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

RE: ZEDICKS -

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

Site Information:

Customer Info: BRYAN ZECHER CONSTRUCTION Project Name: DICKS RESIDENCE Model:
Lot/Block: Subdivision:
Address: 463 SW CR240
City: LAKE CITY State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: N/A Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 82 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.

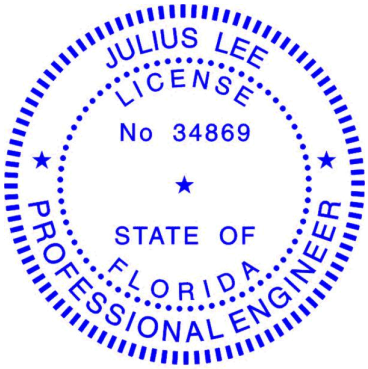
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T22707749	A	2/3/21	15	T22707763	A10ET	2/3/21
2	T22707750	A1	2/3/21	16	T22707764	A11	2/3/21
3	T22707751	A1ET	2/3/21	17	T22707765	A12	2/3/21
4	T22707752	A2	2/3/21	18	T22707766	A13	2/3/21
5	T22707753	A2ET	2/3/21	19	T22707767	A13ET	2/3/21
6	T22707754	A3	2/3/21	20	T22707768	A14	2/3/21
7	T22707755	A4	2/3/21	21	T22707769	A15	2/3/21
8	T22707756	A5	2/3/21	22	T22707770	A15ET	2/3/21
9	T22707757	A5ET	2/3/21	23	T22707771	A16	2/3/21
10	T22707758	A6	2/3/21	24	T22707772	A17	2/3/21
11	T22707759	A7	2/3/21	25	T22707773	B1	2/3/21
12	T22707760	A8	2/3/21	26	T22707774	B2	2/3/21
13	T22707761	A9	2/3/21	27	T22707775	B3	2/3/21
14	T22707762	A10	2/3/21	28	T22707776	B4	2/3/21

This item has been electronically signed and sealed by Lee, Julius, PE using a Digital Signature.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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

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

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



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

February 3,2021

Lee, Julius

RE: ZEDICKS -

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

Site Information:

Customer Info: BRYAN ZECHER CONSTRUCTION Project Name: DICKS RESIDENCE Model:
Lot/Block: Subdivision:
Address: 463 SW CR240
City: LAKE CITY State: FL

No.	Seal#	Truss Name	Date
29	T22707777	B5	2/3/21
30	T22707778	B6	2/3/21
31	T22707779	B7	2/3/21
32	T22707780	B8	2/3/21
33	T22707781	BET	2/3/21
34	T22707782	CET	2/3/21
35	T22707783	CJ09	2/3/21
36	T22707784	CJ09A	2/3/21
37	T22707785	D1	2/3/21
38	T22707786	D2	2/3/21
39	T22707787	D3	2/3/21
40	T22707788	D4	2/3/21
41	T22707789	D5	2/3/21
42	T22707790	D6	2/3/21
43	T22707791	D7	2/3/21
44	T22707792	DET	2/3/21
45	T22707793	EET	2/3/21
46	T22707794	EJ7	2/3/21
47	T22707795	EJ7GT	2/3/21
48	T22707796	F	2/3/21
49	T22707797	F1	2/3/21
50	T22707798	F1ET	2/3/21
51	T22707799	FET	2/3/21
52	T22707800	G	2/3/21
53	T22707801	GGT	2/3/21
54	T22707802	H	2/3/21
55	T22707803	H1	2/3/21
56	T22707804	H2	2/3/21
57	T22707805	HET	2/3/21
58	T22707806	J01	2/3/21
59	T22707807	J03	2/3/21
60	T22707808	J03A	2/3/21
61	T22707809	J05	2/3/21
62	T22707810	J05A	2/3/21
63	T22707811	K1	2/3/21
64	T22707812	K2	2/3/21
65	T22707813	K3	2/3/21
66	T22707814	K4	2/3/21
67	T22707815	K5	2/3/21
68	T22707816	K6	2/3/21
69	T22707817	K7	2/3/21
70	T22707818	K8	2/3/21
71	T22707819	K9	2/3/21
72	T22707820	K10	2/3/21
73	T22707821	K11	2/3/21
74	T22707822	L1	2/3/21
75	T22707823	M	2/3/21
76	T22707824	MET	2/3/21
77	T22707825	PB1	2/3/21
78	T22707826	PB1ET	2/3/21
79	T22707827	PB2	2/3/21
80	T22707828	PB3	2/3/21
81	T22707829	PB4	2/3/21
82	T22707830	PB4ET	2/3/21

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A	Piggyback Base	6	1	T22707749
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:30:59 2021 Page 1
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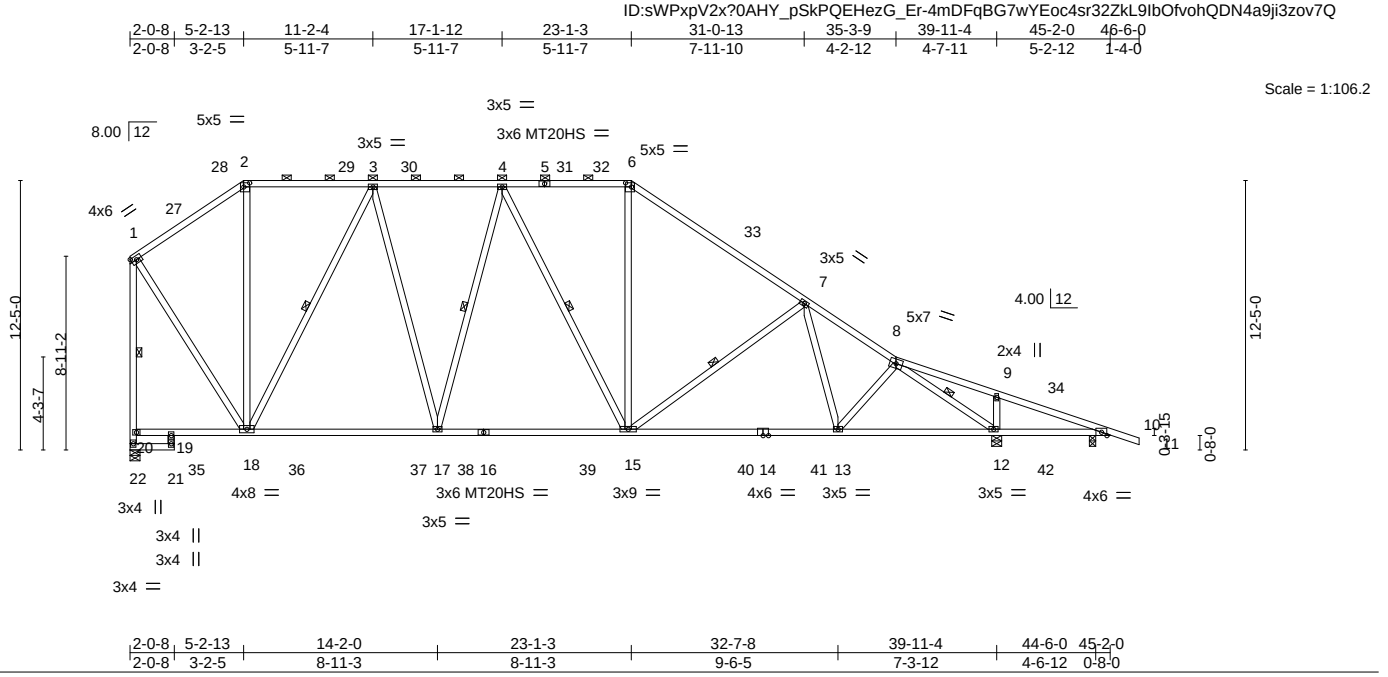

Plate Offsets (X,Y)-- [2:0-3-4,0-2-4], [6:0-3-4,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.26	13-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.49	13-15	>981	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.07	13-15	>999	240	Weight: 317 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
14-16: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-5-3 max.): 2-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-18, 4-17, 4-15, 7-15, 8-12, 1-22

REACTIONS. (size) 22=0-5-8, 12=0-5-8, 10=0-3-8
Max Horz 22=-250(LC 12)
Max Uplift 22=-122(LC 12), 12=-129(LC 12), 10=-113(LC 12)
Max Grav 22=1892(LC 18), 12=2350(LC 18), 10=84(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-973/194, 2-3=-773/217, 3-4=-1481/331, 4-6=-1604/384, 6-7=-2010/361, 7-8=-2471/338, 8-9=-69/660, 9-10=-130/698, 20-22=-1826/286, 1-20=-1759/290
BOT CHORD 18-19=-142/303, 17-18=0/1350, 15-17=0/1587, 13-15=-132/1979, 12-13=-159/1932, 10-12=-617/181
WEBS 2-18=0/282, 3-18=-1209/226, 3-17=-51/784, 4-17=-374/155, 6-15=0/681, 7-15=-581/229, 7-13=0/282, 8-12=-3135/357, 9-12=-351/149, 1-18=-155/1379

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=45ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-7-15, Interior(1) 4-7-15 to 5-2-13, Exterior(2R) 5-2-13 to 9-9-0, Interior(1) 9-9-0 to 23-1-3, Exterior(2R) 23-1-3 to 27-7-6, Interior(1) 27-7-6 to 46-6-0 zone; cantilever right exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=122, 12=129, 10=113.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been electronically signed and sealed by Lee, Julius, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A1	Monopitch	1	1	T22707750
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:30:59 2021 Page 1
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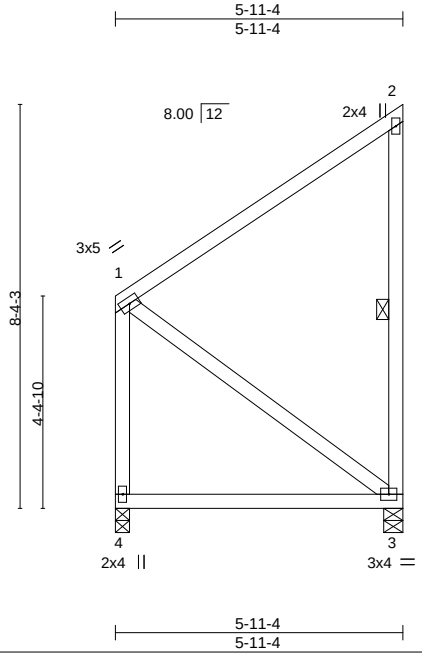

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.06	3-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.12	3-4	>555	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.00	4	****	240	Weight: 47 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-3

REACTIONS. (size) 4=0-3-8, 3=0-4-12
Max Horz 4=109(LC 12)
Max Uplift 3=-130(LC 12)
Max Grav 4=226(LC 1), 3=251(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-144/262

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-9-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=130.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A1ET	Monopitch Supported Gable	1	1	T22707751
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:13 2021 Page 1
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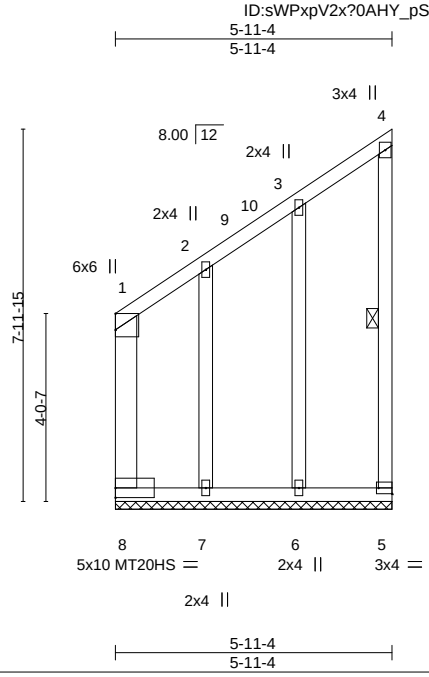

Plate Offsets (X,Y)-- [5:Edge,0-1-8]

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	0.89	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	n/a	-	n/a	999	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-R							Weight: 56 lb	FT = 15%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.1
WEBS	2x6 SP No.2 *Except*
	4-5: 2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-9-5 oc bracing.
WEBS	1 Row at midpt 4-5

REACTIONS. All bearings 5-11-4.
(lb) - Max Horz 8=227(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 6 except 8=-171(LC 10), 5=-108(LC 11), 7=-426(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 5, 6 except 8=436(LC 11), 7=319(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-552/381, 1-2=-572/418
WEBS 2-7=-450/627

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 0-2-12 to 3-2-12, Exterior(2N) 3-2-12 to 5-9-8 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are MT20 plates unless otherwise indicated.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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) 6 except (jt=lb) 8=171, 5=108, 7=426.

This item has been electronically signed and sealed by Lee, Julius, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A2	Piggyback Base	1	1	T22707752
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:14 2021 Page 1
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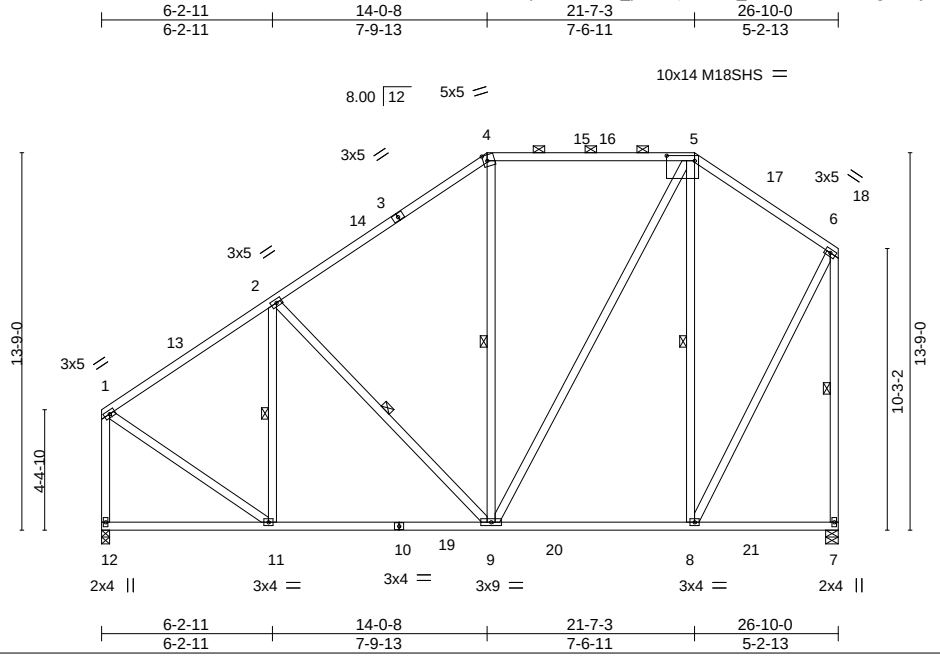

Plate Offsets (X,Y)-- [4:0-1-12,Edge], [5:1-0-4,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.12	9-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.20	9-11	>999	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.02	9	>999	240	Weight: 223 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-10-6 max.): 4-5.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-11, 2-9, 4-9, 5-8, 6-7

REACTIONS. (size) 12=0-3-8, 7=0-5-8
Max Horz 12=169(LC 12)
Max Uplift 12=-19(LC 12), 7=-110(LC 12)
Max Grav 12=1241(LC 17), 7=1280(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-997/62, 2-4=-891/134, 4-5=-666/161, 5-6=-562/103, 1-12=-1159/47, 6-7=-1182/132
BOT CHORD 9-11=-156/860, 8-9=-25/425
WEBS 2-11=-283/80, 5-9=-77/550, 5-8=-532/129, 1-11=0/892, 6-8=-53/920

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 14-0-8, Exterior(2R) 14-0-8 to 18-3-7, Interior(1) 18-3-7 to 21-7-3, Exterior(2R) 21-7-3 to 25-10-2, Interior(1) 25-10-2 to 26-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 7=110.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A2ET	Piggyback Base Supported Gable	1	1	T22707753
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:16 2021 Page 1
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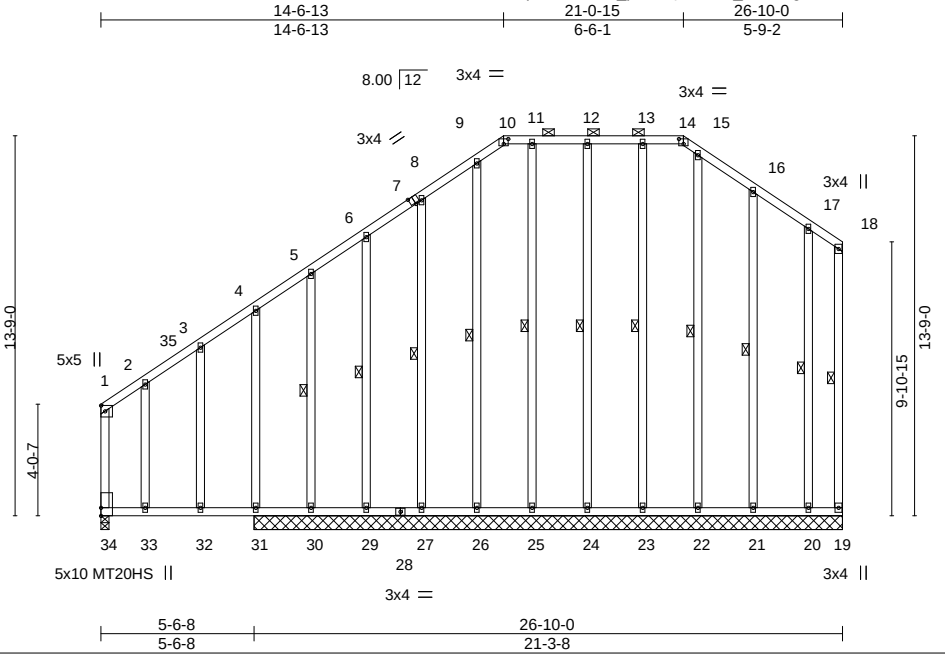

Plate Offsets (X,Y)-- [7:0-2-0,Edge], [10:0-2-0,0-2-3], [14:0-2-0,0-2-3]

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	0.76	Vert(LL)	0.13	32-33	>523	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.12	32-33	>554	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	-0.00	34	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-R							Weight: 305 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 10-14.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 18-19, 15-22, 13-23, 12-24, 11-25, 9-26, 8-27, 6-29, 5-30, 16-21, 17-20

REACTIONS. All bearings 21-3-8 except (jt=length) 34=0-3-8.
(lb) - Max Horz 31=169(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 34, 23, 24, 27, 29, 21 except 19=-201(LC 12), 30=-130(LC 10), 31=-381(LC 12), 20=-129(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 19, 22, 23, 24, 25, 26, 27, 29, 30, 21, 20 except 34=280(LC 18), 31=639(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-254/163
WEBS 4-31=-325/268

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 0-1-12 to 3-1-12, Exterior(2N) 3-1-12 to 14-6-13, Corner(3R) 14-6-13 to 17-7-3, Exterior(2N) 17-7-3 to 21-0-15, Corner(3R) 21-0-15 to 24-0-15, Exterior(2N) 24-0-15 to 26-8-4 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 34, 23, 24, 27, 29, 21 except (jt=lb) 19=201, 30=130, 31=381, 20=129.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A3	Piggyback Base	4	1	T22707754
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:17 2021 Page 1
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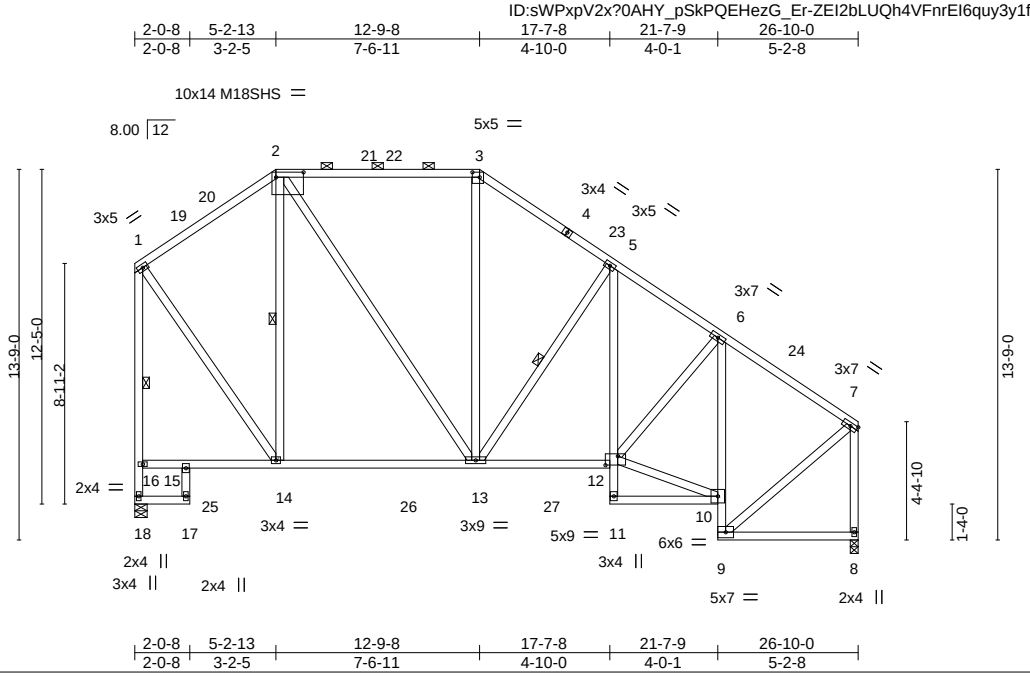

Scale = 1:85.5

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.12	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.22	10-11	>999	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.26	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.06	10-11	>999	240	Weight: 232 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-9: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-8-2 max.): 2-3.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-14, 5-13, 1-18

REACTIONS. (size) 18=0-5-8, 8=0-3-8
Max Horz 18=-169(LC 12)
Max Uplift 18=-101(LC 12), 8=-27(LC 12)
Max Grav 18=1307(LC 18), 8=1223(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-675/77, 2-3=-800/145, 3-5=-1005/133, 5-6=-1288/104, 6-7=-926/63, 16-18=-1231/65, 1-16=-1149/81, 7-8=-1201/55
BOT CHORD 13-14=0/589, 12-13=0/999, 5-12=-5/307, 9-10=-426/25, 6-10=-714/47
WEBS 2-14=-470/145, 2-13=-77/551, 5-13=-467/114, 10-12=0/723, 6-12=0/384, 1-14=-22/888, 7-9=0/892

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-2-13, Exterior(2R) 5-2-13 to 9-5-12, Interior(1) 9-5-12 to 12-9-8, Exterior(2R) 12-9-8 to 17-0-7, Interior(1) 17-0-7 to 26-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 18=101.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A4	Piggyback Base	1	1	T22707755
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:18 2021 Page 1
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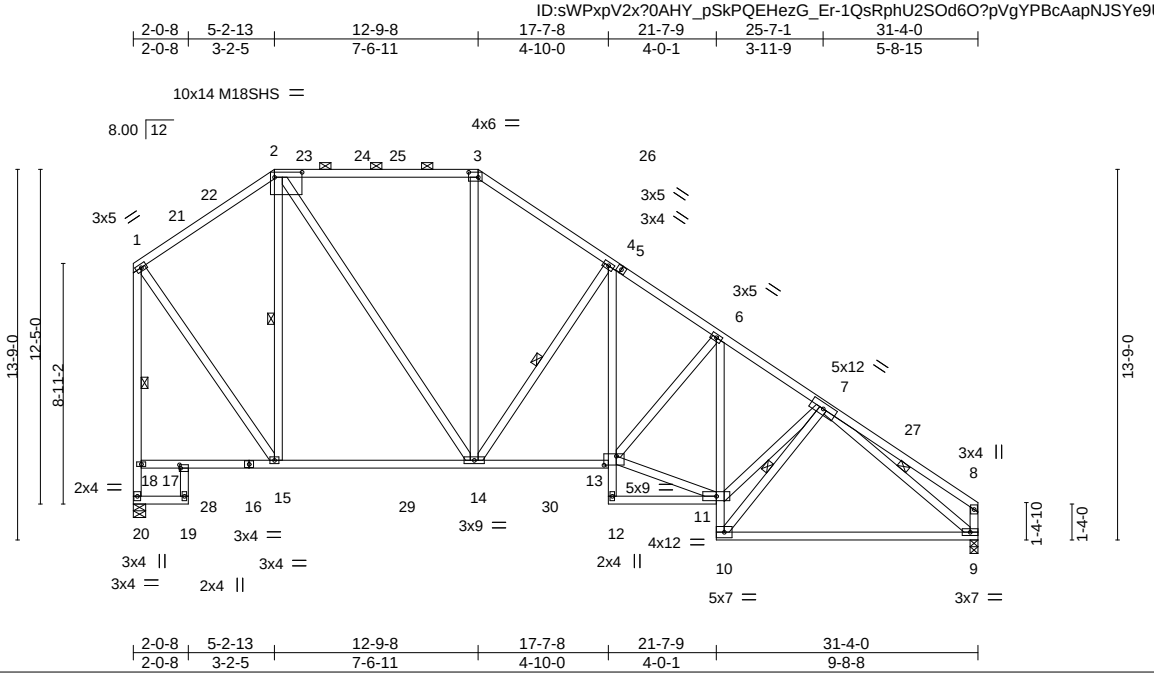

Plate Offsets (X,Y)-- [2:1-0-4,0-2-4], [3:0-4-4,0-2-4], [13:0-5-8,0-4-0], [17:0-0-8,0-1-8]

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	0.79	Vert(LL)	-0.20	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.41	9-10	>903	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.14	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.06	14-15	>999	240	Weight: 259 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-9-12 max.): 2-3.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-15, 4-14, 7-10, 1-20, 7-9

REACTIONS. (size) 20=0-5-8, 9=0-3-8
Max Horz 20=-256(LC 12)
Max Uplift 20=-110(LC 12), 9=-40(LC 12)
Max Grav 20=1518(LC 18), 9=1436(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-789/67, 2-3=-1042/146, 3-4=-1294/135, 4-6=-1888/106, 6-7=-1905/116, 7-8=-447/55, 18-20=-1427/51, 1-18=-1351/70, 8-9=-369/63
BOT CHORD 15-17=-174/264, 14-15=0/704, 13-14=0/1485, 4-13=-5/852, 10-11=-23/1442, 9-10=-18/1321
WEBS 2-15=-592/164, 2-14=-91/809, 3-14=0/360, 4-14=-938/121, 11-13=0/1549, 7-11=0/1610, 7-10=-1639/102, 1-15=-10/1058, 7-9=-1371/50

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-3-6, Interior(1) 3-3-6 to 5-2-13, Exterior(2R) 5-2-13 to 9-8-0, Interior(1) 9-8-0 to 12-9-8, Exterior(2R) 12-9-8 to 17-2-11, Interior(1) 17-2-11 to 31-2-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 20=110.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T22707756
ZEDICKS	A5	Piggyback Base	1	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:20 2021 Page 1
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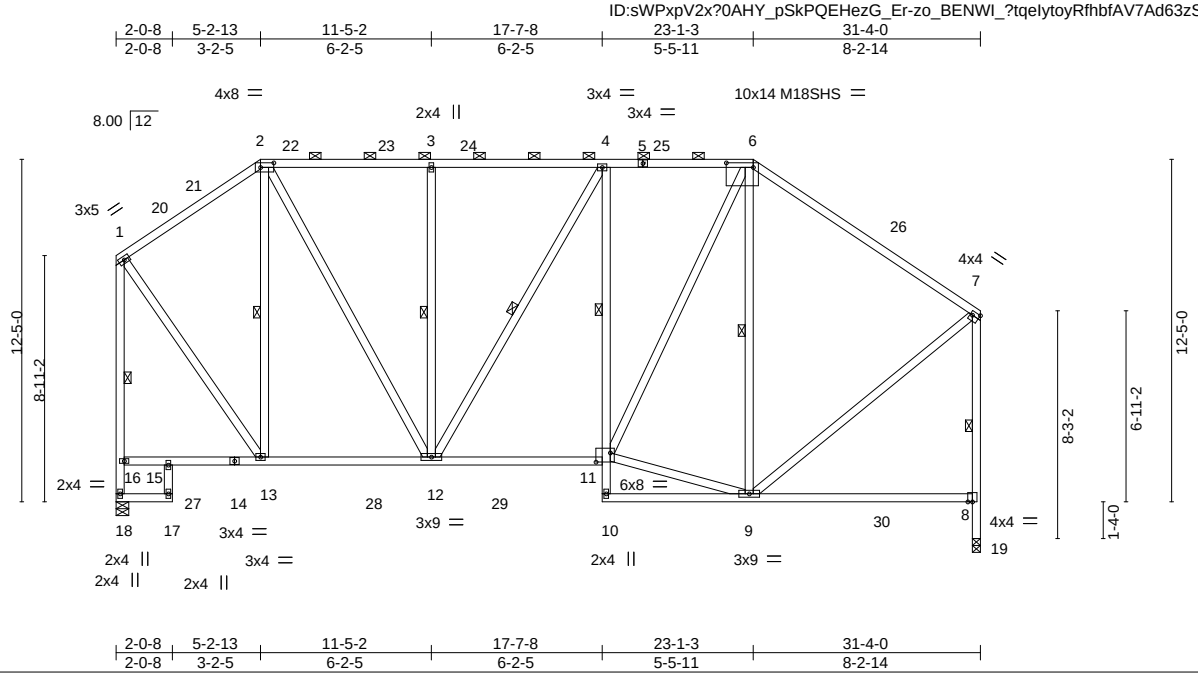

Plate Offsets (X,Y)-- [2:0-5-12,0-2-0], [6:0-11-12,0-2-0], [7:Edge,0-1-12], [11:0-6-4,0-4-0]

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	0.75	Vert(LL)	-0.17	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.29	8-9	>999	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.15	19	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.03	4	>999	240	Weight: 281 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-5-1 max.): 2-6.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 4-11
WEBS 1 Row at midpt 2-13, 3-12, 4-12, 6-9, 1-18, 7-19

REACTIONS. (size) 18=0-5-8, 19=0-3-8
Max Horz 18=93(LC 11)
Max Uplift 18=-89(LC 12), 19=-61(LC 12)
Max Grav 18=1499(LC 17), 19=1454(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-803/91, 2-3=-985/143, 3-4=-985/143, 4-6=-1048/153, 6-7=-1003/113, 16-18=-1457/85, 1-16=-1364/100, 8-19=-1454/61, 7-8=-1274/104
BOT CHORD 12-13=0/659, 11-12=0/1072, 4-11=-302/97
WEBS 2-13=-596/110, 2-12=-64/824, 3-12=-409/131, 9-11=0/792, 6-11=-38/741, 6-9=-527/85, 7-9=0/898, 1-13=-24/1017

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-3-6, Interior(1) 3-3-6 to 5-2-13, Exterior(2R) 5-2-13 to 9-8-0, Interior(1) 9-8-0 to 23-1-3, Exterior(2R) 23-1-3 to 27-6-6, Interior(1) 27-6-6 to 31-2-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) 19 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 19.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A5ET	GABLE	1	1	T22707757
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:22 2021 Page 1
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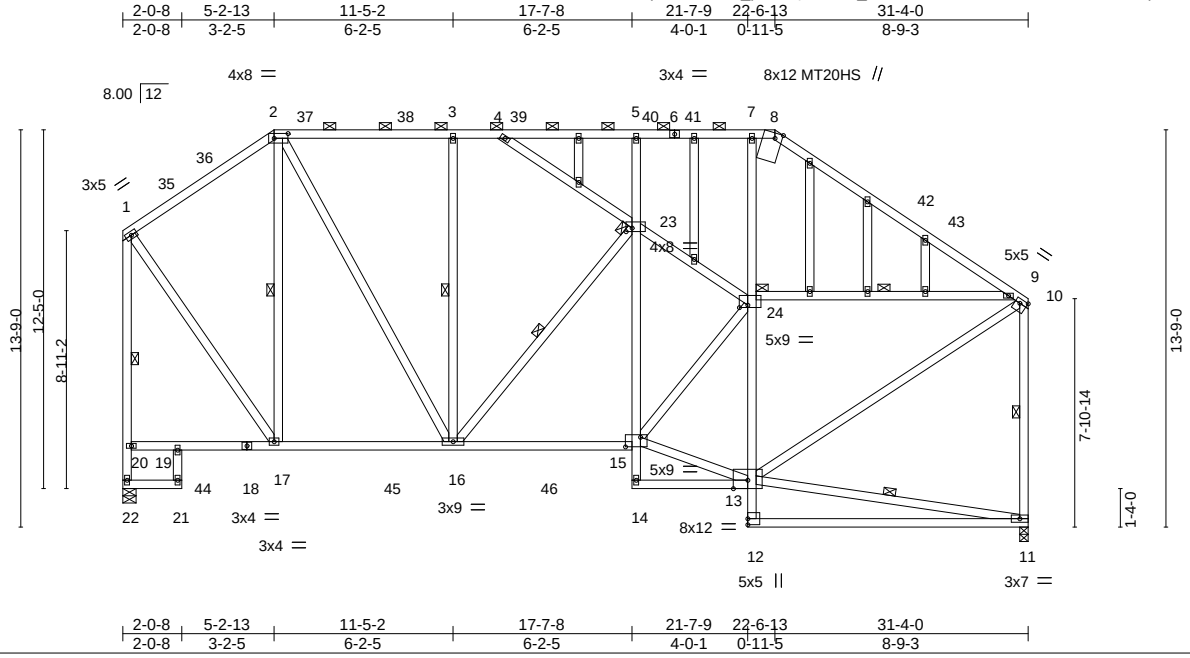

Plate Offsets (X,Y)-- [2:0-5-12,0-2-0], [8:0-2-2,Edge], [10:Edge,0-1-12], [15:0-6-4,0-4-0], [23:0-2-8,0-1-8], [24:0-3-8,0-1-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.24	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.47	11-12	>792	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.03	15-16	>999	240	Weight: 335 lb	FT = 15%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-4-1 max.): 2-8.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 2-17, 3-16, 16-23, 11-13, 1-22, 10-11, 9-24
JOINTS	1 Brace at Jt(s): 23, 24

REACTIONS. (size) 22=0-5-8, 11=0-3-8
Max Horz 22=97(LC 11)
Max Uplift 22=-92(LC 12), 11=-59(LC 12)
Max Grav 22=1487(LC 17), 11=1400(LC 18)

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

TOP CHORD	1-2=-796/90, 2-3=-966/143, 3-4=-966/143, 4-5=-732/91, 5-7=-726/83, 7-8=-728/92, 8-9=-981/40, 9-10=-1065/102, 20-22=-1446/85, 1-20=-1353/99, 10-11=-1226/119
BOT CHORD	16-17=0/658, 15-16=-15/1181, 5-23=-300/71, 13-24=-640/142
WEBS	2-17=-598/114, 2-16=-64/797, 3-16=-290/117, 16-23=-328/60, 13-15=-67/874, 15-24=0/613, 10-13=-76/912, 1-17=-25/1012, 4-23=-304/62, 23-24=-528/119

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-3-6, Interior(1) 3-3-6 to 5-2-13, Exterior(2R) 5-2-13 to 9-8-0, Interior(1) 9-8-0 to 22-6-13, Exterior(2R) 22-6-13 to 27-0-0, Interior(1) 27-0-0 to 31-2-4 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 11.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been electronically signed and sealed by Lee, Julius, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A6	Piggyback Base	1	1	T22707758
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:23 2021 Page 1

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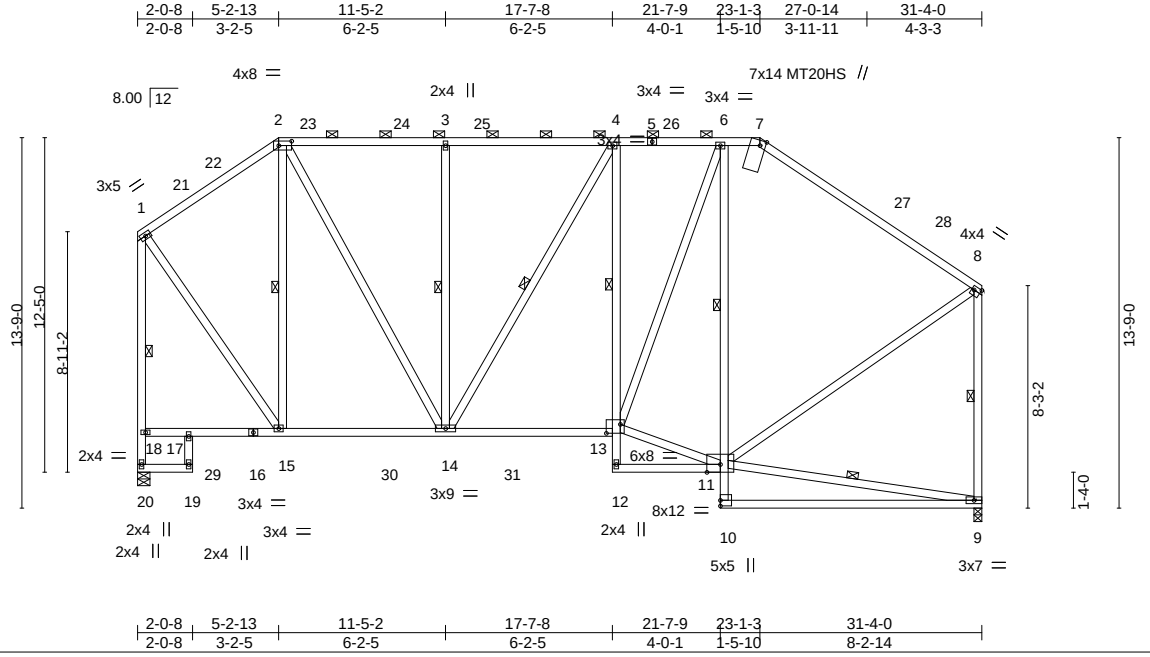

Plate Offsets (X,Y)-- [2:0-5-12,0-2-0], [7:0-2-5,Edge], [8:Edge,0-1-12], [13:0-6-4,0-4-0]

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	0.73	Vert(LL)	-0.25	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.49	9-10	>768	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.03	13-14	>999	240	Weight: 296 lb	FT = 15%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-1-12 max.): 2-7.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 4-13, 6-11
WEBS 1 Row at midpt 2-15, 3-14, 4-14, 9-11, 1-20, 8-9

REACTIONS. (size) 20=0-5-8, 9=0-3-8
Max Horz 20=93(LC 11)
Max Uplift 20=-89(LC 12), 9=-61(LC 12)
Max Grav 20=1496(LC 17), 9=1404(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-801/91, 2-3=-982/143, 3-4=-982/143, 4-6=-1045/152, 6-7=-781/161, 7-8=-1019/126, 18-20=-1454/85, 1-18=-1361/100, 8-9=-1229/122
BOT CHORD 14-15=0/657, 13-14=0/1070, 4-13=-319/83, 6-11=-594/71
WEBS 2-15=-596/110, 2-14=-65/819, 3-14=-409/132, 11-13=0/830, 6-13=-18/842, 8-11=0/893, 1-15=-24/1014

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-3-6, Interior(1) 3-3-6 to 5-2-13, Exterior(2R) 5-2-13 to 9-8-0, Interior(1) 9-8-0 to 23-1-3, Exterior(2R) 23-1-3 to 27-6-6, Interior(1) 27-6-6 to 31-2-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 9.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been electronically signed and sealed by Lee, Julius, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A7	Piggyback Base	2	1	T22707759
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL — 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:25 2021 Page 1
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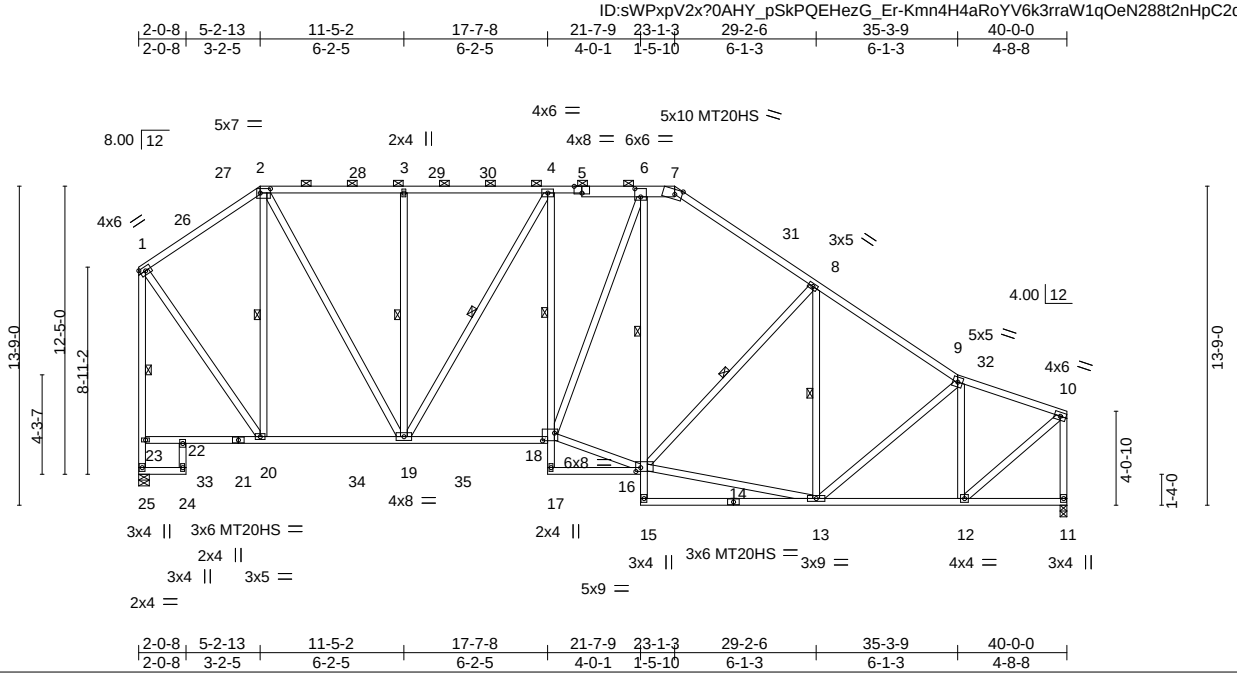

Plate Offsets (X,Y)-- [2:0-5-4,0-2-4], [5:0-4-0,Edge], [6:0-3-0,0-4-4], [7:0-3-12,Edge], [16:0-2-8,0-2-0], [18:0-6-4,0-4-0]

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	0.69	Vert(LL)	-0.16	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.29	13-15	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.07	16	>999	240	Weight: 357 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 5-7: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-0-6 max.): 2-7.
BOT CHORD Rigid ceiling directly applied. Except: 1 Row at midpt 4-18, 6-16
WEBS 1 Row at midpt 2-20, 3-19, 4-19, 8-16, 8-13, 1-25

REACTIONS. (size) 25=0-5-8, 11=0-3-8
Max Horz 25=-180(LC 12)
Max Uplift 25=-121(LC 12), 11=-71(LC 12)
Max Grav 25=1881(LC 18), 11=1792(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1019/186, 2-3=-1385/312, 3-4=-1385/312, 4-6=-1710/367, 6-7=-1410/370, 7-8=-1782/377, 8-9=-1932/316, 9-10=-1478/203, 23-25=-1827/252, 1-23=-1734/271, 10-11=-1722/245
BOT CHORD 19-20=0/865, 18-19=-27/1712, 12-13=-163/1398
WEBS 2-20=-856/258, 2-19=-213/1278, 3-19=-399/158, 4-19=-647/114, 16-18=-14/1502, 6-18=-0/856, 13-16=-140/1408, 9-12=-980/198, 1-20=-144/1339, 10-12=-201/1779

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-1-12, Interior(1) 4-1-12 to 5-2-13, Exterior(2R) 5-2-13 to 9-2-13, Interior(1) 9-2-13 to 23-1-3, Exterior(2R) 23-1-3 to 27-1-3, Interior(1) 27-1-3 to 39-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 25=121.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A8	Piggyback Base	1	1	T22707760
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL — 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:27 2021 Page 1
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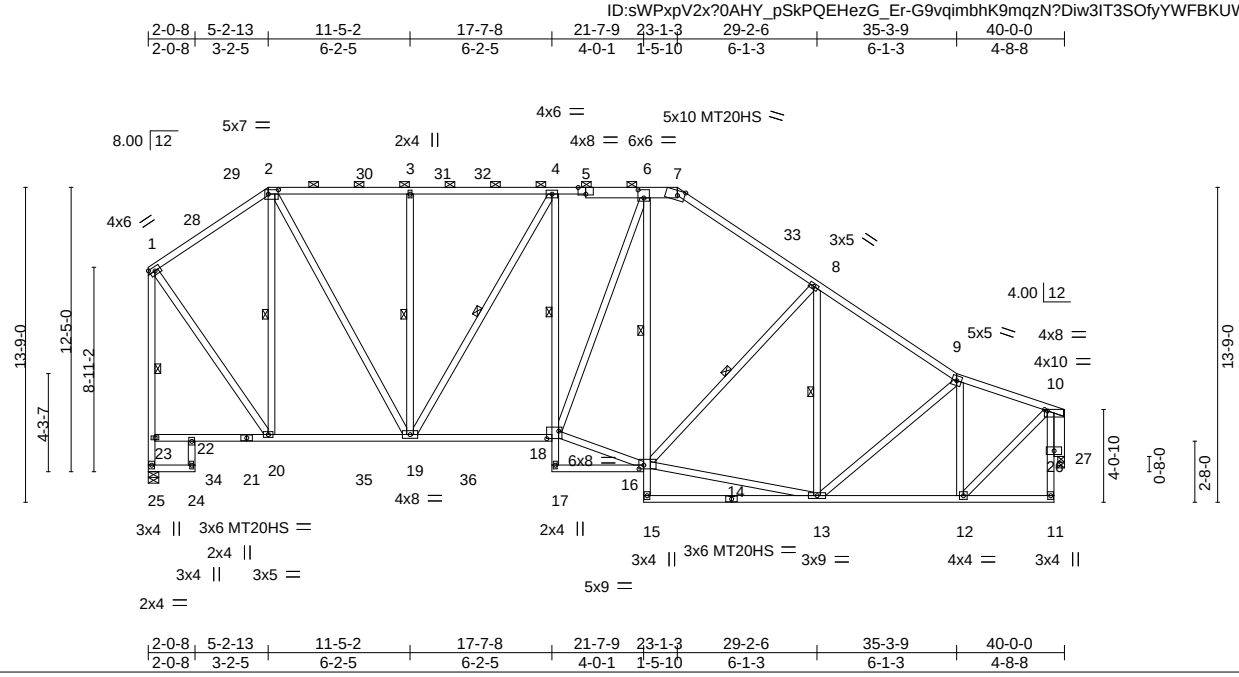

Plate Offsets (X,Y)-- [2:0-5-4,0-2-4], [5:0-4-0,Edge], [6:0-3-0,0-4-4], [7:0-3-12,Edge], [10:0-1-8,0-0-12], [16:0-2-8,0-2-0], [18:0-6-4,0-4-0]

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	0.69	Vert(LL)	-0.16	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.29	13-15	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.16	27	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.07	16	>999	240	Weight: 360 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 5-7: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-0-6 max.): 2-7.
BOT CHORD Rigid ceiling directly applied. Except: 1 Row at midpt 4-18, 6-16
WEBS 1 Row at midpt 2-20, 3-19, 4-19, 8-16, 8-13, 1-25

REACTIONS. (size) 25=0-5-8, 27=0-3-8
Max Horz 25=-176(LC 12)
Max Uplift 25=-121(LC 12), 27=-69(LC 12)
Max Grav 25=1881(LC 18), 27=1752(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1018/186, 2-3=-1384/313, 3-4=-1384/313, 4-6=-1710/367, 6-7=-1410/370, 7-8=-1782/374, 8-9=-1932/307, 9-10=-1456/190, 23-25=-1827/253, 1-23=-1733/272
BOT CHORD 19-20=0/864, 18-19=-37/1711, 12-13=-159/1394
WEBS 2-20=-856/257, 2-19=-213/1278, 3-19=-399/158, 4-19=-647/112, 16-18=-23/1501, 6-18=-5/855, 13-16=-143/1409, 9-12=-998/193, 1-20=-144/1339, 10-12=-178/1612, 10-27=-1799/210

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-1-12, Interior(1) 4-1-12 to 5-2-13, Exterior(2R) 5-2-13 to 9-2-13, Interior(1) 9-2-13 to 23-1-3, Exterior(2R) 23-1-3 to 27-1-3, Interior(1) 27-1-3 to 39-4-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) 27 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 27 except (jt=lb) 25=121.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Julius Lee PE No. 34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A9	Piggyback Base	1	1	T22707761
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:29 2021 Page 1
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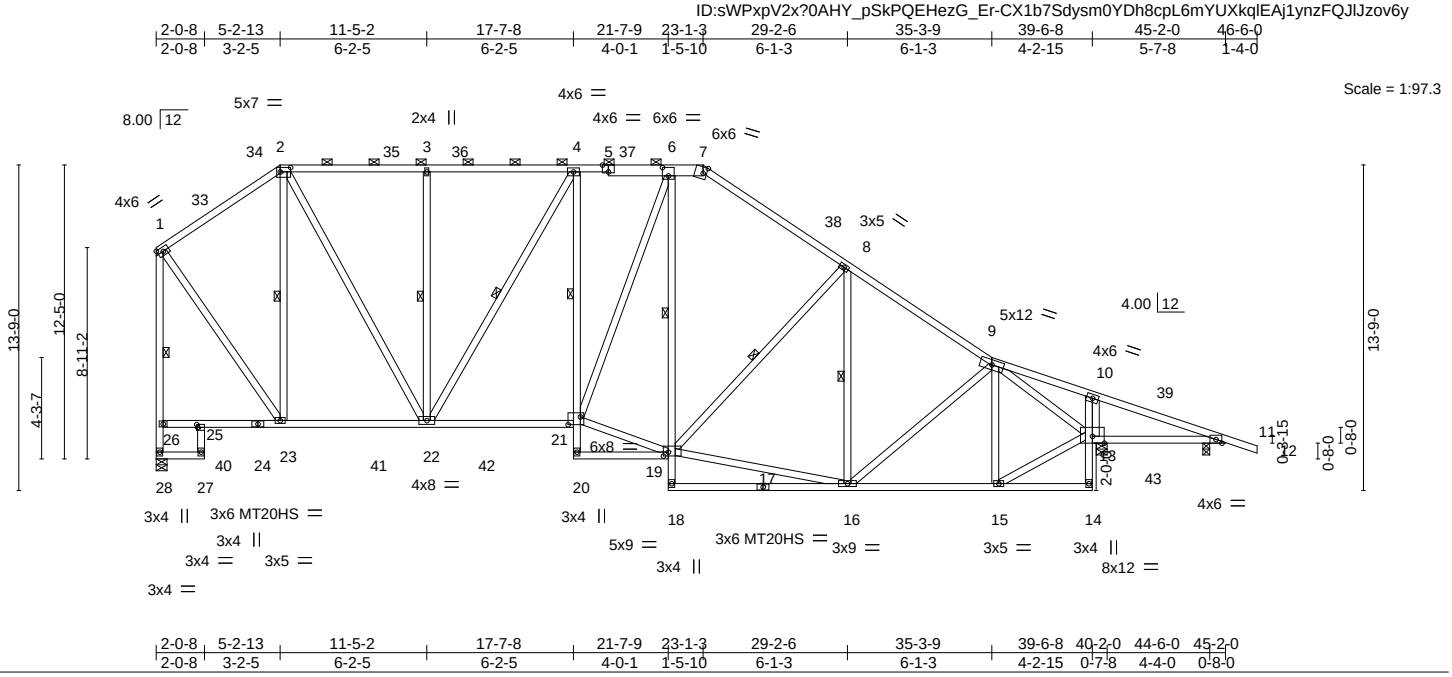

Plate Offsets (X,Y)-- [2:0-5-4,0-2-4], [5:0-3-0,Edge], [6:0-3-0,0-4-4], [7:0-1-12,Edge], [19:0-2-8,0-2-0], [21:0-6-4,0-4-0], [25:0-0-8,0-1-8]

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	0.65	Vert(LL)	-0.15	21-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.27	16-18	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.09	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.06	19	>999	240	Weight: 382 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 5-7: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-1-14 max.): 2-7.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 4-21, 6-19
WEBS 1 Row at midpt 2-23, 3-22, 4-22, 8-19, 8-16, 1-28

REACTIONS. (size) 28=0-5-8, 11=0-3-8, 13=0-5-8
Max Horz 28=-255(LC 12)
Max Uplift 28=-121(LC 12), 11=-122(LC 12), 13=-133(LC 12)
Max Grav 28=1843(LC 18), 11=240(LC 22), 13=2099(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1001/174, 2-3=-1344/308, 3-4=-1344/308, 4-6=-1645/360, 6-7=-1347/374, 7-8=-1706/375, 8-9=-1786/321, 9-10=-53/395, 10-11=-94/362, 26-28=-1797/234, 1-26=-1702/257
BOT CHORD 23-25=-138/317, 22-23=0/871, 21-22=0/1673, 15-16=-87/1135, 10-13=-284/112, 11-13=-302/153
WEBS 2-23=-831/274, 2-22=-219/1234, 3-22=-400/162, 4-22=-600/104, 19-21=0/1457, 6-21=0/867, 16-19=-71/1290, 8-16=-274/74, 9-16=0/385, 9-15=-456/112, 13-15=-103/1295, 9-13=-1841/279, 1-23=-134/1307

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=45ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-7-15, Interior(1) 4-7-15 to 5-2-13, Exterior(2R) 5-2-13 to 9-9-0, Interior(1) 9-9-0 to 23-1-3, Exterior(2R) 23-1-3 to 27-7-6, Interior(1) 27-7-6 to 46-6-0 zone; cantilever right exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 28=121, 11=122, 13=133.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A10	Piggyback Base	4	1	T22707762
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:01 2021 Page 1
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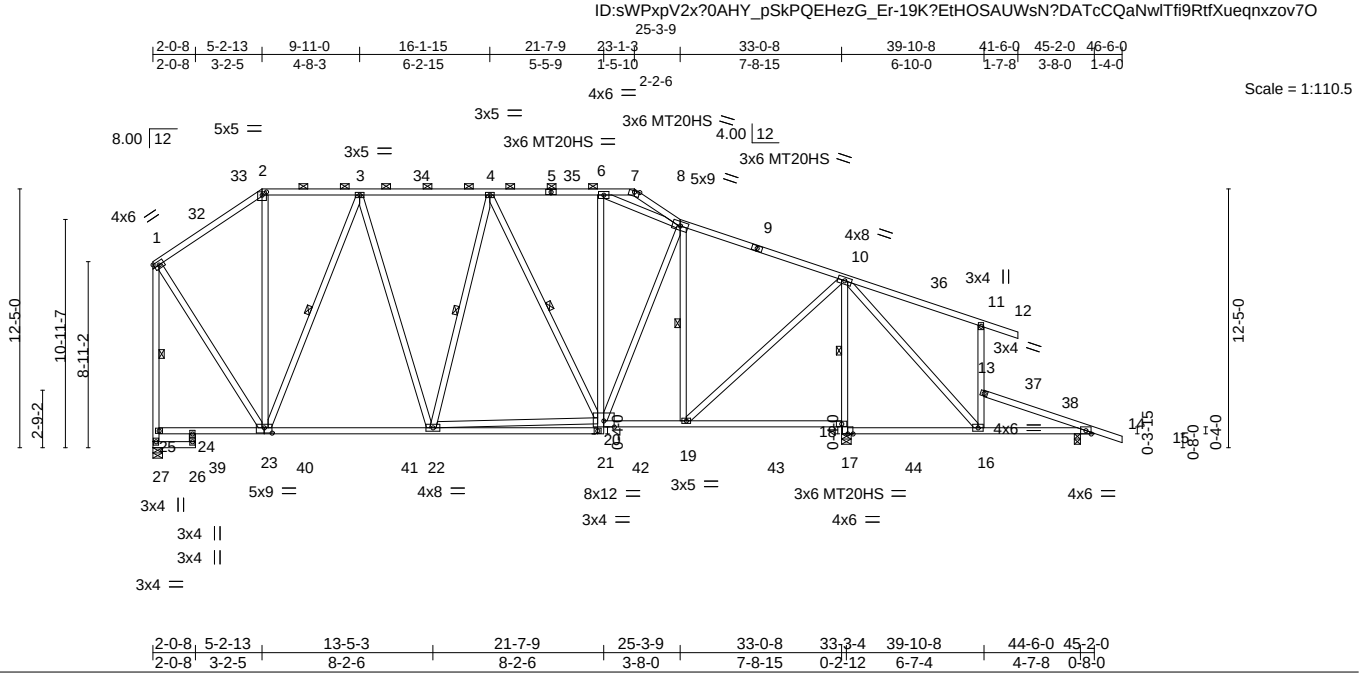

Plate Offsets (X,Y)-- [2:0-2-8,0-1-13], [23:0-4-8,0-3-0]

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	0.72	Vert(LL)	-0.16	22-23	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.25	22-23	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.02	17	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Wind(LL)	0.04	16-17	>999	240	Weight: 369 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-10 oc purlins, except end verticals, and 2-0-0 oc purlins (5-9-9 max.): 2-7, 11-16. Except:
6-0-0 oc bracing: 11-13
BOT CHORD Rigid ceiling directly applied or 3-4-14 oc bracing. Except:
1 Row at midpt 10-18
WEBS 1 Row at midpt 3-23, 4-22, 4-20, 8-19, 1-27

REACTIONS. (size) 27=0-5-8, 14=0-3-8, 17=0-5-8
Max Horz 27=-97(LC 10)
Max Uplift 27=-87(LC 12), 14=-98(LC 12), 17=-131(LC 12)
Max Grav 27=1482(LC 17), 14=365(LC 18), 17=2462(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-749/173, 2-3=-582/196, 3-4=-938/248, 4-6=-823/254, 8-10=-782/178, 13-16=-322/314, 11-13=-282/293, 25-27=-1430/239, 1-25=-1357/246
BOT CHORD 22-23=-49/876, 21-22=0/392, 19-20=-55/734, 18-19=-424/256, 17-18=-2321/524, 10-18=-2147/563, 16-17=-422/251
WEBS 3-23=-737/148, 3-22=0/410, 20-22=-110/594, 4-20=-322/70, 6-8=-849/236, 8-20=-70/382, 8-19=-727/238, 10-19=-216/1488, 10-16=-306/675, 1-23=-111/1007

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=45ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-7-15, Interior(1) 4-7-15 to 5-2-13, Exterior(2R) 5-2-13 to 9-11-0, Interior(1) 9-11-0 to 23-1-3, Exterior(2E) 23-1-3 to 25-3-9, Interior(1) 25-3-9 to 46-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 27, 14 except (jt=lb) 17=131.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A10ET	Monopitch Structural Gable	2	1	T22707763
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

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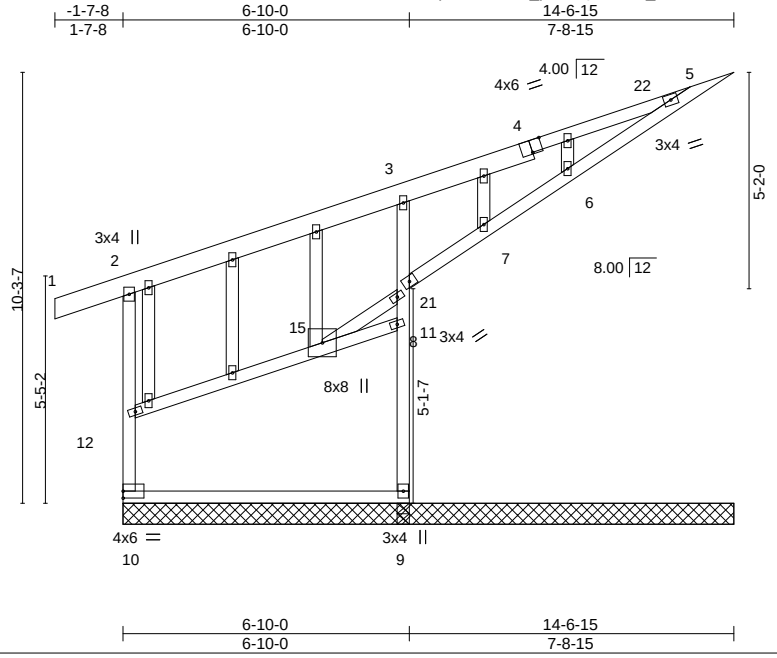

Scale = 1:55.0

Plate Offsets (X,Y)-- [4:0-3-0,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	0.82	Vert(LL)	-0.07	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.13	9-10	>584	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	-0.33	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S		Wind(LL)	0.06	9-10	>999	240	Weight: 104 lb	FT = 15%

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

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

REACTIONS. All bearings 14-6-15.
(lb) - Max Horz 10=273(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 10, 8, 7 except 5=-151(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 5, 9, 9, 6, 7 except 10=334(LC 1), 8=498(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-196/385, 3-5=-323/677, 10-12=-268/153, 2-12=-268/326
BOT CHORD 3-8=-501/453, 7-8=-871/380, 6-7=-820/363, 5-6=-820/351
WEBS 12-15=-551/202, 15-21=-423/195

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=1ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-7-8 to 1-4-8, Exterior(2N) 1-4-8 to 13-7-2 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) N/A
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 8, 7 except (jt=lb) 5=151.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A11	Piggyback Base	1	1	T22707764
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:03 2021 Page 1
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5-2-13	12-11-12	20-8-10	23-1-3	31-1-9	35-3-9	39-4-8	45-2-0	46-6-0
5-2-13	7-8-15	7-8-15	2-4-9	8-0-6	4-2-0	4-0-15	5-9-8	1-4-0

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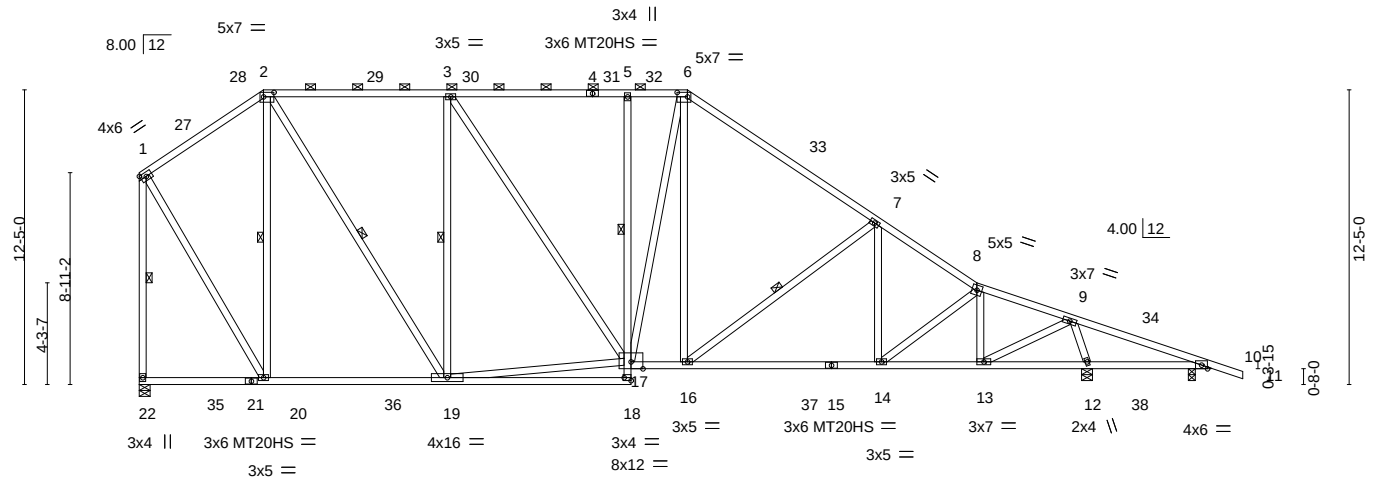

5-2-13	12-11-12	20-8-10	23-1-3	31-1-9	35-3-9	39-11-4	44-6-0	45-2-0
5-2-13	7-8-15	7-8-15	2-4-9	8-0-6	4-2-0	4-7-11	4-6-12	0-8-0

Plate Offsets (X,Y)-- [2:0-5-4,0-2-4], [6:0-5-4,0-2-4], [18: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	0.74	Vert(LL)	-0.19	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.36	14-16	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.07	16	>999	240	Weight: 352 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-4-4 max.): 2-6.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-17
WEBS 1 Row at midpt 2-20, 2-19, 3-19, 7-16, 1-22

REACTIONS. (size) 22=0-5-8, 12=0-5-8, 10=0-3-8
Max Horz 22=-250(LC 12)
Max Uplift 22=-122(LC 12), 12=-128(LC 12), 10=-120(LC 9)
Max Grav 22=1789(LC 18), 12=2392(LC 18), 10=9(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-885/213, 2-3=-1294/341, 3-5=-1514/384, 5-6=-1512/382, 6-7=-1900/363, 7-8=-2323/345, 8-9=-1905/267, 9-10=-155/974, 1-22=-1697/332
BOT CHORD 20-22=-139/300, 19-20=0/773, 18-19=0/339, 5-17=-329/114, 16-17=0/1468, 14-16=-125/1913, 13-14=-144/1795, 10-12=-877/207
WEBS 2-20=-849/249, 2-19=-203/1172, 3-19=-801/267, 17-19=0/1002, 3-17=-78/400, 6-17=-61/283, 6-16=-35/678, 7-16=-611/215, 7-14=0/277, 8-13=-891/142, 9-13=-208/2129, 9-12=-2297/350, 1-20=-192/1340

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=45ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-7-15, Interior(1) 4-7-15 to 5-2-13, Exterior(2R) 5-2-13 to 9-9-0, Interior(1) 9-9-0 to 23-1-3, Exterior(2R) 23-1-3 to 27-7-6, Interior(1) 27-7-6 to 46-6-0 zone; cantilever right exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=122, 12=128, 10=120.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A12	Piggyback Base	1	1	T22707765
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:05 2021 Page 1
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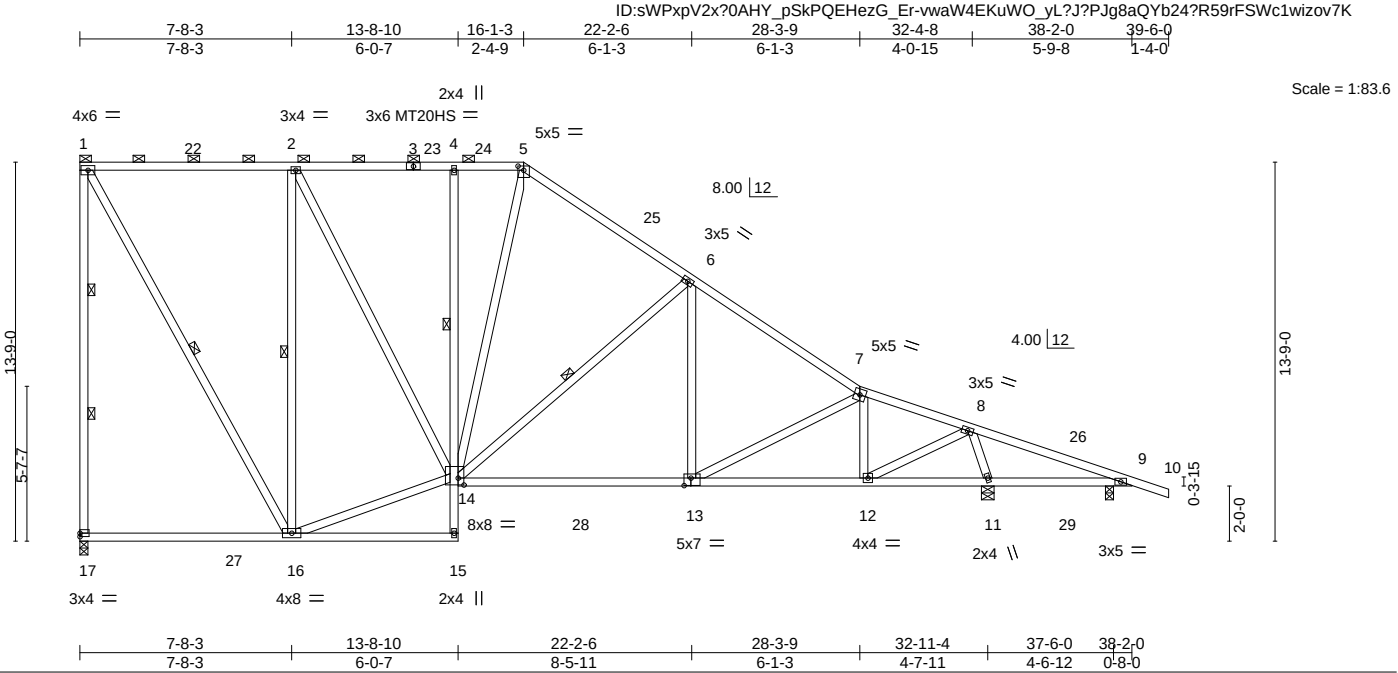

Plate Offsets (X,Y)-- [5:0-2-8,0-1-13], [13:0-3-0,0-3-4], [14:0-2-8,0-3-0]

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	0.83	Vert(LL)	-0.22	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.41	13-14	>967	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.05	13-14	>999	240	Weight: 296 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
1-17: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-4-8 max.): 1-5.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 4-14
WEBS 1 Row at midpt 1-16, 2-16, 6-14
2 Rows at 1/3 pts 1-17

REACTIONS. (size) 17=0-3-8, 11=0-5-8, 9=0-3-8
Max Horz 17=-349(LC 12)
Max Uplift 17=-158(LC 12), 11=-43(LC 12), 9=-129(LC 12)
Max Grav 17=1515(LC 18), 11=1989(LC 18), 9=82(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1348/345, 1-2=-674/147, 2-4=-1028/183, 4-5=-1032/181, 5-6=-1217/161, 6-7=-1801/151, 7-8=-1597/139, 8-9=-82/773
BOT CHORD 16-17=-157/429, 13-14=0/1421, 12-13=-24/1503, 9-11=-689/139
WEBS 1-16=-297/1350, 2-16=-1086/256, 14-16=0/796, 2-14=-79/775, 5-14=0/406, 6-14=-724/208, 6-13=0/426, 7-12=-658/93, 8-12=-62/1745, 8-11=-1899/192

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-11-9, Interior(1) 3-11-9 to 16-1-3, Exterior(2R) 16-1-3 to 19-11-0, Interior(1) 19-11-0 to 39-6-0 zone; cantilever right exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 100 lb uplift at joint(s) 11 except (jt=lb) 17=158, 9=129.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A13	Piggyback Base	1	1	T22707766
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:06 2021 Page 1
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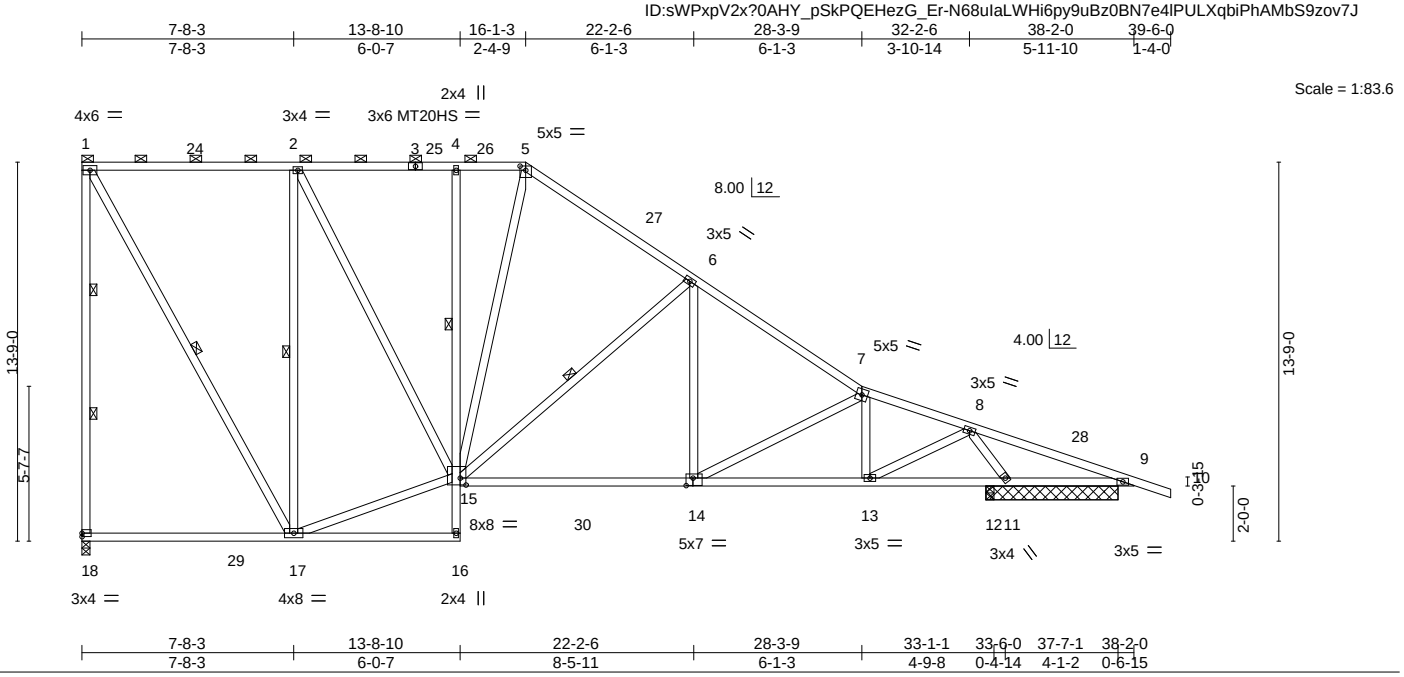

Plate Offsets (X,Y)-- [5:0-2-8,0-1-13], [14:0-3-0,0-3-4], [15:0-2-8,0-3-0]

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	0.85	Vert(LL)	-0.23	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.42	14-15	>942	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.05	14-15	>999	240	Weight: 296 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
1-18: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-3-11 max.): 1-5.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 4-15
WEBS 1 Row at midpt 1-17, 2-17, 6-15
2 Rows at 1/3 pts 1-18

REACTIONS. (size) 18=0-3-8, 11=4-9-8, 9=4-9-8, 12=0-3-8, 9=4-9-8
Max Horz 18=-349(LC 12)
Max Uplift 18=-159(LC 12), 11=-34(LC 12), 9=-73(LC 9), 9=-2(LC 1)
Max Grav 18=1539(LC 18), 11=1945(LC 18), 12=158(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-1371/346, 1-2=-687/148, 2-4=-1056/184, 4-5=-1059/182, 5-6=-1246/165, 6-7=-1886/155, 7-8=-1810/152, 8-9=-91/991
BOT CHORD 17-18=-157/429, 14-15=0/1492, 13-14=-36/1701, 12-13=-19/387, 11-12=-19/387, 9-11=-894/149
WEBS 1-17=-298/1378, 2-17=-1114/258, 15-17=0/808, 2-15=-80/807, 5-15=0/421, 6-15=-787/211, 6-14=0/468, 7-13=-564/78, 8-13=-34/1464, 8-11=-2238/222

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-11-9, Interior(1) 3-11-9 to 16-1-3, Exterior(2R) 16-1-3 to 19-11-0, Interior(1) 19-11-0 to 39-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 100 lb uplift at joint(s) 11, 9, 9 except (jt=lb) 18=159.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T22707767
ZEDICKS	A13ET	GABLE	1	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:08 2021 Page 1
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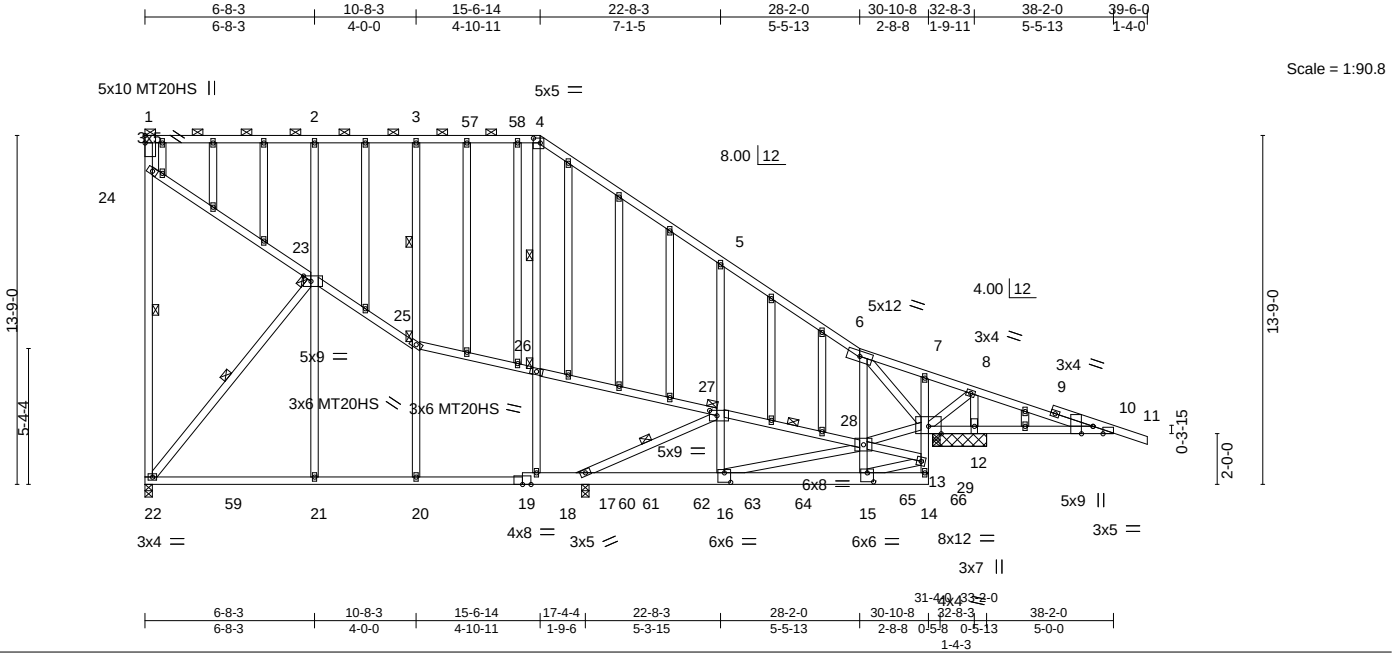

Plate Offsets (X,Y)-- [4:0-3-4,0-2-4], [10:0-3-8,Edge], [10:0-4-12,Edge], [15:0-3-0,0-4-4], [16:0-3-0,0-4-8], [23:0-3-8,0-2-8], [27:0-3-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	-0.24	20	>857	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.37	20	>540	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.64	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Wind(LL)	0.13	20	>999	240	Weight: 430 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
14-19: 2x6 SP SS
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-8-14 oc bracing: 12-13
5-9-14 oc bracing: 10-12.
WEBS 1 Row at midpt 1-22, 3-25, 4-26, 17-27, 27-28, 22-23
JOINTS 1 Brace at Jt(s): 1, 23, 25, 26, 27

REACTIONS. All bearings 2-1-8 except (jt=length) 22=0-3-8, 17=0-3-8.
(lb) - Max Horz 22=-349(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 22=-109(LC 17), 13=-390(LC 8), 12=-944(LC 18), 17=-317(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 22=1080(LC 14), 13=3783(LC 1), 13=3783(LC 1), 12=1289(LC 15), 17=2383(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 22-24=-478/108, 1-2=-437/75, 2-3=-445/76, 3-4=-443/76, 4-5=-637/58, 5-6=-633/0, 6-7=-360/1464, 7-8=-386/1489, 8-10=-268/1088
BOT CHORD 21-22=0/503, 20-21=0/498, 18-20=0/532, 17-18=0/503, 16-17=-102/3012, 15-16=-169/1859, 13-29=-98/1128, 12-13=-995/285, 10-12=-995/285
WEBS 23-24=-96/550, 21-23=0/470, 2-23=-392/125, 17-27=-2966/484, 16-27=-196/1416, 5-27=-452/227, 27-28=-2723/404, 15-28=-32/884, 6-28=-96/1209, 13-28=0/596, 6-13=-2726/218, 8-13=-961/1001, 8-12=-1082/903, 28-29=-2011/202, 16-28=0/1174, 22-23=-686/51, 15-29=-148/1866

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 22, 390 lb uplift at joint 13, 944 lb uplift at joint 12 and 317 lb uplift at joint 17.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

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February 3,2021

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NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 347 lb down and 61 lb up at 17-9-4, 577 lb down and 63 lb up at 19-9-4, 577 lb down and 61 lb up at 21-9-4, 577 lb down and 58 lb up at 23-9-4, 577 lb down and 57 lb up at 25-9-4, and 577 lb down and 55 lb up at 27-9-4, and 534 lb down and 52 lb up at 29-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-6=-60, 6-11=-60, 14-22=-20, 13-54=-20
   Concentrated Loads (lb)
   Vert: 60=-347(F) 61=-577(F) 62=-577(F) 63=-577(F) 64=-577(F) 65=-577(F) 66=-534(F)

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A14	Monopitch	22	1	T22707768
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:09 2021 Page 1
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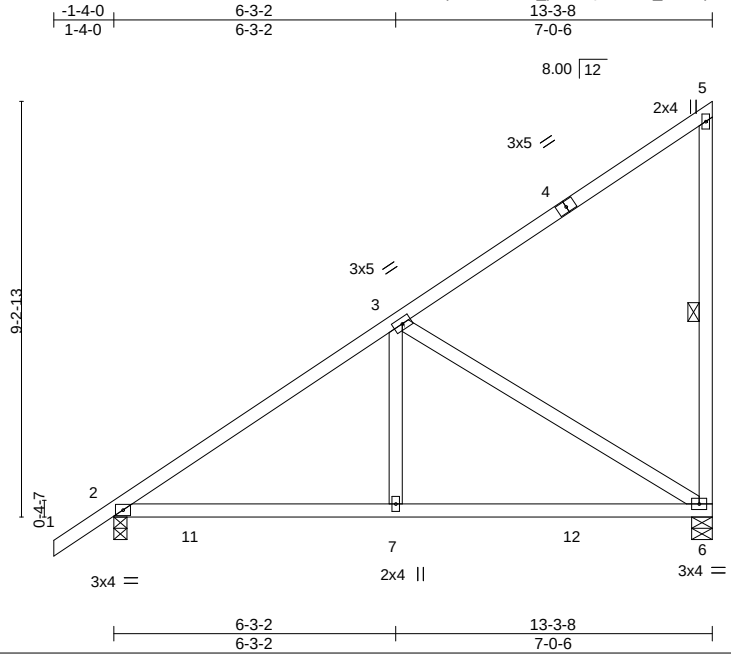

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.06	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.11	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.08	6-7	>999	240	Weight: 76 lb	FT = 15%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-5-8
Max Horz 2=291(LC 12)
Max Uplift 2=-123(LC 12), 6=-245(LC 12)
Max Grav 2=610(LC 1), 6=522(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-664/215
BOT CHORD 2-7=-407/490, 6-7=-407/490
WEBS 3-7=-212/303, 3-6=-560/464

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-1-12 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 2 and 245 lb uplift at joint 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A15	Roof Special	1	1	T22707769
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:10 2021 Page 1
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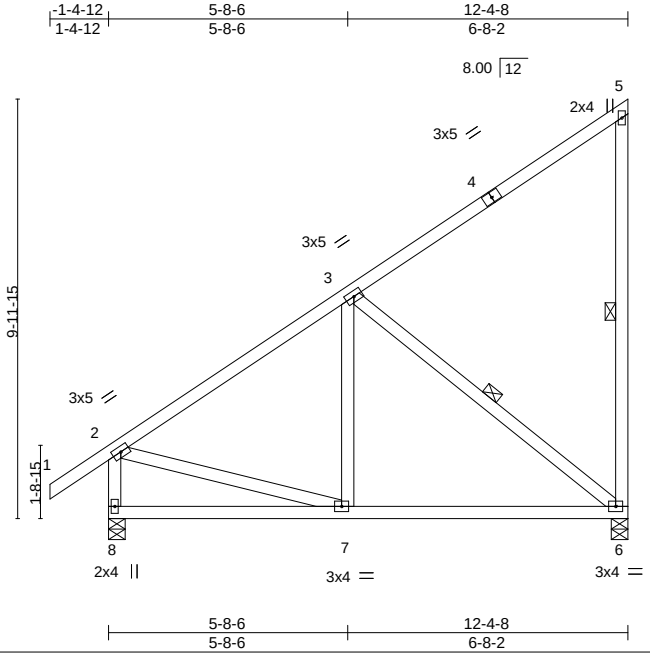

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.05	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.10	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	-0.00	6-7	>999	240	Weight: 87 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-6, 3-6

REACTIONS. (size) 8=0-4-12, 6=0-4-12
Max Horz 6=312(LC 12)
Max Uplift 6=-139(LC 12)
Max Grav 8=582(LC 1), 6=495(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-475/0, 2-8=-534/37
BOT CHORD 6-7=0/328
WEBS 3-6=-430/224, 2-7=0/295

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 1-7-4, Interior(1) 1-7-4 to 12-2-12 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A15ET	ROOF SPECIAL SUPPORT	1	1	T22707770
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:11 2021 Page 1
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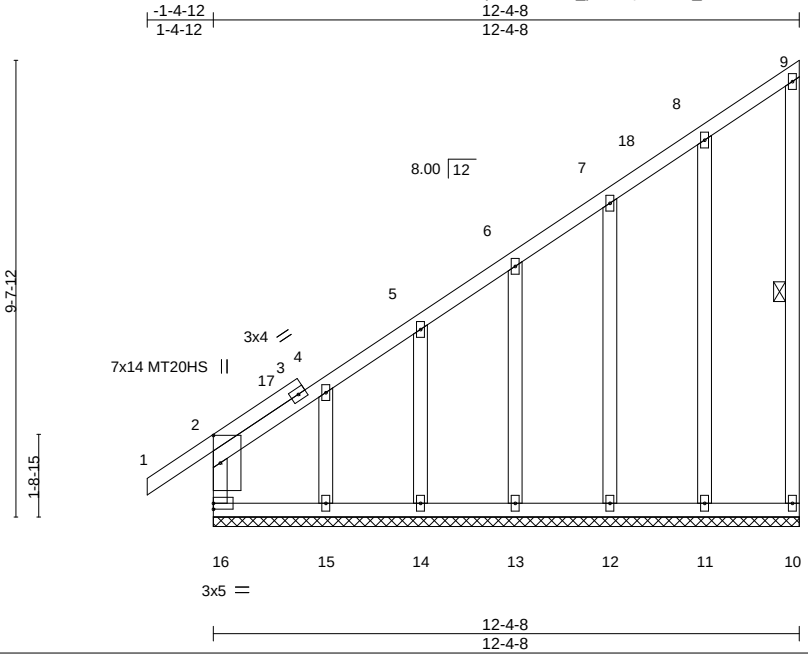

Plate Offsets (X,Y)-- [2:0-7-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.00	1	n/r	120	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	-0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-R							Weight: 99 lb	FT = 15%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 12-4-8.
(lb) - Max Horz 16=295(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 10, 16, 11, 12, 13 except 15=-218(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 10, 16, 11, 12, 13, 14, 15

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-516/250, 4-5=-358/172, 5-6=-292/139, 2-16=-295/118
WEBS 4-15=-181/280

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-4-12 to 1-7-4, Exterior(2N) 1-7-4 to 12-2-12 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 16, 11, 12, 13 except (jt=lb) 15=218.

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A16	Monopitch	1	1	T22707771
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:12 2021 Page 1
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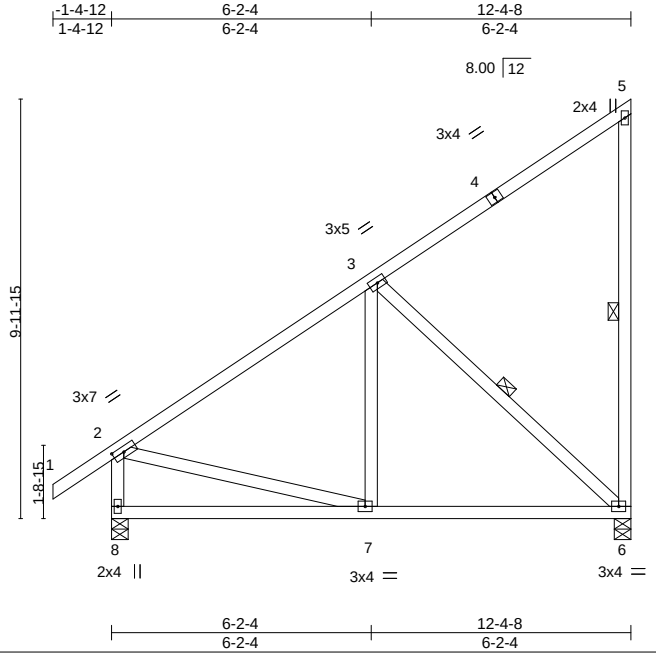

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8]

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	0.36	Vert(LL)	-0.03	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.07	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.00	7	>999	240	Weight: 87 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-6, 3-6

REACTIONS. (size) 8=0-4-12, 6=0-4-12
Max Horz 8=277(LC 12)
Max Uplift 6=-137(LC 12)
Max Grav 8=582(LC 1), 6=493(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-465/0, 2-8=-526/41
BOT CHORD 7-8=-352/274, 6-7=-161/323
WEBS 3-6=-428/214

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 1-7-4, Interior(1) 1-7-4 to 12-2-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=137.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	A17	Monopitch	1	1	T22707772
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:12 2021 Page 1
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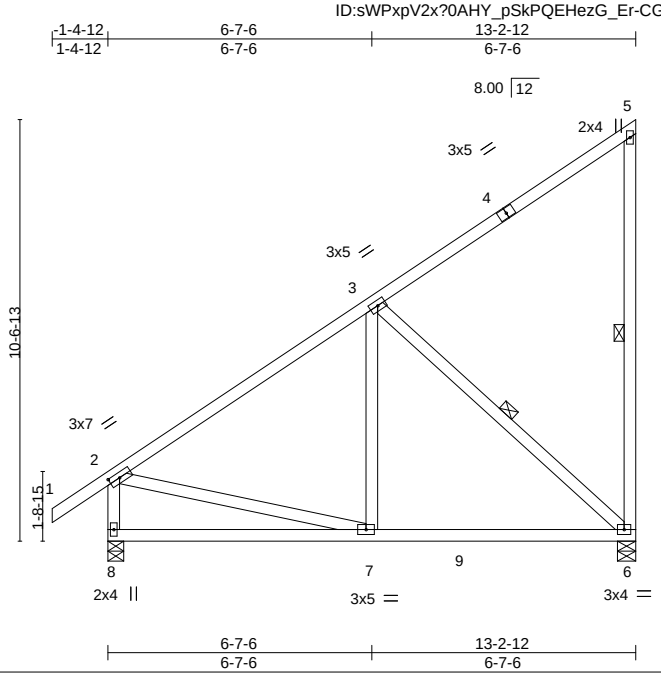

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8]

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	0.41	Vert(LL)	-0.06	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.10	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.01	7	>999	240	Weight: 93 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-6, 3-6

REACTIONS. (size) 8=0-4-12, 6=0-5-8
Max Horz 8=293(LC 12)
Max Uplift 6=-144(LC 12)
Max Grav 8=671(LC 17), 6=645(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-545/0, 2-8=-572/35
BOT CHORD 7-8=-361/295, 6-7=-160/436
WEBS 3-7=0/288, 3-6=-571/211, 2-7=0/315

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 1-7-4, Interior(1) 1-7-4 to 13-1-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 6=144.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	B1	Roof Special	1	1	T22707773
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:30 2021 Page 1
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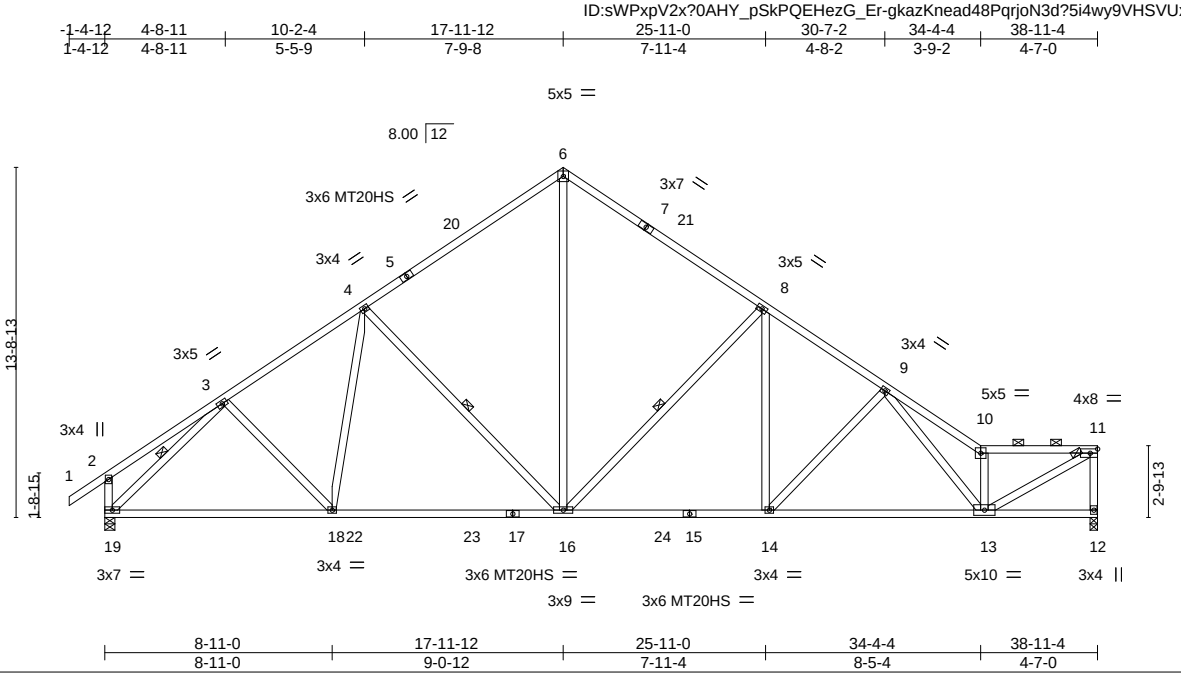

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.27	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.47	16-18	>989	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS		Wind(LL)	0.10	13-14	>999	240	Weight: 257 lb	FT = 15%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-4-5 max.): 10-11.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-16, 8-16, 3-19

REACTIONS. (size) 12=0-3-8, 19=0-4-12
Max Horz 19=-288(LC 10)
Max Uplift 12=-96(LC 12), 19=-140(LC 12)
Max Grav 12=1733(LC 18), 19=1845(LC 17)

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

TOP CHORD	2-3=-289/96, 3-4=-2064/209, 4-6=-1677/272, 6-8=-1677/274, 8-9=-2346/234, 9-10=-3391/247, 10-11=-2675/150, 11-12=-1674/119, 2-19=-355/131
BOT CHORD	18-19=-133/1694, 16-18=-76/1772, 14-16=-75/1910, 13-14=-143/2231
WEBS	3-18=0/256, 4-18=0/295, 4-16=-589/155, 6-16=-122/1320, 8-16=-987/162, 8-14=0/717, 9-14=-507/99, 9-13=-31/914, 10-13=-2041/199, 11-13=-164/3047, 3-19=-1936/127

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 2-6-0, Interior(1) 2-6-0 to 17-11-12, Exterior(2R) 17-11-12 to 21-10-8, Interior(1) 21-10-8 to 38-9-8 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 19=140.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	B2	Roof Special	1	1	T22707774
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:32 2021 Page 1
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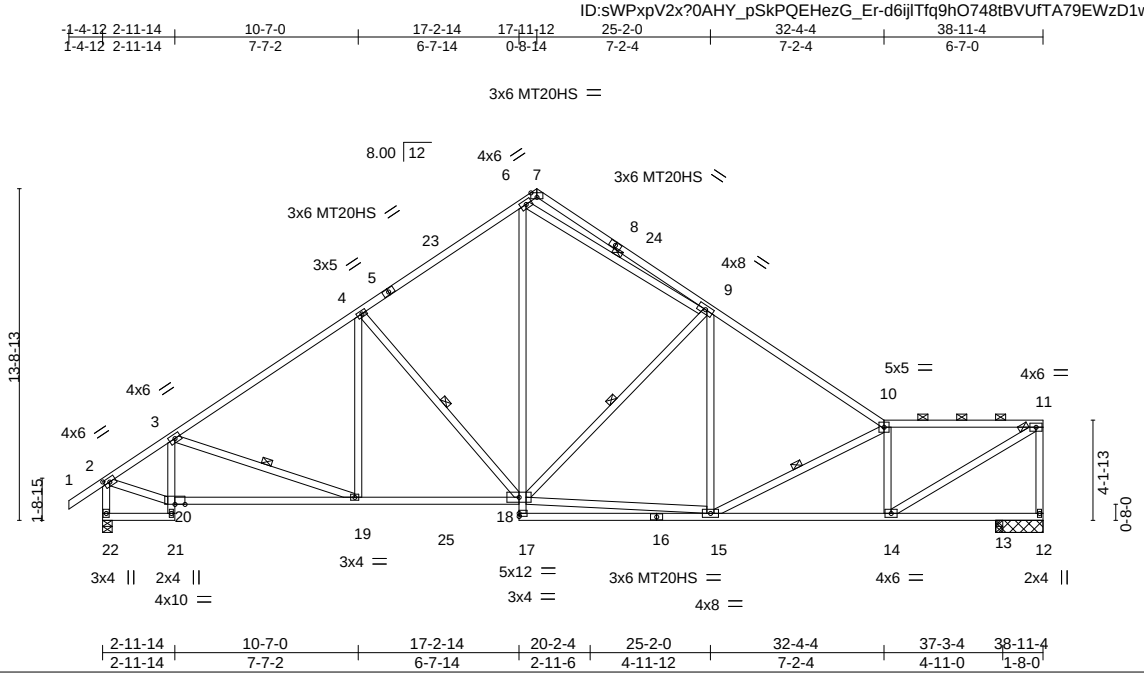

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [7:0-3-0,Edge]

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	0.68	Vert(LL)	-0.18	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.35	15-17	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.10	14-15	>999	240	Weight: 281 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-11-10 max.): 10-11.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-19, 4-18, 10-15, 9-18, 6-9

REACTIONS. (size) 12=1-11-8, 22=0-4-12, 13=0-3-8
Max Horz 22=-275(LC 10)
Max Uplift 12=-130(LC 12), 22=-138(LC 12)
Max Grav 12=1446(LC 18), 22=1800(LC 17), 13=241(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2007/162, 3-4=-2177/213, 4-6=-1683/277, 6-7=-272/122, 7-9=-499/78, 9-10=-2190/222, 10-11=-2254/175, 11-12=-1524/150, 2-22=-1770/174
BOT CHORD 3-20=-392/92, 19-20=-220/1924, 18-19=-113/1861, 6-18=-133/1283, 14-15=-181/2299
WEBS 4-19=0/373, 4-18=-708/148, 9-15=0/478, 10-15=-652/92, 10-14=-1210/179, 11-14=-196/2624, 2-20=-100/1736, 15-18=-110/1528, 9-18=-734/141, 6-9=-1339/255

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 2-6-0, Interior(1) 2-6-0 to 17-11-12, Exterior(2R) 17-11-12 to 21-10-8, Interior(1) 21-10-8 to 38-9-8 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=130, 22=138.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	B3	Roof Special	1	1	T22707775
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:33 2021 Page 1
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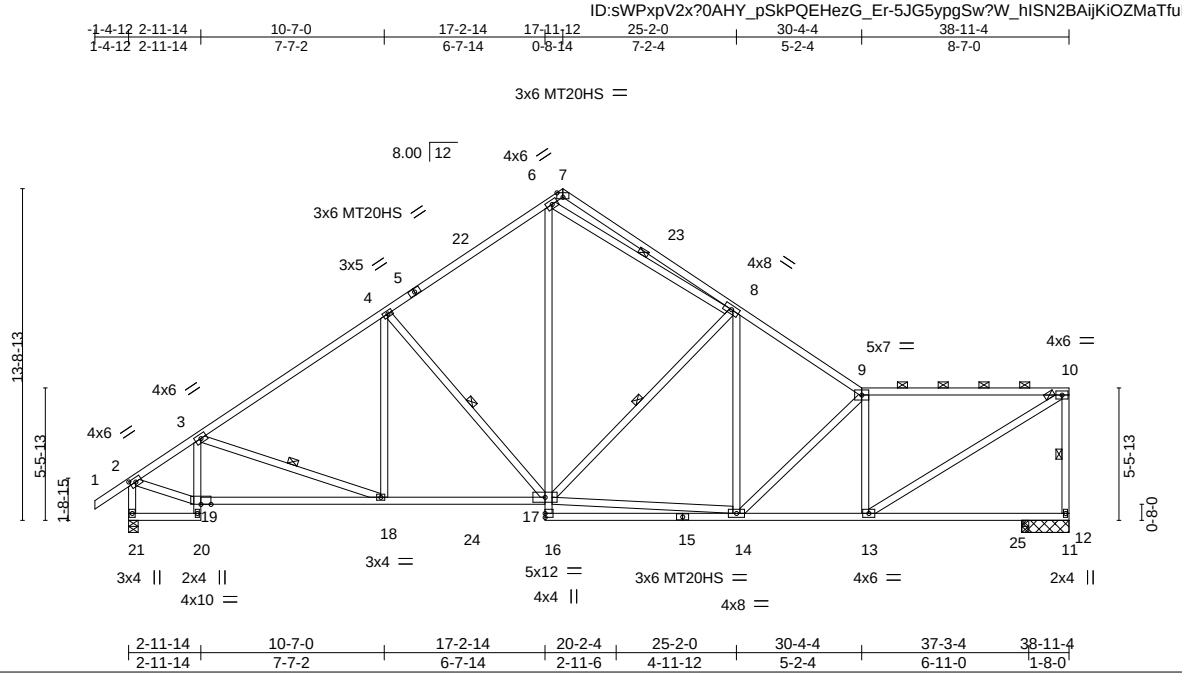

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [7:0-3-0,Edge]

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	0.73	Vert(LL)	-0.18	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.36	14-16	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.10	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.09	13-14	>999	240	Weight: 286 lb	FT = 15%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 9-10: 2x4 SP SS
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-4-9 max.): 9-10.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 10-11, 3-18, 4-17, 8-17, 6-8

REACTIONS. (size) 11=1-11-8, 21=0-4-12, 12=0-3-8
Max Horz 21=-261(LC 10)
Max Uplift 11=-182(LC 12), 21=-136(LC 12)
Max Grav 11=1431(LC 17), 21=1802(LC 17), 12=326(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2009/163, 3-4=-2180/212, 4-6=-1677/274, 6-7=-302/134, 7-8=-543/96, 8-9=-2155/227, 9-10=-2078/178, 10-11=-1493/172, 2-21=-1771/176
BOT CHORD 3-19=-393/90, 18-19=-263/1913, 17-18=-150/1852, 6-17=-125/1277, 13-14=-183/2109
WEBS 4-18=0/373, 4-17=-706/150, 8-14=0/517, 9-14=-556/77, 9-13=-1110/171, 10-13=-195/2411, 2-19=-107/1735, 14-17=-139/1496, 8-17=-694/126, 6-8=-1306/228

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 2-4-0, Interior(1) 2-4-0 to 17-11-12, Exterior(2R) 17-11-12 to 21-8-8, Interior(1) 21-8-8 to 38-9-8 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=182, 21=136.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	B4	Roof Special	1	1	T22707776
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:34 2021 Page 1
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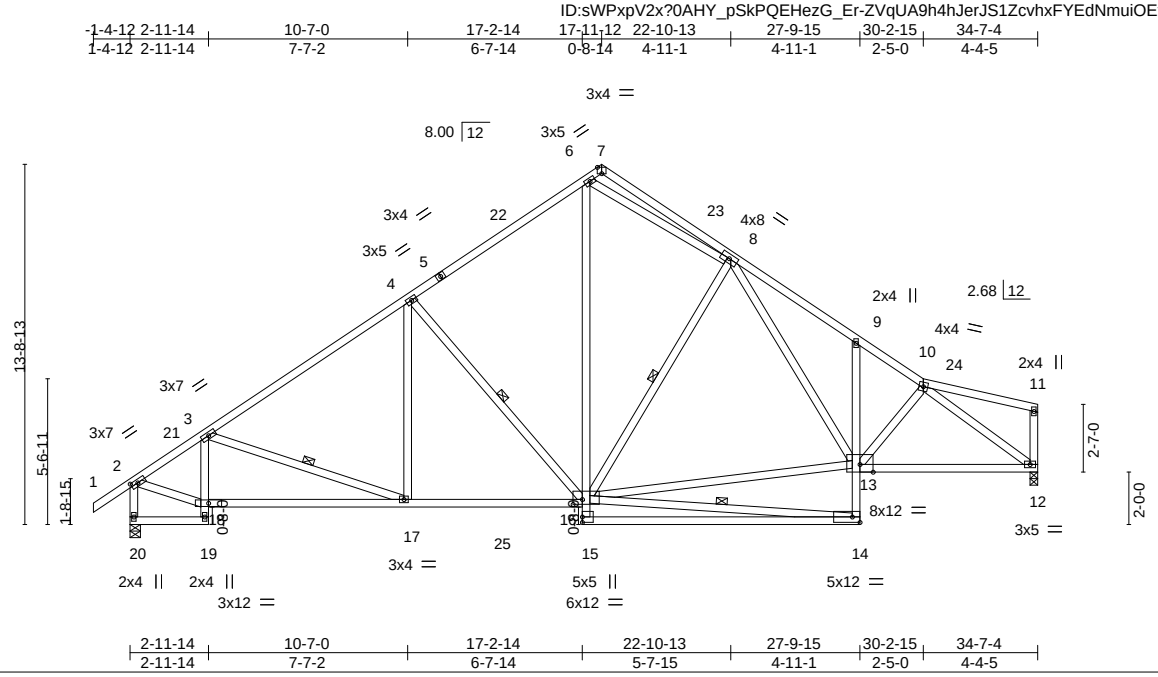

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [7:0-2-0,Edge], [16:0-4-4,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.31	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.64	14-15	>640	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.09	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.06	16	>999	240	Weight: 276 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-17, 4-16, 14-16, 8-16

REACTIONS. (size) 20=0-4-12, 12=0-3-8
Max Horz 20=-266(LC 10)
Max Uplift 20=-124(LC 12), 12=-91(LC 12)
Max Grav 20=1621(LC 17), 12=1485(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1793/267, 3-4=-1889/327, 4-6=-1382/376, 7-8=-287/96, 8-9=-2035/459, 9-10=-2013/348, 2-20=-1592/301
BOT CHORD 3-18=-336/116, 17-18=-347/1738, 16-17=-209/1615, 6-16=-204/973, 14-15=0/281, 12-13=-265/1655
WEBS 4-17=0/380, 4-16=-711/212, 6-8=-1201/424, 8-16=-511/198, 13-16=-189/1191, 8-13=-130/765, 2-18=-188/1553, 10-12=-1989/336

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=35ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 2-0-12, Interior(1) 2-0-12 to 17-11-12, Exterior(2R) 17-11-12 to 21-5-4, Interior(1) 21-5-4 to 34-5-8 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 12 except (jt=lb) 20=124.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	B5	Roof Special	1	1	T22707777
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:36 2021 Page 1
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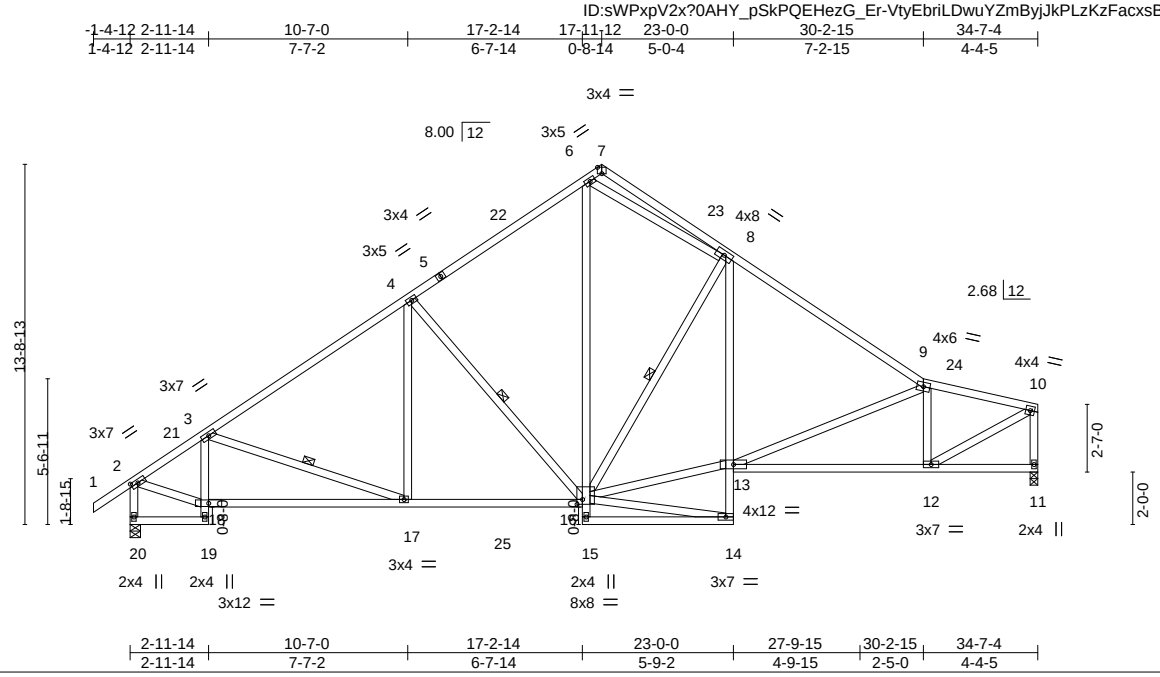

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [7:0-2-0,Edge], [16:0-2-8,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.14	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.29	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.06	14	>999	240	Weight: 262 lb	FT = 15%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-17, 4-16, 8-16

REACTIONS. (size) 20=0-4-12, 11=0-3-8
Max Horz 20=-228(LC 10)
Max Uplift 20=-125(LC 12), 11=-90(LC 12)
Max Grav 20=1622(LC 17), 11=1485(LC 19)

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

TOP CHORD	2-3=-1786/270, 3-4=-1887/329, 4-6=-1383/377, 8-9=-1851/353, 9-10=-1785/277, 2-20=-1591/302, 10-11=-1440/236
BOT CHORD	3-18=-336/116, 17-18=-336/1731, 16-17=-205/1613, 6-16=-217/986, 8-13=-6/708, 12-13=-261/1755
WEBS	4-17=0/381, 4-16=-710/209, 6-8=-1229/463, 8-16=-832/191, 13-16=-146/1512, 9-13=-381/112, 2-18=-196/1560, 10-12=-280/1953, 9-12=-756/226

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=35ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 2-0-12, Interior(1) 2-0-12 to 17-11-12, Exterior(2R) 17-11-12 to 21-5-4, Interior(1) 21-5-4 to 34-5-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 20=125.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

This item has been electronically signed and sealed by Lee, Julius, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	B6	Roof Special	1	1	T22707778
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:37 2021 Page 1
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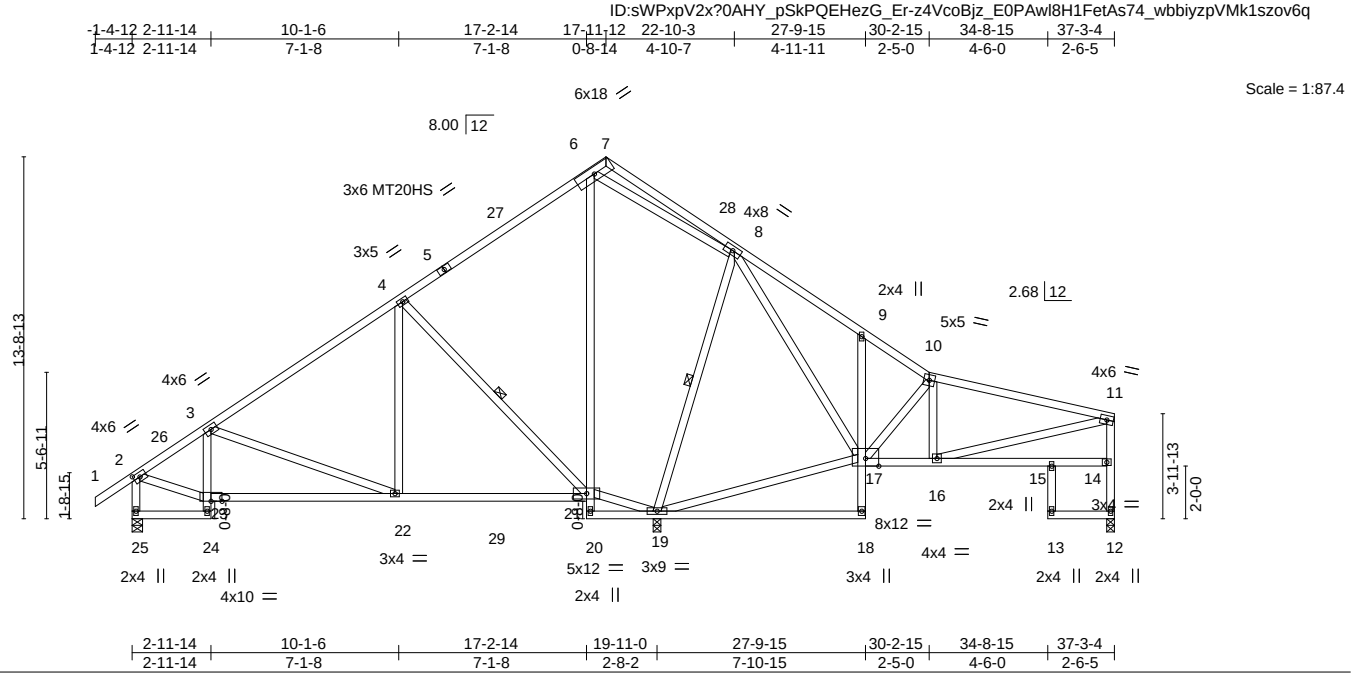

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0]

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	0.57	Vert(LL)	-0.23	21-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.42	21-22	>567	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.24	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.10	21-22	>999	240	Weight: 283 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-21, 8-19

REACTIONS. (size) 25=0-4-12, 12=0-3-8, 19=0-3-8
Max Horz 25=-273(LC 10)
Max Uplift 25=-77(LC 12), 12=-31(LC 12), 19=-120(LC 12)
Max Grav 25=1466(LC 17), 12=1285(LC 17), 19=845(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1597/188, 3-4=-1670/219, 4-6=-1107/250, 7-8=-340/0, 8-9=-2001/358, 9-10=-2050/264, 10-11=-2200/230, 2-25=-1436/225, 12-14=-1226/148, 11-14=-1121/169
BOT CHORD 3-23=-282/85, 22-23=-256/1555, 21-22=-119/1448, 6-21=-74/705, 19-20=-120/256, 16-17=-194/2126
WEBS 4-22=0/411, 4-21=-761/221, 19-21=0/695, 6-8=-827/351, 8-19=-821/249, 17-19=-60/1055, 8-17=-192/1172, 10-17=-734/110, 10-16=-324/121, 2-23=-110/1370, 11-16=-168/1967

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 2-4-0, Interior(1) 2-4-0 to 17-11-12, Exterior(2R) 17-11-12 to 21-8-8, Interior(1) 21-8-8 to 37-1-8 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are MT20 plates 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 100 lb uplift at joint(s) 25, 12 except (jt=lb) 19=120.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	B7	Monopitch	1	1	T22707779
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:38 2021 Page 1
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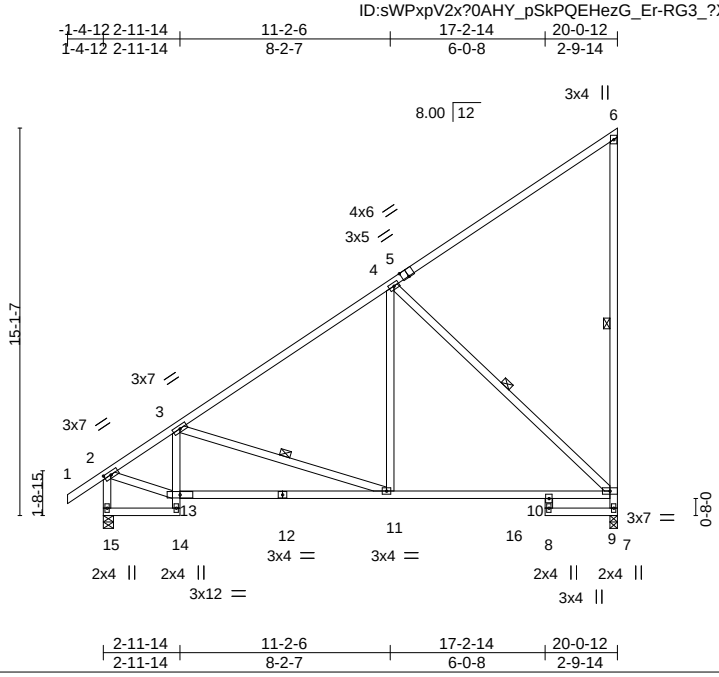

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [5:0-3-0,Edge]

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	0.89	Vert(LL)	-0.27	10-11	>891	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.39	10-11	>603	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.05	11-13	>999	240	Weight: 146 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-7, 3-11, 4-9

REACTIONS. (size) 7=0-3-8, 15=0-4-12
Max Horz 15=459(LC 12)
Max Uplift 7=-206(LC 12)
Max Grav 7=1039(LC 17), 15=985(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1021/0, 3-4=-860/0, 7-9=-961/227, 2-15=-952/7
BOT CHORD 14-15=-360/244, 11-13=-376/1018, 10-11=-153/697, 9-10=-192/645
WEBS 3-11=-346/234, 4-11=0/528, 4-9=-933/207, 2-13=0/884

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 1-7-4, Interior(1) 1-7-4 to 19-11-0 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 7=206.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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MiTek USA, Inc. FL Cert 6634
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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	B8	Monopitch	1	1	T22707780
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:39 2021 Page 1
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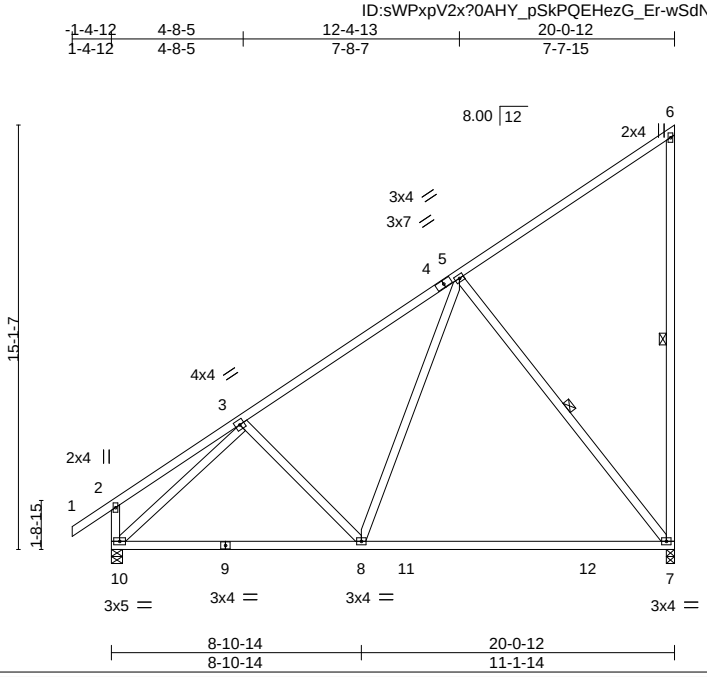

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.64	7-8	>370	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.98	7-8	>243	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.01	8	>999	240	Weight: 142 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-9: 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.2

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

REACTIONS. (size) 7=0-3-8, 10=0-4-12
Max Horz 10=459(LC 12)
Max Uplift 7=-206(LC 12)
Max Grav 7=1022(LC 17), 10=991(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-896/0
BOT CHORD 8-10=-270/814, 7-8=-134/511
WEBS 5-8=0/632, 5-7=-834/218, 3-10=-926/0

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-12 to 1-7-4, Interior(1) 1-7-4 to 19-11-0 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 7=206.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	BET	GABLE	1	1	T22707781
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:41 2021 Page 1
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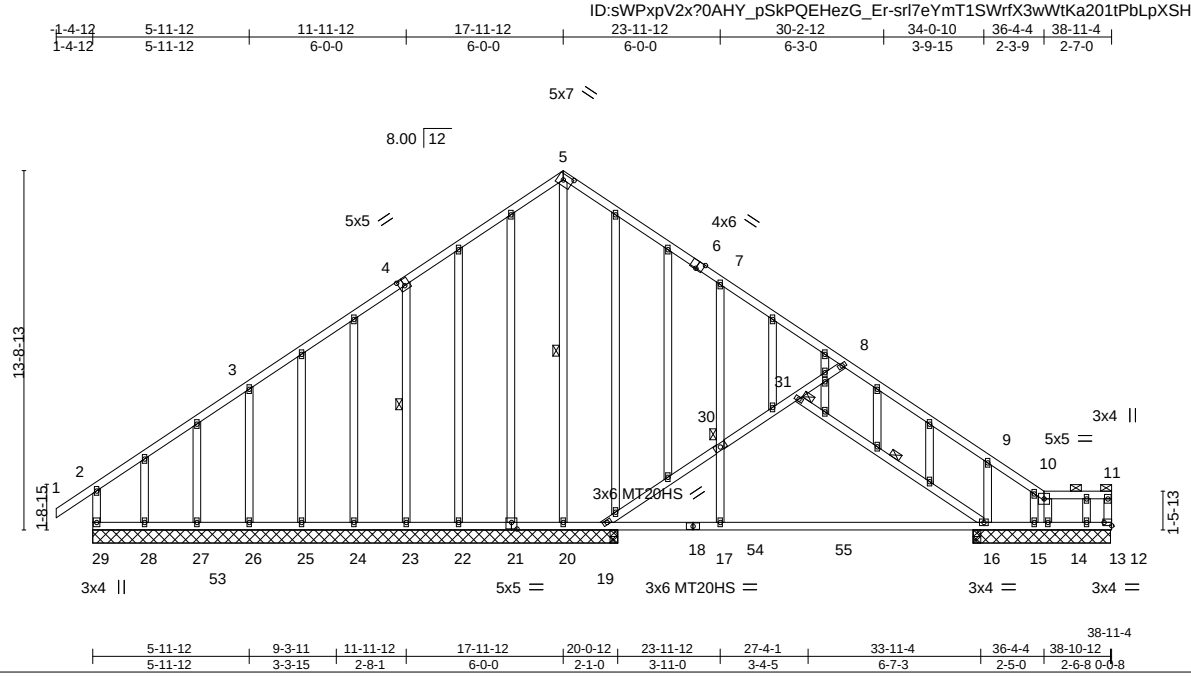

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [5:0-4-4,0-2-8], [6:0-3-0,Edge], [12:Edge,0-1-8], [21:0-2-8,0-3-0]

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	0.29	Vert(LL)	-0.40	16-17	>445	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.73	16-17	>243	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.18	16-17	>977	240	Weight: 335 lb	FT = 15%

LUMBER-

TOP CHORD	2x4 SP SS
BOT CHORD	2x4 SP SS *Except* 18-21: 2x4 SP No.1
WEBS	2x4 SP No.2 *Except* 8-30: 2x4 SP No.1
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 10-11.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-23, 5-20, 16-31
JOINTS	1 Brace at Jt(s): 11, 30, 31

REACTIONS. All bearings 20-0-12 except (jt=length) 12=5-3-0, 16=5-3-0, 16=5-3-0, 14=5-3-0, 15=5-3-0, 13=5-3-0, 19=0-3-8, 19=0-3-8.
(lb) - Max Horz 29=-301(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 29, 16, 28 except 12=-108(LC 9), 26=-169(LC 12), 23=-155(LC 12), 15=-842(LC 18), 13=-296(LC 17), 19=-133(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 22, 24, 25, 27, 28, 13 except 12=402(LC 17), 29=276(LC 21), 26=506(LC 17), 23=406(LC 17), 20=365(LC 18), 16=1070(LC 18), 16=765(LC 1), 14=780(LC 17), 19=863(LC 18), 19=682(LC 1)

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

TOP CHORD	4-5=-238/398, 5-7=-210/394, 7-8=-274/262, 8-9=-367/270, 9-10=-364/139, 10-11=-260/92, 2-29=-272/133
BOT CHORD	17-19=-162/612, 16-17=-150/538, 15-16=-102/289, 14-15=-102/289, 13-14=-92/260, 12-13=-92/260
WEBS	3-26=-397/246, 4-23=-362/221, 5-20=-504/0, 19-30=-775/240, 17-30=0/271, 30-31=-521/204, 8-31=-389/183, 16-31=-347/58

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=39ft; eave=1ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-4-12 to 2-6-0, Exterior(2N) 2-6-0 to 17-11-12, Corner(3R) 17-11-12 to 21-10-8, Exterior(2N) 21-10-8 to 38-9-8 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) 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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6904 Parke East Blvd. Tampa FL 33610
Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

NOTES-

10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 29, 16, 28 except (jt=lb) 12=108, 26=169, 23=155, 15=842, 13=296, 19=133.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	CET	Common Supported Gable	1	1	T22707782
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:42 2021 Page 1
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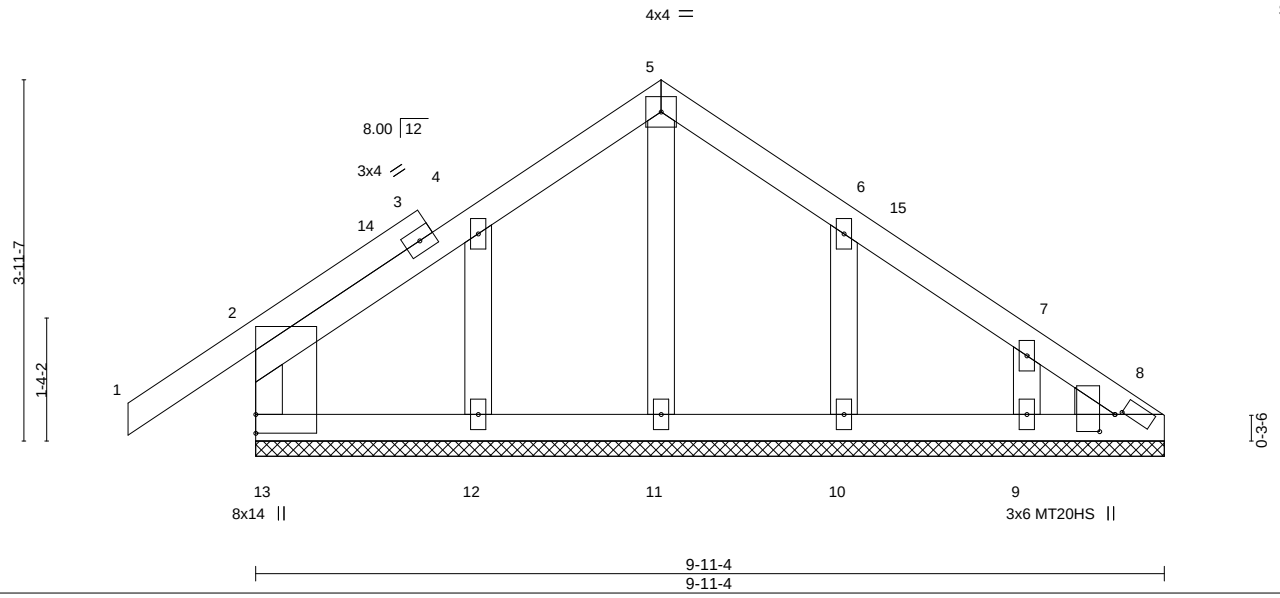

9-11-4 / 9-11-4

Plate Offsets (X,Y)-- [8:0-0-10,0-0-12], [8:0-2-4,0-2-0]

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	0.17	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	1	n/r	120	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 52 lb	FT = 15%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.2
WEDGE	
Right: 2x4 SP No.2	

BRACING-

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

REACTIONS. All bearings 9-11-4.
(lb) - Max Horz 13=76(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 13, 8, 12, 10, 9
Max Grav All reactions 250 lb or less at joint(s) 13, 8, 11, 12, 10, 9

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-4-12 to 1-7-4, Exterior(2N) 1-7-4 to 4-5-3, Corner(3R) 4-5-3 to 7-5-3, Exterior(2N) 7-5-3 to 9-9-8 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 8, 12, 10, 9.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	CJ09	Diagonal Hip Girder	2	1	T22707783
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:43 2021 Page 1
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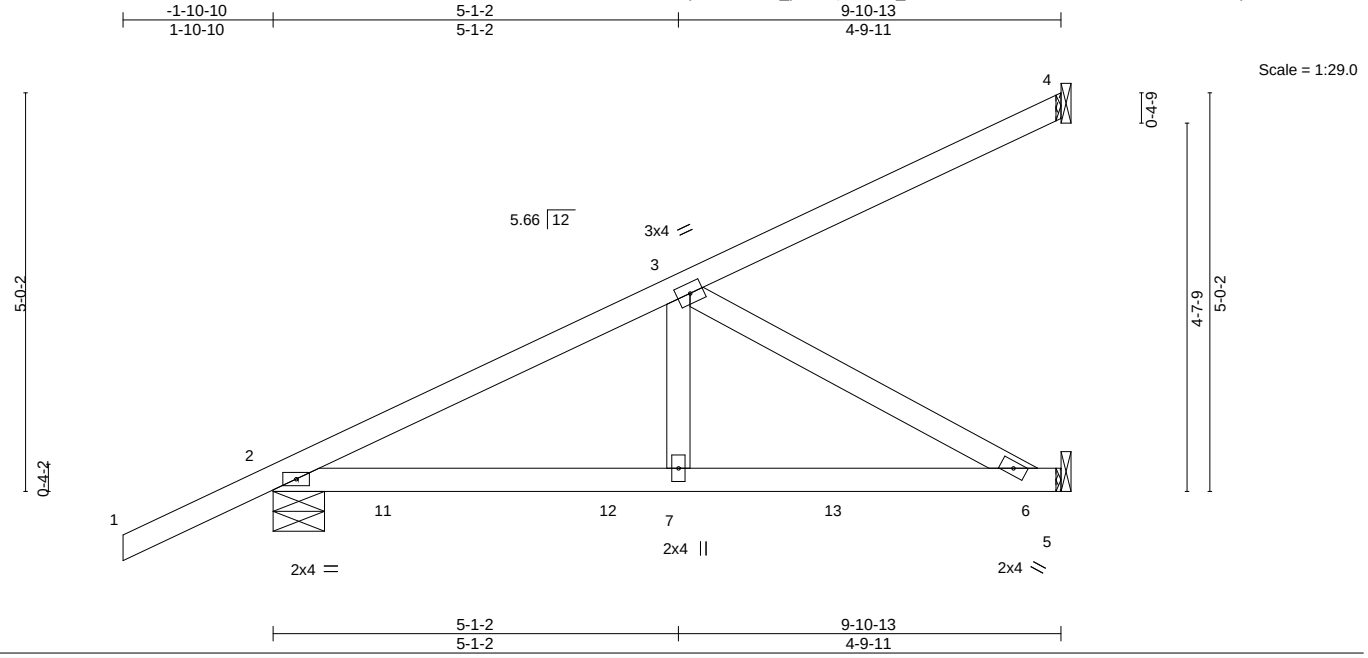

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.09	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.15	6-7	>804	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS		Wind(LL)	0.08	6-7	>999	240	Weight: 45 lb	FT = 15%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-7-12, 5=Mechanical
Max Horz 2=172(LC 8)
Max Uplift 4=-46(LC 8), 2=-148(LC 8), 5=-127(LC 8)
Max Grav 4=116(LC 1), 2=644(LC 1), 5=498(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-881/157
BOT CHORD 2-7=-226/749, 6-7=-226/749
WEBS 3-7=-117/446, 3-6=-853/257

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=148, 5=127.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 39 lb down and 14 lb up at 1-5-4, 39 lb down and 14 lb up at 1-5-4, 48 lb down and 43 lb up at 4-3-4, 48 lb down and 43 lb up at 4-3-4, and 132 lb down and 82 lb up at 7-1-3, and 132 lb down and 82 lb up at 7-1-3 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).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=0(F=0, B=0) 12=-95(F=-48, B=-48) 13=-263(F=-132, B=-132)

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Julius Lee PE No. 34869
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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	CJ09A	DIAGONAL HIP GIRDER	1	1	T22707784
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:44 2021 Page 1
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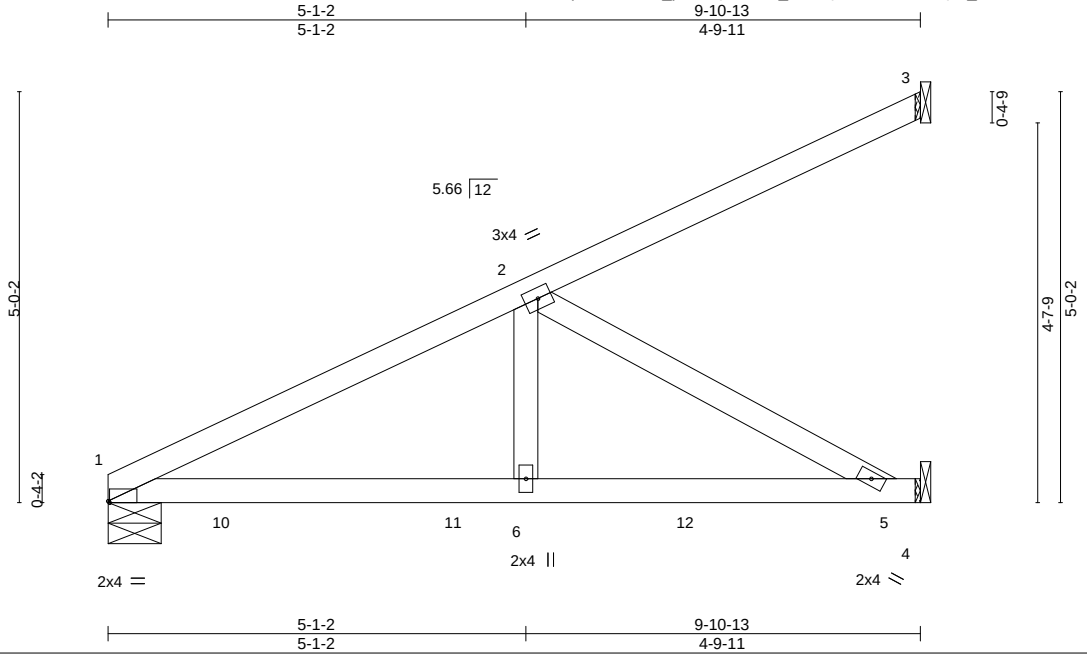

Plate Offsets (X,Y)-- [1:0-0-3,Edge]

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	0.32	Vert(LL)	-0.09	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.15	5-6	>799	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Wind(LL)	0.08	5-6	>999	240	Weight: 42 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-7-12, 3=Mechanical, 4=Mechanical
Max Horz 1=134(LC 8)
Max Uplift 1=-86(LC 8), 3=-44(LC 8), 4=-141(LC 8)
Max Grav 1=533(LC 28), 3=114(LC 1), 4=525(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-937/187
BOT CHORD 1-6=-256/804, 5-6=-256/804
WEBS 2-6=-135/487, 2-5=-915/292

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3 except (jt=lb) 4=141.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 39 lb down and 14 lb up at 1-5-4, 39 lb down and 14 lb up at 1-5-5, 62 lb down and 51 lb up at 4-3-4, 48 lb down and 43 lb up at 4-3-4, and 142 lb down and 85 lb up at 7-1-3, and 132 lb down and 82 lb up at 7-1-3 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).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 4-7=-20
Concentrated Loads (lb)
Vert: 10=0(F=0, B=0) 11=-110(F=-62, B=-48) 12=-274(F=-142, B=-132)

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MiTek USA, Inc. FL Cert 6634
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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	D1	Roof Special	1	1	T22707785
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:46 2021 Page 1
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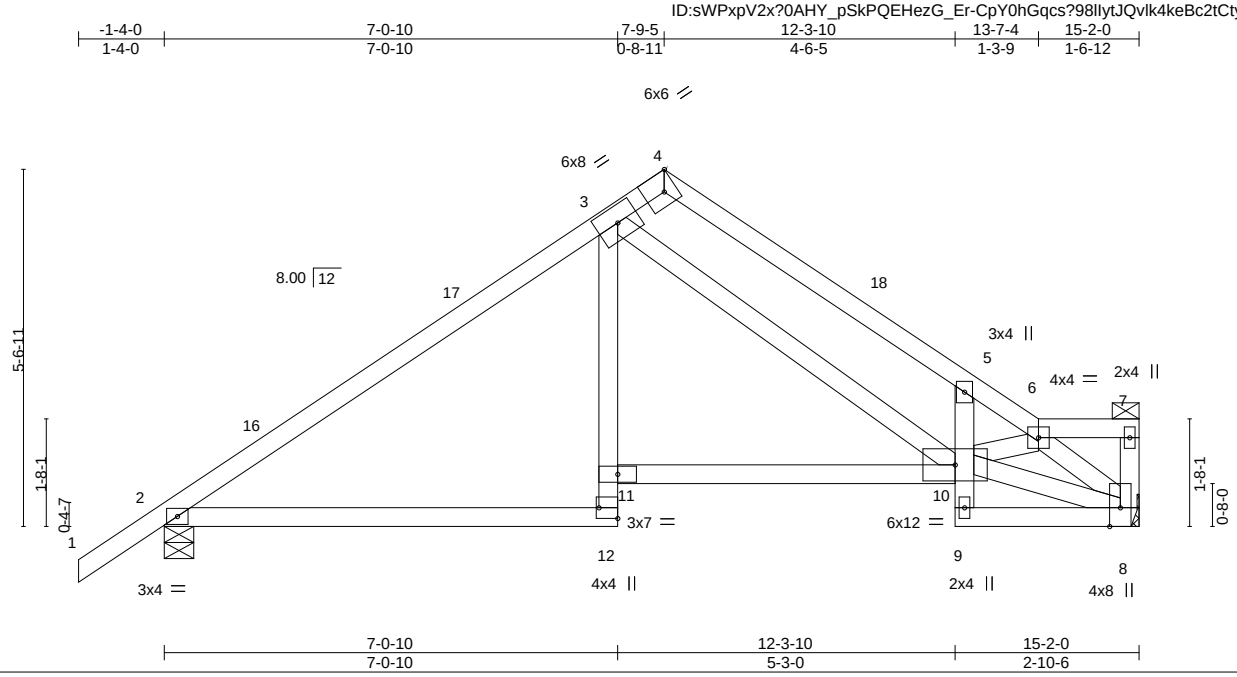

Plate Offsets (X,Y)-- [4:0-2-5,Edge], [12:Edge,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.13	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.28	10-11	>651	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.11	10-11	>999	240	Weight: 80 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=Mechanical, 2=0-5-8
Max Horz 2=103(LC 11)
Max Uplift 8=-35(LC 12), 2=-79(LC 12)
Max Grav 8=597(LC 1), 2=684(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-749/111, 3-4=-481/150, 4-5=-790/155, 5-6=-940/106
BOT CHORD 2-12=-46/526, 3-11=0/285, 10-11=-27/510
WEBS 3-10=-51/295, 8-10=-33/568, 6-8=-958/114

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-9-5, Exterior(2R) 7-9-5 to 10-9-5, Interior(1) 10-9-5 to 15-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	D2	Roof Special	1	1	T22707786
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:47 2021 Page 1
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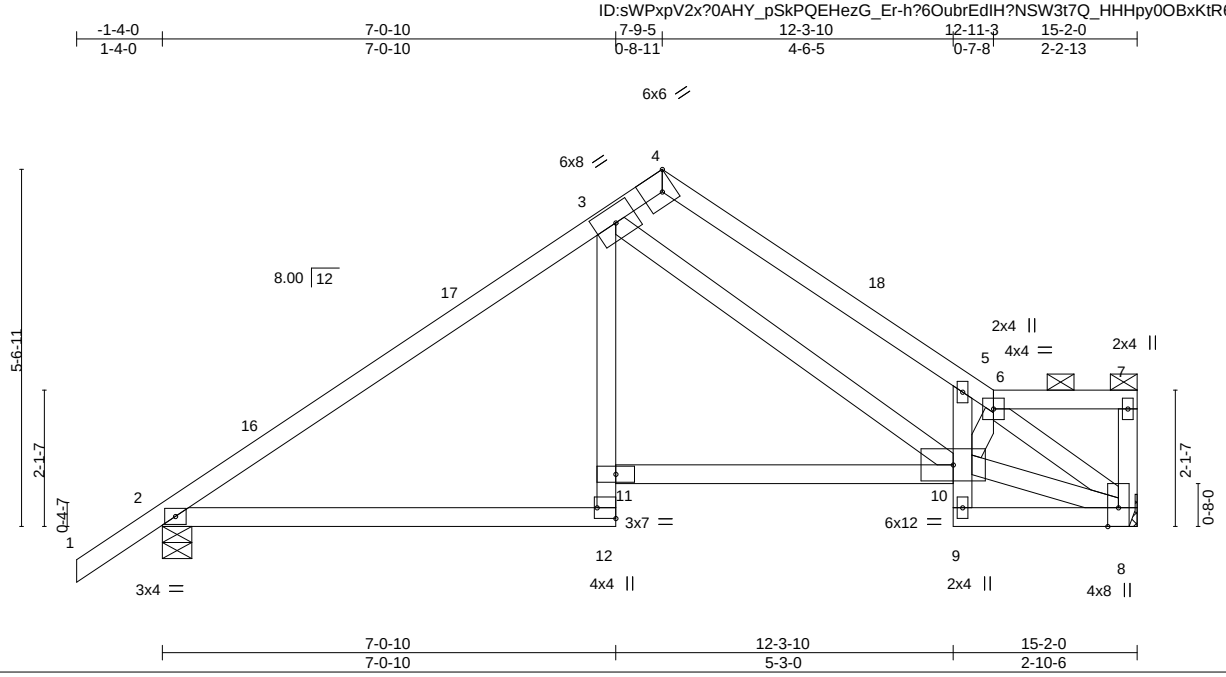

Plate Offsets (X,Y)-- [4:0-2-5,Edge], [12:Edge,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.13	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.28	10-11	>654	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.11	10-11	>999	240	Weight: 82 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=Mechanical, 2=0-5-8
Max Horz 2=99(LC 11)
Max Uplift 8=-37(LC 12), 2=-78(LC 12)
Max Grav 8=597(LC 1), 2=684(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-749/109, 3-4=-480/148, 4-5=-787/150, 5-6=-990/108
BOT CHORD 2-12=-58/526, 3-11=0/285, 10-11=-42/511, 5-10=0/416
WEBS 3-10=-46/292, 8-10=-38/600, 6-8=-979/114

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-9-5, Exterior(2R) 7-9-5 to 10-9-5, Interior(1) 10-9-5 to 15-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	D3	Roof Special	1	1	T22707787
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:48 2021 Page 1
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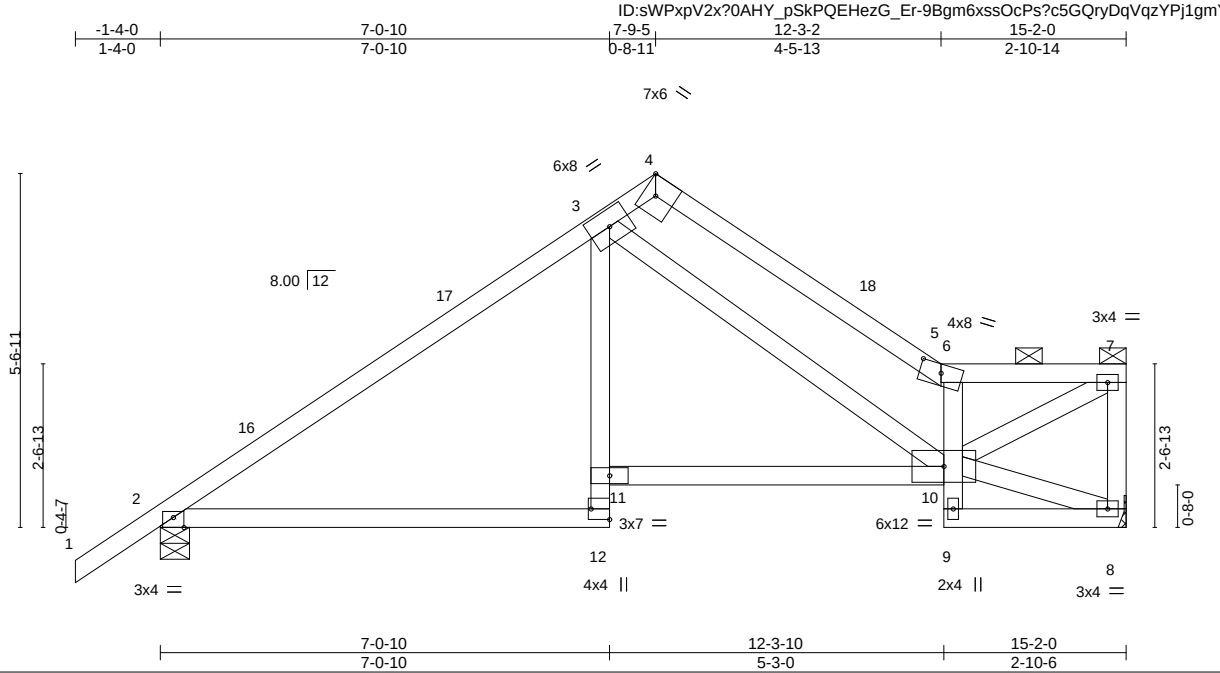

Plate Offsets (X,Y)-- [2:0-2-0,Edge], [5:0-4-0,0-1-11], [12:Edge,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.13	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.28	10-11	>649	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.11	10-11	>999	240	Weight: 81 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=Mechanical, 2=0-5-8
Max Horz 2=103(LC 12)
Max Uplift 8=-38(LC 12), 2=-76(LC 12)
Max Grav 8=597(LC 1), 2=684(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-748/106, 3-4=-486/145, 4-5=-807/145, 5-6=-673/70, 6-7=-726/86, 7-8=-548/77
BOT CHORD 2-12=-70/525, 3-11=0/285, 10-11=-55/505, 6-10=-511/137
WEBS 3-10=-41/309, 7-10=-99/828

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-9-5, Exterior(2R) 7-9-5 to 10-9-5, Interior(1) 10-9-5 to 15-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	D4	Roof Special	1	1	T22707788
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:49 2021 Page 1
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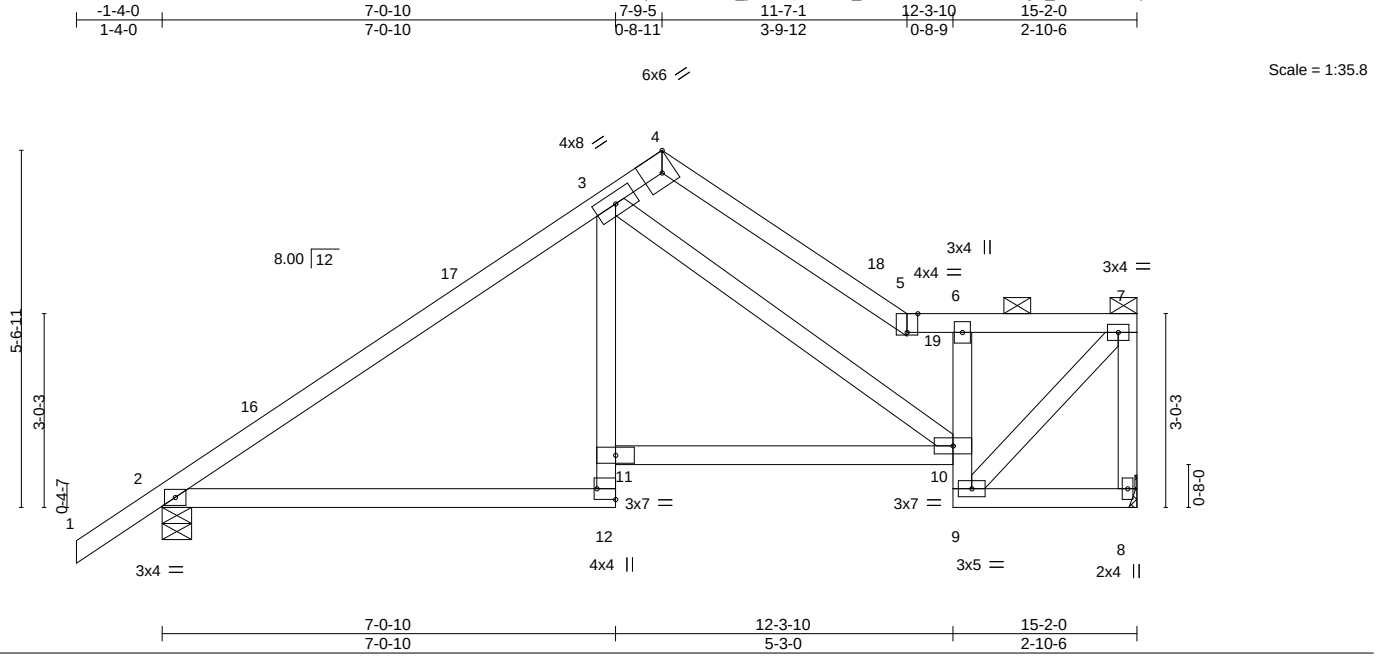

Plate Offsets (X,Y)-- [4:0-2-5,Edge], [5:0-2-0,Edge], [12:Edge,0-3-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.12	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.27	10-11	>677	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.12	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.11	10-11	>999	240	Weight: 80 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=Mechanical, 2=0-5-8
Max Horz 2=116(LC 12)
Max Uplift 8=-41(LC 12), 2=-74(LC 12)
Max Grav 8=597(LC 1), 2=684(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-752/102, 3-4=-469/139, 4-5=-719/131, 5-6=-620/72, 6-7=-499/69, 7-8=-604/92
BOT CHORD 2-12=-82/530, 3-11=0/285, 10-11=-69/524, 9-10=-461/87, 6-10=-487/135
WEBS 7-9=-99/714

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-9-5, Exterior(2R) 7-9-5 to 10-9-5, Interior(1) 10-9-5 to 15-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	D5	Roof Special	1	1	T22707789
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:50 2021 Page 1
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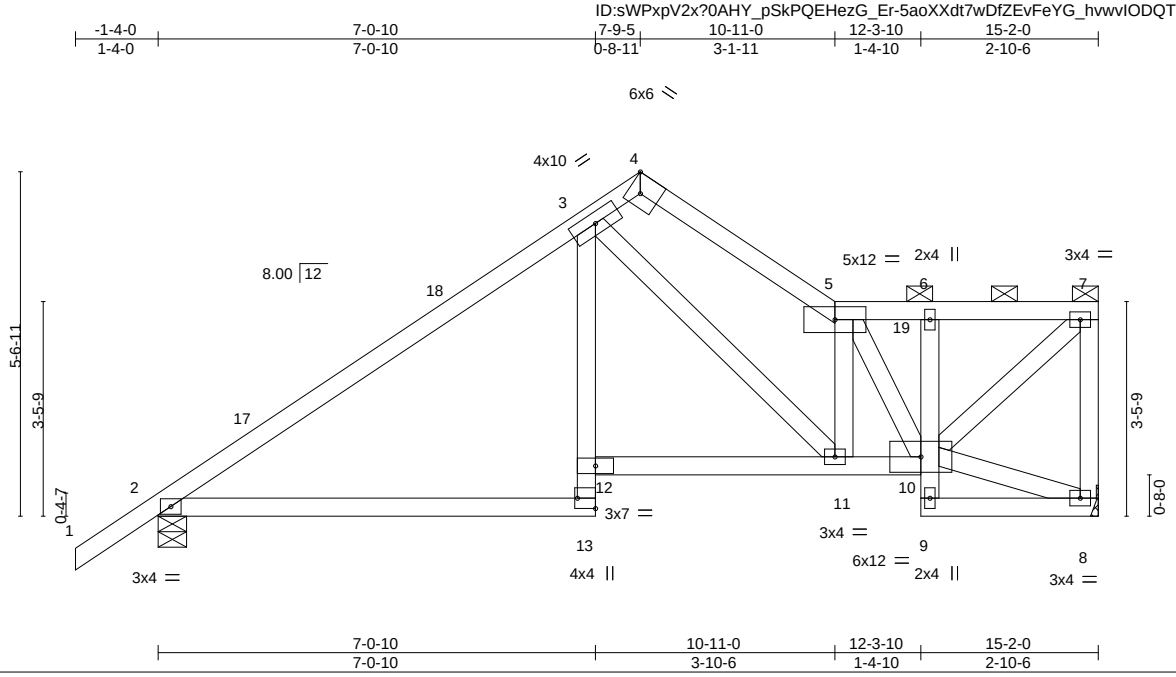

Plate Offsets (X,Y)-- [4:Edge,0-3-8], [13:Edge,0-3-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.09	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.19	11-12	>964	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.08	11-12	>999	240	Weight: 90 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=Mechanical, 2=0-5-8
Max Horz 2=129(LC 12)
Max Uplift 8=-43(LC 12), 2=-72(LC 12)
Max Grav 8=597(LC 1), 2=684(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-748/97, 3-4=-466/119, 4-5=-706/121, 5-6=-535/78, 6-7=-515/75, 7-8=-559/94
BOT CHORD 2-13=-92/528, 11-12=-80/503, 10-11=-74/619, 6-10=-301/78
WEBS 7-10=-104/706

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-9-5, Exterior(2E) 7-9-5 to 10-11-0, Interior(1) 10-11-0 to 15-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	D6	Roof Special	1	1	T22707790
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:50 2021 Page 1
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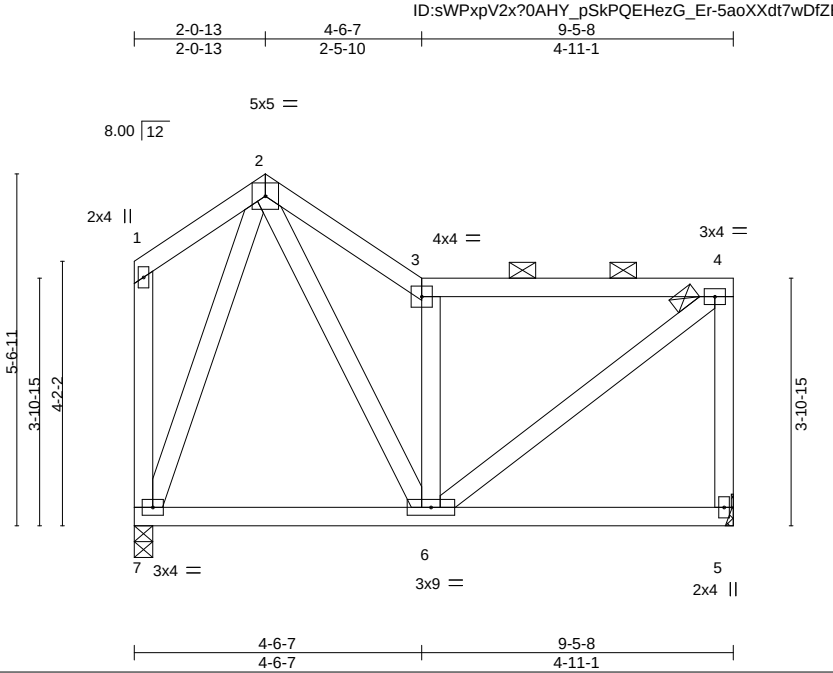

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.01	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.02	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.00	6	>999	240	Weight: 69 lb	FT = 15%

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

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

REACTIONS. (size) 5=Mechanical, 7=0-3-8
Max Horz 7=29(LC 11)
Max Uplift 5=-41(LC 9), 7=-26(LC 12)
Max Grav 5=367(LC 1), 7=367(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-376/126, 3-4=-254/50, 4-5=-322/108
WEBS 2-6=-101/378, 3-6=-417/191, 4-6=-54/290, 2-7=-281/82

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-6-7, Interior(1) 4-6-7 to 9-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 7.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	D7	Roof Special	1	1	T22707791
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:51 2021 Page 1
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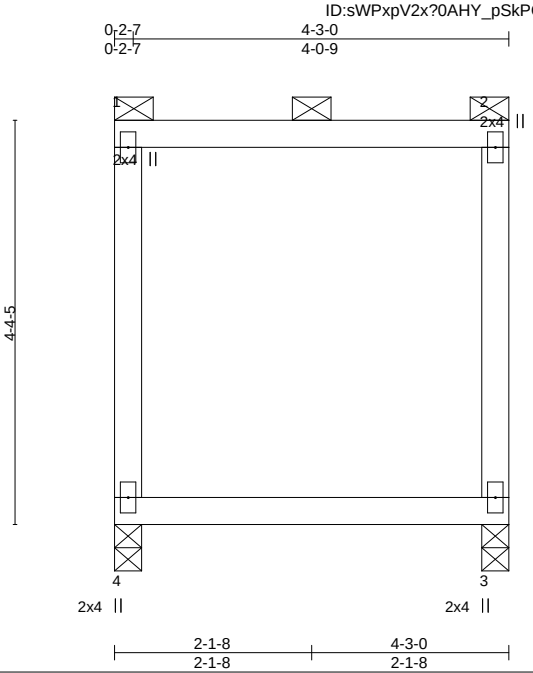

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.03	3-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.04	3-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.00	3-4	>999	240	Weight: 24 lb	FT = 15%

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

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 3=0-3-8, 4=0-3-8
Max Uplift 3=-27(LC 8), 4=-27(LC 8)
Max Grav 3=199(LC 17), 4=199(LC 17)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

February 3,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	DET	Roof Special Structural Gable	1	1	T22707792
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:52 2021 Page 1
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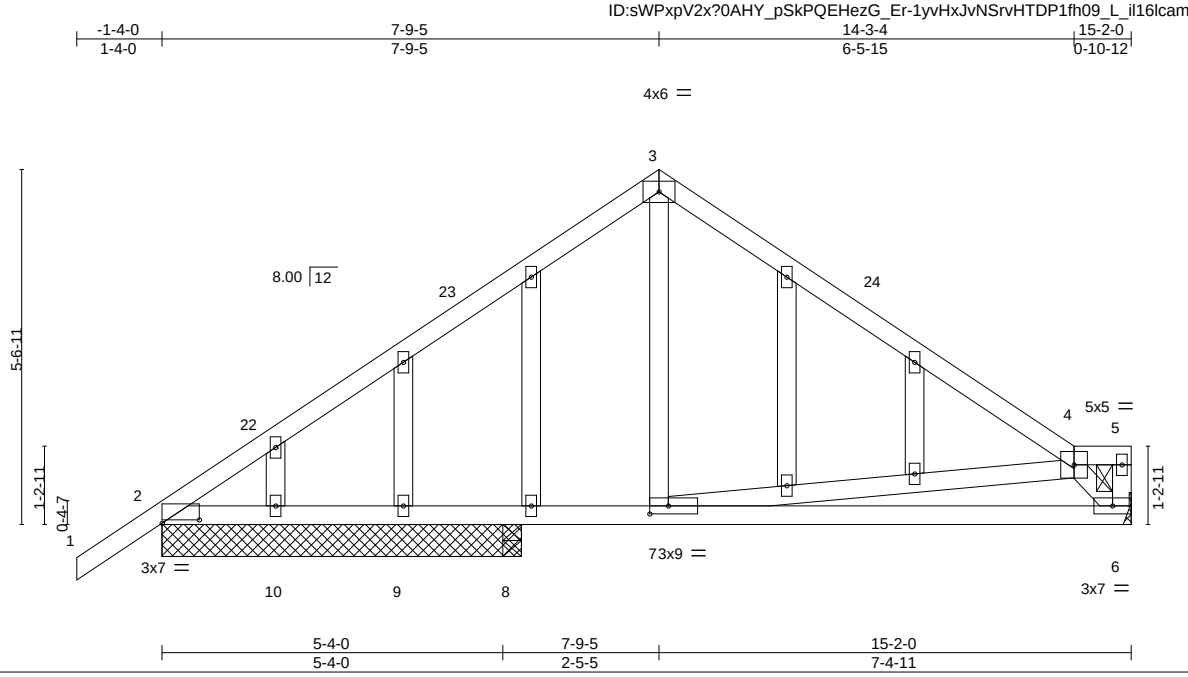

Plate Offsets (X,Y)-- [2:0-7-0,0-0-10], [7:0-3-8,0-1-8]

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	0.47	Vert(LL)	-0.06	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.13	6-7	>849	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.01	6-7	>999	240	Weight: 90 lb	FT = 15%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 5-7-8 except (jt=length) 6=Mechanical, 8=0-3-8.
(lb) - Max Horz 2=108(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 9, 8 except 2=418(LC 1), 6=554(LC 1), 10=322(LC 21), 2=418(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-624/100, 3-4=-596/101
BOT CHORD 2-10=0/411, 9-10=0/411, 8-9=0/411, 7-8=0/411, 6-7=-121/561
WEBS 3-7=0/269, 4-6=-783/287

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-9-5, Exterior(2R) 7-9-5 to 10-9-5, Interior(1) 10-9-5 to 15-0-4 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 9, 10, 8, 2.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	EET	Common Supported Gable	1	1	T22707793
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:53 2021 Page 1
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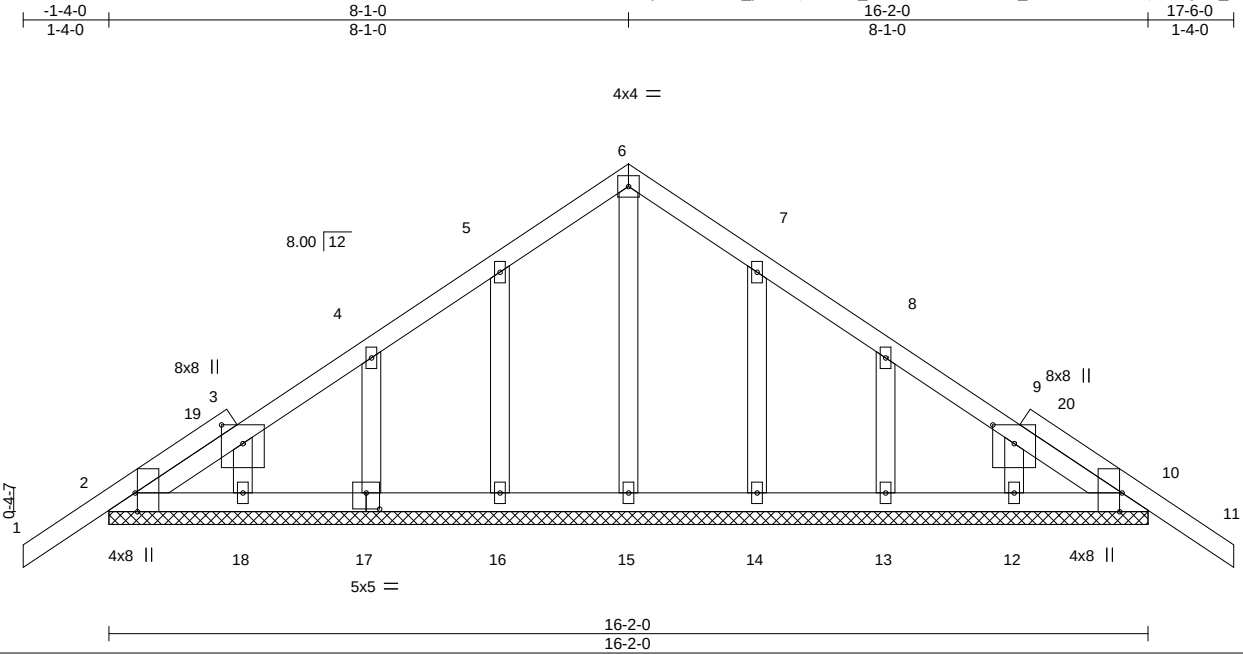

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-3-8,0-4-0], [9:0-3-8,0-4-0], [10:0-3-8,Edge], [17:0-2-8,0-3-0]

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	0.12	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 90 lb	FT = 15%

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

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

REACTIONS. All bearings 16-2-0.
(lb) - Max Horz 2=-118(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16, 17, 18, 14, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 8-1-0, Corner(3R) 8-1-0 to 11-1-0, Exterior(2N) 11-1-0 to 17-6-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 16, 17, 18, 14, 13, 12.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	EJ7	Jack-Open	4	1	T22707794
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:54 2021 Page 1
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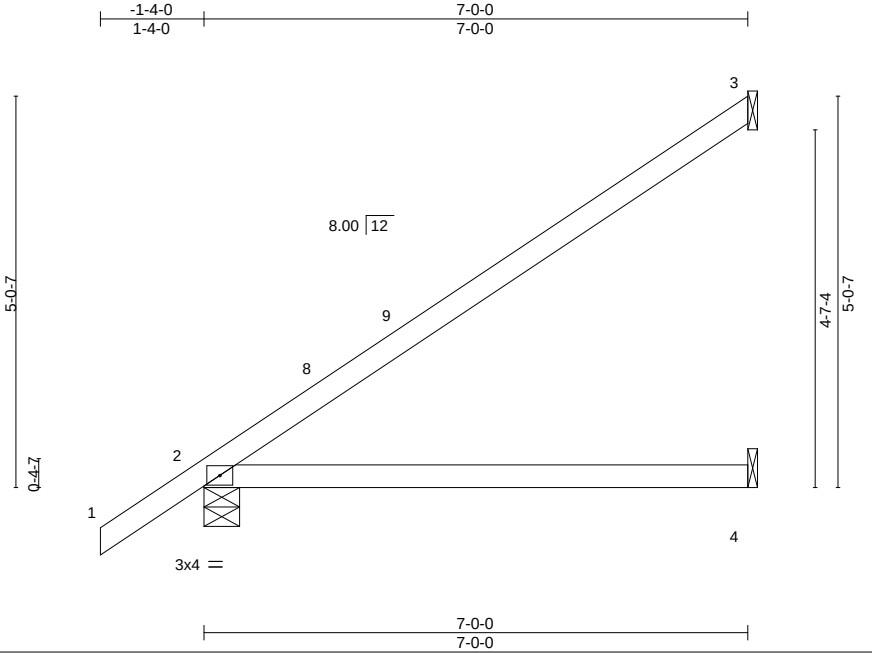

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.09	4-7	>936	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.22	4-7	>386	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.10	4-7	>868	240	Weight: 26 lb	FT = 15%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=172(LC 12)
Max Uplift 3=-80(LC 12), 2=-20(LC 12)
Max Grav 3=190(LC 17), 2=365(LC 1), 4=126(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 6-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	EJ7GT	Jack-Open Girder	1	1	T22707795
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:55 2021 Page 1
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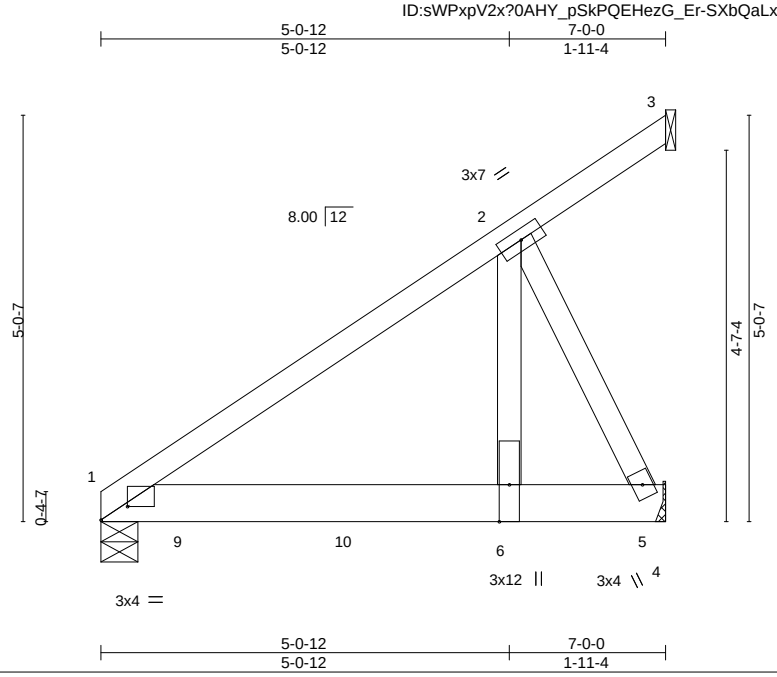

Plate Offsets (X,Y)-- [1:0-3-15,0-2-0]

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	0.28	Vert(LL)	-0.03	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.06	6-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.38	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP		Wind(LL)	0.02	6-8	>999	240	Weight: 39 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-5-8, 3=Mechanical, 5=Mechanical
Max Horz 1=133(LC 8)
Max Uplift 3=-8(LC 21), 5=-218(LC 8)
Max Grav 1=783(LC 1), 3=6(LC 13), 5=1319(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-915/49
BOT CHORD 1-6=-106/722, 5-6=-106/722
WEBS 2-6=-161/1587, 2-5=-1548/228

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 5=218.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1271 lb down and 263 lb up at 5-0-12 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).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 1-4=-20
Concentrated Loads (lb)
Vert: 6=-1271(F) 9=-99 10=-179

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Date:

February 3,2021

MiTek
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	F	ATTIC	2	1	T22707796
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:56 2021 Page 1
ID:sWPxpV2x?0AHY_pSkPQEHezG_Er-wk9ongyuV3PjyqiouW558B9I4eOyYOjmAyTECFzov6X

-1-4-0 | 6-3-0 | 8-1-8 | 11-5-0 | 14-8-8 | 16-7-0 | 22-10-0 | 24-2-0
1-4-0 | 6-3-0 | 1-10-8 | 3-3-8 | 3-3-8 | 1-10-8 | 6-3-0 | 1-4-0

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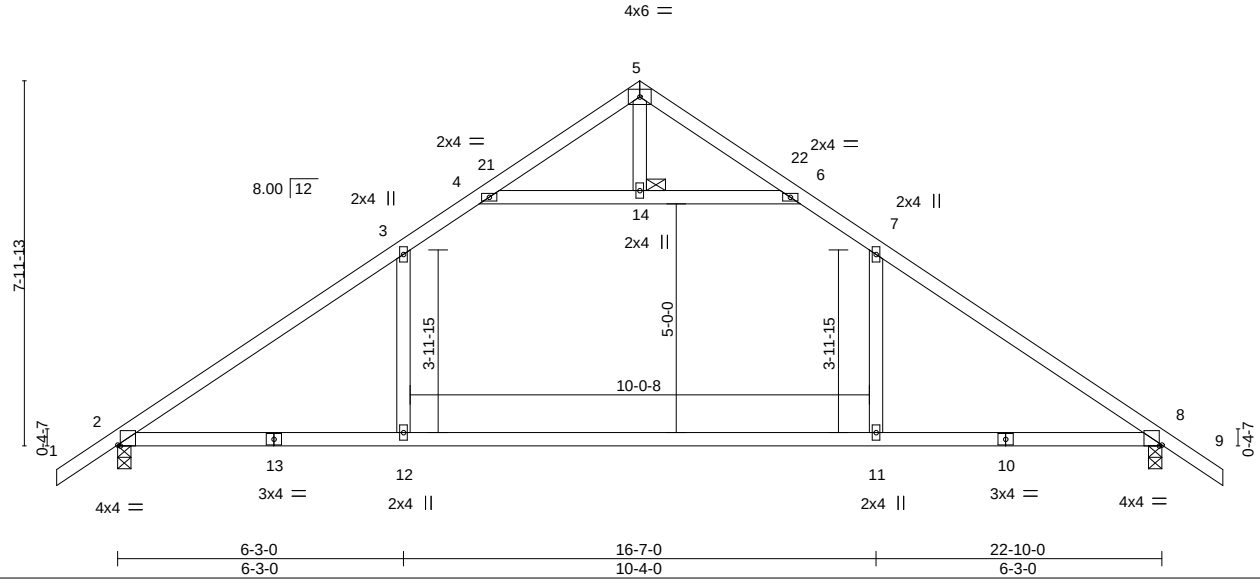

Plate Offsets (X,Y)-- [2:0-0-11,Edge], [8:0-0-11,Edge]

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	0.83	Vert(LL)	-0.54	11-12	>507	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.99	11-12	>277	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	-0.31	12-17	>894	240	Weight: 105 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 14

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-170(LC 10)
Max Uplift 2=-35(LC 12), 8=-35(LC 12)
Max Grav 2=1156(LC 18), 8=1156(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1678/0, 3-4=-1230/73, 6-7=-1230/73, 7-8=-1678/0
BOT CHORD 2-12=0/1311, 11-12=0/1311, 8-11=0/1311
WEBS 4-14=-1361/53, 6-14=-1361/53, 3-12=0/532, 7-11=0/532

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-5-0, Exterior(2R) 11-5-0 to 14-5-0, Interior(1) 14-5-0 to 24-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-14, 6-14
7) Bottom chord live load (20.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-12
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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Julius Lee PE No. 34869
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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T22707797
ZEDICKS	F1	ATTIC	13	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:57 2021 Page 1
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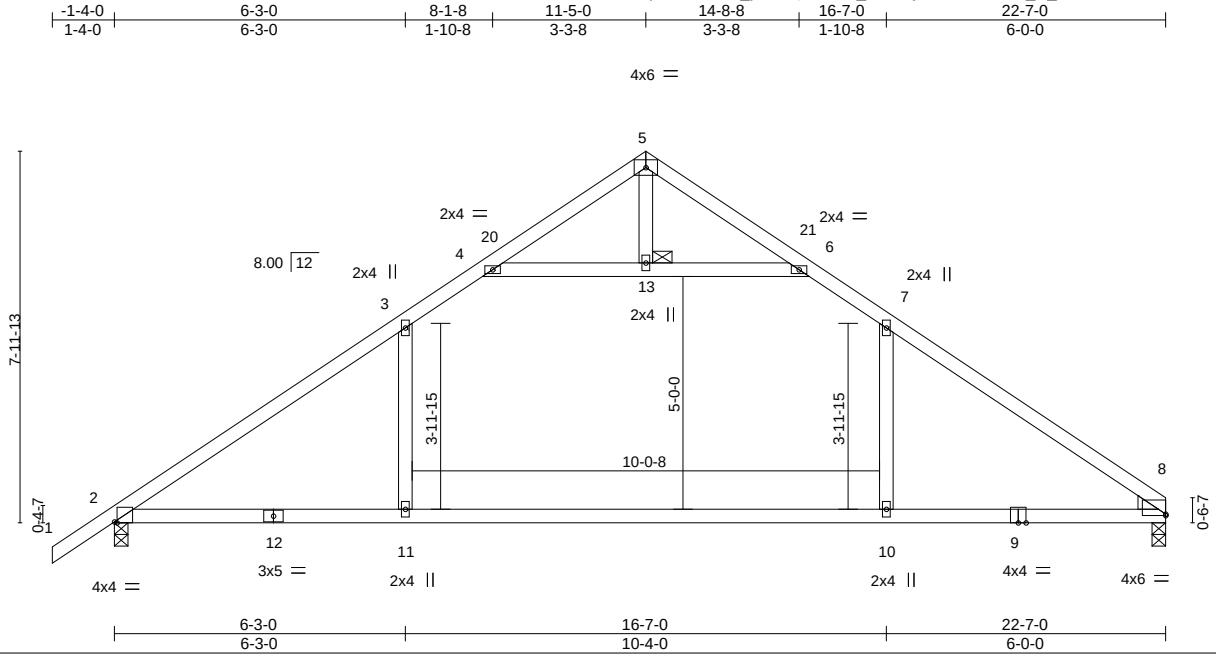

Plate Offsets (X,Y)-- [2:0-0-11,Edge], [8:0-0-0,0-0-6]

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	0.82	Vert(LL)	-0.55	10-11	>493	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.99	10-11	>274	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	-0.32	11-16	>859	240	Weight: 103 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
9-12: 2x4 SP SS
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 13

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=163(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1146(LC 18), 8=1075(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1647/0, 3-4=-1205/75, 6-7=-1209/77, 7-8=-1653/0
BOT CHORD 2-11=0/1272, 10-11=0/1272, 8-10=0/1272
WEBS 4-13=-1319/62, 6-13=-1319/62, 3-11=0/523, 7-10=0/526

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-5-0, Exterior(2R) 11-5-0 to 14-5-0, Interior(1) 14-5-0 to 22-7-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-13, 6-13
7) Bottom chord live load (20.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 10-11
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	F1ET	GABLE	1	1	T22707798
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Dec 17 2020 MiTek Industries, Inc. Wed Feb 3 17:10:56 2021 Page 1

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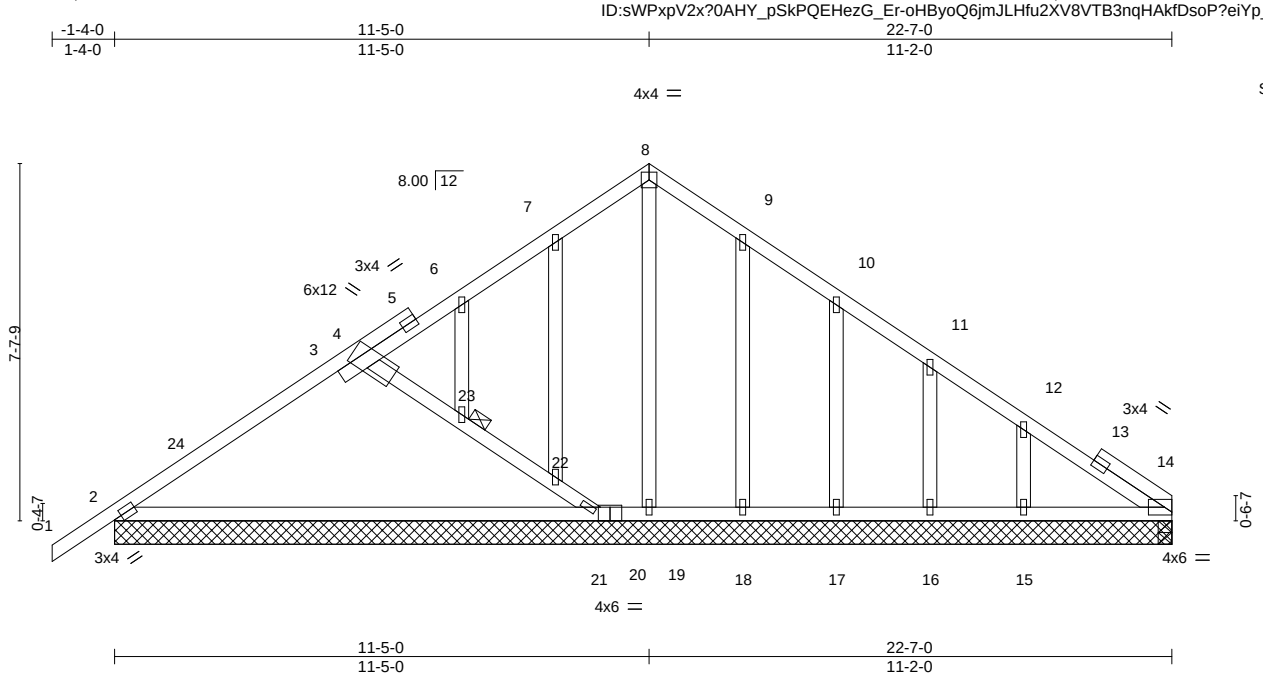

Plate Offsets (X,Y)-- [2:0-2-0,0-1-8]

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	0.30	Vert(LL)	-0.25	2-21	>493	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.51	2-21	>245	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.00	21	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S		Wind(LL)	-0.01	2-21	>999	240	Weight: 135 lb	FT = 15%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 2-2-0 oc bracing: 2-21.
JOINTS	1 Brace at Jt(s): 23

REACTIONS. All bearings 22-7-0.

(lb) - Max Horz 2=158(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 14, 2, 18, 17, 16, 15 except 19=-392(LC 3)

Max Grav All reactions 250 lb or less at joint(s) 14, 14, 19, 18, 17, 16, 15 except 2=431(LC 1), 21=826(LC 3)

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

TOP CHORD	2-24=-323/66
BOT CHORD	2-21=-18/277
WEBS	4-23=-376/210, 22-23=-356/203, 21-22=-431/251

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 11-5-0, Corner(3R) 11-5-0 to 14-5-0, Exterior(2N) 14-5-0 to 22-5-4 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
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) 14, 2, 18, 17, 16, 15 except (jt=lb) 19=392.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	FET	GABLE	1	1	T22707799
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:31:59 2021 Page 1
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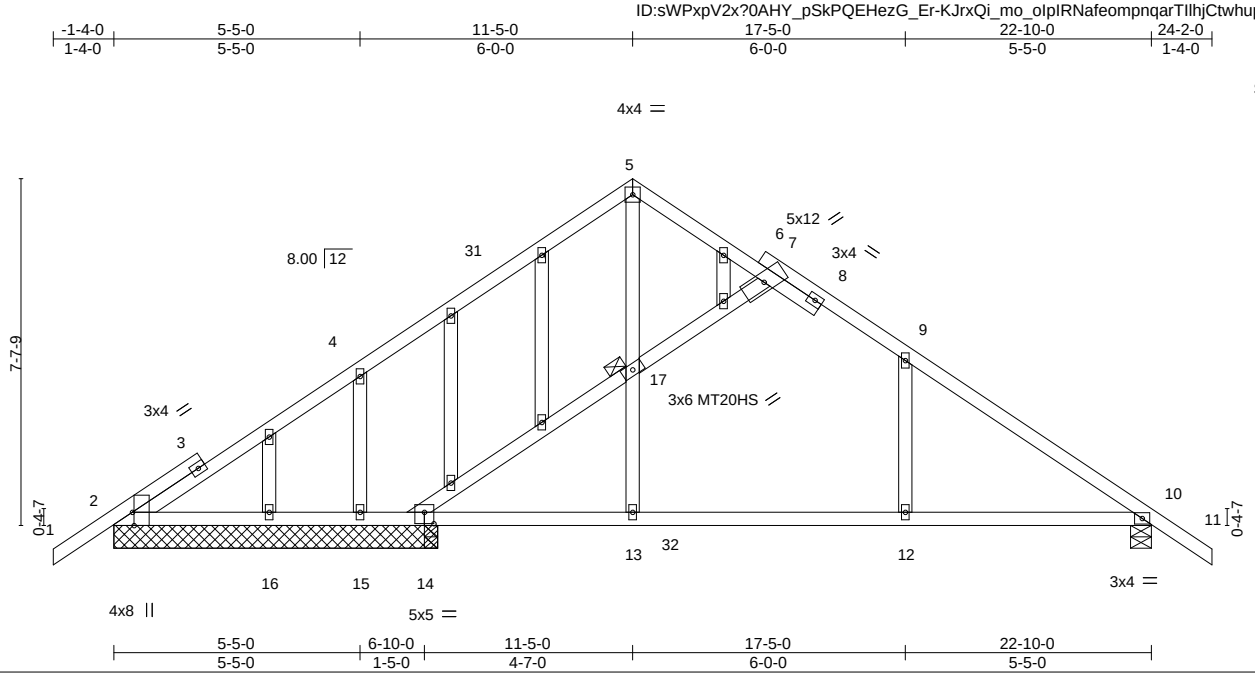

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [14:0-2-8,0-3-0]

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	0.82	Vert(LL)	-0.20	12	>951	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.36	12-30	>529	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.14	12-30	>999	240	Weight: 135 lb	FT = 15%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
JOINTS	1 Brace at Jt(s): 17

REACTIONS. All bearings 7-1-8 except (jt=length) 10=0-5-8.
(lb) - Max Horz 2=-163(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 14, 10 except 15=-177(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 16 except 2=374(LC 17), 14=418(LC 18), 14=322(LC 1), 15=445(LC 17), 10=894(LC 18), 2=354(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-342/0, 4-5=-418/25, 5-7=-455/58, 7-9=-745/85, 9-10=-1001/18
BOT CHORD 2-16=-2/341, 15-16=-2/341, 14-15=-2/341, 13-14=0/758, 12-13=0/757, 10-12=0/757
WEBS 13-17=0/345, 5-17=0/344, 7-17=-675/127, 9-12=0/264, 14-17=-674/123, 4-15=-412/181

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-5-0, Exterior(2R) 11-5-0 to 14-5-10, Interior(1) 14-5-10 to 24-2-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 10 except (jt=lb) 15=177.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	G	Common	4	1	T22707800
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:00 2021 Page 1
ID:sWPxpV2x?0AHY_pSkPQEHezG_Er-oVOJd2?OZIw9RS0Z7M91J1J8kFvAUEdL5aRSL0zov6T

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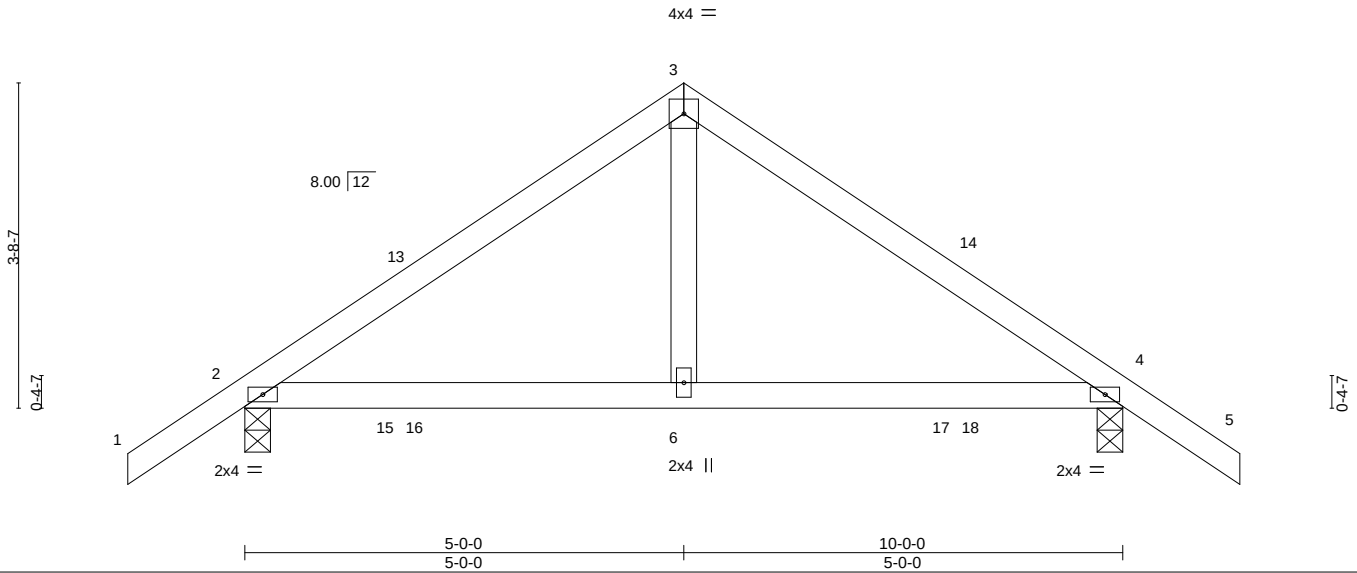

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.02	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.03	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.03	6-9	>999	240	Weight: 43 lb	FT = 15%

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

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-84(LC 10)
Max Uplift 2=-166(LC 12), 4=-166(LC 12)
Max Grav 2=480(LC 1), 4=480(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-467/234, 3-4=-467/234
BOT CHORD 2-6=-75/331, 4-6=-75/331

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 5-0-0, Exterior(2R) 5-0-0 to 8-0-0, Interior(1) 8-0-0 to 11-4-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=166, 4=166.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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February 3,2021

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	GGT	Common Girder	1	1	T22707801
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:01 2021 Page 1
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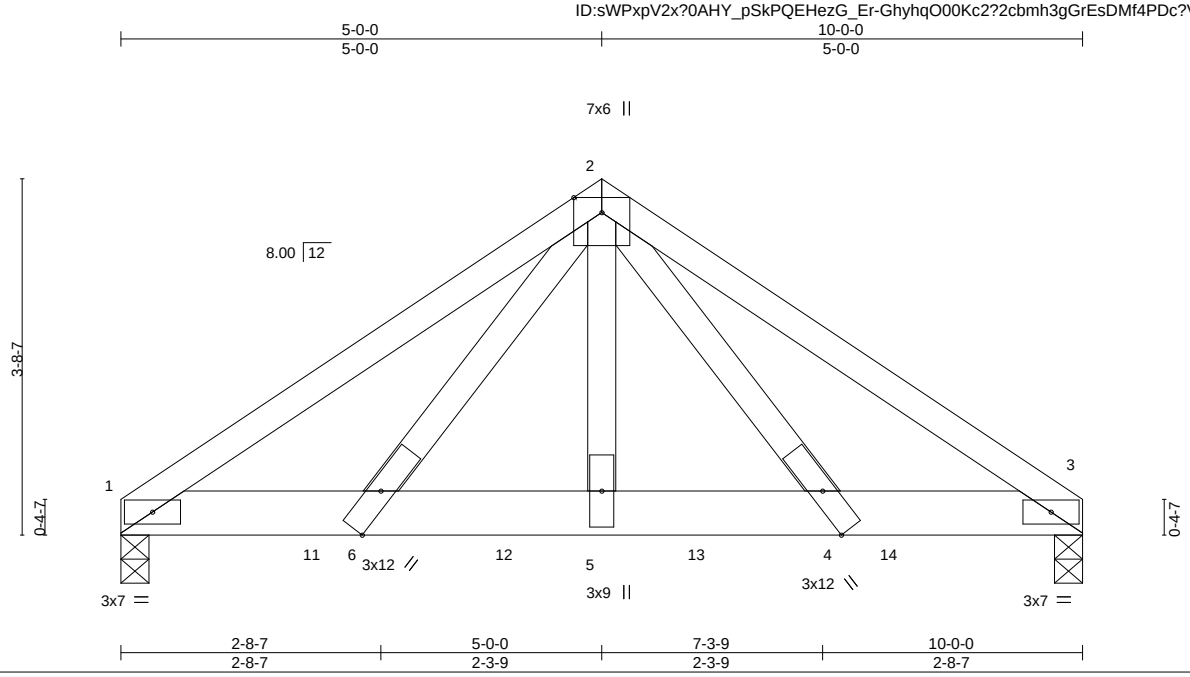

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.05	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.10	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.03	3	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS		Wind(LL)	0.05	4-5	>999	240	Weight: 57 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 3=0-3-8
Max Horz 1=67(LC 7)
Max Uplift 1=-587(LC 8), 3=-601(LC 8)
Max Grav 1=2216(LC 2), 3=2264(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3519/982, 2-3=-3544/990
BOT CHORD 1-6=-752/2895, 5-6=-536/2143, 4-5=-536/2143, 3-4=-758/2916
WEBS 2-5=-420/1592, 2-4=-371/1300, 2-6=-360/1265

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=587, 3=601.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 945 lb down and 293 lb up at 2-0-12, 945 lb down and 293 lb up at 4-0-12, and 945 lb down and 293 lb up at 6-0-12, and 945 lb down and 293 lb up at 8-0-12 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).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 1-3=-20
Concentrated Loads (lb)
Vert: 11=-864(F) 12=-864(F) 13=-864(F) 14=-864(F)

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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	H	Common	6	1	T22707802
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:02 2021 Page 1
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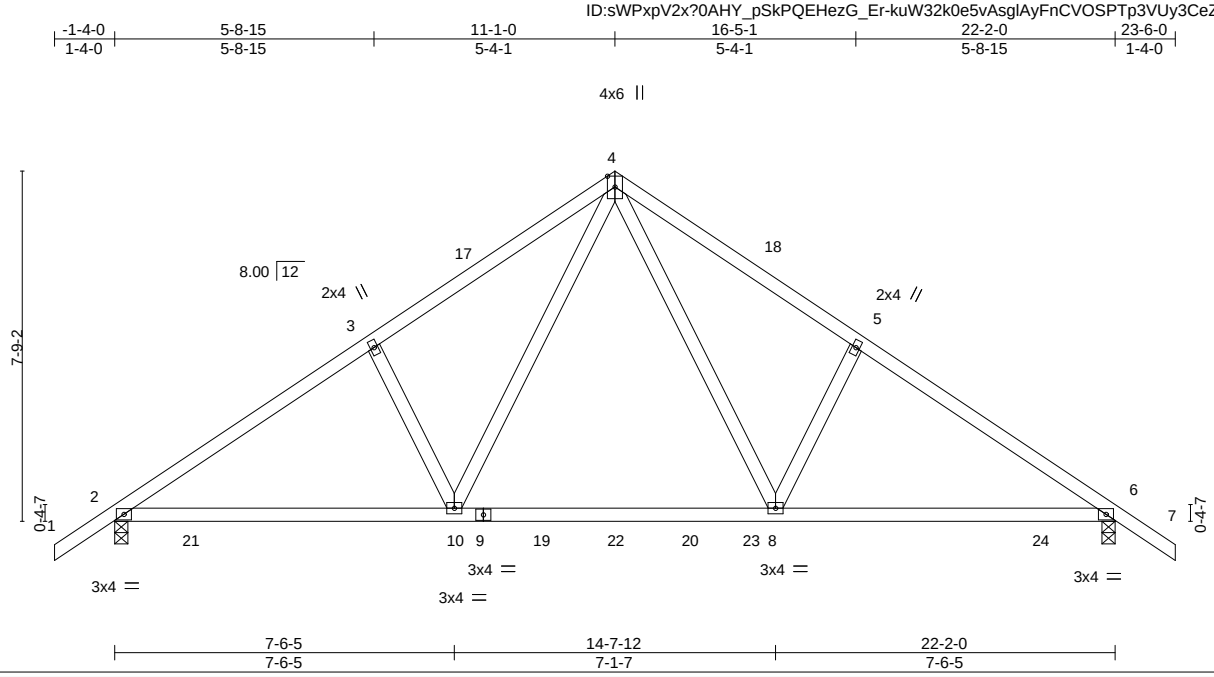

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.10	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.15	10-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.13	8-16	>999	240	Weight: 113 lb	FT = 15%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-165(LC 10)
Max Uplift 2=-317(LC 12), 6=-317(LC 12)
Max Grav 2=1034(LC 2), 6=1034(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1358/527, 3-4=-1263/585, 4-5=-1263/587, 5-6=-1358/529
BOT CHORD 2-10=-342/1097, 8-10=-142/727, 6-8=-339/1097
WEBS 4-8=-306/600, 5-8=-316/176, 4-10=-306/600, 3-10=-316/176

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-1-0, Exterior(2R) 11-1-0 to 14-1-0, Interior(1) 14-1-0 to 23-6-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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=317, 6=317.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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MiTek USA, Inc. FL Cert 6634
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Date:

February 3,2021

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	H1	Common	5	1	T22707803
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:03 2021 Page 1
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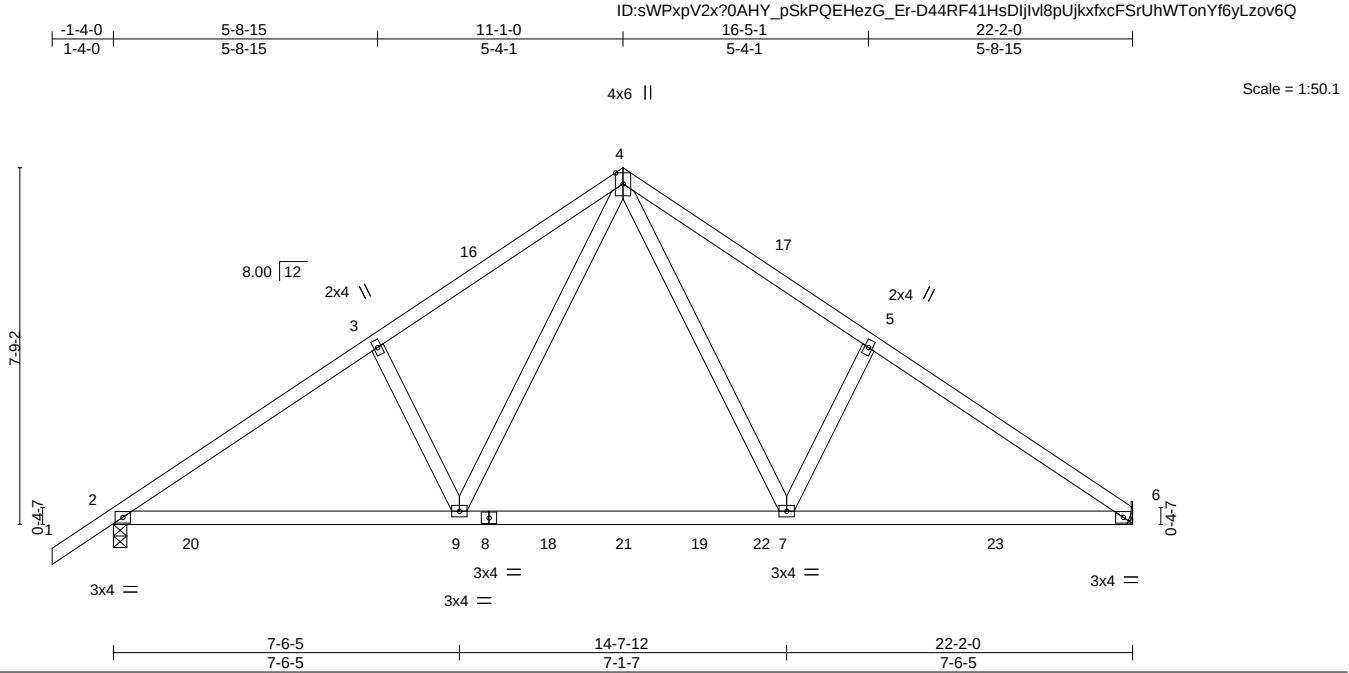

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.10	7-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.16	7-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.13	7-12	>999	240	Weight: 111 lb	FT = 15%

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

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

REACTIONS. (size) 6=Mechanical, 2=0-3-8
Max Horz 2=161(LC 11)
Max Uplift 6=-273(LC 12), 2=-319(LC 12)
Max Grav 6=965(LC 2), 2=1036(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1361/528, 3-4=-1267/586, 4-5=-1273/574, 5-6=-1367/516
BOT CHORD 2-9=-370/1100, 7-9=-172/730, 6-7=-365/1107
WEBS 4-7=-293/611, 5-7=-324/179, 4-9=-306/600, 3-9=-317/176

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-1-0, Exterior(2R) 11-1-0 to 14-1-0, Interior(1) 14-1-0 to 22-2-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=273, 2=319.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	H2	Common	1	1	T22707804
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:04 2021 Page 1
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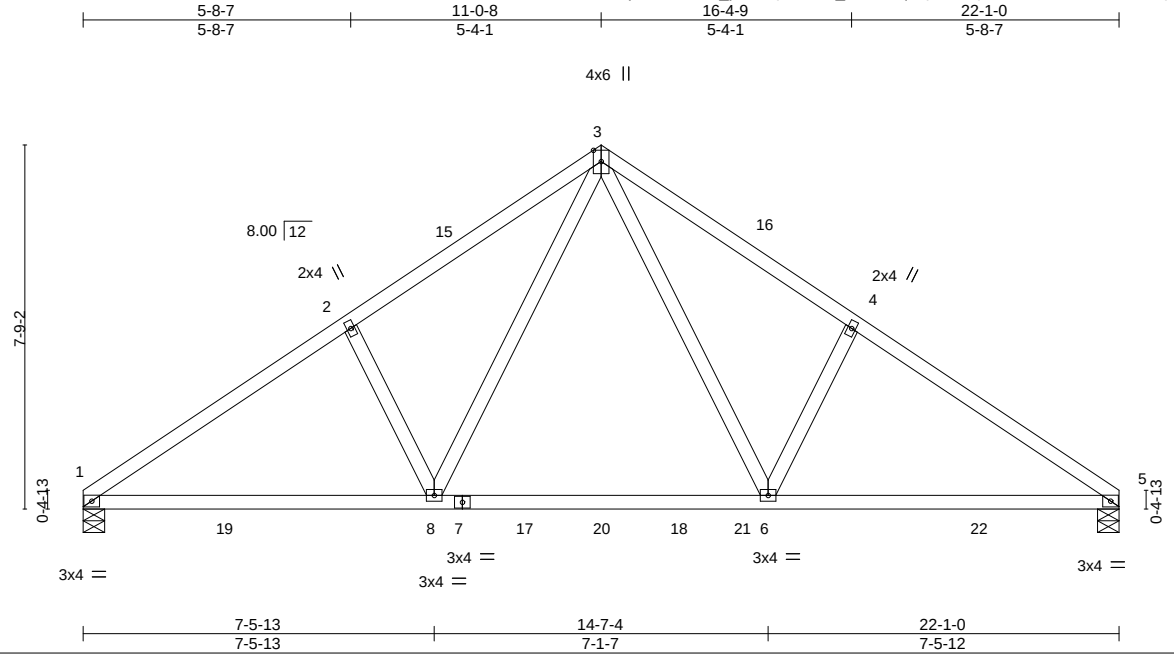

Plate Offsets (X,Y)-- [5:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.10	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.15	8-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.12	8-11	>999	240	Weight: 108 lb	FT = 15%

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

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

REACTIONS. (size) 1=0-5-8, 5=0-5-8
Max Horz 1=-147(LC 10)
Max Uplift 1=-274(LC 12), 5=-274(LC 12)
Max Grav 1=963(LC 2), 5=963(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1359/511, 2-3=-1265/568, 3-4=-1264/569, 4-5=-1359/512
BOT CHORD 1-8=-369/1098, 6-8=-171/727, 5-6=-361/1098
WEBS 3-6=-288/602, 4-6=-319/176, 3-8=-289/602, 2-8=-319/176

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-0-8, Exterior(2R) 11-0-8 to 14-0-8, Interior(1) 14-0-8 to 22-1-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 1=274, 5=274.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	HET	Common Supported Gable	1	1	T22707805
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:05 2021 Page 1
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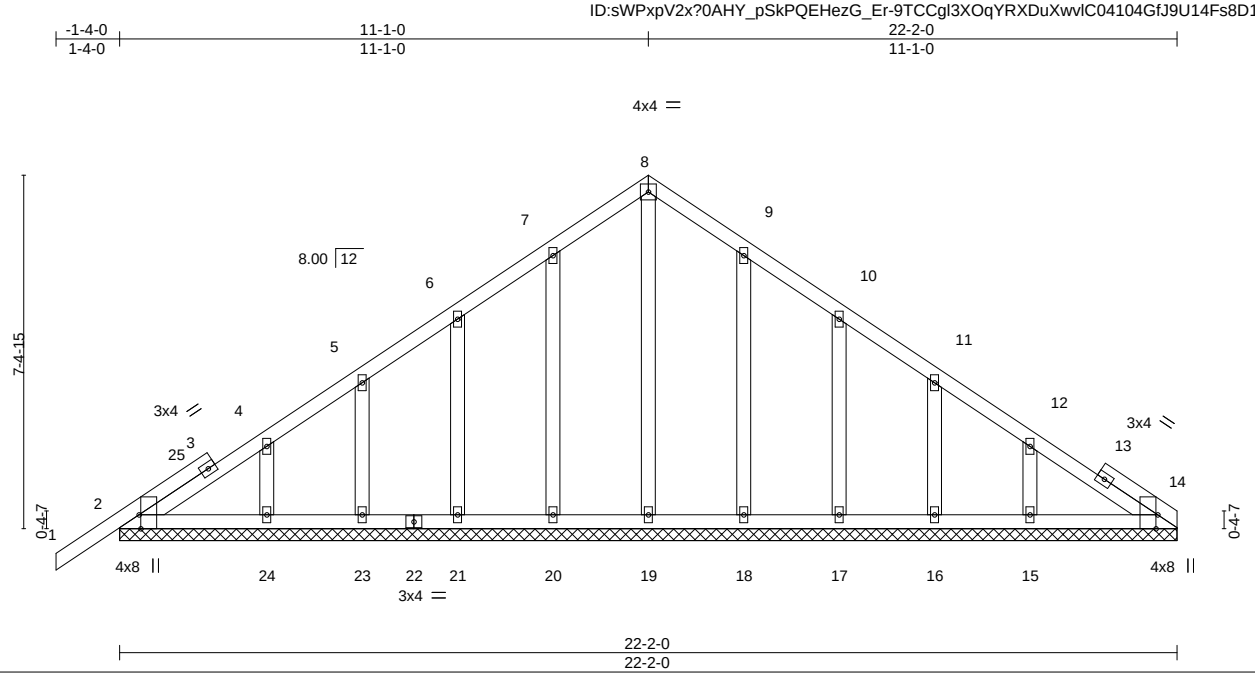

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [14:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 132 lb	FT = 15%

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

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

REACTIONS. All bearings 22-2-0.
(lb) - Max Horz 2=154(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 21, 23, 24, 18, 17, 16, 15
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 19, 20, 21, 23, 24, 18, 17, 16, 15

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 11-1-0, Corner(3R) 11-1-0 to 14-1-0, Exterior(2N) 14-1-0 to 22-2-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
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, 20, 21, 23, 24, 18, 17, 16, 15.

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Date:

February 3,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	J01	Jack-Open	6	1	T22707806
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:06 2021 Page 1
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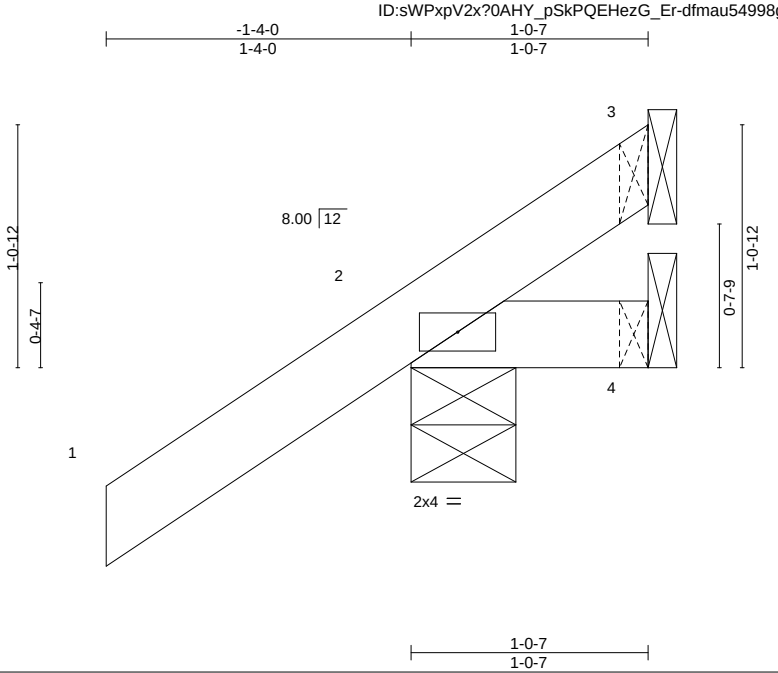

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP		Wind(LL)	-0.00	7	>999	240	Weight: 6 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=58(LC 12)
Max Uplift 3=-2(LC 9), 2=-79(LC 12), 4=-13(LC 1)
Max Grav 3=9(LC 8), 2=173(LC 1), 4=24(LC 12)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	J03	Jack-Open	4	1	T22707807
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:07 2021 Page 1
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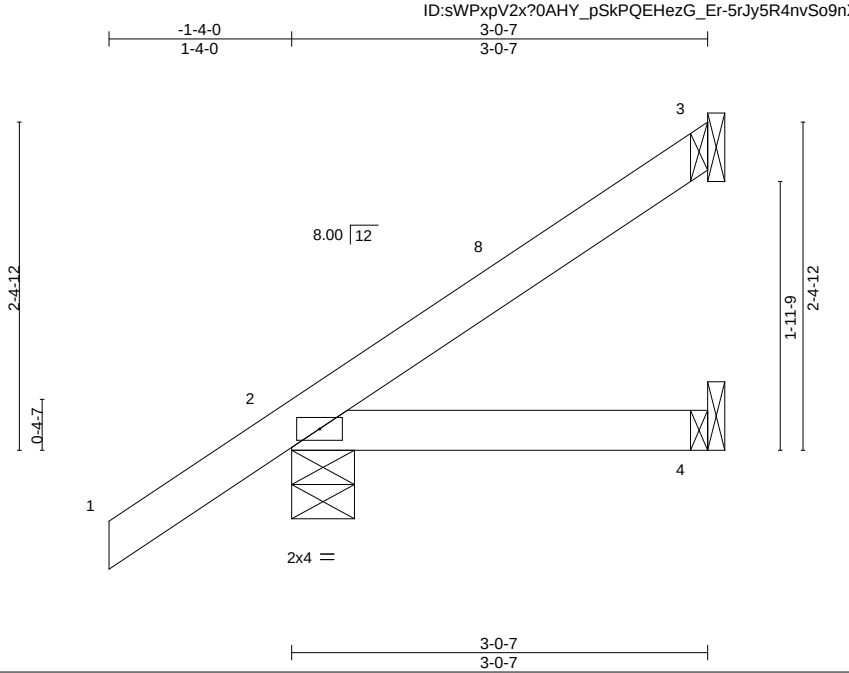

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.00	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP		Wind(LL)	-0.00	4-7	>999	240	Weight: 13 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=96(LC 12)
Max Uplift 3=-27(LC 12), 2=-44(LC 12)
Max Grav 3=71(LC 17), 2=217(LC 1), 4=53(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 2-11-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	J03A	Jack-Open	2	1	T22707808
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:07 2021 Page 1
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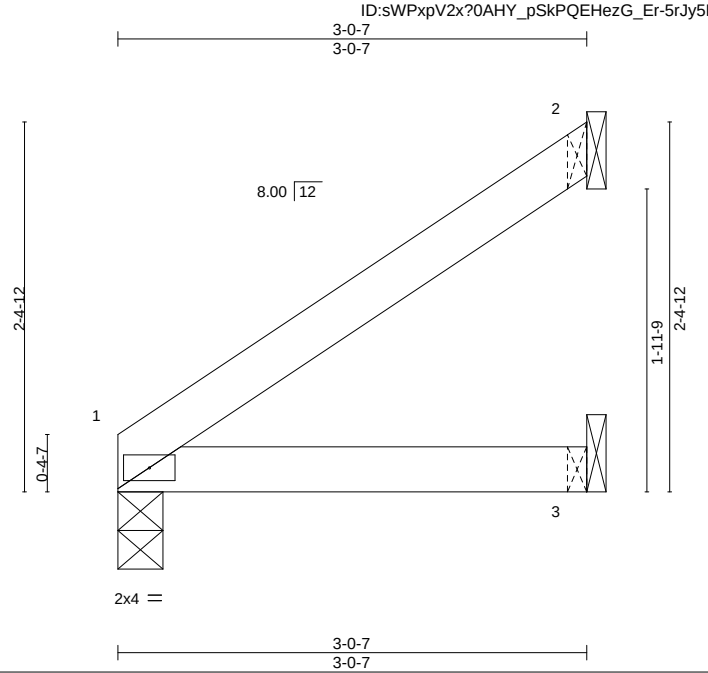

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	3-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	3-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP		Wind(LL)	0.01	3-6	>999	240	Weight: 10 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 1=57(LC 12)
Max Uplift 2=-34(LC 12)
Max Grav 1=119(LC 1), 2=79(LC 17), 3=56(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	J05	Jack-Open	4	1	T22707809
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:08 2021 Page 1
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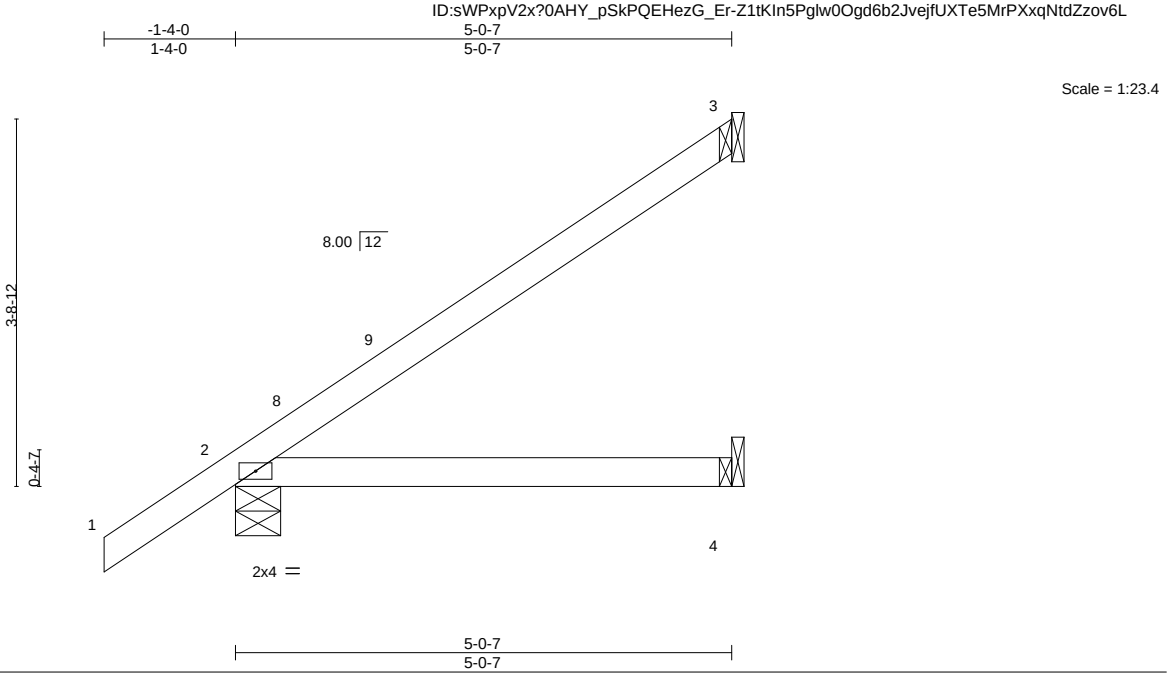

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.02	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.06	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.03	4-7	>999	240	Weight: 19 lb	FT = 15%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=134(LC 12)
Max Uplift 3=-54(LC 12), 2=-30(LC 12)
Max Grav 3=132(LC 17), 2=290(LC 1), 4=90(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 4-11-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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February 3,2021

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	J05A	JACK-OPEN	2	1	T22707810
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:13 2021 Page 1
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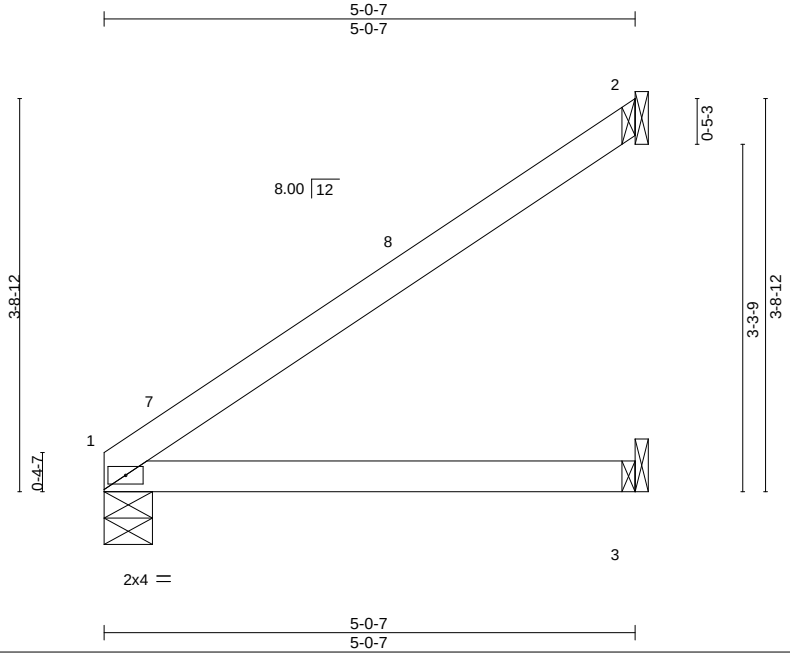

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.03	3-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.06	3-6	>947	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.04	3-6	>999	240	Weight: 17 lb	FT = 15%

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

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

REACTIONS. (size) 1=0-5-8, 2=Mechanical, 3=Mechanical
Max Horz 1=96(LC 12)
Max Uplift 2=-59(LC 12)
Max Grav 1=199(LC 1), 2=137(LC 17), 3=92(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-11-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K1	Half Hip Girder	1	1	T22707811
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:18 2021 Page 1
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-1-4-0	7-0-0	12-9-10	18-6-0	24-4-0
1-4-0	7-0-0	5-9-10	5-8-5	5-10-0

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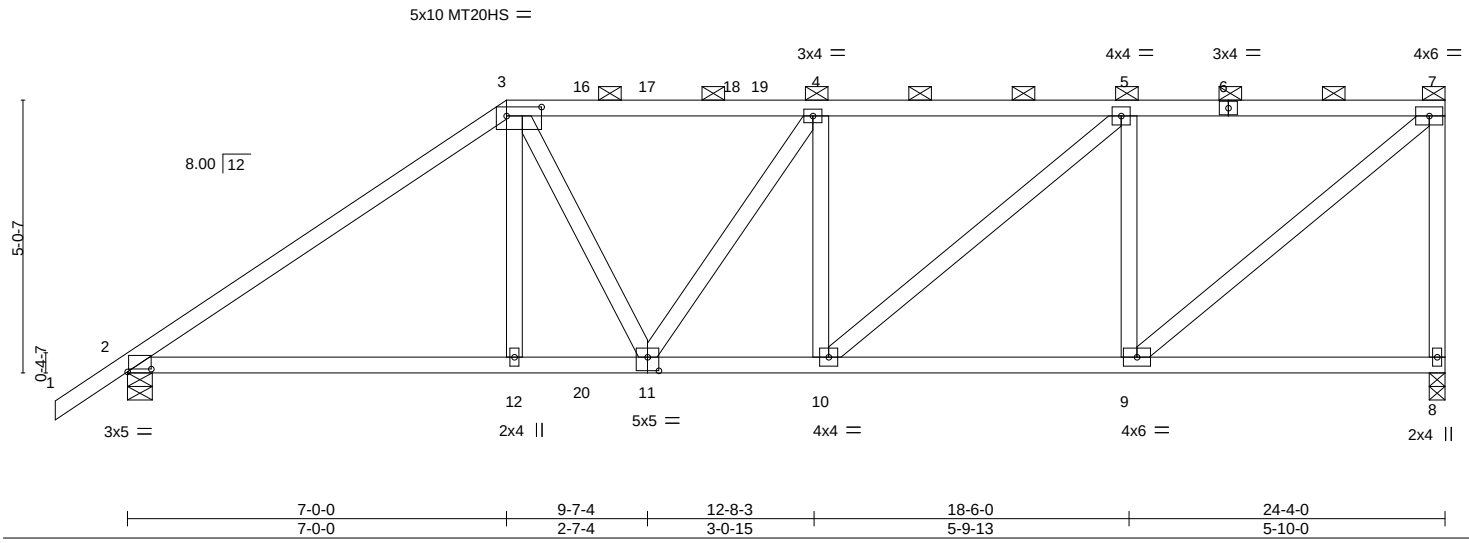

7-0-0	9-7-4	12-8-3	18-6-0	24-4-0
7-0-0	2-7-4	3-0-15	5-9-13	5-10-0

Plate Offsets (X,Y)-- [2:0-5-4,0-0-10], [3:0-7-12,0-2-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.12	11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.23	10-11	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Wind(LL)	0.10	10-11	>999	240	Weight: 140 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP SS *Except*
3-6: 2x4 SP No.1, 6-7: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-7-4 max.): 3-7.
BOT CHORD Rigid ceiling directly applied or 7-8-15 oc bracing.

REACTIONS. (size) 8=0-3-8, 2=0-5-8
Max Horz 2=174(LC 8)
Max Uplift 8=-305(LC 5), 2=-400(LC 8)
Max Grav 8=1742(LC 1), 2=2432(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3830/650, 3-4=-3520/621, 4-5=-3129/554, 5-7=-1863/326, 7-8=-1689/332
BOT CHORD 2-12=-570/3089, 11-12=-571/3111, 10-11=-554/3129, 9-10=-326/1863
WEBS 3-12=-43/720, 3-11=-116/850, 4-11=-332/700, 4-10=-953/257, 5-10=-317/1648, 5-9=-1417/348, 7-9=-421/2401

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=305, 2=400.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 171 lb down and 182 lb up at 7-0-0, and 139 lb down and 101 lb up at 8-4-12, and 40 lb down and 30 lb up at 9-7-4 on top chord, and 532 lb down and 135 lb up at 7-0-0, and 86 lb down at 8-4-12, and 1299 lb down and 238 lb up at 9-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-7=-60, 8-13=-20

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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-158(F) 11=-1299(F) 12=-532(F) 16=-127(F) 17=21(F) 20=-63(F)

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K2	Half Hip	1	1	T22707812
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:21 2021 Page 1
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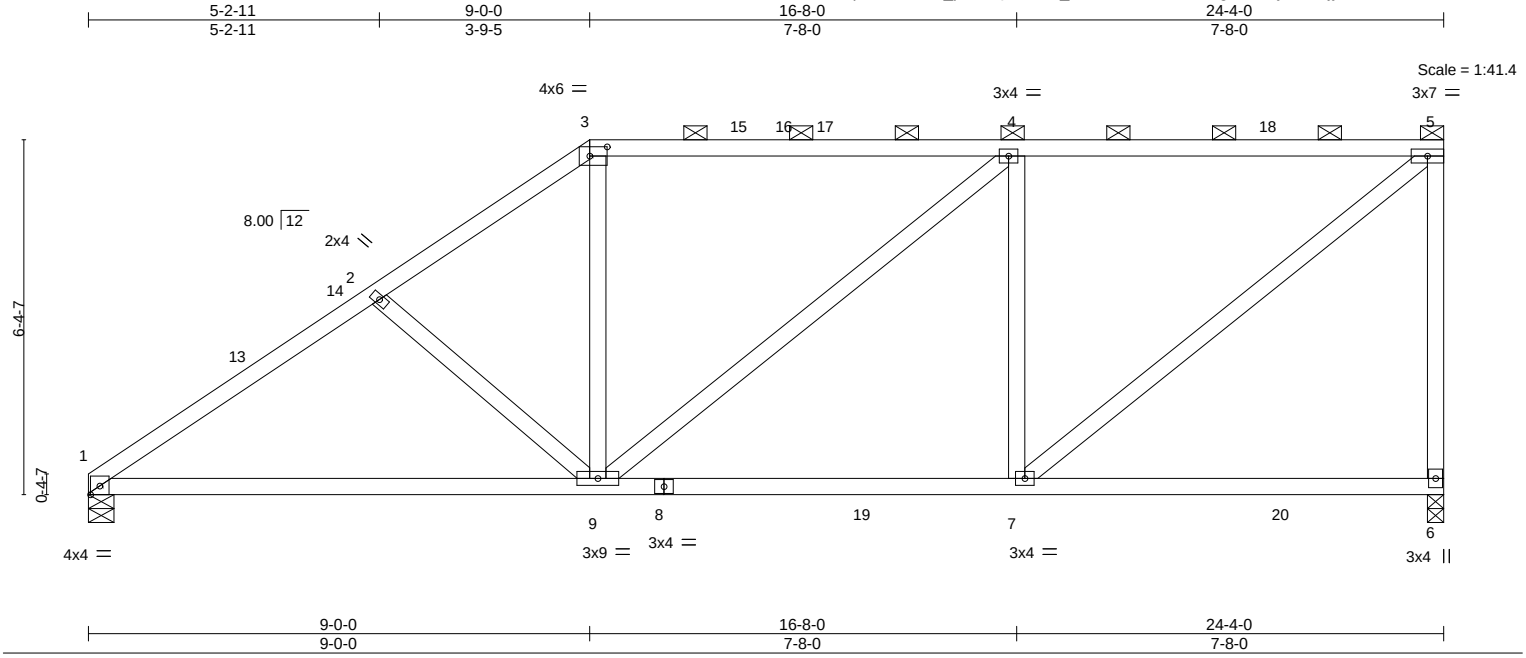

Plate Offsets (X,Y)-- [3:0-3-12,0-2-0]

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	0.74	Vert(LL)	-0.14	9-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.31	9-12	>950	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.05	9-12	>999	240	Weight: 136 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-11-13 max.): 3-5.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-5-8, 6=0-3-8
Max Horz 1=174(LC 12)
Max Uplift 1=-37(LC 12), 6=-135(LC 9)
Max Grav 1=1099(LC 17), 6=1118(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1546/96, 2-3=-1351/94, 3-4=-1093/104, 4-5=-1024/117, 5-6=-964/173
BOT CHORD 1-9=-185/1302, 7-9=-117/1024
WEBS 2-9=-290/105, 3-9=0/447, 4-7=-555/187, 5-7=-144/1272

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 24-2-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 6=135.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been electronically signed and sealed by Lee, Julius, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K3	Roof Special	1	1	T22707813
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:23 2021 Page 1
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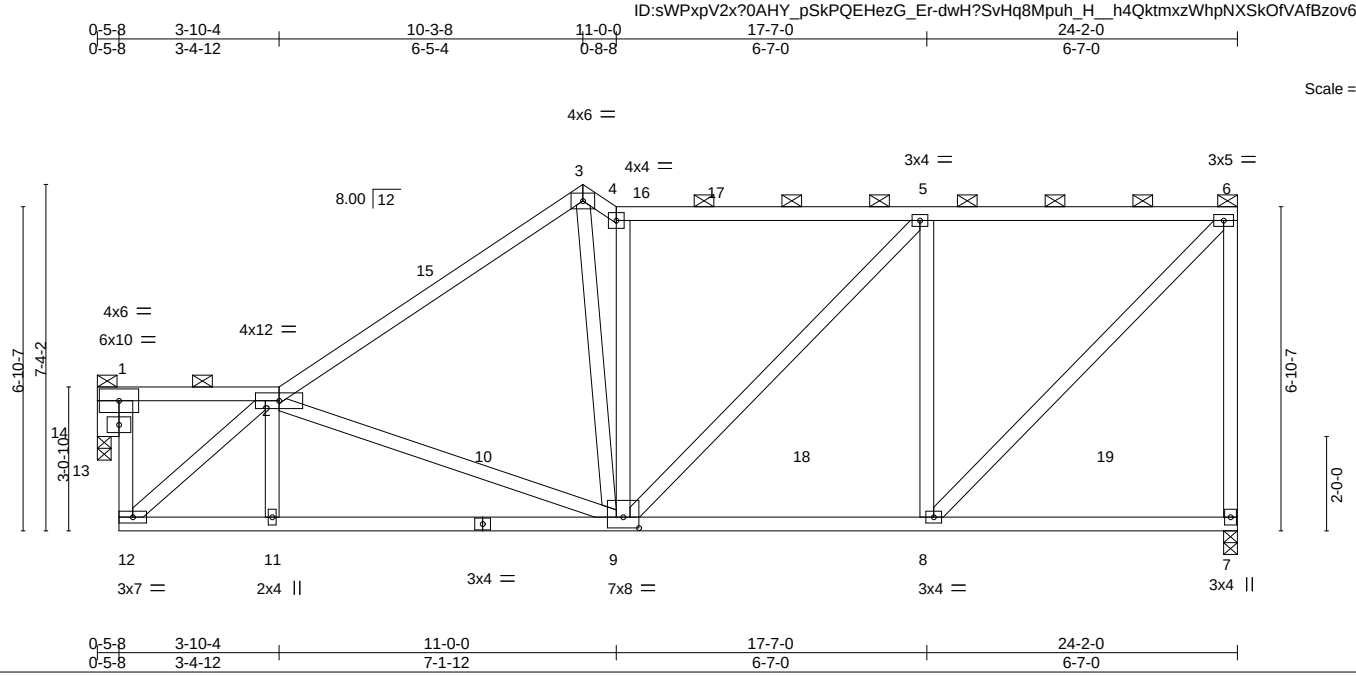

Plate Offsets (X,Y)-- [9:0-4-0,0-2-12]

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	0.73	Vert(LL)	-0.09	9-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.20	9-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.04	9-11	>999	240	Weight: 164 lb	FT = 15%

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

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

REACTIONS. (size) 7=0-3-8, 14=0-3-8
Max Horz 14=110(LC 12)
Max Uplift 7=-125(LC 9), 14=-43(LC 12)
Max Grav 7=1102(LC 17), 14=1023(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-53/997, 1-13=-53/997, 2-3=-1166/68, 3-4=-1097/90, 4-5=-1008/91, 5-6=-835/89, 6-7=-970/157
BOT CHORD 11-12=-104/1298, 9-11=-108/1289, 8-9=-89/835
WEBS 2-12=-1463/77, 2-9=-391/12, 4-9=-646/115, 5-8=-601/172, 6-8=-123/1163, 3-9=-40/900, 1-14=-1153/54

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-7-4 to 3-10-4, Interior(1) 3-10-4 to 10-3-8, Exterior(2E) 10-3-8 to 11-0-0, Interior(1) 11-0-0 to 24-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 7=125.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K4	Roof Special	1	1	T22707814
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:28 2021 Page 1
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0-5-8	4-4-9	10-3-8	12-0-11	18-1-5	24-2-0
0-5-8	3-11-1	5-10-15	1-9-3	6-0-11	6-0-11

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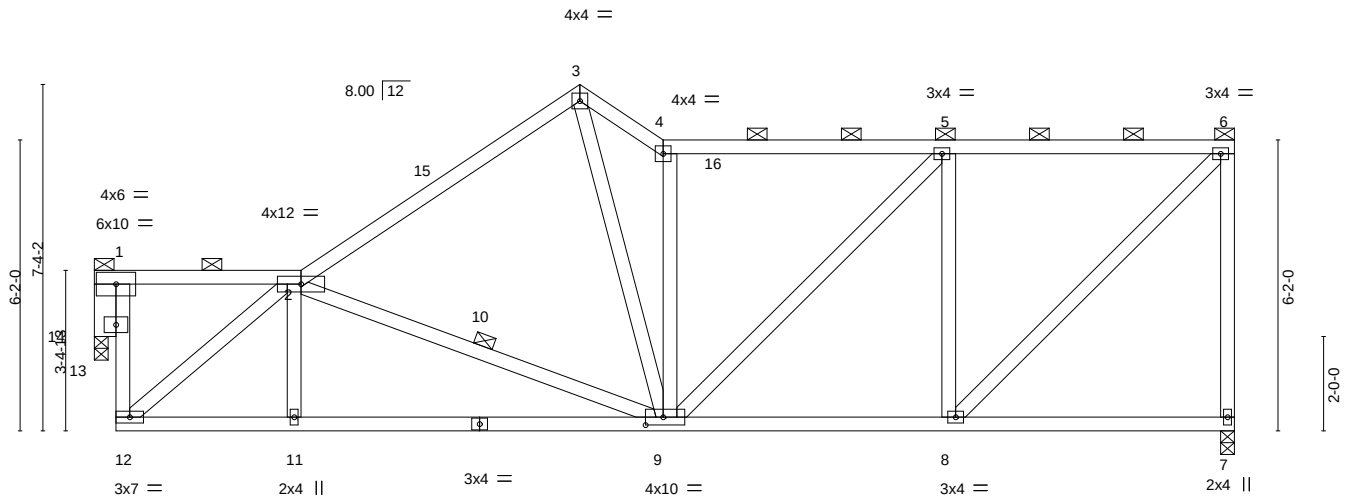

0-5-8	4-4-9	12-0-11	18-1-5	24-2-0
0-5-8	3-11-1	7-8-2	6-0-11	6-0-11

Plate Offsets (X,Y)-- [9:0-4-8,0-2-0]

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	0.64	Vert(LL)	-0.10	9-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.22	9-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.04	9-11	>999	240	Weight: 162 lb	FT = 15%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 7=0-3-8, 14=0-3-8
Max Horz 14=80(LC 12)
Max Uplift 7=-113(LC 9), 14=-47(LC 12)
Max Grav 7=955(LC 1), 14=919(LC 1)

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

TOP CHORD	12-13=-44/838, 1-13=-44/838, 2-3=-1023/85, 3-4=-1191/115, 4-5=-996/87, 5-6=-771/84, 6-7=-897/143
BOT CHORD	11-12=-100/1121, 9-11=-104/1116, 8-9=-84/771
WEBS	2-12=-1255/71, 2-11=0/253, 2-9=-389/19, 3-9=-40/911, 4-9=-813/112, 5-9=-31/313, 5-8=-633/156, 6-8=-114/1061, 1-14=-990/60

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-7-4 to 3-7-4, Interior(1) 3-7-4 to 10-3-8, Exterior(2E) 10-3-8 to 12-0-11, Interior(1) 12-0-11 to 24-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 7=113.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K5	Roof Special	1	1	T22707815
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:29 2021 Page 1
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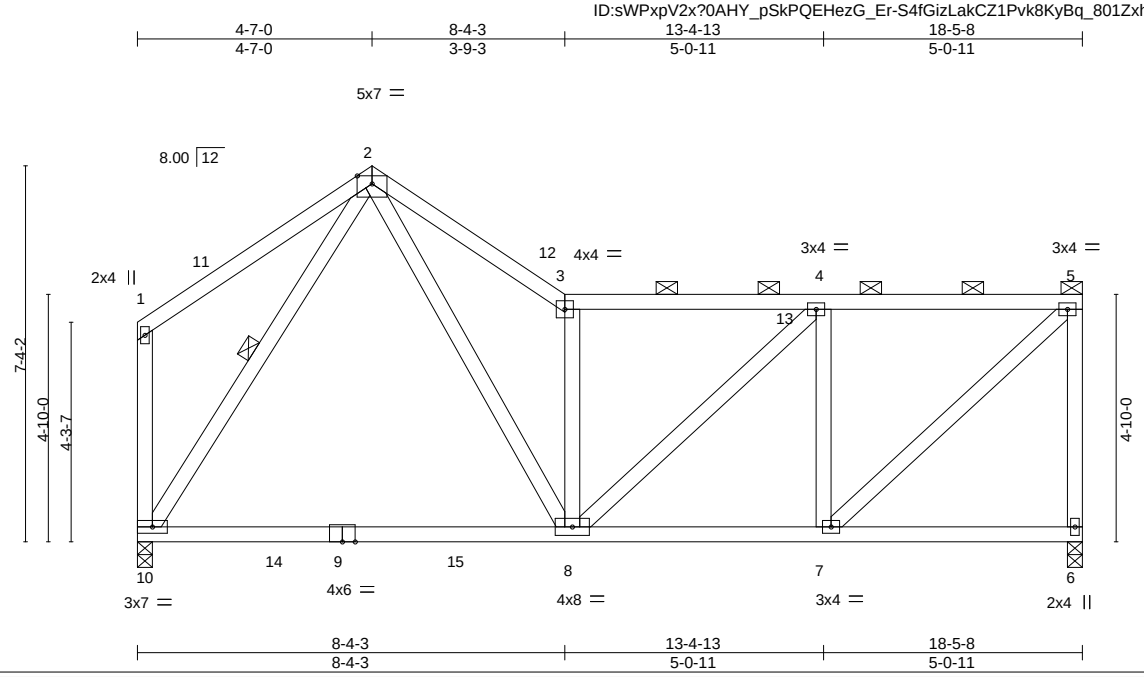

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.22	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.35	8-10	>615	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.02	8	>999	240	Weight: 124 lb	FT = 15%

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

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

REACTIONS. (size) 6=0-3-8, 10=0-3-8
Max Horz 10=-54(LC 10)
Max Uplift 6=-90(LC 9), 10=-41(LC 12)
Max Grav 6=796(LC 17), 10=818(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1101/120, 3-4=-865/54, 4-5=-670/72, 5-6=-708/117
BOT CHORD 8-10=-42/397, 7-8=-72/670
WEBS 2-8=-45/1061, 3-8=-793/131, 4-8=-4/266, 4-7=-469/117, 5-7=-95/884, 2-10=-631/56

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-7-0, Exterior(2R) 4-7-0 to 7-7-0, Interior(1) 7-7-0 to 18-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 10.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K6	Roof Special	1	1	T22707816
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:31 2021 Page 1
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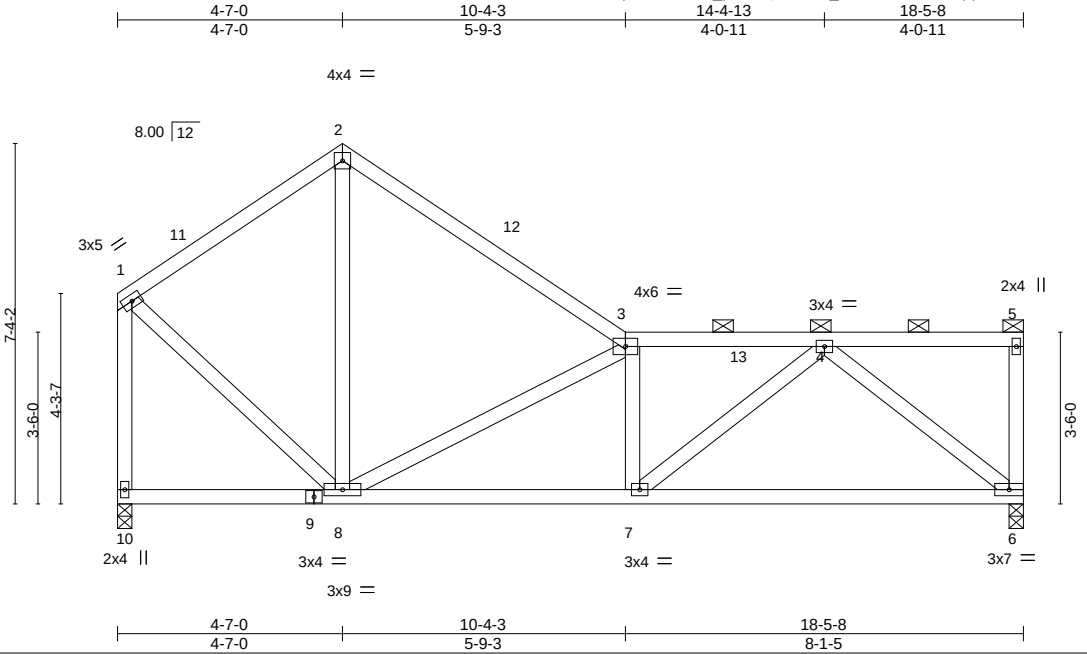

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.10	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.20	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.02	7	>999	240	Weight: 115 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-7-8 max.): 3-5.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 6=0-3-8, 10=0-3-8
Max Horz 10=68(LC 11)
Max Uplift 6=-59(LC 9), 10=-49(LC 12)
Max Grav 6=727(LC 1), 10=727(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-508/86, 2-3=-536/83, 3-4=-1059/57, 1-10=-686/86
BOT CHORD 7-8=-61/1066, 6-7=-68/695
WEBS 2-8=0/258, 3-8=-797/75, 4-7=0/471, 4-6=-855/98, 1-8=-26/481

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-7-0, Exterior(2R) 4-7-0 to 7-7-0, Interior(1) 7-7-0 to 18-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 10.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K7	Roof Special	1	1	T22707817
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:33 2021 Page 1
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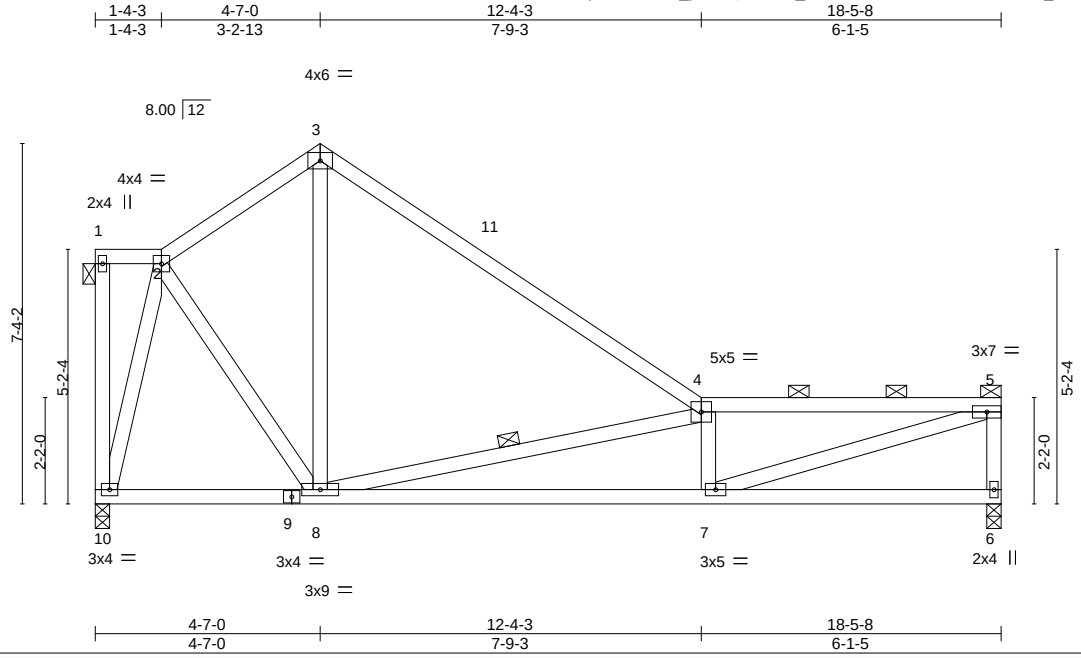

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.11	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.25	7-8	>881	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.06	7-8	>999	240	Weight: 116 lb	FT = 15%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 10=0-3-8, 6=0-3-8
Max Horz 10=-87(LC 12)
Max Uplift 10=-60(LC 12), 6=-28(LC 12)
Max Grav 10=727(LC 1), 6=727(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-472/75, 3-4=-593/60, 4-5=-1639/72, 5-6=-667/60
BOT CHORD 7-8=-81/1668
WEBS 2-10=-665/80, 2-8=-37/410, 3-8=0/253, 4-8=-1317/131, 4-7=-370/115, 5-7=-71/1624

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 1-4-3, Interior(1) 1-4-3 to 4-7-0, Exterior(2R) 4-7-0 to 7-7-0, Interior(1) 7-7-0 to 18-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 6.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K8	Roof Special	1	1	T22707818
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:36 2021 Page 1
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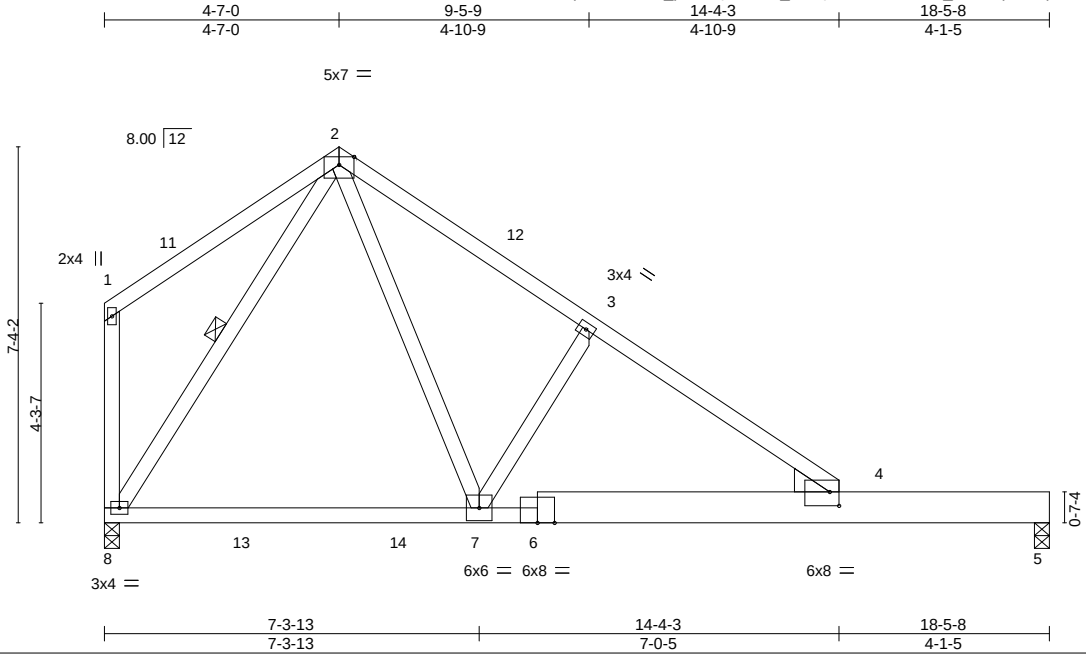

Plate Offsets (X,Y)-- [4:0-2-3,0-3-4]

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	0.44	Vert(LL)	-0.27	7-9	>814	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.51	7-9	>431	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.14	7-9	>999	240	Weight: 105 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-6: 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2
WEDGE
Right: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-8

REACTIONS. (size) 8=0-3-8, 5=0-3-8
Max Horz 8=-113(LC 12)
Max Uplift 8=-49(LC 12)
Max Grav 8=835(LC 18), 5=815(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-978/105, 3-4=-1077/66
BOT CHORD 7-8=0/430, 4-7=0/876
WEBS 2-7=-16/993, 3-7=-336/132, 2-8=-781/53

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-7-0, Exterior(2R) 4-7-0 to 7-7-0, Interior(1) 7-7-0 to 14-8-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K9	Roof Special	1	1	T22707819
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:36 2021 Page 1
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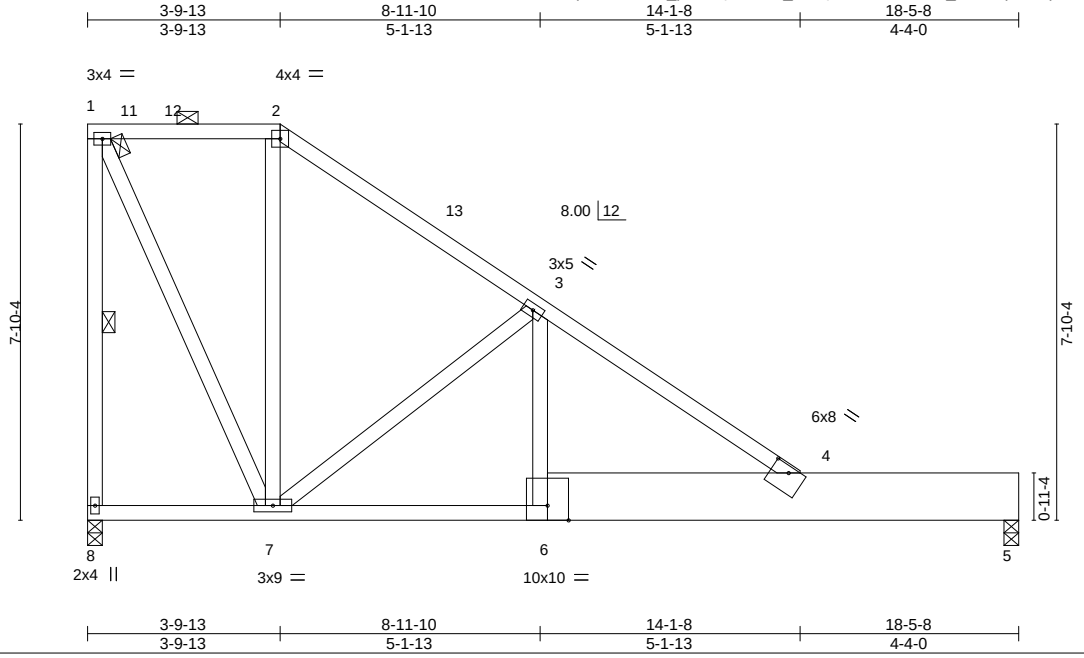

Plate Offsets (X,Y)-- [4:0-4-0,0-1-8]

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	0.26	Vert(LL)	-0.10	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.19	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.04	6-9	>999	240	Weight: 131 lb	FT = 15%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	5-6: 2x12 SP No.2
WEBS	2x4 SP No.2

BRACING-

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

REACTIONS. (size) 8=0-3-8, 5=0-3-8
Max Horz 8=-209(LC 12)
Max Uplift 8=-78(LC 12)
Max Grav 8=727(LC 1), 5=727(LC 1)

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

TOP CHORD	1-8=-695/108, 1-2=-285/41, 2-3=-439/0, 3-4=-1115/0
BOT CHORD	6-7=0/857, 4-6=0/848
WEBS	1-7=-97/662, 3-7=-722/79, 3-6=0/497

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-9-13, Exterior(2R) 3-9-13 to 6-9-13, Interior(1) 6-9-13 to 14-2-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K10	Roof Special	1	1	T22707820
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:19 2021 Page 1
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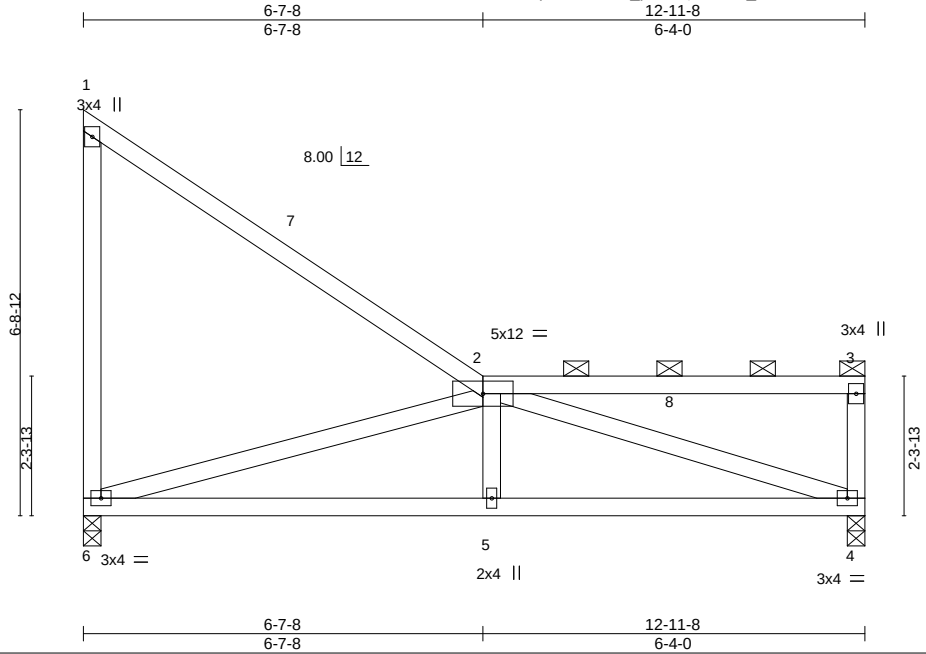

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.05	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.12	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS		Wind(LL)	0.02	5	>999	240	Weight: 74 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 6=0-3-8, 4=0-3-8
Max Horz 6=-124(LC 12)
Max Uplift 6=-71(LC 12), 4=-29(LC 8)
Max Grav 6=507(LC 1), 4=507(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 5-6=0/895, 4-5=0/904
WEBS 2-6=-915/86, 2-5=0/281, 2-4=-857/0

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-9-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

February 3,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	K11	Roof Special	1	1	T22707821
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:21 2021 Page 1
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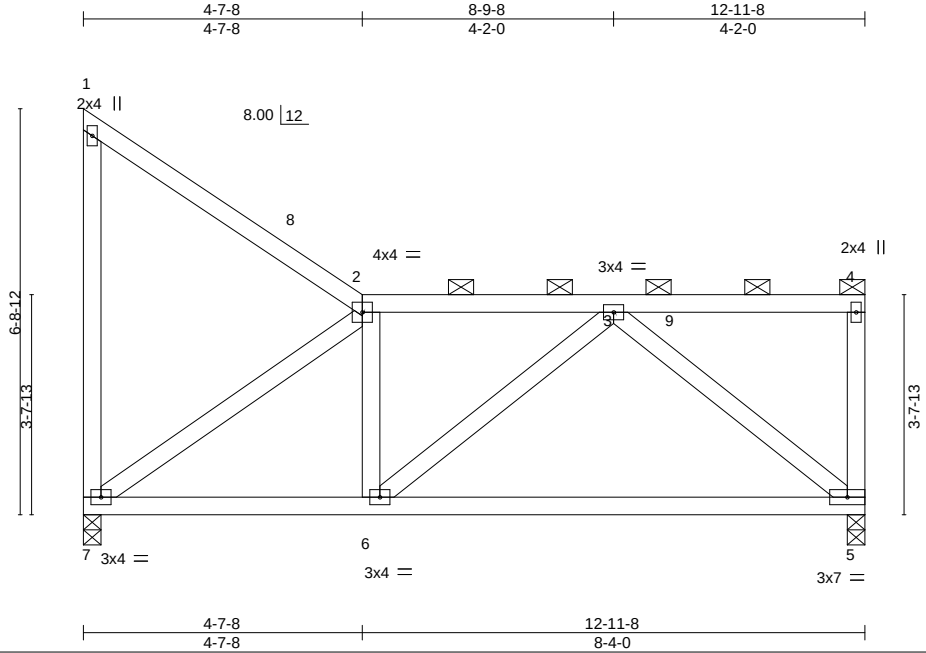

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.10	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21	5-6	>728	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.01	6	>999	240	Weight: 81 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 7=0-3-8, 5=0-3-8
Max Horz 7=-85(LC 12)
Max Uplift 7=-63(LC 12), 5=-53(LC 9)
Max Grav 7=507(LC 1), 5=507(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-488/0
BOT CHORD 6-7=0/484, 5-6=-59/417
WEBS 2-7=-596/46, 3-5=-500/88

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-9-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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February 3,2021

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	L1	Hip Girder	1	1	T22707822
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:41 2021 Page 1
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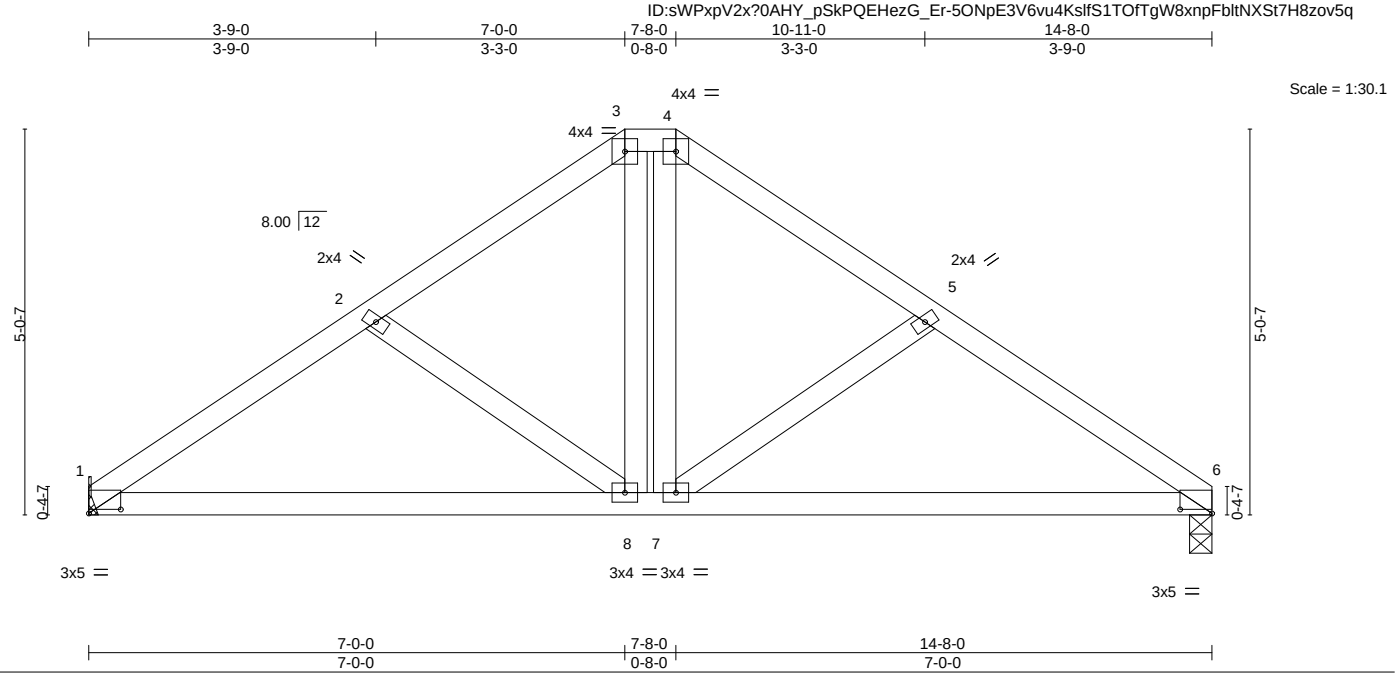

Plate Offsets (X,Y)-- [1:0-5-0,0-0-10], [6:0-5-0,0-0-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.05	7-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.12	8-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.17	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Wind(LL)	0.04	8-11	>999	240	Weight: 74 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-9 oc purlins, except
2-0-0 oc purlins (4-8-15 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 6=0-3-8
Max Horz 1=-94(LC 6)
Max Uplift 1=-243(LC 8), 6=-242(LC 8)
Max Grav 1=1291(LC 1), 6=1289(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2052/456, 2-3=-1878/448, 3-4=-1527/397, 4-5=-1875/446, 5-6=-2048/454
BOT CHORD 1-8=-329/1681, 7-8=-271/1527, 6-7=-326/1678
WEBS 3-8=-110/722, 4-7=-142/769

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=243, 6=242.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 262 lb down and 247 lb up at 7-0-0, and 145 lb down and 103 lb up at 7-8-0 on top chord, and 532 lb down and 135 lb up at 7-0-0, and 560 lb down and 149 lb up at 7-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 3=-187(F) 4=-127(F) 8=-532(F) 7=-560(F)

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February 3,2021

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Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	M	Common	1	1	T22707823
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:42 2021 Page 1
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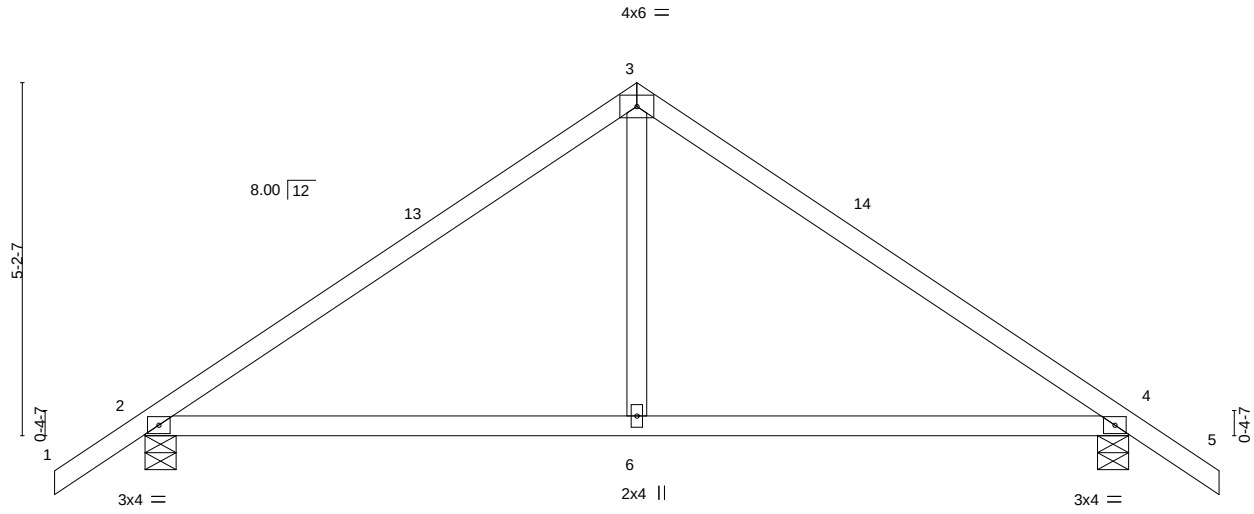

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.07	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.14	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.05	6-9	>999	240	Weight: 60 lb	FT = 15%

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

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

REACTIONS. (size) 2=0-5-8, 4=0-5-8
Max Horz 2=-114(LC 10)
Max Uplift 2=-77(LC 12), 4=-77(LC 12)
Max Grav 2=660(LC 1), 4=660(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-702/117, 3-4=-702/117
BOT CHORD 2-6=0/499, 4-6=0/499
WEBS 3-6=0/334

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-3-0, Exterior(2R) 7-3-0 to 10-3-0, Interior(1) 10-3-0 to 15-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	MET	Common Supported Gable	1	1	T22707824
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:44 2021 Page 1
ID:sWPxpV2x?0AHY_pSkPQEHezG_Er-Wz3xs5X?CpSvjCN0ibyM5I8h6_yNo7iqDQ5nuTzov5n

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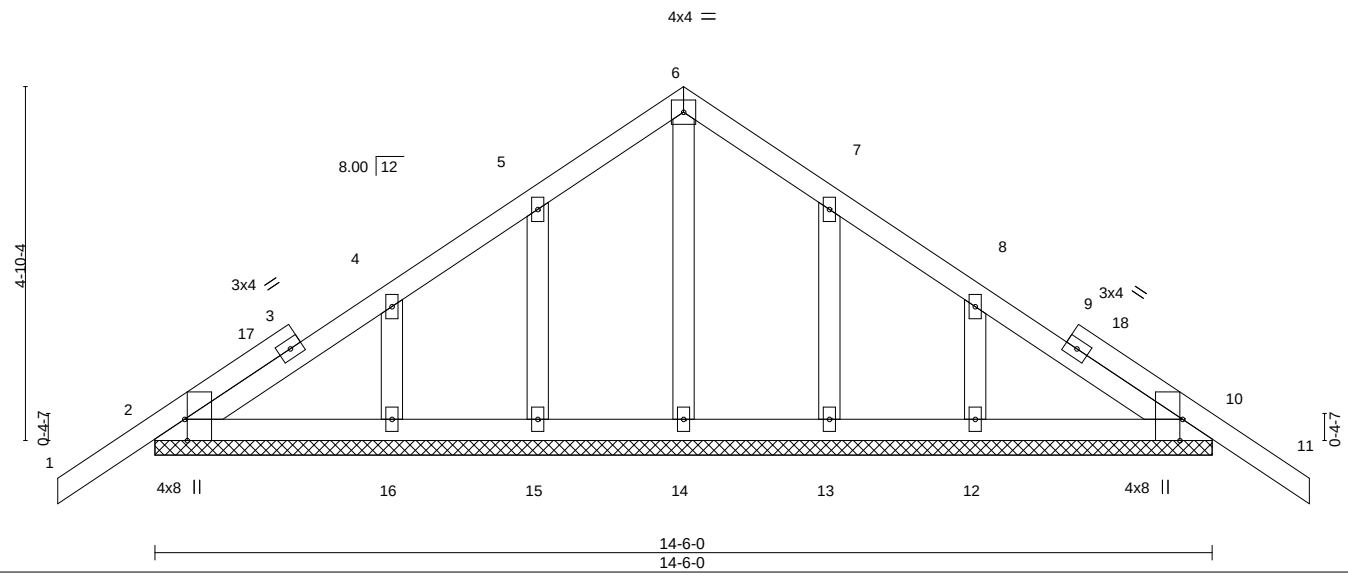

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [10:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 78 lb	FT = 15%

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

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

REACTIONS. All bearings 14-6-0.
(lb) - Max Horz 2=-107(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 16, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 7-3-0, Corner(3R) 7-3-0 to 10-3-0, Exterior(2N) 10-3-0 to 15-10-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 15, 16, 13, 12.

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Date:

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	PB1	GABLE	1	1	T22707825
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:49 2021 Page 1
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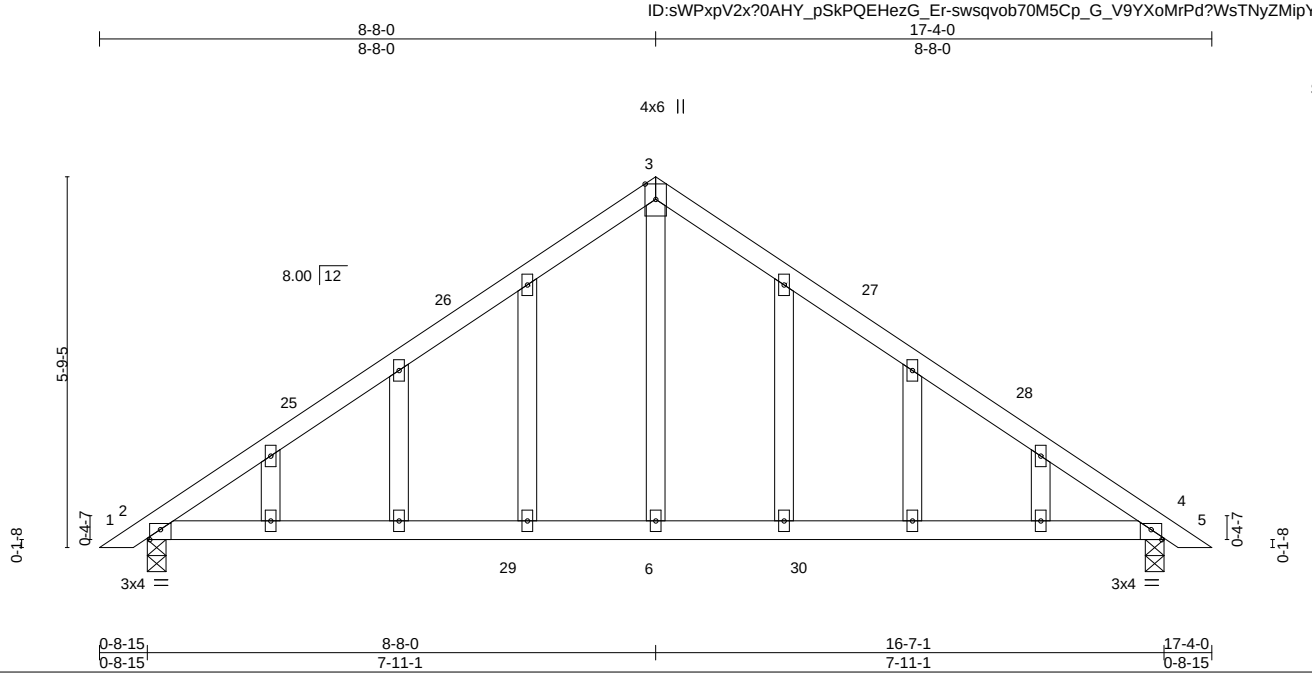

Plate Offsets (X,Y)-- [2:0-2-0,Edge], [4:0-2-0,Edge]

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	0.65	Vert(LL)	-0.14	6-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.24	6-24	>784	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Wind(LL)	0.07	6-21	>999	240	Weight: 84 lb	FT = 15%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=112(LC 11)
Max Uplift 2=-54(LC 12), 4=-54(LC 12)
Max Grav 2=751(LC 17), 4=751(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-867/119, 3-4=-867/119
BOT CHORD 2-6=0/692, 4-6=0/692
WEBS 3-6=0/452

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-2 to 3-3-2, Interior(1) 3-3-2 to 8-8-0, Exterior(2R) 8-8-0 to 11-8-0, Interior(1) 11-8-0 to 17-0-14 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	PB1ET	PIGGYBACK	1	1	T22707826
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:51 2021 Page 1
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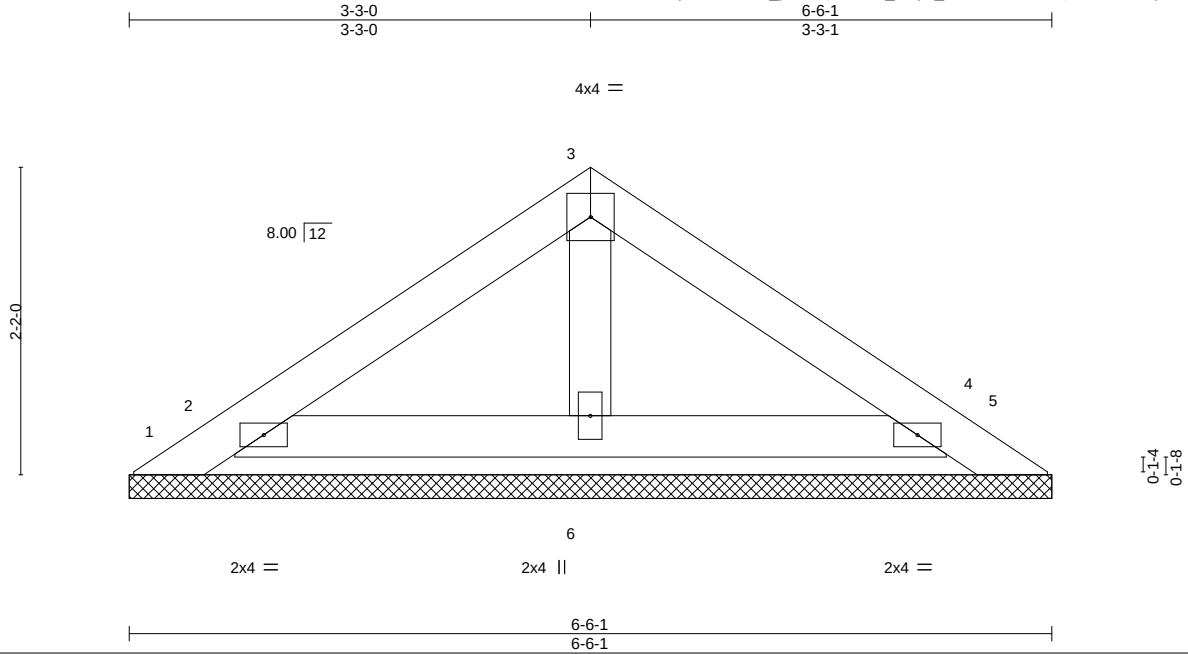

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 21 lb	FT = 15%

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

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

REACTIONS. All bearings 6-6-1.
(lb) - Max Horz 1=-40(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 2, 4
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 2, 4, 6

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 2, 4.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

February 3,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	PB2	Piggyback	6	1	T22707827
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:32:52 2021 Page 1
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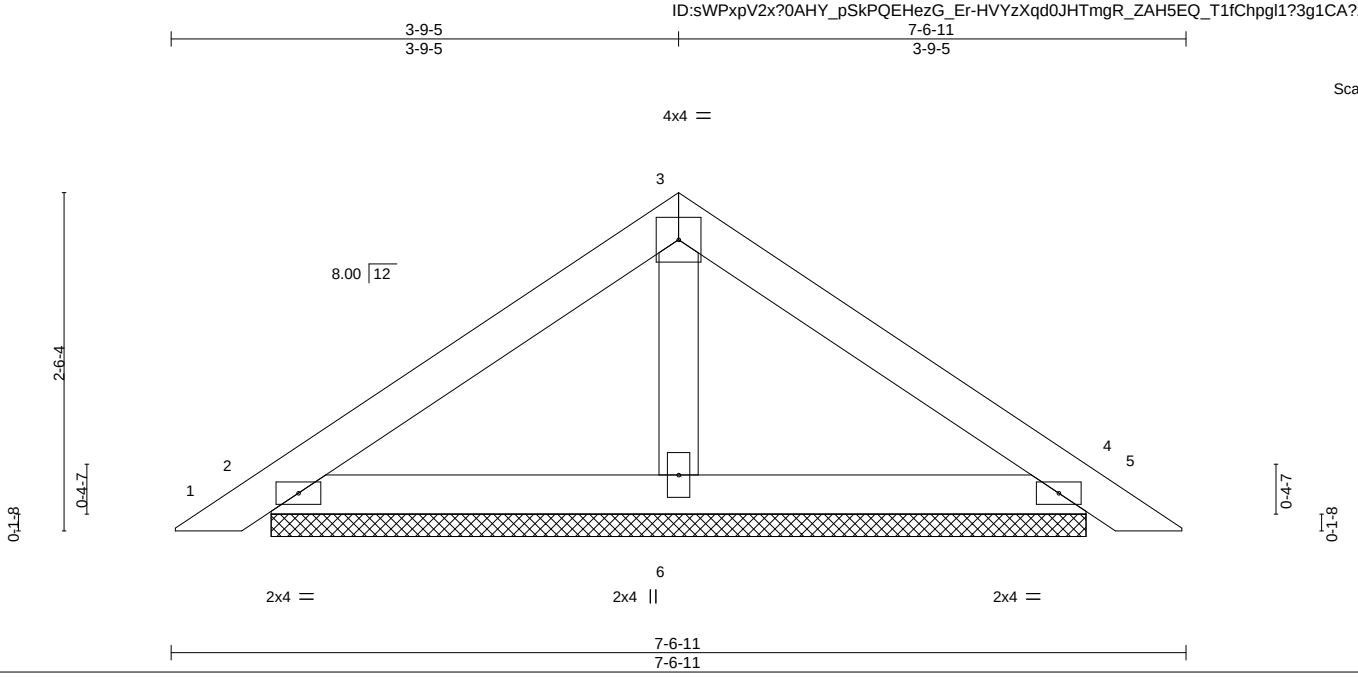

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 25 lb	FT = 15%

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

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

REACTIONS. (size) 2=6-0-13, 4=6-0-13, 6=6-0-13
Max Horz 2=-47(LC 10)
Max Uplift 2=-41(LC 12), 4=-41(LC 12)
Max Grav 2=160(LC 1), 4=160(LC 1), 6=221(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 3-9-5, Exterior(2R) 3-9-5 to 6-9-12, Interior(1) 6-9-12 to 7-3-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

February 3,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	PB3	GABLE	17	1	T22707828
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:33:02 2021 Page 1
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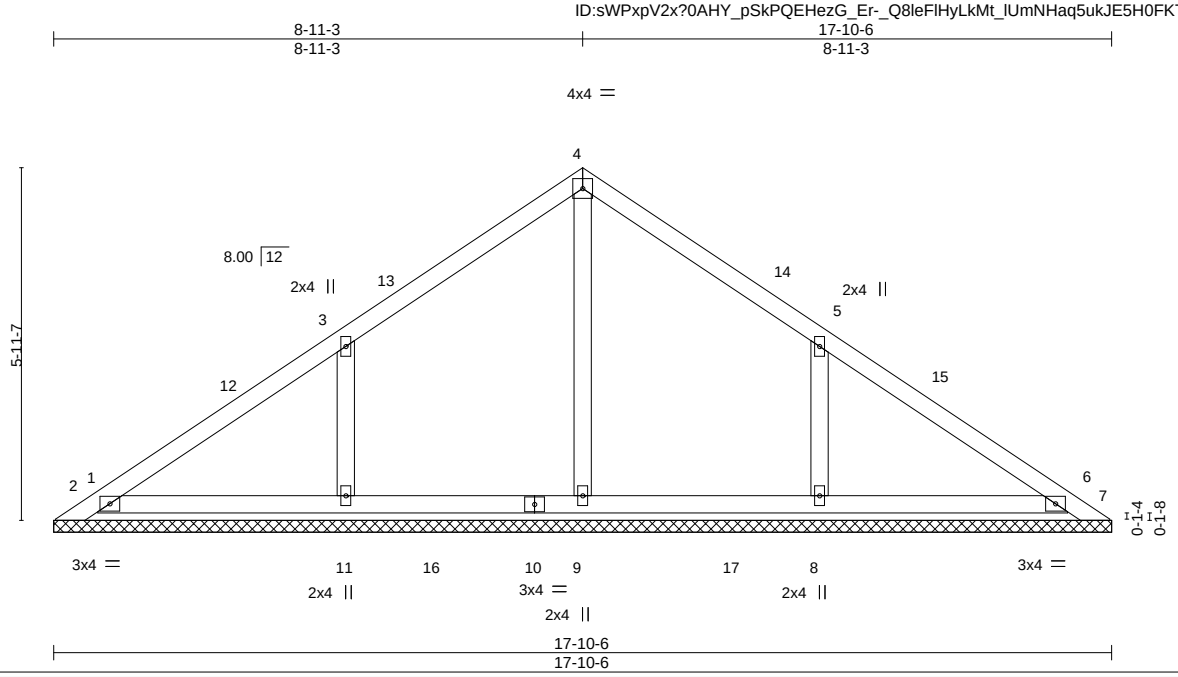

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 72 lb	FT = 15%

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

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

REACTIONS. All bearings 17-10-6.
(lb) - Max Horz 1=115(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 11, 8, 6 except 1=-230(LC 17), 7=-182(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 2=431(LC 17), 9=354(LC 17), 11=440(LC 17), 8=439(LC 18), 6=401(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-11=-273/150, 5-8=-273/150

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 8-11-3, Exterior(2R) 8-11-3 to 11-11-3, Interior(1) 11-11-3 to 17-7-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11, 8, 6 except (jt=lb) 1=230, 7=182.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	PB4	GABLE	2	1	T22707829
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:33:25 2021 Page 1
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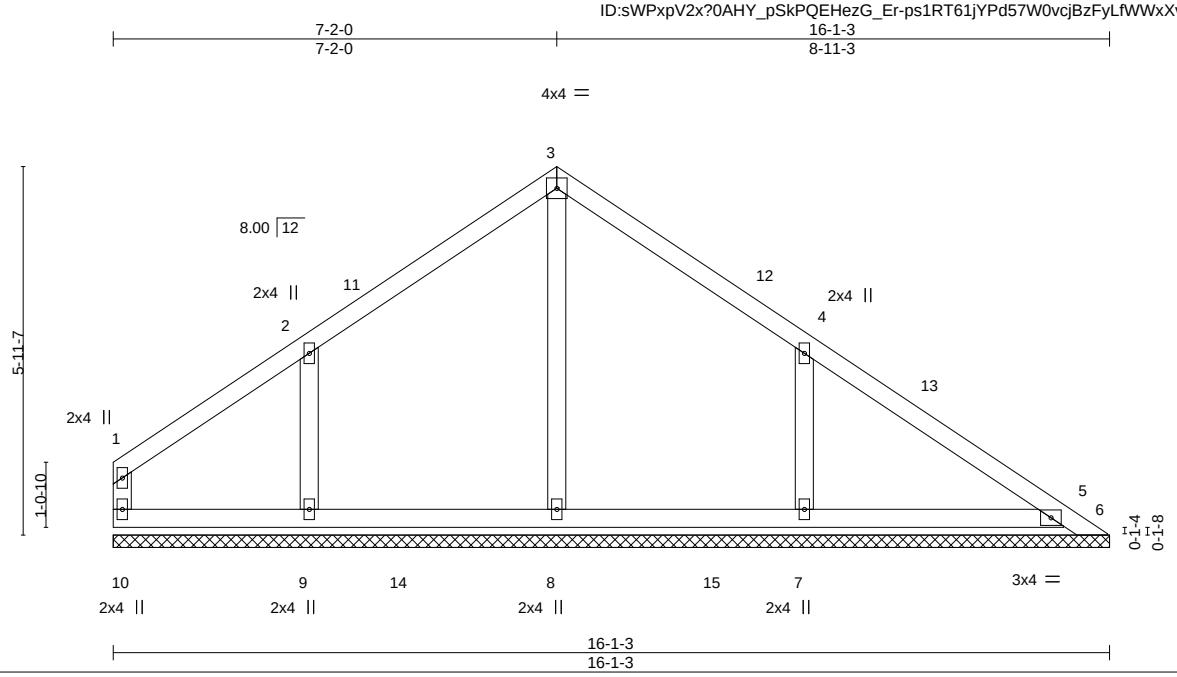

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 68 lb	FT = 15%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 16-1-3.
(lb) - Max Horz 10=105(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 10, 5, 9, 7 except 6=-183(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 10, 6 except 5=380(LC 18), 8=373(LC 18), 9=401(LC 17), 7=437(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-254/150, 4-7=-273/158

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-2-0, Interior(1) 3-2-0 to 7-2-0, Exterior(2R) 7-2-0 to 10-2-0, Interior(1) 10-2-0 to 15-9-14 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 5, 9, 7 except (jt=lb) 6=183.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been electronically signed and sealed by Lee, Julius, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

February 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
ZEDICKS	PB4ET	GABLE	1	1	T22707830
					Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Feb 3 08:33:37 2021 Page 1
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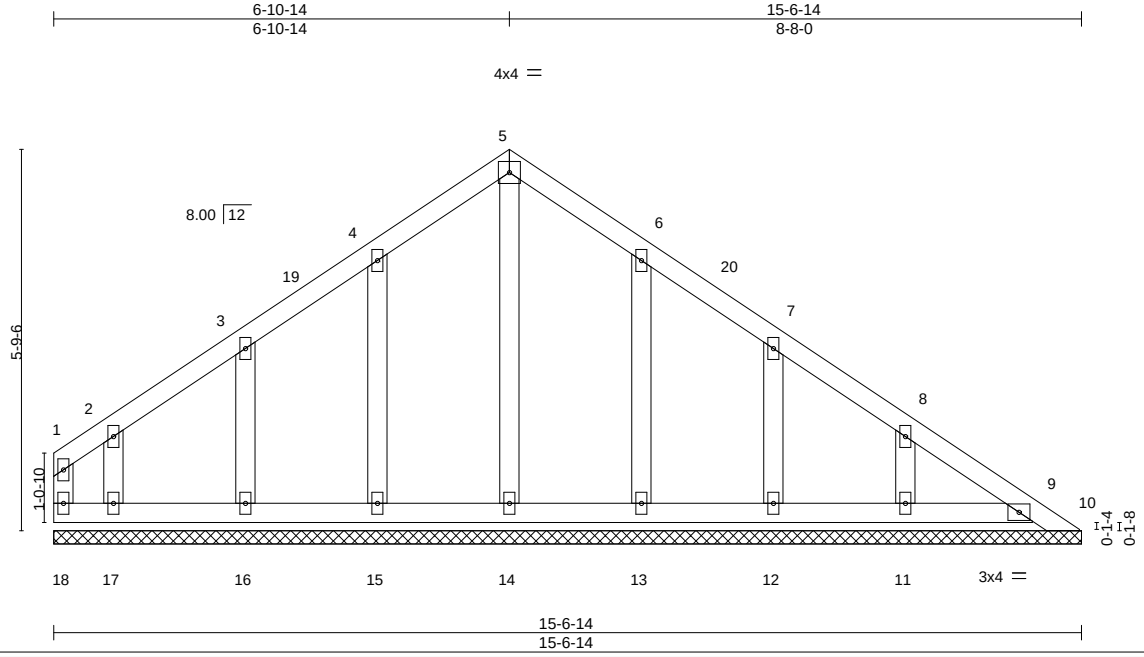

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 80 lb	FT = 15%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 15-6-14.
(lb) - Max Horz 18=101(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 18, 10, 15, 16, 17, 13, 12, 11
Max Grav All reactions 250 lb or less at joint(s) 18, 10, 9, 14, 15, 16, 17, 13, 12, 11

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 2-10-14, Interior(1) 2-10-14 to 6-10-14, Exterior(2R) 6-10-14 to 9-10-14, Interior(1) 9-10-14 to 15-3-9 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 10, 15, 16, 17, 13, 12, 11.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been electronically signed and sealed by Lee, Julius, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 3,2021

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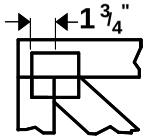
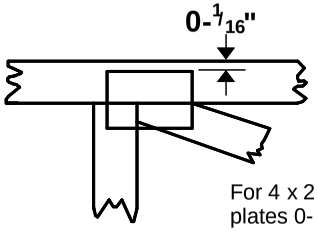
6904 Parke East Blvd.
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

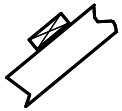
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

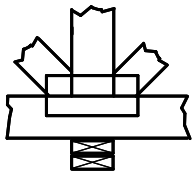
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

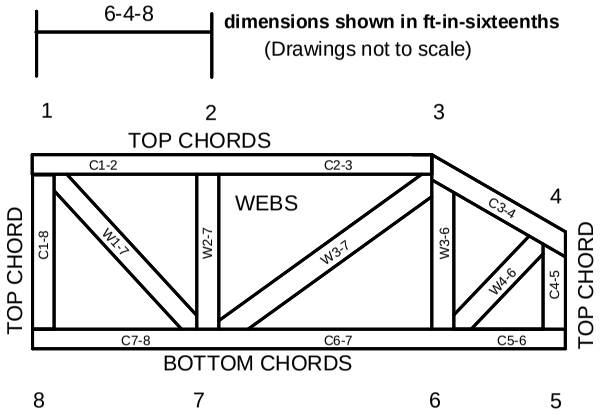


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

21.The design does not take into account any dynamic or other loads other than those expressly stated.