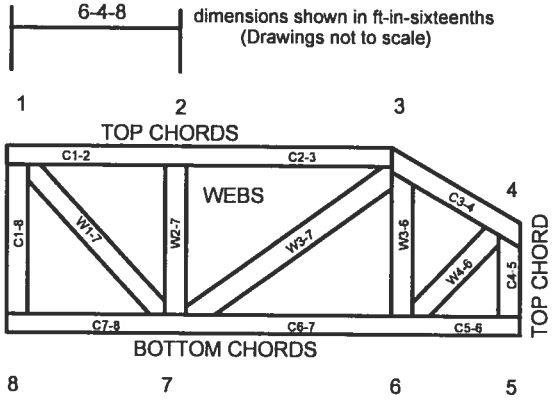


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

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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.

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Note: T-Bracing / I-Bracing to be used when continuous lateral bracing is impractical. T-Brace / I-Brace must cover 90% of web length.

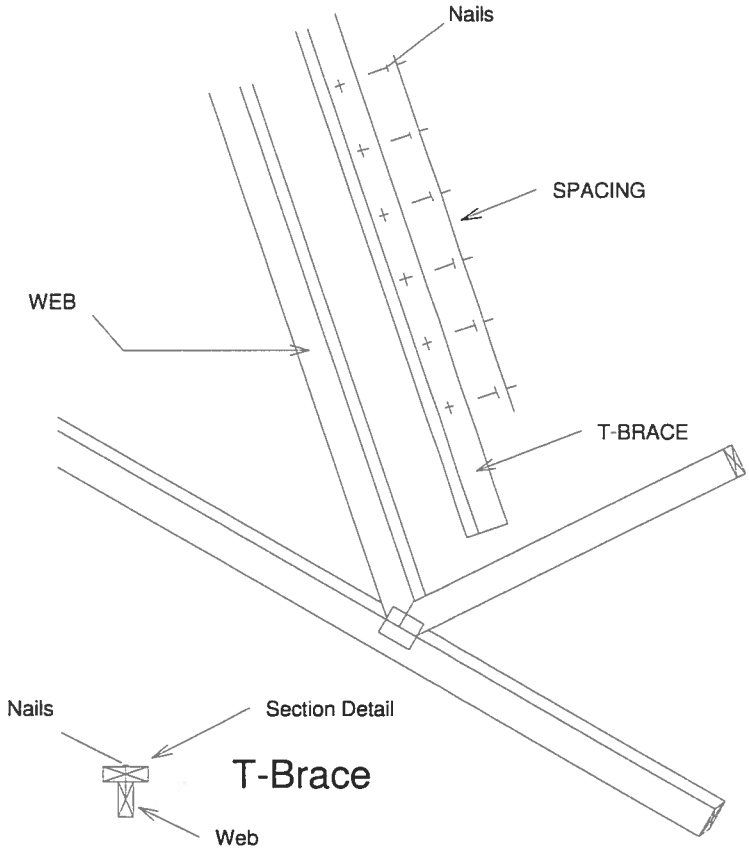
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

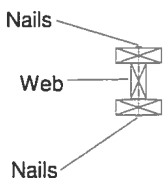
	Brace Size for One-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

	Brace Size for Two-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

T-Brace / I-Brace must be same species and grade (or better) as web member.



T-Brace



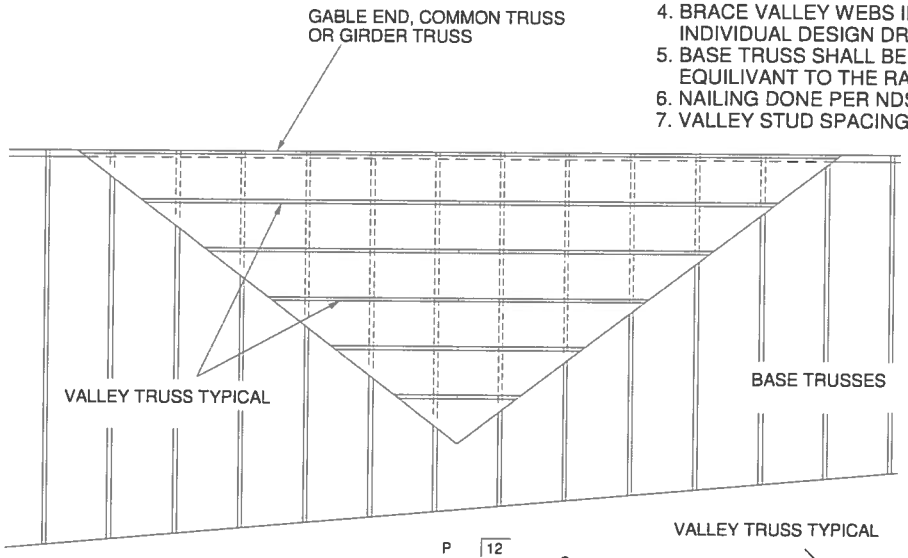
I-Brace

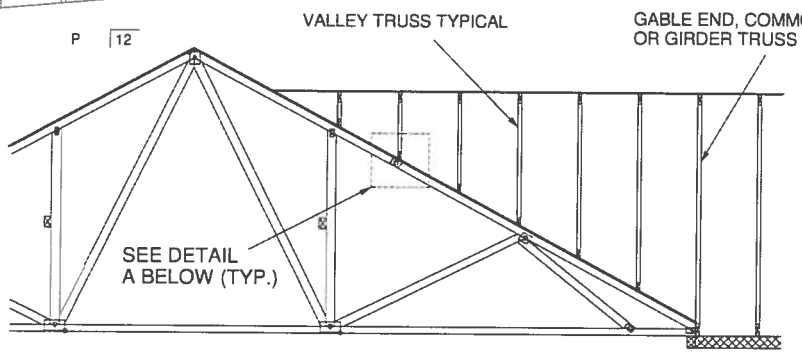
FEBRUARY 14, 2012	TRUSSED VALLEY SET DETAIL	ST-VALLEY HIGH WIND1

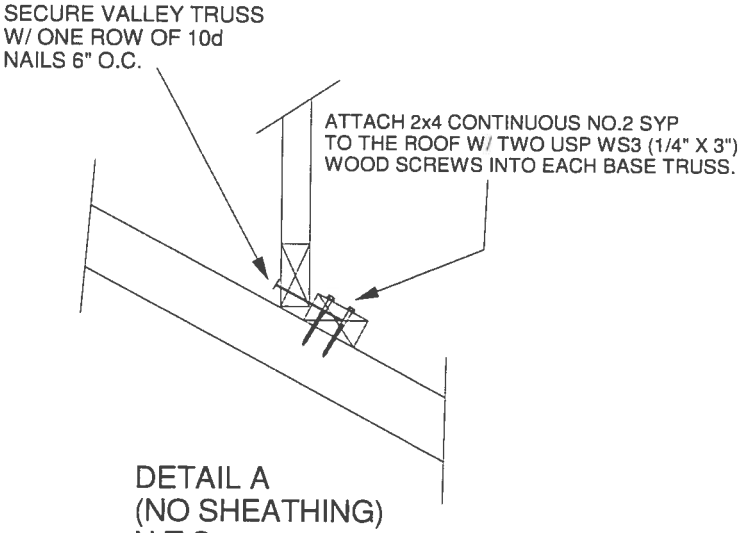
MiTek USA, Inc.

GENERAL SPECIFICATIONS

1. NAIL SIZE = 3" X 0.131" = 10d
2. WOOD SCREW = 3" WS3 USP OR EQUIVALENT
   DO NOT USE DRYWALL OR DECKING TYPE SCREW
3. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND
   SECURE PER DETAIL A
4. BRACE VALLEY WEBS IN ACCORDANCE WITH THE
   INDIVIDUAL DESIGN DRAWINGS.
5. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING
   EQUILIVANT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
6. NAILING DONE PER NDS - 01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.







DETAIL A
(NO SHEATHING)
N.T.S.

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF
ON THE TRUSSES

JANUARY 28, 2015	LATERAL TOE-NAIL DETAIL	ST-TOENAIL_SP

MiTek USA, Inc.

NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 45 DEGREES WITH THE MEMBER AND MUST HAVE FULL WOOD SUPPORT. (NAIL MUST BE DRIVEN THROUGH AND EXIT AT THE BACK CORNER OF THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE TWO SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	DIAM.	SP	DF	HF	SPF	SPF-S
3.5" LONG	.131	88.0	80.6	69.9	68.4	59.7
	.135	93.5	85.6	74.2	72.6	63.4
	.162	108.8	99.6	86.4	84.5	73.8
3.25" LONG	.128	74.2	67.9	58.9	57.6	50.3
	.131	75.9	69.5	60.3	59.0	51.1
	.148	81.4	74.5	64.6	63.2	52.5

VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

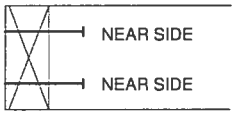
EXAMPLE:
(3) - 16d NAILS (.162" diam. x 3.5") WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:
3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity

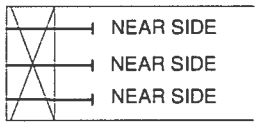
THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

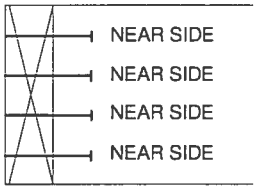
SIDE VIEW
(2x3)
2 NAILS

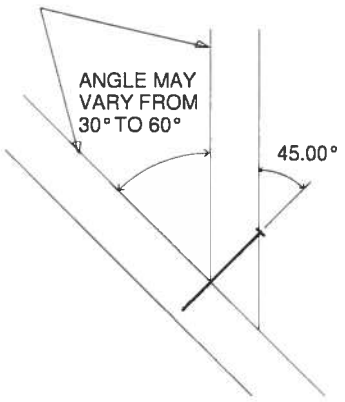


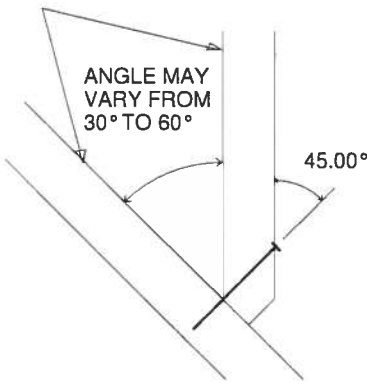
SIDE VIEW
(2x4)
3 NAILS

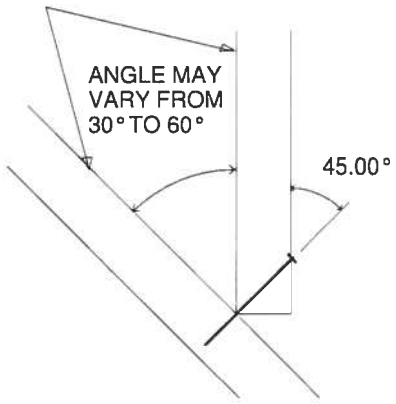


SIDE VIEW
(2x6)
4 NAILS









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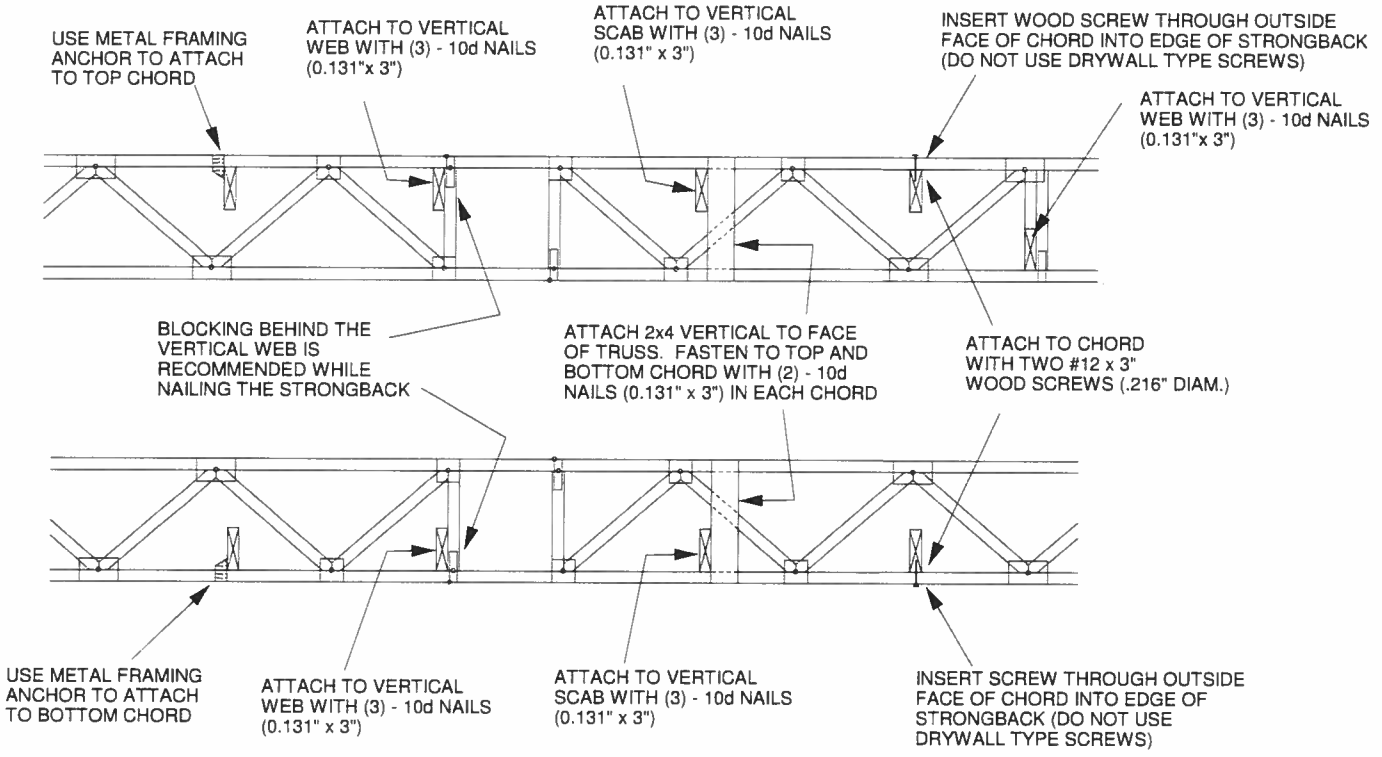
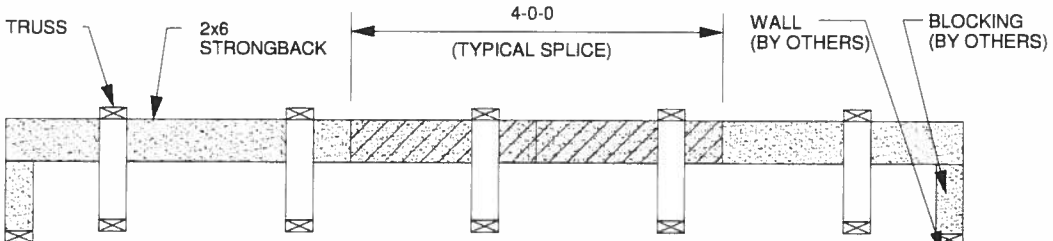
TO MINIMIZE VIBRATION COMMON TO ALL SHALLOW FRAMING SYSTEMS, 2x6 "STRONGBACK" IS RECOMMENDED, LOCATED EVERY 8 TO 10 FEET ALONG A FLOOR TRUSS.

NOTE 1: 2X6 STRONGBACK ORIENTED VERTICALLY MAY BE POSITIONED DIRECTLY UNDER THE TOP CHORD OR DIRECTLY ABOVE THE BOTTOM CHORD. SECURELY FASTENED TO THE TRUSS USING ANY OF THE METHODS ILLUSTRATED BELOW.

NOTE 2: STRONGBACK BRACING ALSO SATISFIES THE LATERAL BRACING REQUIREMENTS FOR THE BOTTOM CHORD OF THE TRUSS WHEN IT IS PLACED ON TOP OF THE BOTTOM CHORD, IS CONTINUOUS FROM END TO END, CONNECTED WITH A METHOD OTHER THAN METAL FRAMING ANCHOR, AND PROPERLY CONNECTED, BY OTHERS, AT THE ENDS.





THE STRONGBACKS SHALL BE SECURED AT THEIR ENDS TO ADEQUATE SUPPORT, DESIGNED BY OTHERS. IF SPLICING IS NECESSARY, USE A 4'-0" LONG SCAB CENTERED ON THE SPLICE AND JOINED WITH (12) - 10d NAILS (0.131" x 3") EQUALLY SPACED.

ALTERNATE METHOD OF SPLICING:
OVERLAP STRONGBACK MEMBERS A MINIMUM OF 4'-0" AND FASTEN WITH (12) - 10d NAILS (0.131" x 3") STAGGERED AND EQUALLY SPACED.
(TO BE USED ONLY WHEN STRONGBACK IS NOT ALIGNED WITH A VERTICAL)

FEBRUARY 14, 2012	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL	ST-PIGGY-7-10

MiTek USA, Inc.

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MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E MAX MEAN ROOF HEIGHT = 30 FEET MAX TRUSS SPACING = 24 " O.C. CATEGORY II BUILDING EXPOSURE B or C ASCE 7-10 DURATION OF LOAD INCREASE : 1.60
DETAIL IS NOT APPLICABLE FOR TRUSSES TRANSFERING DRAG LOADS (SHEAR TRUSSES). ADDITIONAL CONSIDERATIONS BY BUILDING ENGINEER/DESIGNER ARE REQUIRED.

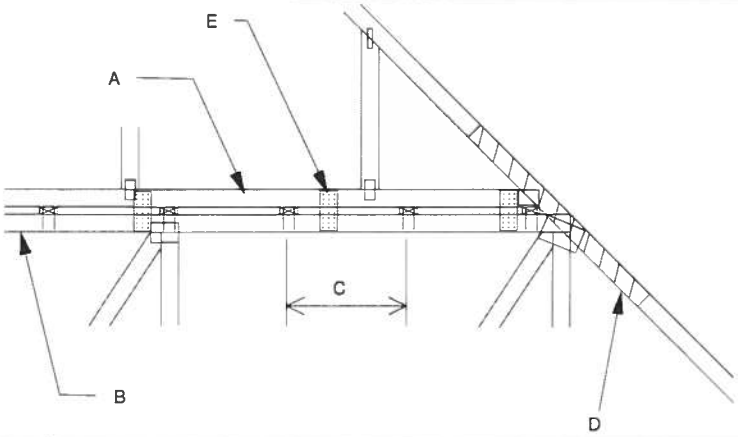
A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131" X 3.5" TOE NAILED.

B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.

C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) 0.131" X 3.5" NAILS EACH.

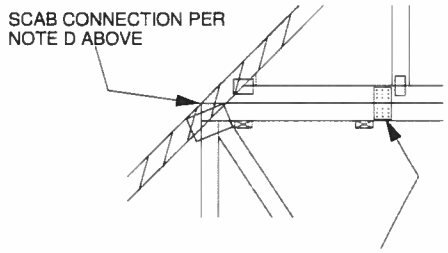
D - 2 X __ X 4'-0" SCAB. SIZE AND GRADE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF 0.131" X 3" NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.

E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)

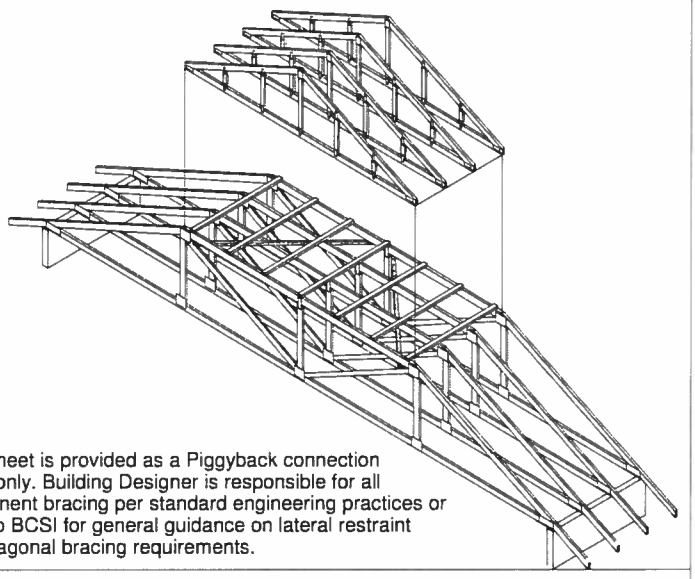


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH Nail-On PLATES AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

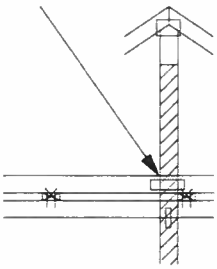


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO EXTEND THROUGH BOTTOM CHORD OF PIGGYBACK



FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB:

1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
2) ATTACH 2 x ___ x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.

FEBRUARY 14, 2012	Standard Gable End Detail	ST-GE130-001

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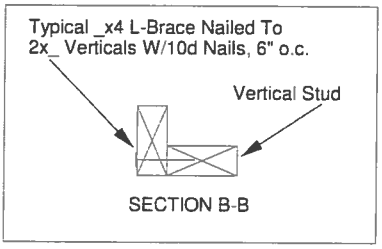
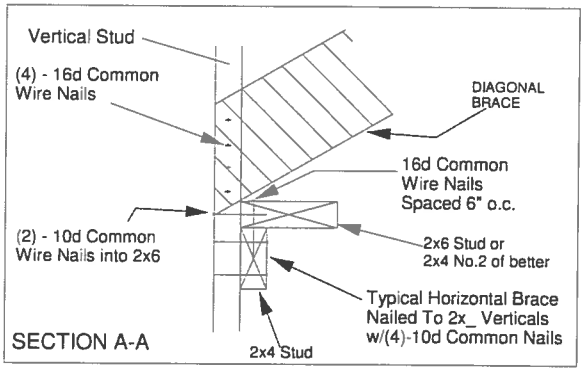
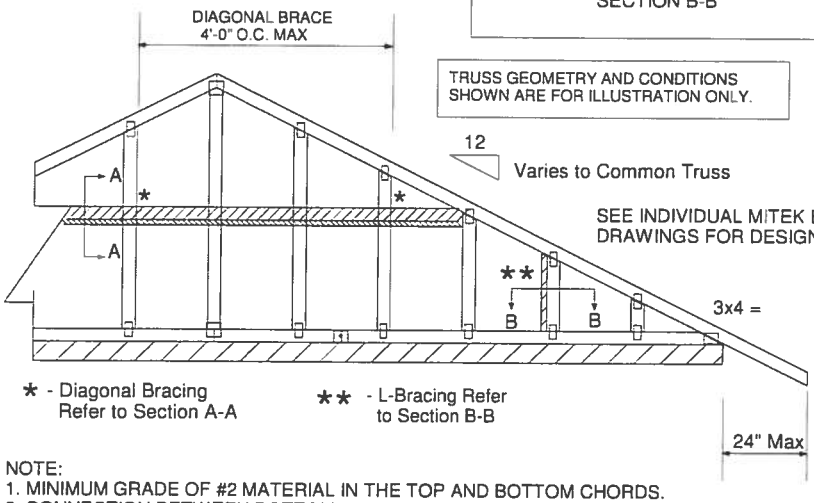






TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

12

Varies to Common Truss

SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

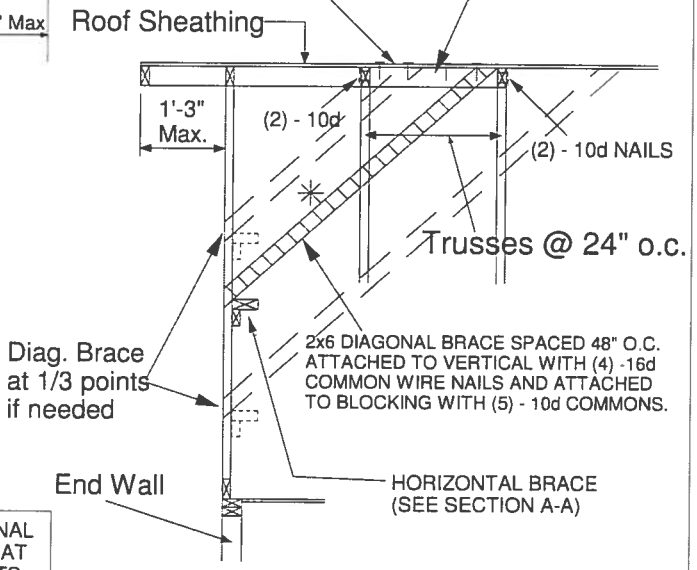
* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

24" Max

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d COMMON WIRE NAILS.

(4) - 8d NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK



NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SPF Std/Stud	12" O.C.	4-0-7	4-3-2	6-0-4	8-0-15	12-1-6
2x4 SPF Std/Stud	16" O.C.	3-7-0	3-8-4	5-2-10	7-1-15	10-8-15
2x4 SPF Std/Stud	24" O.C.	2-11-1	3-0-2	4-3-2	5-10-3	8-9-4

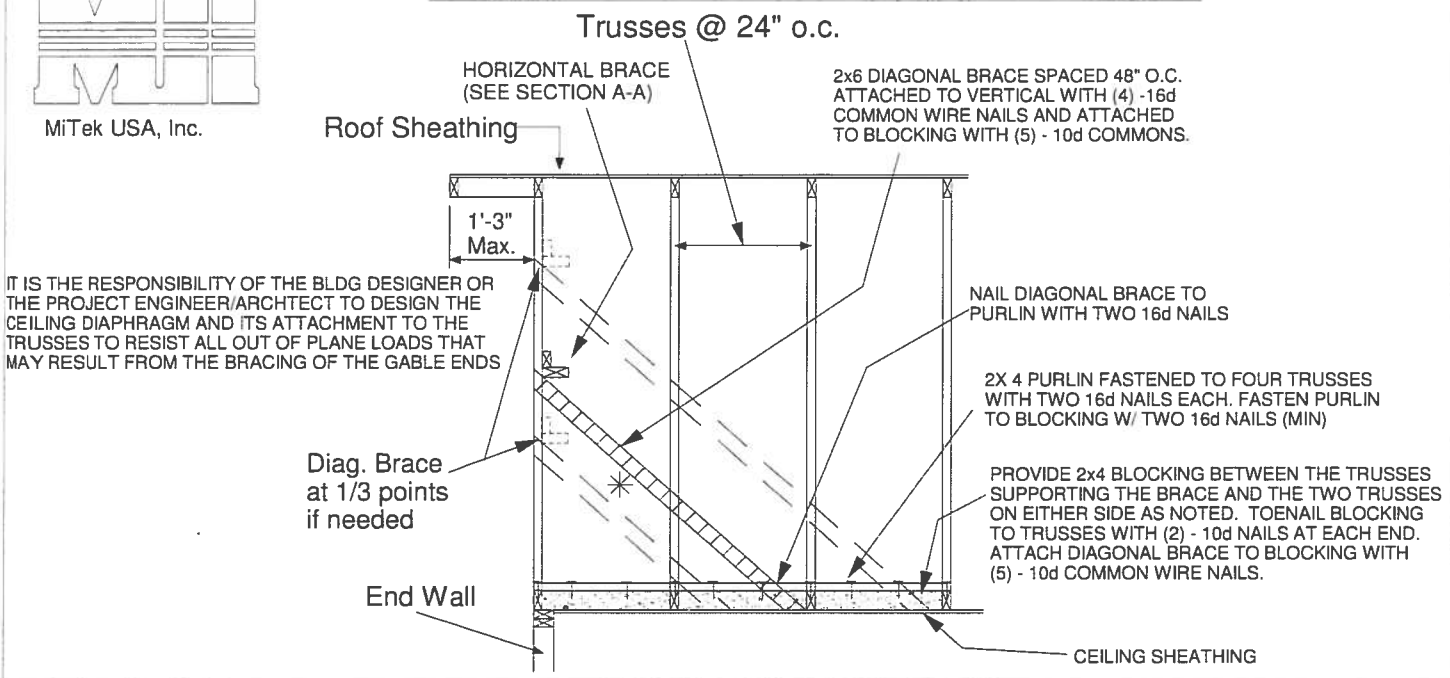
✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d common wire nails 8in o.c., with 3in minimum end distance. Brace must cover 90% of diagonal length.

MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH
ASCE 7-10 160 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.

MiTek USA, Inc.

ALTERNATE DIAGONAL BRACING TO THE BOTTOM CHORD



BRACING REQUIREMENTS FOR STRUCTURAL GABLE TRUSSES

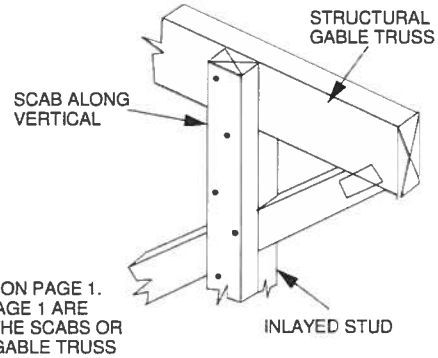
STRUCTURAL GABLE TRUSSES MAY BE BRACED AS NOTED:

METHOD 1 : ATTACH A MATCHING GABLE TRUSS TO THE INSIDE FACE OF THE STRUCTURAL GABLE AND FASTEN PER THE FOLLOWING NAILING SCHEDULE.

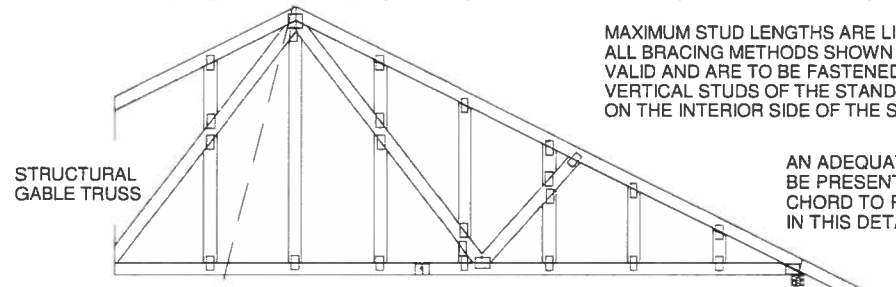
METHOD 2 : ATTACH 2X_ SCABS TO THE FACE OF EACH VERTICAL MEMBER ON THE STRUCTURAL GABLE PER THE FOLLOWING NAILING SCHEDULE. SCABS ARE TO BE OF THE SAME SIZE, GRADE AND SPECIES AS THE TRUSS VERTICALS

NAILING SCHEDULE:

- FOR WIND SPEEDS 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) OR LESS, NAIL ALL MEMBERS WITH ONE ROW OF 10d (.131" X 3") NAILS SPACED 6" O.C.
- FOR WIND SPEEDS GREATER 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) NAIL ALL MEMBERS WITH TWO ROWS OF 10d (.131" X 3") NAILS SPACED 6" O.C. (2X 4 STUDS MINIMUM)



MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1. ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE.



AN ADEQUATE DIAPHRAGM OR OTHER METHOD OF BRACING MUST BE PRESENT TO PROVIDE FULL LATERAL SUPPORT OF THE BOTTOM CHORD TO RESIST ALL OUT OF PLANE LOADS. THE BRACING SHOWN IN THIS DETAIL IS FOR THE VERTICAL/STUDS ONLY.

NOTE : THIS DETAIL IS TO BE USED ONLY FOR STRUCTURAL GABLES WITH INLAYED STUDS. TRUSSES WITHOUT INLAYED STUDS ARE NOT ADDRESSED HERE.