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

39003

RE: LMCHADDOCK - CHADDOCK

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

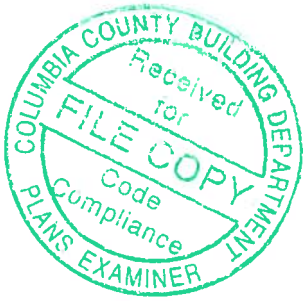
Site Information:
Customer Info: LDM CONSTRUCTION Project Name: CHADDOCK RESIDENCE Model:
Lot/Block: Subdivision:
Address: 230 SW MARYNIC DRIVE
City: HIGH SPRINGS State: FL

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 35 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	T18475318	A1	10/24/19	15	T18475332	A15	10/24/19
2	T18475319	A2	10/24/19	16	T18475333	A16	10/24/19
3	T18475320	A3	10/24/19	17	T18475334	A17	10/24/19
4	T18475321	A4	10/24/19	18	T18475335	A18	10/24/19
5	T18475322	A5	10/24/19	19	T18475336	A19	10/24/19
6	T18475323	A6	10/24/19	20	T18475337	A20	10/24/19
7	T18475324	A7	10/24/19	21	T18475338	B	10/24/19
8	T18475325	A8	10/24/19	22	T18475339	B1	10/24/19
9	T18475326	A9	10/24/19	23	T18475340	B2	10/24/19
10	T18475327	A10	10/24/19	24	T18475341	BGT	10/24/19
11	T18475328	A11	10/24/19	25	T18475342	C1	10/24/19
12	T18475329	A12	10/24/19	26	T18475343	C2	10/24/19
13	T18475330	A13	10/24/19	27	T18475344	CGT	10/24/19
14	T18475331	A14	10/24/19	28	T18475345	CJ06	10/24/19

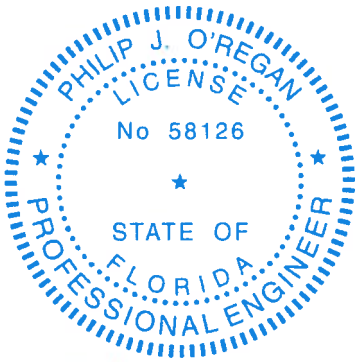


This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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: ORegan, Philip
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.



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

October 24,2019

RE: LMCHADDOCK - CHADDOCK

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

Site Information:

Customer Info: LDM CONSTRUCTION Project Name: CHADDOCK RESIDENCE Model:
Lot/Block: Subdivision:
Address: 230 SW MARYNIC DRIVE
City: HIGH SPRINGS State: FL

No.	Seal#	Truss Name	Date
29	T18475346	CJ08	10/24/19
30	T18475347	EJ4	10/24/19
31	T18475348	EJ6	10/24/19
32	T18475349	EJ6A	10/24/19
33	T18475350	EJ6B	10/24/19
34	T18475351	J02	10/24/19
35	T18475352	J04	10/24/19

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475318
LMCHADDOCK	A1	Hip Girder	2	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:19 2019 Page 1
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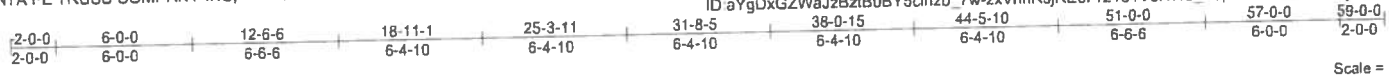

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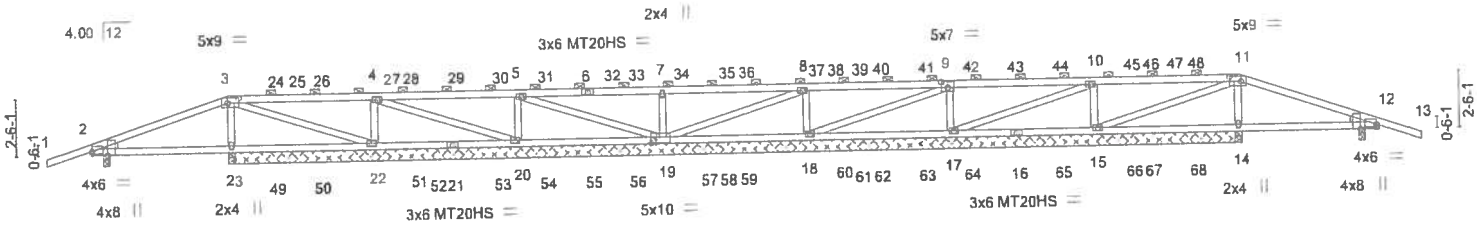

0-6-0	6-0-0	12-6-6	18-11-1	25-3-11	28-6-0	31-8-5	38-0-15	44-5-10	51-0-0	56-6-0	57-0-0
0-6-0	5-6-0	6-6-6	6-4-10	6-4-10	3-2-5	3-2-5	6-4-10	6-4-10	6-6-6	5-6-0	0-6-0

Plate Offsets (X,Y)-- [2:0-2-6,Edge], [2:0-0-0,0-1-7], [3:0-6-0,0-2-8], [9:0-3-8,0-3-0], [11:0-6-0,0-2-8], [12:0-0-0,0-1-7], [12:0-2-6,Edge], [19:0-2-12,0-3-0]

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	0.88	Vert(LL)	-0.04	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.09	18-19	>892	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S		Wind(LL)	0.05	18-19	>999	240	Weight: 269 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-11.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 19-20,18-19.

REACTIONS. All bearings 0-3-8 except (jt=length) 22=45-0-0, 20=45-0-0, 19=45-0-0, 18=45-0-0, 17=45-0-0, 15=45-0-0.
(lb) - Max Horz 2=37(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) except 23=-284(LC 8), 22=-238(LC 8), 20=-209(LC 8), 19=-260(LC 8), 18=-235(LC 8), 17=-213(LC 8), 15=-241(LC 8), 14=-287(LC 8), 2=-161(LC 25), 12=-161(LC 25)
Max Grav All reactions 250 lb or less at joint(s) except 23=779(LC 17), 23=779(LC 1), 23=779(LC 1), 22=903(LC 18), 20=812(LC 17), 19=897(LC 18), 18=866(LC 17), 17=817(LC 18), 15=908(LC 17), 14=778(LC 18), 14=778(LC 1), 14=778(LC 1), 2=365(LC 1), 12=365(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-23=-500/147, 4-22=-659/200, 5-20=-575/173, 7-19=-630/197, 8-18=-613/187, 9-17=-579/178, 10-15=-664/203, 11-14=-499/147

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x5 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 284 lb uplift at joint 23, 238 lb uplift at joint 22, 209 lb uplift at joint 20, 260 lb uplift at joint 19, 235 lb uplift at joint 18, 213 lb uplift at joint 17, 241 lb uplift at joint 15, 287 lb uplift at joint 14, 161 lb uplift at joint 2 and 161 lb uplift at joint 12.
9) 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 ORegan, Philip using a Digital Signature. Printed copies of this document are not consid signed and sealed and th signature must be verifie on any electronic copies

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 3361
Date:
October 24,2019

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475318
LMCHADDOCK	A1	Hip Girder	2	1	Job Reference (optional)

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 155 lb down and 144 lb up at 6-0-0, 69 lb down and 63 lb up at 8-0-12, 69 lb down and 63 lb up at 10-0-12, 69 lb down and 63 lb up at 12-0-12, 69 lb down and 63 lb up at 14-0-12, 69 lb down and 63 lb up at 16-0-12, 69 lb down and 63 lb up at 18-0-12, 69 lb down and 63 lb up at 20-0-12, 69 lb down and 63 lb up at 22-0-12, 69 lb down and 63 lb up at 24-0-12, 69 lb down and 63 lb up at 26-0-12, 69 lb down and 63 lb up at 28-0-12, 69 lb down and 63 lb up at 28-11-4, 69 lb down and 63 lb up at 30-11-4, 69 lb down and 63 lb up at 32-11-4, 69 lb down and 63 lb up at 34-11-4, 69 lb down and 63 lb up at 36-11-4, 69 lb down and 63 lb up at 38-11-4, 69 lb down and 63 lb up at 40-11-4, 69 lb down and 63 lb up at 42-11-4, 69 lb down and 63 lb up at 44-11-4, 69 lb down and 63 lb up at 46-11-4, and 69 lb down and 63 lb up at 48-11-4, and 155 lb down and 144 lb up at 51-0-0 on top chord, and 130 lb down and 130 lb up at 6-0-0, 52 lb down and 43 lb up at 8-0-12, 52 lb down and 43 lb up at 10-0-12, 52 lb down and 43 lb up at 12-0-12, 52 lb down and 43 lb up at 14-0-12, 52 lb down and 43 lb up at 16-0-12, 52 lb down and 43 lb up at 18-0-12, 52 lb down and 43 lb up at 20-0-12, 52 lb down and 43 lb up at 22-0-12, 52 lb down and 43 lb up at 24-0-12, 52 lb down and 43 lb up at 26-0-12, 52 lb down and 43 lb up at 28-0-12, 52 lb down and 43 lb up at 28-11-4, 52 lb down and 43 lb up at 30-11-4, 52 lb down and 43 lb up at 32-11-4, 52 lb down and 43 lb up at 34-11-4, 52 lb down and 43 lb up at 36-11-4, 52 lb down and 43 lb up at 38-11-4, 52 lb down and 43 lb up at 40-11-4, 52 lb down and 43 lb up at 42-11-4, 52 lb down and 43 lb up at 44-11-4, 52 lb down and 43 lb up at 46-11-4, and 52 lb down and 43 lb up at 48-11-4, and 130 lb down and 132 lb up at 50-11-4 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, 3-11=-60, 11-13=-60, 2-12=-20

Concentrated Loads (lb)

Vert: 3=-108(F) 6=-69(F) 11=-108(F) 21=-34(F) 23=-103(F) 14=-103(F) 16=-34(F) 24=-69(F) 26=-69(F) 27=-69(F) 28=-69(F) 29=-69(F) 30=-69(F) 31=-69(F) 33=-69(F) 34=-69(F) 35=-69(F) 36=-69(F) 37=-69(F) 38=-69(F) 40=-69(F) 41=-69(F) 42=-69(F) 43=-69(F) 44=-69(F) 45=-69(F) 46=-69(F) 48=-69(F) 49=-34(F) 50=-34(F) 51=-34(F) 52=-34(F) 53=-34(F) 54=-34(F) 55=-34(F) 56=-34(F) 57=-34(F) 58=-34(F) 59=-34(F) 60=-34(F) 61=-34(F) 62=-34(F) 63=-34(F) 64=-34(F) 65=-34(F) 66=-34(F) 67=-34(F) 68=-34(F)

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475319
LMCHADDOCK	A2	Hip	1	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:39 2019 Page 1
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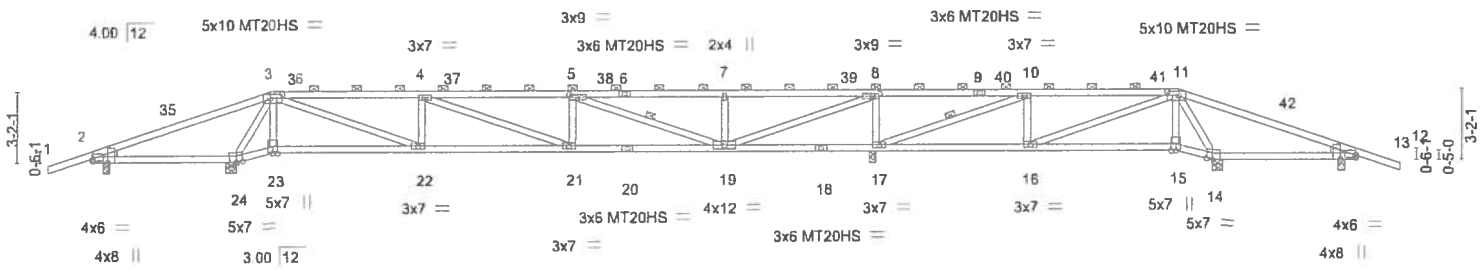

Plate Offsets (X,Y)-- [2:0-2-6,Edge], [2:0-0-0,0-1-7], [3:0-6-4,0-2-4], [5:0-3-8,0-1-8], [8:0-3-8,0-1-8], [11:0-6-4,0-2-4], [12:0-0-0,0-1-7], [12:0-2-6,Edge]

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	0.86	Vert(LL)	-0.18	21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.37	21-22	>945	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.13	21	>999	240	Weight: 273 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-7-1 max.): 3-11.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-19, 10-17

REACTIONS. All bearings 0-3-8 except (jt=length) 24=0-5-8, 14=0-5-8.
(lb) - Max Horz 2=47(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14 except 24=-108(LC 12), 17=-150(LC 12), 2=-239(LC 22), 12=-201(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2 except 24=1652(LC 21), 14=497(LC 22), 17=2148(LC 1), 12=449(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-19/1102, 3-4=-1735/403, 4-5=-2101/383, 5-7=-944/178, 7-8=-944/178, 8-10=-195/1672, 11-12=-143/335
BOT CHORD 2-24=-1010/99, 23-24=-341/31, 22-23=-317/20, 21-22=-262/1735, 19-21=-241/2101, 17-19=-1672/337, 15-16=-200/297, 14-15=-197/296
WEBS 3-24=-1578/176, 3-22=-265/2074, 4-22=-564/176, 4-21=-6/429, 5-19=-1231/218, 7-19=-400/145, 8-19=-397/2779, 8-17=-1369/280, 10-17=-1839/354, 10-16=0/341, 11-16=-252/191, 11-14=-498/14

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 3-8-6, Interior(1) 3-8-6 to 8-0-0, Exterior(2) 8-0-0 to 16-0-12, Interior(1) 16-0-12 to 49-0-0, Exterior(2) 49-0-0 to 57-0-0, Interior(1) 57-0-0 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 14 except (jt=lb) 24=108, 17=150, 2=239, 12=201.
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.

This item has been electronically signed and sealed by ORegan, Philip, using a Digital Signature. Printed copies of this document are not conside signed and sealed and the signature must be verified on any electronic copies.
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475320
LMCHADDOCK	A3	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:42 2019 Page 1

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2-0-0	6-5-8	10-0-0	16-2-0	22-4-0	28-6-0	34-8-0	40-10-0	47-0-0	50-6-8	57-0-0	59-0-0
2-0-0	6-5-8	3-6-8	6-2-0	6-2-0	6-2-0	6-2-0	6-2-0	6-2-0	3-6-8	6-5-8	2-0-0

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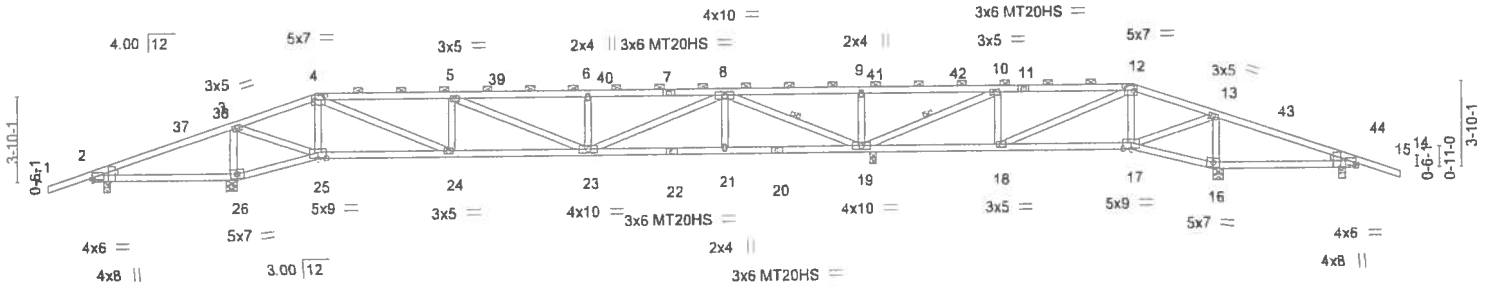

0-6-0	6-2-12	6-5-8	10-1-8	16-2-0	22-4-0	28-6-0	34-8-0	35-4-0	40-10-0	46-10-8	50-6-8	50-8-4	56-6-0	57-0-0
0-6-0	5-8-12	0-2-12	3-8-0	6-0-8	6-2-0	6-2-0	6-2-0	0-8-0	5-6-0	6-0-8	3-8-0	0-2-12	5-8-12	0-5-0

Plate Offsets (X,Y)-- [2:0-2-6,Edge], [2:0-0-0,0-1-7], [4:0-5-4,0-2-8], [12:0-5-4,0-2-8], [14:0-2-6,Edge], [14:Edge,0-1-7], [17:0-4-8,0-0-8], [25:0-4-8,0-0-8]

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	0.73	Vert(LL)	-0.13	23-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.27	23-24	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.05	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.09	23-24	>999	240	Weight: 278 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-0-1 max.): 4-12.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-19, 10-19

REACTIONS. All bearings 0-3-8 except (jt=length) 26=0-5-8, 16=0-5-8.
(lb) - Max Horz 2=56(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 26=-126(LC 12), 19=-131(LC 12), 2=-182(LC 22), 14=-180(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2 except 26=1646(LC 21), 16=636(LC 22), 19=2096(LC 1), 14=381(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-30/940, 3-4=-505/213, 4-5=-1686/339, 5-6=-1747/302, 6-8=-1747/302, 8-9=-161/1549, 9-10=-161/1549, 12-13=-313/183
BOT CHORD 2-26=-843/102, 25-26=-951/127, 24-25=-51/404, 23-24=-188/1686, 21-23=0/664, 19-21=0/664, 17-18=-37/257
WEBS 3-26=-1268/218, 3-25=-126/1431, 4-25=-646/143, 4-24=-207/1415, 5-24=-427/158, 6-23=-364/129, 8-23=-178/1180, 8-19=-2397/325, 9-19=-381/131, 10-19=-1621/276, 10-18=0/362, 12-18=-339/110, 13-17=0/350, 13-16=-511/116

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 3-8-6, Interior(1) 3-8-6 to 10-0-0, Exterior(2) 10-0-0 to 18-0-12, Interior(1) 18-0-12 to 47-0-0, Exterior(2) 47-0-0 to 55-0-12, Interior(1) 55-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 16 except (jt=lb) 26=126, 19=131, 2=182, 14=180.
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.

This item has been electronically signed and sealed by ORegan, Philip using a Digital Signature. Printed copies of this document are not consid signed and sealed and th signature must be verifie on any electronic copies.

Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475321
LMCHADDOCK	A4	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:44 2019 Page 1

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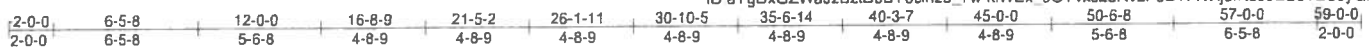

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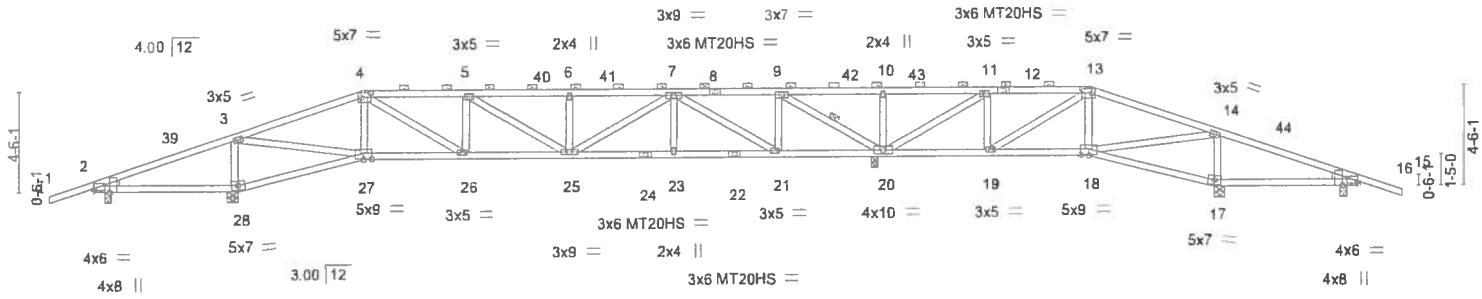

0-6-0	6-2-12	6-5-8	12-1-8	16-8-9	21-5-2	26-1-11	30-10-5	35-4-0	35-6-14	40-3-7	44-10-8	50-6-8	50-9-4	56-6-0	57-0-0
0-6-0	5-8-12	0-2-12	5-8-0	4-7-1	4-8-9	4-8-9	4-8-9	4-5-11	0-2-14	4-8-9	4-7-1	5-8-0	0-2-12	5-8-12	0-6-0

Plate Offsets (X,Y)-- [2:0-2-6,Edge], [2:0-0-0,0-1-7], [4:0-5-4,0-2-8], [13:0-5-4,0-2-8], [15:0-2-6,Edge], [15:0-0-0,0-1-7], [18:0-4-8,0-0-8], [27:0-4-8,0-0-8]

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	0.61	Vert(LL)	-0.12	25	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.24	25-26	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.06	20	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS		Wind(LL)	0.08	25	>999	240	Weight: 286 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-3-2 max.): 4-13.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 9-20

REACTIONS. All bearings 0-3-8 except (jt=length) 28=0-5-8, 17=0-5-8.
(lb) - Max Horz 2=65(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 17 except 28=-129(LC 12), 20=-127(LC 12), 2=-160(LC 12), 15=-178(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2 except 28=1637(LC 21), 17=522(LC 22), 20=2189(LC 1), 15=397(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-15/860, 3-4=-1074/253, 4-5=-1686/339, 5-6=-1781/327, 6-7=-1781/327, 9-10=-169/1734, 10-11=-169/1734, 11-13=0/553
BOT CHORD 2-28=-751/86, 27-28=-873/113, 26-27=-79/940, 25-26=-168/1686, 23-25=-65/1248, 21-23=-65/1248, 19-20=-553/150
WEBS 3-28=-1270/268, 3-27=-147/1809, 4-27=-396/118, 4-26=-148/917, 5-26=-373/128, 6-25=-279/105, 7-25=-106/626, 7-21=-1373/195, 9-21=-41/783, 9-20=-2071/276, 10-20=-300/108, 11-20=-1407/222, 11-19=-16/460, 13-19=-703/137, 14-17=-402/151

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 3-8-6, Interior(1) 3-8-6 to 12-0-0, Exterior(2) 12-0-0 to 20-0-12, Interior(1) 20-0-12 to 45-0-0, Exterior(2) 45-0-0 to 53-0-12, Interior(1) 53-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 17 except (jt=lb) 28=129, 20=127, 2=160, 15=178.
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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Philip J. ORegan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475322
LMCHADDOCK	A5	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:46 2019 Page 1
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2-0-0	6-5-8	14-0-0	21-3-0	28-6-0	35-9-0	43-0-0	50-6-8	57-0-0	59-0-0
2-0-0	6-5-8	7-6-8	7-3-0	7-3-0	7-3-0	7-3-0	7-6-8	6-5-8	2-0-0

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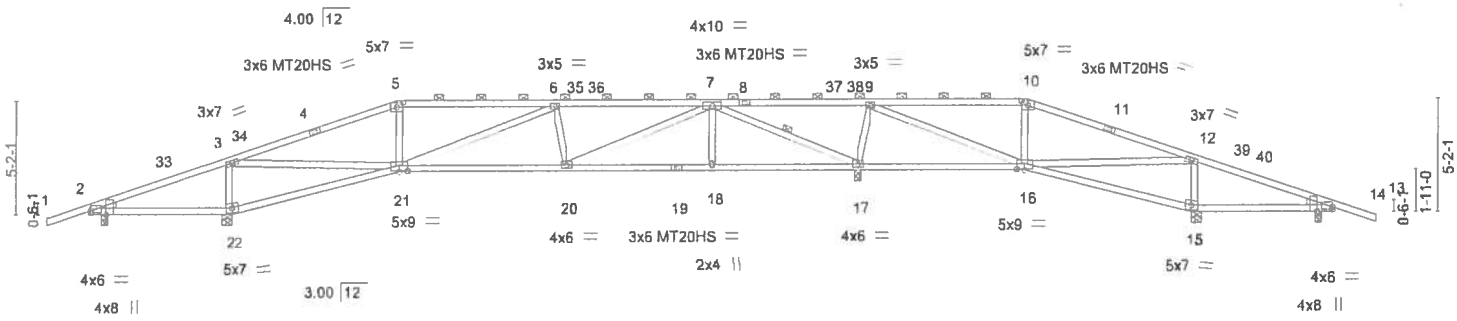

0-6-0	6-2-12	6-5-8	14-1-8	21-9-12	28-6-0	35-2-4	42-10-8	50-6-8	50-9-4	56-6-0	57-0-0
0-6-0	5-8-12	0-2-12	7-8-0	7-8-4	6-8-4	6-8-4	7-8-4	7-8-0	0-2-12	5-8-12	0-6-0

Plate Offsets (X,Y)-- [2:0-2-6,Edge], [2:0-0-0,0-1-7], [5:0-3-8,0-2-5], [10:0-3-8,0-2-5], [13:0-2-6,Edge], [13:0-0-0,0-1-7], [16:0-4-8,0-0-8], [21:0-4-8,0-0-8]

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	0.91	Vert(LL)	-0.13	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.32	20-21	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.07	17	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.09	20-21	>999	240	Weight: 274 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (2-2-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-17

REACTIONS. All bearings 0-3-8 except (jt=length) 22=0-5-8, 15=0-5-8.
(lb) - Max Horz 2=75(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 22=-143(LC 12), 17=-101(LC 12), 2=-153(LC 12), 13=-165(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2 except 22=1610(LC 21), 15=660(LC 22), 17=2125(LC 1), 13=336(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-14/770, 3-5=-1492/279, 5-6=-1341/298, 6-7=-1713/335, 7-9=-95/1477
BOT CHORD 2-22=-660/85, 21-22=-783/115, 20-21=-171/1765, 18-20=-11/747, 17-18=-11/747, 16-17=-1289/243
WEBS 3-22=-1259/306, 3-21=-169/2082, 6-21=-559/114, 6-20=-285/150, 7-20=-145/1068, 7-17=-2396/325, 9-17=-1010/243, 9-16=-190/1383, 10-16=-418/160, 12-15=-493/209

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 3-8-6, Interior(1) 3-8-6 to 14-0-0, Exterior(2) 14-0-0 to 22-0-12, Interior(1) 22-0-12 to 43-0-0, Exterior(2) 43-0-0 to 51-0-12, Interior(1) 51-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 15 except (jt=lb) 22=143, 17=101, 2=153, 13=165.
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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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475323
LMCHADDOCK	A6	Hip	1	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:48 2019 Page 1
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8-1-11	16-0-0	22-3-0	28-6-0	34-9-0	41-0-0	48-10-5	57-0-0	59-0-0
8-1-11	7-10-5	6-3-0	6-3-0	6-3-0	6-3-0	7-10-5	8-1-11	2-0-0

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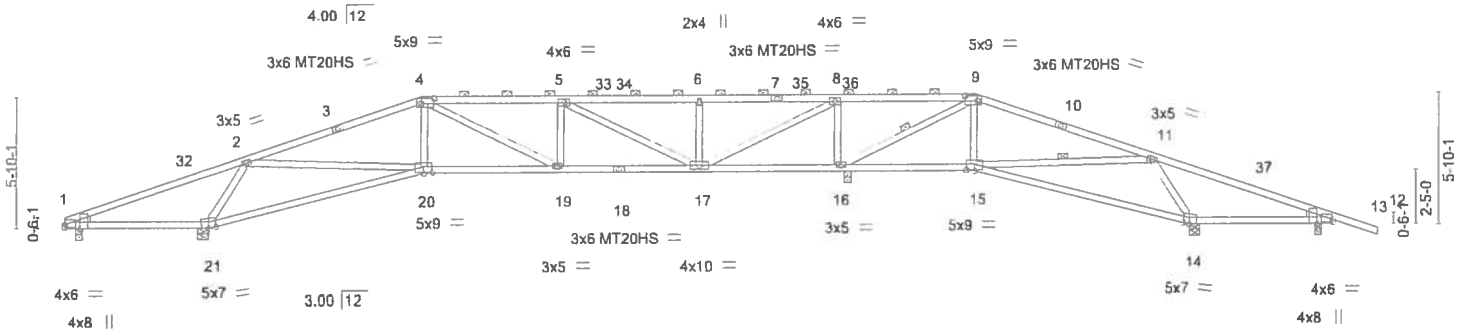

0-6-0	6-2-12	6-5-8	16-1-8	22-3-0	28-6-0	34-9-0	35-4-0	40-10-8	50-6-8	50-9-4	56-6-0	57-0-0
0-6-0	5-8-12	0-2-12	9-8-0	6-1-8	6-3-0	6-3-0	0-7-0	5-6-8	9-8-0	0-2-12	5-8-12	0-6-0

Plate Offsets (X,Y)-- [1:0-2-6,Edge], [1:0-0-0,0-1-7], [4:0-6-12,0-2-12], [9:0-6-12,0-2-12], [12:0-2-6,Edge], [12:0-0-0,0-1-7], [15:0-4-8,0-0-8], [20:0-4-8,0-0-8]

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)	-0.27	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.55	20-21	>618	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.08	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.08	19-20	>999	240	Weight: 272 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-2-4 max.): 4-9.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 9-16, 11-15

REACTIONS. All bearings 0-3-8 except (jt=length) 21=0-5-8, 14=0-5-8.
(lb) - Max Horz 1=-84(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 21, 14 except 16=-136(LC 12), 1=-144(LC 12), 12=-206(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1 except 21=1448(LC 21), 14=606(LC 22), 16=2173(LC 1), 12=406(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/547, 2-4=-1804/379, 4-5=-1641/387, 5-6=-642/181, 6-8=-642/181, 8-9=-123/1386, 9-11=-86/323
BOT CHORD 1-21=-455/0, 20-21=-302/376, 19-20=-169/1637, 17-19=-176/1641, 16-17=-1386/334, 15-16=-276/155, 14-15=-222/311
WEBS 2-21=-1505/346, 2-20=0/1291, 4-20=0/284, 5-17=-1133/230, 6-17=-363/131, 8-17=-340/2216, 8-16=-1392/304, 9-16=-1472/268, 9-15=0/359, 11-15=-342/296, 11-14=-561/201

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 16-0-0, Exterior(2) 16-0-0 to 24-0-12, Interior(1) 24-0-12 to 41-0-0, Exterior(2) 41-0-0 to 48-10-5, Interior(1) 48-10-5 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 21, 14 except (jt=lb) 16=136, 1=144, 12=206.
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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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475324
LMCHADDOCK	A7	Hip	1	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:49 2019 Page 1
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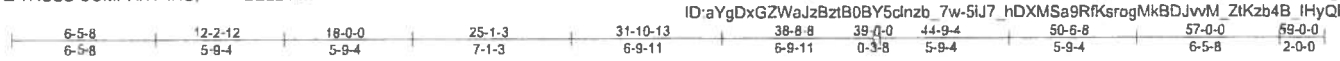

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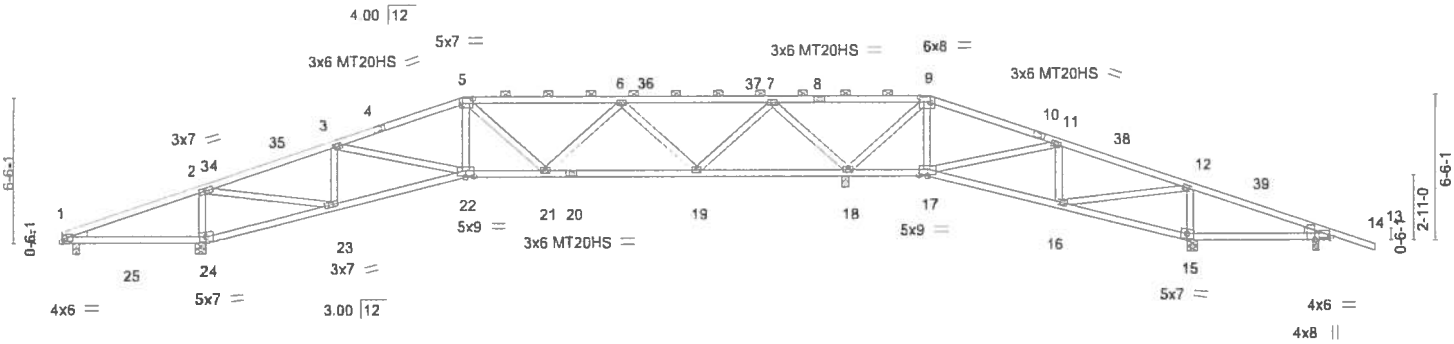

Plate Offsets (X,Y)-- [5:0-5-4,0-2-12], [9:0-5-12,0-2-12], [13:0-2-6,Edge], [13:0-0-0,0-1-7], [17:0-4-8,0-0-8], [22:0-4-8,0-0-8]

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	0.84	Vert(LL)	-0.09	22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.19	22-23	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.05	18	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.06	22	>999	240	Weight: 277 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-2-4 max.): 5-9.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical, 24=0-5-8, 15=0-5-8.
(lb) - Max Horz 1=-93(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 24, 15, 18, 25 except 1=-758(LC 21), 13=-175(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1 except 24=1605(LC 21), 15=556(LC 22), 18=2203(LC 1), 25=735(LC 21), 13=403(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-107/949, 2-3=-1072/251, 3-5=-1599/311, 5-6=-1372/270, 6-7=-529/151, 7-9=-135/1622, 9-11=-38/813, 11-12=-257/208
BOT CHORD 1-25=-843/151, 24-25=-843/151, 23-24=-965/182, 22-23=-118/1002, 21-22=-81/1472, 19-21=-45/1170, 18-19=-368/158, 17-18=-742/240
WEBS 2-24=-1259/260, 2-23=-275/1902, 3-23=-624/187, 3-22=-20/533, 5-22=0/260, 9-17=-17/330, 11-17=-788/228, 12-16=-252/191, 12-15=-441/119, 6-21=0/354, 6-19=-919/205, 7-19=-78/1122, 7-18=-1745/329, 9-18=-1309/257

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 18-0-0, Exterior(2) 18-0-0 to 26-0-12, Interior(1) 26-0-12 to 39-0-0, Exterior(2) 39-0-0 to 47-0-12, Interior(1) 47-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x5 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 15, 18, 25 except (jt=lb) 1=758, 13=175.
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.

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

Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475325
LMCHADDOCK	A8	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

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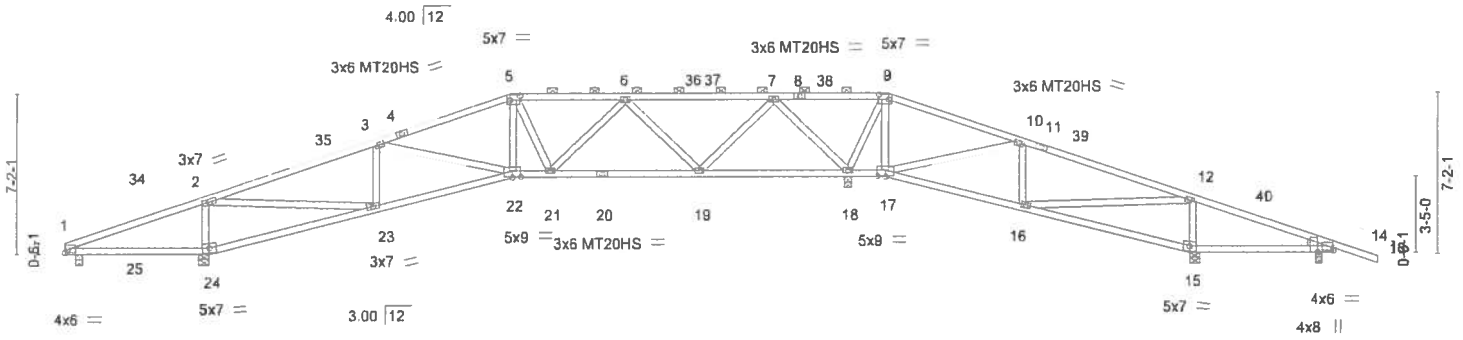
ID:aYgDxGZWaJzBztB0BY5clnzb_7w-15RtPNFnu3qsgzUFyDjqpcJiTj0d1nEG3Ng5M9yQBbg

6-5-8	13-11-12	20-0-0	25-1-14	31-10-2	37-0-0	43-0-4	50-6-8	57-0-0	59-0-0
6-5-8	7-6-4	6-0-4	5-1-14	6-8-4	5-1-14	6-0-4	7-6-4	6-5-8	2-0-0

Scale = 1:100.7



0-3-0	6-2-12	6-5-8	13-11-12	20-1-8	21-9-12	28-6-0	35-2-4	36-10-8	43-0-4	50-6-8	50-9-4	56-6-0	57-0-0
0-3-0	5-8-12	0-2-12	7-6-4	6-1-12	1-8-4	6-8-4	6-8-4	1-8-4	6-1-12	7-6-4	0-2-12	5-8-12	0-5-0

Plate Offsets (X,Y)-- [5:0-5-4,0-2-8], [9:0-5-4,0-2-8], [13:0-2-6,Edge], [13:0-0-0,0-1-7], [17:0-4-8,0-0-8], [22:0-4-8,0-0-8]

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	0.70	Vert(LL)	-0.10	22-23	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.22	22-23	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.06	18	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.06	22-23	>999	240	Weight: 280 lb	FT = 15%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-9-3 max.): 5-9.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical, 24=0-5-8, 15=0-5-8.
(lb) - Max Horz 1=-103(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 24, 15, 18, 25 except 1=-581(LC 21), 13=-170(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 24=1551(LC 21), 15=605(LC 22), 18=2227(LC 1), 25=592(LC 21), 13=370(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-86/770, 2-3=-1464/305, 3-5=-1555/311, 5-6=-1334/290, 6-7=-447/150, 7-9=-114/1592, 9-10=-96/1225, 10-12=-162/410
BOT CHORD 1-25=-667/129, 24-25=-667/129, 23-24=-786/162, 22-23=-162/1371, 21-22=-61/1426, 19-21=-20/1070, 18-19=-450/177, 17-18=-1106/316, 16-17=-395/150
WEBS 2-24=-1227/265, 2-23=-292/2065, 3-23=-484/183, 5-22=-29/357, 9-18=-1047/209, 9-17=-38/286, 10-17=-1084/273, 10-16=0/326, 12-16=-397/137, 12-15=-463/134, 6-21=-9/409, 6-19=-929/192, 7-19=-72/1119, 7-18=-1644/308

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 20-0-0, Exterior(2) 20-0-0 to 28-0-12, Interior(1) 28-0-12 to 37-0-0, Exterior(2) 37-0-0 to 45-0-12, Interior(1) 45-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x5 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 15, 18, 25 except (jt=lb) 1=581, 13=170.
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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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475326
LMCHADDOCK	A9	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

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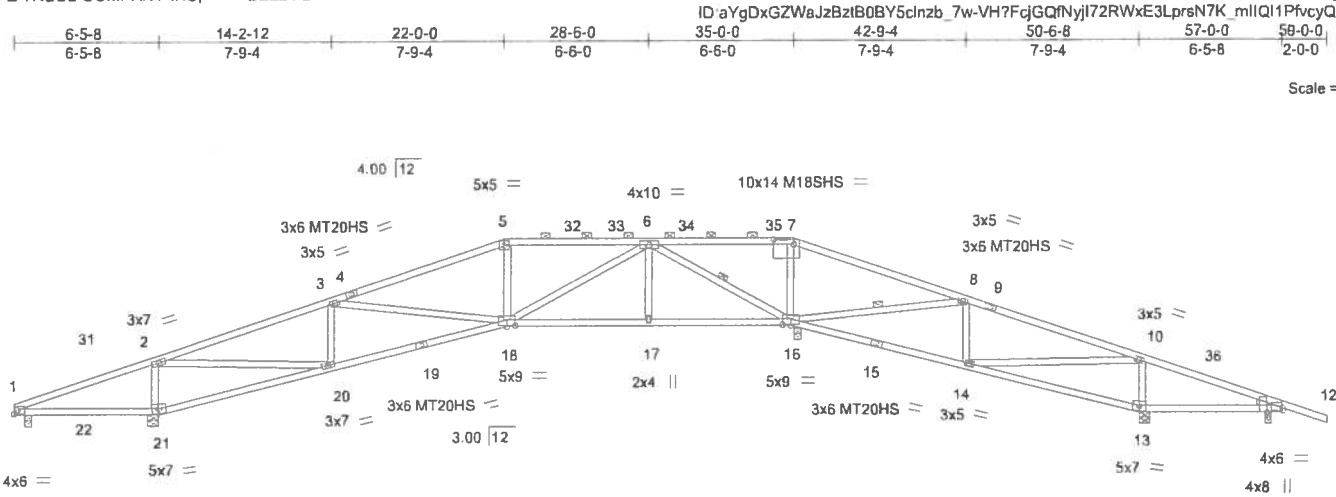

0-5-0	6-2-12	6-5-8	14-2-12	22-1-8	28-6-0	34-10-8	35-4-0	42-9-4	50-6-8	50-9-4	56-6-0	57-0-0
0-5-0	5-8-12	0-2-12	7-9-4	7-10-12	6-4-8	6-4-8	0-5-8	7-5-4	7-9-4	0-2-12	5-8-12	0-5-0

Plate Offsets (X,Y)-- [7:0-11-0,0-2-8], [11:0-2-6,Edge], [11:Edge,0-1-7], [16:0-4-8,0-0-8], [18:0-4-8,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.12	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.30	18-20	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.06	16	n/a	n/a	M18SHS	244/190
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS		Wind(LL)	0.07	18-20	>999	240	Weight: 275 lb	FT = 15%

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

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

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical, 21=0-5-8, 13=0-5-8.
(lb) - Max Horz 1=-112(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 16, 22 except 1=-607(LC 21), 21=-101(LC 12), 13=-109(LC 12), 11=-168(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1 except 21=1570(LC 21), 16=2155(LC 1), 13=695(LC 22), 22=607(LC 21), 11=348(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-91/808, 2-3=-1524/308, 3-5=-1482/299, 5-6=-1332/319, 6-7=-60/1303, 7-8=-111/1411, 8-10=-316/322
BOT CHORD 1-22=-703/135, 21-22=-703/135, 20-21=-823/169, 18-20=-166/1436, 17-18=0/554, 16-17=0/554, 14-16=-311/257
WEBS 2-21=-1238/254, 2-20=-300/2159, 3-20=-473/194, 6-18=-127/945, 6-17=0/255, 6-16=-2000/309, 7-16=-834/206, 8-16=-1347/318, 8-14=0/320, 10-14=-272/325, 10-13=-536/132

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 22-0-0, Exterior(2) 22-0-0 to 30-0-12, Interior(1) 30-0-12 to 35-0-0, Exterior(2) 35-0-0 to 42-9-4, Interior(1) 42-9-4 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 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) 16, 22 except (jt=lb) 1=607, 21=101, 13=109, 11=168.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 16.
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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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475327
LMCHADDOCK	A10	Hip	1	1	Job Reference (optional)	

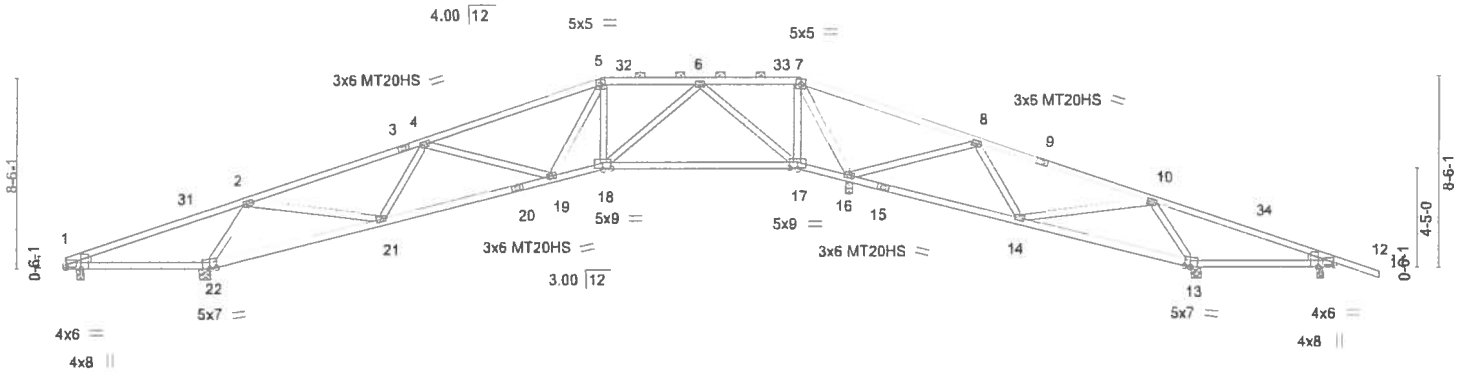
SANTA FE TRUSS COMPANY INC, BELL FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:21 2019 Page 1

ID:aYgDxGZWaJzBztB0BY5clnzb_7w-vKdX67uzyr274MBUCwAobH3YHdlV?Ays9jPWKvyQBc8

8-2-5	16-1-2	24-0-0	28-6-0	33-0-0	40-10-14	48-9-11	57-0-0	59-0-0
8-2-5	7-10-14	7-10-14	4-6-0	4-6-0	7-10-14	7-10-14	8-2-5	2-0-0

Scale = 1:100.7



0-5-0	6-2-12	6-5-8	14-1-10	21-9-12	24-1-8	32-10-8	35-2-4	42-10-6	50-6-8	50-9-4	56-6-0	57-0-0
0-5-0	5-8-12	0-2-12	7-8-2	7-8-2	2-3-12	8-9-0	2-3-12	7-8-2	7-8-2	0-2-12	5-8-12	0-5-0

Plate Offsets (X,Y)-- [1:0-0-0,0-1-7], [1:0-2-6,Edge], [11:0-2-6,Edge], [11:0-0-0,0-1-7], [17:0-4-8,0-0-8], [18:0-4-8,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.19	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.41	17-18	>849	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.08	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.07	22-25	>999	240	Weight: 278 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-0-15 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. All bearings Mechanical except (jt=length) 22=0-5-8, 13=0-5-8, 16=0-3-8, 11=0-3-8.
(lb) - Max Horz 1=-121(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 22, 13, 16 except 11=-200(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 1 except 22=1559(LC 21), 13=524(LC 22), 16=2236(LC 1), 11=476(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-77/766, 2-4=-1509/291, 4-5=-1483/316, 5-6=-1193/310, 6-7=0/568, 7-8=-127/1566, 8-10=-300/337
BOT CHORD 1-22=-645/133, 19-21=-222/1640, 18-19=-13/1243, 17-18=0/499, 16-17=-620/286, 14-16=-534/123, 13-14=-217/424
WEBS 2-22=-1614/305, 2-21=-93/1199, 4-21=-456/188, 4-19=-281/174, 5-19=-56/306, 6-18=-109/948, 6-17=-1303/259, 7-17=-26/835, 7-16=-1846/227, 8-16=-1301/362, 8-14=0/515, 10-14=-398/229, 10-13=-545/126

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 24-0-0, Exterior(2) 24-0-0 to 32-0-12, Interior(1) 32-0-12 to 33-0-0, Exterior(2) 33-0-0 to 40-10-14, Interior(1) 40-10-14 to 59-0-0 zone; cantilever left and right exposed ; 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x5 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 22, 13, 16 except (jt=lb) 11=200.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 16.
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.
12) 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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Philip J. ORegan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475328
LMCHADDOCK	A11	Hip	1	1	Job Reference (optional)

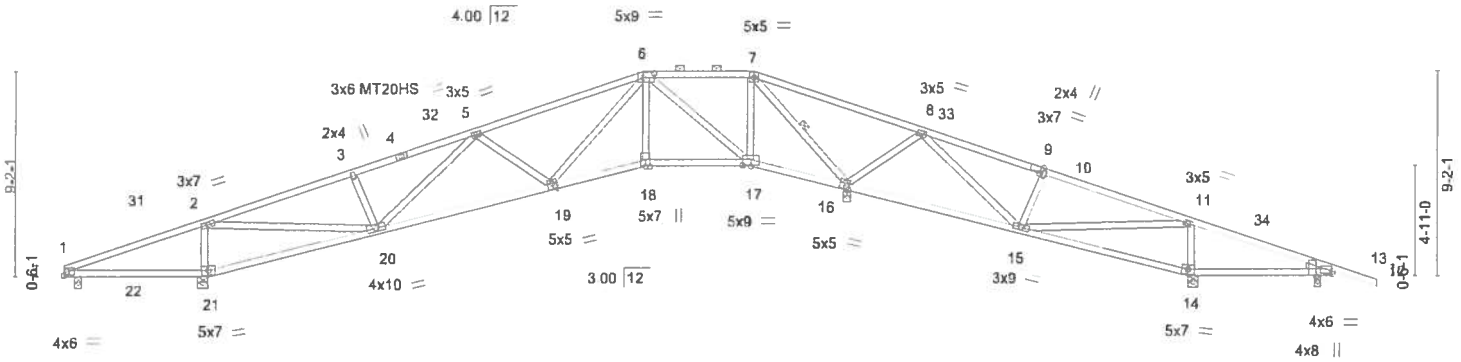
SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:23 2019 Page 1

ID:aYgDxGZWaJzBztB0BY5clnzb_7w-sillXovDUSlrJgLsJLDGgl8v3QSaT6P8d1ucOnyQBc6

6-5-8	12-11-11	18-5-13	26-0-0	31-0-0	38-6-3	44-0-5	50-6-8	57-0-0	59-0-0
6-5-8	6-6-3	5-6-2	7-6-3	5-0-0	7-6-3	5-6-2	6-6-3	6-5-8	2-0-0

Scale = 1:100.7



0-8-0	6-2-12	6-5-8	13-11-14	21-9-12	26-1-8	30-10-8	35-2-4	43-0-1	50-6-8	50-9-4	56-6-0	57-0-0
0-8-0	5-8-12	0-2-12	7-6-7	7-9-14	4-3-12	4-9-0	4-3-12	7-9-13	7-6-6	0-2-12	5-8-12	0-5-0

Plate Offsets (X,Y)-- [6:0-6-0,0-2-8], [9:0-1-11,Edge], [12:0-2-6,Edge], [12:0-0-0,0-1-7], [16:0-2-8,0-3-0], [17:0-4-8,0-0-8], [19:0-2-8,0-3-0]

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	0.73	Vert(LL)	-0.11	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.28	19-20	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.07	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.07	19-20	>999	240	Weight: 284 lb	FT = 15%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-16

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical, 21=0-5-8, 14=0-5-8.
(lb) - Max Horz 1=-131(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 21, 16, 22 except 1=-617(LC 21), 14=-106(LC 12), 12=-171(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1 except 21=1550(LC 21), 14=637(LC 22), 16=2207(LC 1), 22=628(LC 21), 12=394(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-76/793, 2-3=-1510/255, 3-5=-1357/267, 5-6=-1356/301, 7-8=-94/1624, 8-10=-244/341, 10-11=-397/296
BOT CHORD 1-22=-691/120, 21-22=-691/120, 20-21=-810/151, 19-20=-171/1536, 18-19=0/859, 17-18=0/836, 15-16=-832/202
WEBS 2-21=-1223/238, 2-20=-239/2138, 3-20=-307/110, 5-20=-325/130, 5-19=-335/189, 6-19=-115/637, 6-18=0/292, 6-17=-1171/194, 7-17=-19/783, 7-16=-2079/219, 8-16=-988/286, 8-15=-68/877, 10-15=-319/115, 11-15=-314/315, 11-14=-505/125

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 26-0-0, Exterior(2) 26-0-0 to 39-0-12, Interior(1) 39-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 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) 21, 16, 22 except (jt=lb) 1=617, 14=106, 12=171.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 16.
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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Philip J. ORegan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

October 24,2019

MiTek

6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475329
LMCHADDOCK	A12	Hip	2	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

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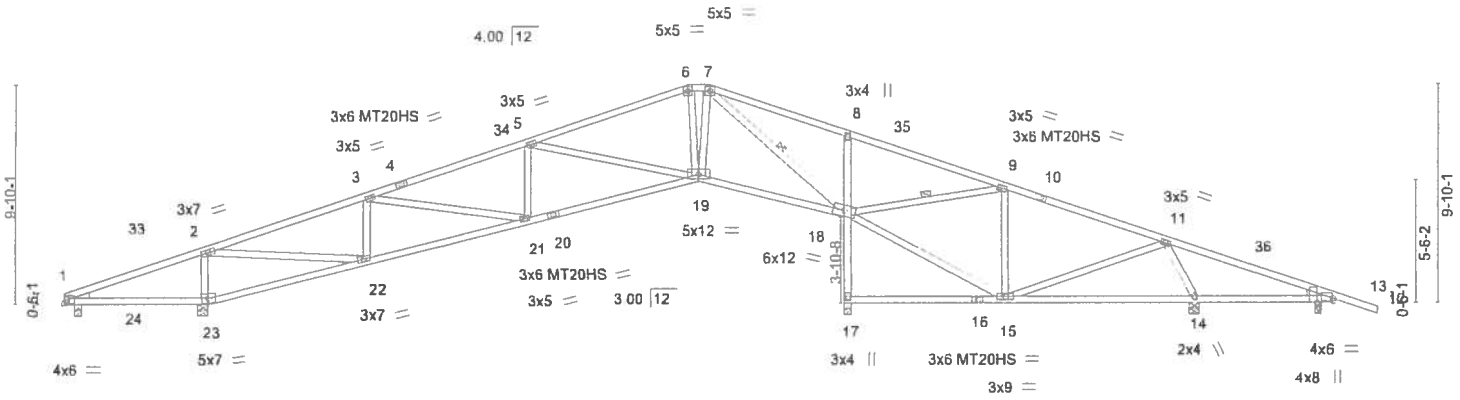
ID:aYgDxGZWaJzBztB0BY5clnzb_7w-o5s2xUxU04YYZzUFRmFkl7EH3E7Gxy6R4LNjTgyQBc4

6-5-8	13-7-3	20-9-13	28-0-0	29-0-0	35-0-8	42-3-3	49-5-14	57-0-0	59-0-0
6-5-8	7-1-11	7-2-10	7-2-3	1-0-0	6-0-8	7-2-11	7-2-11	7-6-2	2-0-0

Scale = 1:100.7



0-6-0	6-2-12	6-5-8	13-7-3	20-9-13	28-6-0	35-0-8	35-2-4	42-3-3	50-9-4	56-6-0	57-0-0
0-5-0	5-8-12	0-2-12	7-1-11	7-2-10	7-8-3	6-6-8	0-1-12	7-0-15	8-6-1	5-8-12	0-5-0

Plate Offsets (X,Y)-- [12:0-0-0,0-1-7], [12:0-2-6,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	0.64	Vert(LL)	-0.12	19-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.29	19-21	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.09	14	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS		Wind(LL)	0.08	21-22	>999	240	Weight: 304 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-18, 9-18

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical, 23=0-5-8, 14=0-5-8.
(lb) - Max Horz 1=-140(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 23, 17, 14, 24 except 1=-722(LC 17), 12=-197(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 23=1659(LC 1), 17=2079(LC 1), 14=682(LC 22), 24=673(LC 1), 12=405(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-59/974, 2-3=-1379/219, 3-5=-1673/293, 5-6=-720/126, 6-7=-602/138, 7-8=0/1124, 8-9=-53/1151, 9-11=-360/150
BOT CHORD 1-24=-862/104, 23-24=-862/104, 22-23=-990/133, 21-22=-79/1297, 19-21=-80/1588, 18-19=0/529, 17-18=-2020/280, 8-18=-434/221, 14-15=-163/284
WEBS 2-23=-1290/223, 2-22=-185/2189, 3-22=-563/149, 3-21=0/286, 5-19=-951/258, 7-19=-78/997, 7-18=-2043/105, 15-18=-136/313, 9-18=-1151/234, 9-15=0/302, 11-14=-572/111

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 28-0-0, Exterior(2) 28-0-0 to 37-0-12, Interior(1) 37-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 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) 23, 17, 14, 24 except (jt=lb) 1=722, 12=197.
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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Philip J. ORegan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

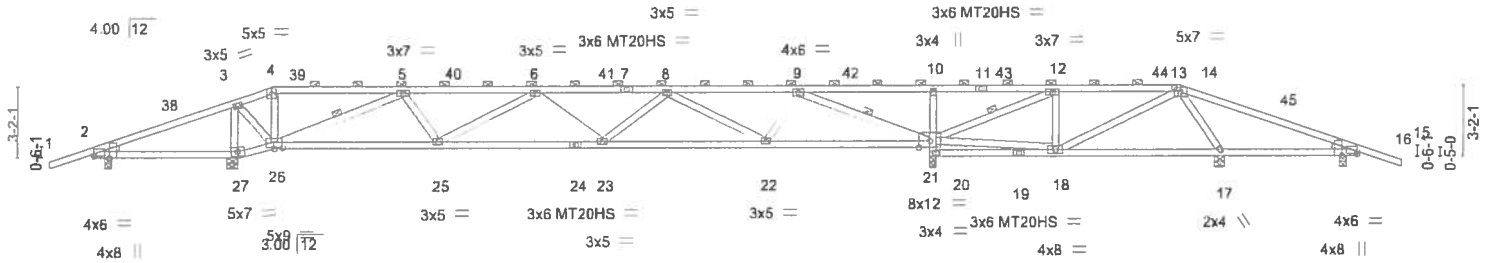
Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475330
LMCHADDOCK	A13	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:26 2019 Page 1

ID:aYgDxGZWaJzBztB0BY5clnzb_7w-GHQQ9qx6nNgPB73R_TmzlKmOaeSTgVBbJ?6G?6yQBc3

2-0-0	6-5-8	6-0-0	13-11-5	19-10-9	25-9-14	31-9-3	37-8-8	43-4-4	49-0-0	57-0-0	59-0-0
2-0-0	6-5-8	1-6-8	5-11-5	5-11-5	5-11-5	5-11-5	5-11-5	5-7-12	5-7-12	8-0-0	2-0-0

Scale = 1:101.1



0-6-0	6-2-12	6-5-8	15-6-4	22-11-0	30-3-12	37-8-8	37-10-4	43-4-4	50-9-4	56-6-0	57-0-0
0-6-0	5-8-12	0-2-12	7-4-12	7-4-12	7-4-12	7-4-12	0-1-12	5-5-0	7-5-0	5-8-12	0-6-0

8-1-8

1-8-0

Plate Offsets (X,Y)-- [2:0-2-6,Edge], [2:0-0-0,0-1-7], [13:0-2-0,0-0-0], [14:0-3-8,0-2-5], [14:0-0-0,0-1-12], [15:Edge,0-1-7], [15:0-2-6,Edge], [26:0-4-8,0-0-8]

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	0.84	Vert(LL)	-0.18	23	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.39	23-25	>973	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.07	20	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.13	23	>999	240	Weight: 279 lb	FT = 15%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-8-7 max.): 4-14.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-26, 9-21, 12-21

REACTIONS. All bearings 0-3-8 except (jt=length) 27=0-5-8, 17=0-5-8.
(lb) - Max Horz 2=47(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 17 except 27=-153(LC 12), 2=-381(LC 22), 20=-158(LC 12), 15=-219(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 17 except 27=1967(LC 1), 20=2286(LC 1), 15=477(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-109/1409, 3-4=-4/589, 4-5=-0/586, 5-6=-1688/299, 6-8=-2164/318, 8-9=-924/149, 9-10=-216/2097, 10-12=-208/2091, 12-13=0/462, 13-14=-172/358, 14-15=-218/387
BOT CHORD 2-27=-1297/176, 26-27=-1437/208, 25-26=-183/1396, 23-25=-267/2223, 22-23=-212/1934, 21-22=-11/512, 20-21=-2236/363, 10-21=-377/132, 18-20=-286/3, 15-17=-274/148
WEBS 3-27=-1448/185, 3-26=-88/1168, 4-26=-319/79, 5-26=-2136/341, 5-25=0/563, 6-25=-620/121, 8-23=0/375, 8-22=-1156/226, 9-22=-16/814, 9-21=-2797/377, 12-21=-1817/332, 12-18=-37/465, 13-18=-631/280

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 3-8-6, Interior(1) 3-8-6 to 8-0-0, Exterior(2) 8-0-0 to 16-0-12, Interior(1) 16-0-12 to 49-0-0, Exterior(2) 49-0-0 to 57-0-0, Interior(1) 57-0-0 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) Bearing at joint(s) 20 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) 17 except (jt=lb) 27=153, 2=381, 20=158, 15=219.
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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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475331
LMCHADDOCK	A14	Hip	1	1	Job Reference (optional)	

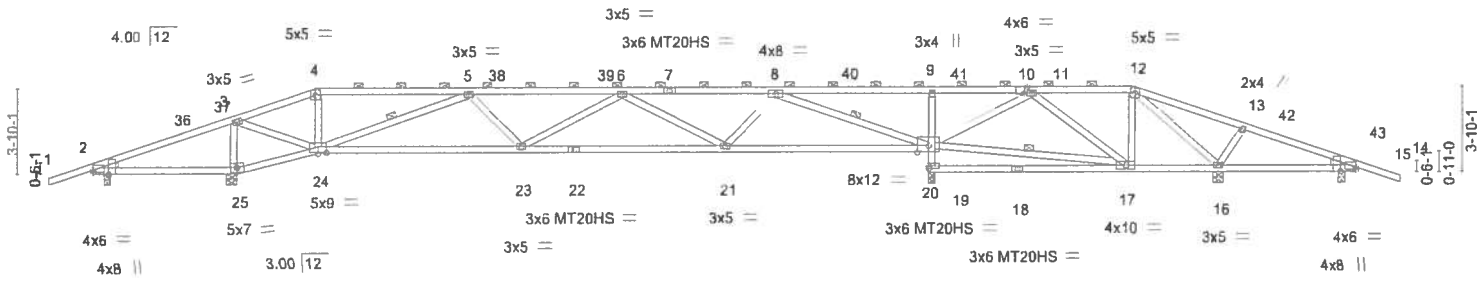
SANTA FE TRUSS COMPANY INC, BELL FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:28 2019 Page 1

ID:aYgDxGZWaJzBztB0BY5dnzb_7w-CgYBaWzMJ?w7QRDq6uoRNlsjDR4R8MVtmIbN3?yQBc1

2-0-0	6-5-8	10-0-0	16-11-2	23-10-4	30-9-6	37-8-8	42-4-4	47-0-0	51-10-5	57-0-0	59-0-0
2-0-0	6-5-8	3-6-8	6-11-2	6-11-2	6-11-2	6-11-2	4-7-12	4-7-12	4-10-5	5-1-11	2-0-0

Scale = 1:101.1



0-6-0	6-2-12	6-5-8	10-1-8	19-3-13	28-6-2	37-8-8	37-10-4	47-0-0	50-9-4	56-6-0	57-0-0
0-5-0	5-8-12	0-2-12	3-8-0	9-2-5	9-2-5	9-2-5	0-1-12	9-1-12	3-9-4	5-8-12	0-5-0

Plate Offsets (X,Y)-- [2:0-2-6,Edge], [2:0-0-0,0-1-7], [10:0-1-12,Edge], [14:0-0-0,0-1-7], [14:0-2-6,Edge], [24:0-4-8,0-0-8]

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	0.90	Vert(LL)	-0.21	23-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.49	23-24	>769	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.07	19	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.13	21-23	>999	240	Weight: 287 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (2-2-0 max.): 4-12.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-24, 8-20, 17-20

REACTIONS. All bearings 0-3-8 except (jt=length) 25=0-5-8, 16=0-5-8.
(lb) - Max Horz 2=56(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 25=-147(LC 12), 19=-123(LC 12), 2=-306(LC 22), 14=-147(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 25=1890(LC 21), 19=2261(LC 1), 16=369(LC 22), 14=364(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-80/1260, 3-4=-413/185, 4-5=-342/188, 5-6=-2100/327, 6-8=-1316/191, 8-9=-201/1969, 9-11=-198/1997
BOT CHORD 2-25=-1141/149, 24-25=-1268/179, 23-24=-251/1939, 21-23=-232/2072, 20-21=-43/792, 19-20=-2178/346, 9-20=-377/136
WEBS 3-25=-1434/233, 3-24=-151/1669, 5-24=-1733/296, 5-23=0/382, 6-21=-870/223, 8-21=0/814, 8-20=-2938/421, 17-20=-644/110, 11-20=-1486/255, 11-17=-58/768, 12-17=-280/133, 13-16=-287/185

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 3-8-6, Interior(1) 3-8-6 to 10-0-0, Exterior(2) 10-0-0 to 18-0-12, Interior(1) 18-0-12 to 47-0-0, Exterior(2) 47-0-0 to 55-0-12, Interior(1) 55-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 16 except (jt=lb) 25=147, 19=123, 2=306, 14=147.
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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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475332
LMCHADDOCK	A15	Hip	1	1	Job Reference (optional)	

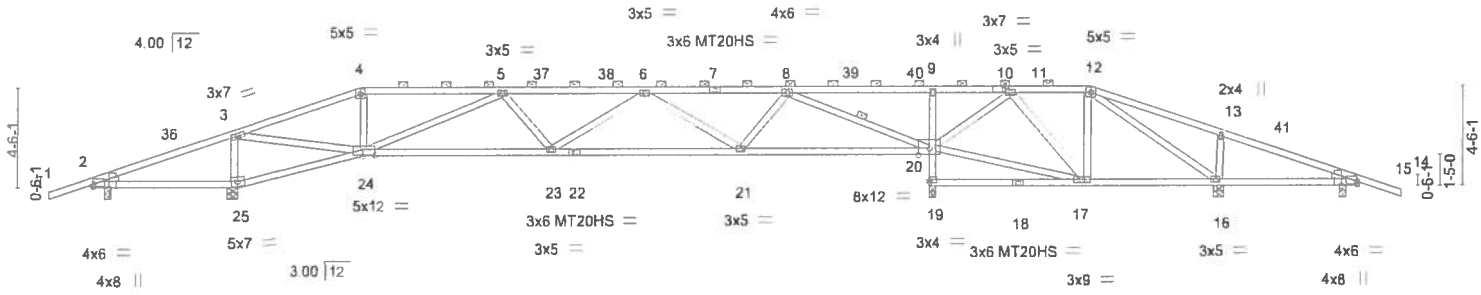
SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:30 2019 Page 1

ID:aYgDxGZWaJzBztB0BY5clnzb_7w-92gx?C7crcBrflNCDJrvSAx4wFoHcDIAEc4U8tyQBc?

2-0-0	6-5-8	12-0-0	18-5-2	24-10-4	31-3-6	37-8-8	41-4-4	45-0-0	50-10-5	57-0-0	59-0-0
2-0-0	6-5-8	5-6-8	6-5-2	6-5-2	6-5-2	6-5-2	3-7-12	3-7-12	5-10-5	6-1-11	2-0-0

Scale = 1:101.1



0-6-0	6-2-12	6-5-8	12-1-8	20-7-13	29-2-2	37-8-8	37-10-4	45-0-0	50-9-4	56-6-0	57-0-0
0-5-0	5-8-12	0-2-12	5-8-0	8-6-5	8-6-5	8-6-5	0-1-12	7-1-12	5-9-4	5-8-12	0-6-0

Plate Offsets (X,Y)-- [2:0-2-6,Edge], [2:0-0-0,0-1-7], [10:0-1-12,0-1-8], [14:0-0-0,0-1-7], [14:0-2-6,Edge], [24:0-6-12,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.18	23-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.42	23-24	>893	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.08	19	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.11	23	>999	240	Weight: 289 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-9-7 max.): 4-12.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-20

REACTIONS. All bearings 0-3-8 except (jt=length) 25=0-5-8, 16=0-5-8.
(lb) - Max Horz 2=65(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 25=-146(LC 12), 19=-120(LC 12), 2=-224(LC 22), 14=-160(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 25=1815(LC 21), 19=2296(LC 1), 16=355(LC 22), 14=366(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-56/1093, 3-4=-1093/245, 4-5=-977/256, 5-6=-2049/340, 6-8=-1071/186, 8-9=-172/1950, 9-11=-169/1979, 11-12=0/367
BOT CHORD 2-25=-968/125, 24-25=-1104/155, 23-24=-239/2007, 21-23=-194/1858, 20-21=-9/562, 19-20=-2238/335, 9-20=-345/133, 16-17=-315/109
WEBS 3-25=-1391/283, 3-24=-184/2057, 5-24=-1181/218, 6-23=0/330, 6-21=-939/213, 8-21=-10/849, 8-20=-2719/383, 17-20=-836/169, 11-20=-1459/232, 11-17=-116/927, 12-17=-444/155, 12-16=-137/339, 13-16=-363/217

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 3-8-6, Interior(1) 3-8-6 to 12-0-0, Exterior(2) 12-0-0 to 20-0-12, Interior(1) 20-0-12 to 45-0-0, Exterior(2) 45-0-0 to 53-0-12, Interior(1) 53-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 16 except (jt=lb) 25=146, 19=120, 2=224, 14=160.
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.

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

Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475333
LMCHADDOCK	A16	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

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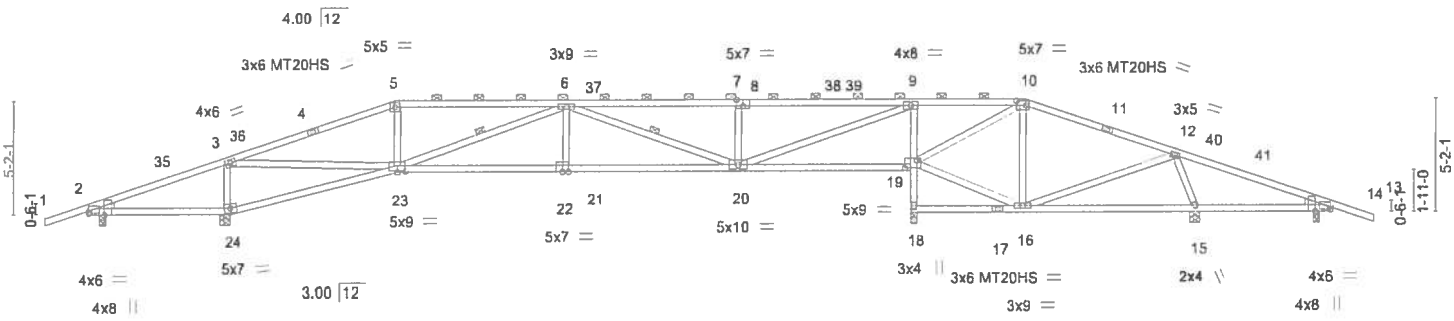

0-6-0	6-2-12	6-5-8	14-1-8	21-10-13	29-9-10	37-8-8	37-10-4	43-0-0	50-9-4	56-6-0	57-0-0
0-6-0	5-8-12	0-2-12	7-8-0	7-9-5	7-10-13	7-10-13	0-1-12	5-1-12	7-9-4	5-8-12	0-6-0

Plate Offsets (X,Y)-- [2:0-2-6,Edge], [2:0-0-0,0-1-7], [7:0-1-12,0-0-0], [8:0-3-8,Edge], [8:0-0-0,0-1-12], [10:0-5-4,0-2-8], [13:0-0-0,0-1-7], [13:0-2-6,Edge], [19:0-6-12,0-4-0], [21:0-1-12,0-0-0], [22:0-0-0,0-1-12], [23:0-4-8,0-0-8]

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	0.80	Vert(LL)	-0.20	21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.43	21-23	>883	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.07	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.14	21	>999	240	Weight: 287 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-8-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-23, 6-20

REACTIONS. All bearings 0-3-8 except (jt=length) 24=0-5-8, 15=0-5-8.
(lb) - Max Horz 2=75(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 24=-154(LC 12), 18=-118(LC 12), 2=-204(LC 22), 13=-187(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 24=1870(LC 21), 18=2178(LC 1), 15=428(LC 22), 13=377(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-53/1093, 3-5=-1593/291, 5-6=-1437/309, 6-7=-1249/253, 7-9=-1249/253, 9-10=-112/1596, 10-12=0/382
BOT CHORD 2-24=-963/122, 23-24=-1106/155, 21-23=-215/2210, 20-21=-215/2210, 19-20=-1541/295, 18-19=-2144/316, 9-19=-1463/310
WEBS 3-24=-1427/325, 3-23=-221/2492, 6-23=-933/146, 6-21=0/320, 6-20=-1028/166, 7-20=-470/173, 9-20=-376/2967, 16-19=-324/128, 10-19=-1554/270, 10-16=-8/406, 12-16=-326/211, 12-15=-285/125

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 3-8-6, Interior(1) 3-8-6 to 14-0-0, Exterior(2) 14-0-0 to 21-10-13, Interior(1) 21-10-13 to 43-0-0, Exterior(2) 43-0-0 to 51-0-12, Interior(1) 51-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 15 except (jt=lb) 24=154, 18=118, 2=204, 13=187.
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.

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

Philip J. ORegan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475334
LMCHADDOCK	A17	Hip	1	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

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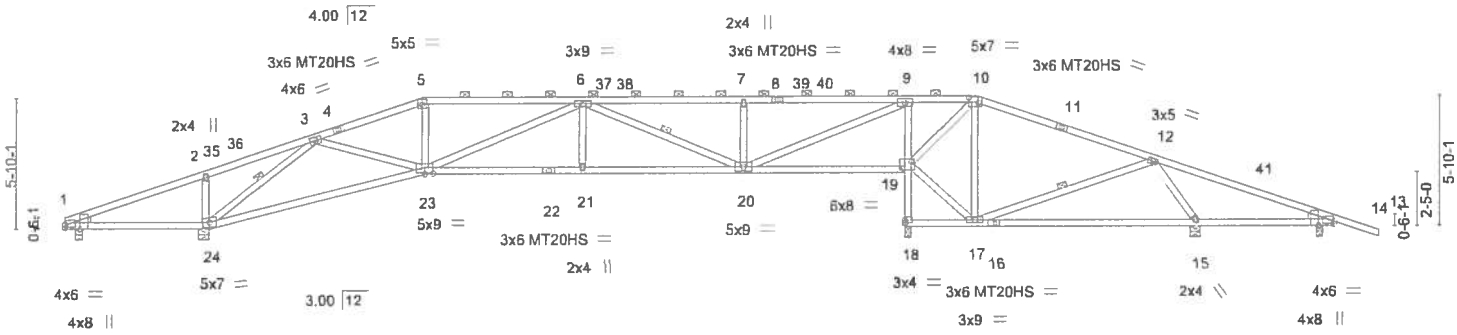

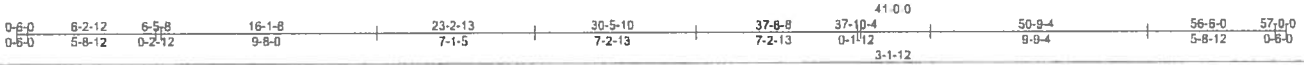

Plate Offsets (X,Y)-- [1:0-2-6,Edge], [1:0-0-0,0-1-7], [10:0-5-4,0-2-12], [13:0-2-6,Edge], [13:0-0-0,0-1-7], [19:0-6-4,0-4-8], [23:0-4-8,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.27	23-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.56	23-24	>673	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.09	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.12	21	>999	240	Weight: 288 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-6-12 max.): 5-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-24, 6-20, 12-17

REACTIONS. All bearings 0-3-8 except (jt=length) 24=0-5-8, 15=0-5-8.
(lb) - Max Horz 1=-84(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 24=-121(LC 12), 18=-130(LC 12), 1=-246(LC 22), 13=-211(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 24=1852(LC 21), 18=2180(LC 1), 15=426(LC 22), 13=396(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/989, 2-3=0/973, 3-5=-1877/383, 5-6=-1752/388, 6-7=-1078/258, 7-9=-1078/258, 9-10=-120/1524, 10-12=0/507
BOT CHORD 1-24=-866/26, 23-24=-236/844, 21-23=-229/2099, 20-21=-229/2099, 19-20=-1468/320, 18-19=-2203/309, 9-19=-1431/299
WEBS 2-24=-428/185, 3-24=-2194/328, 3-23=0/1005, 5-23=0/311, 6-23=-541/80, 6-21=0/275, 6-20=-1115/205, 7-20=-434/166, 9-20=-387/2751, 17-19=-550/205, 10-19=-1590/317, 10-17=-95/680, 12-17=-534/293, 12-15=-275/118

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 16-0-0, Exterior(2) 16-0-0 to 24-0-12, Interior(1) 24-0-12 to 41-0-0, Exterior(2) 41-0-0 to 48-10-5, Interior(1) 48-10-5 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 15 except (jt=lb) 24=121, 18=130, 1=246, 13=211.
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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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475335
LMCHADDOCK	A18	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

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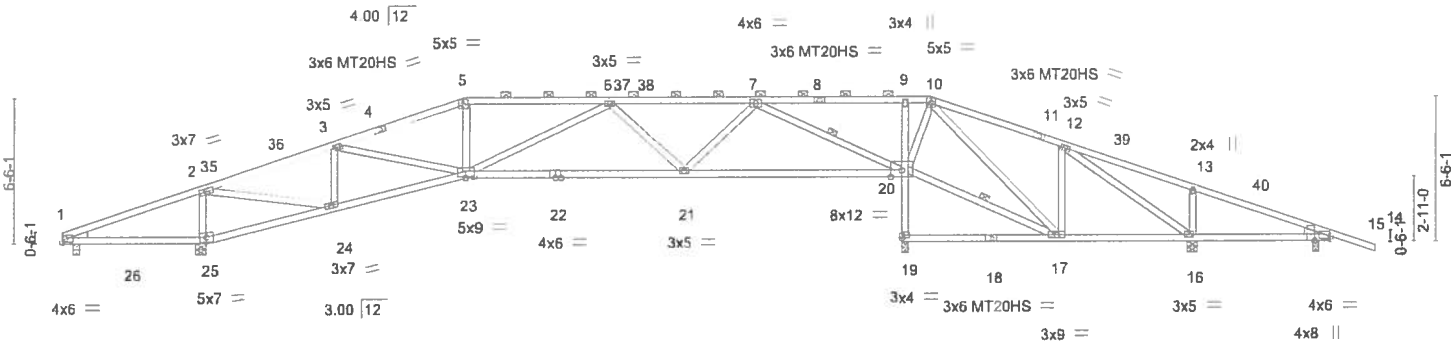
ID:aYgDxGZWaJzBztB0BY5clnzb_7w-V0Tq2v2lf8p8mWFA0sQ49EeyBGWbHaEvNuoFo5yQBbw

6-5-8	12-2-12	18-0-0	24-6-13	31-1-10	37-8-8	39-0-0	44-10-14	50-9-11	57-0-0	59-0-0
6-5-8	5-9-4	5-9-4	6-6-13	6-6-13	6-6-13	1-3-8	5-10-14	5-10-14	6-2-5	2-0-0

Scale = 1:100.7



0-5-0	6-2-12	6-5-8	12-2-12	18-1-8	27-11-0	37-8-8	37-10-4	44-10-14	50-9-4	56-6-0	57-0-0
0-5-0	5-8-12	0-2-12	5-9-4	5-10-12	9-9-8	9-9-8	0-1-12	7-0-10	5-10-6	5-8-12	0-6-0

Plate Offsets (X,Y)-- [14:0-2-6,Edge], [14:0-0-0,0-1-7], [23:0-4-8,0-0-8]

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)	-0.22	21-23	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.51	21-23	>745	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.07	19	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.09	21-23	>999	240	Weight: 297 lb	FT = 15%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
20-22: 2x4 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-11-4 max.): 5-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-20, 17-20

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical, 25=0-5-8, 16=0-5-8.
(lb) - Max Horz 1=-93(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 19, 26 except 1=-958(LC 21), 25=-113(LC 12), 16=-108(LC 12), 14=-157(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1 except 25=1854(LC 21), 19=2170(LC 1), 16=483(LC 22), 26=822(LC 21), 14=353(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-166/1292, 2-3=-1067/255, 3-5=-1864/342, 5-6=-1723/352, 6-7=-1319/255, 7-9=-56/1360, 9-10=-50/1393, 10-12=-9/383
BOT CHORD 1-26=-1168/206, 25-26=-1168/206, 24-25=-1311/240, 23-24=-121/1000, 21-23=-151/1732, 20-21=-20/712, 19-20=-2109/319, 9-20=-369/151, 16-17=-333/95
WEBS 2-25=-1418/289, 2-24=-337/2235, 3-24=-771/202, 3-23=-49/798, 5-23=0/313, 6-21=-582/188, 7-21=0/870, 7-20=-2297/355, 17-20=-1148/266, 10-20=-1187/240, 10-17=-258/1266, 12-17=-378/211, 12-16=-56/293, 13-16=-348/137

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 18-0-0, Exterior(2) 18-0-0 to 26-0-12, Interior(1) 26-0-12 to 39-0-0, Exterior(2) 39-0-0 to 47-0-12, Interior(1) 47-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 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) 19, 26 except (jt=lb) 1=958, 25=113, 16=108, 14=157.
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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Philip J. O'Regan PE No 58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475336
LMCHADDOCK	A19	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

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6-5-8	13-2-12	20-0-0	27-6-4	35-0-8	37-0-0	43-6-14	50-9-4	57-0-0	59-0-0
6-5-8	6-9-4	6-9-4	7-6-4	7-6-4	1-11-8	6-6-14	7-2-6	6-2-12	2-0-0

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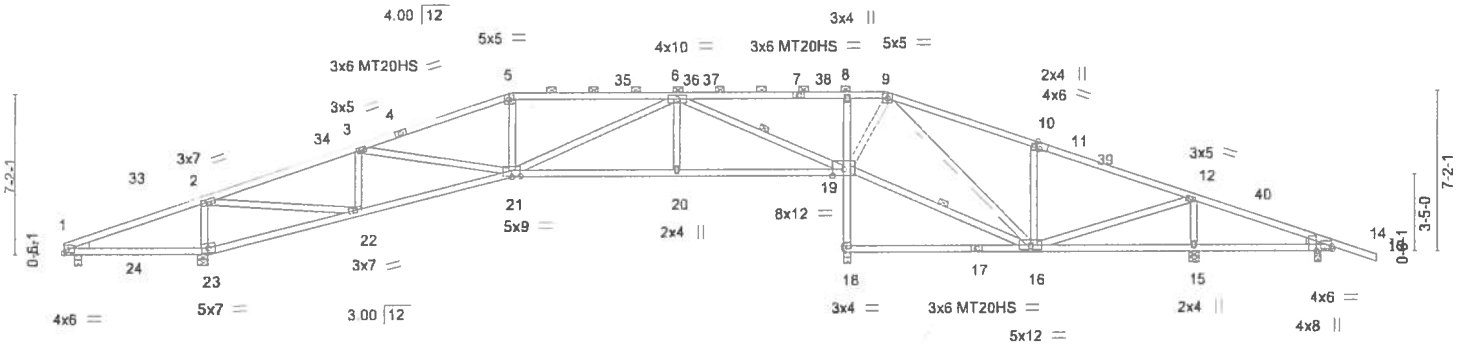

0-6-0	6-2-12	6-5-8	13-2-12	20-1-8	27-6-4	35-0-8	35-2-4	43-6-14	50-9-4	56-6-0	57-0-0
0-6-0	5-8-12	0-2-12	6-9-4	6-10-12	7-4-12	7-6-4	0-1-12	8-4-10	7-2-6	5-8-12	0-6-0

Plate Offsets (X,Y)-- [11:0-1-15,Edge], [13:0-2-6,Edge], [13:0-0-0,0-1-7], [21:0-4-8,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.12	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.26	20-21	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.06	18	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.08	21	>999	240	Weight: 301 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-10-11 max.): 5-9.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-19, 16-19

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical, 23=0-5-8, 15=0-5-8.
(lb) - Max Horz 1=-103(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 18, 24 except 1=-764(LC 21), 23=-105(LC 12), 15=-110(LC 12), 13=-163(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1 except 23=1668(LC 21), 18=2070(LC 1), 15=695(LC 22), 24=709(LC 21), 13=356(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-124/1014, 2-3=-1293/286, 3-5=-1655/324, 5-6=-1510/339, 6-8=-16/1094, 8-9=-19/1137, 9-10=-303/268, 10-12=-301/172
BOT CHORD 1-24=-902/166, 23-24=-902/166, 22-23=-1030/199, 21-22=-150/1215, 20-21=-3/939, 19-20=-3/939, 18-19=-1993/319, 8-19=-365/157
WEBS 2-23=-1295/267, 2-22=-319/2155, 3-22=-588/197, 3-21=0/443, 6-21=-91/641, 6-20=0/325, 6-19=-2203/299, 16-19=-793/218, 9-19=-1080/244, 9-16=-240/1122, 10-16=-442/227, 12-16=-75/271, 12-15=-564/133

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 20-0-0, Exterior(2) 20-0-0 to 28-0-12, Interior(1) 28-0-12 to 37-0-0, Exterior(2) 37-0-0 to 45-0-12, Interior(1) 45-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 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) 18, 24 except (jt=lb) 1=764, 23=105, 15=110, 13=163.
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 ORegan, Philip, using a Digital Signature. Printed copies of this document are not conside signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475337
LMCHADDOCK	A20	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:40 2019 Page 1
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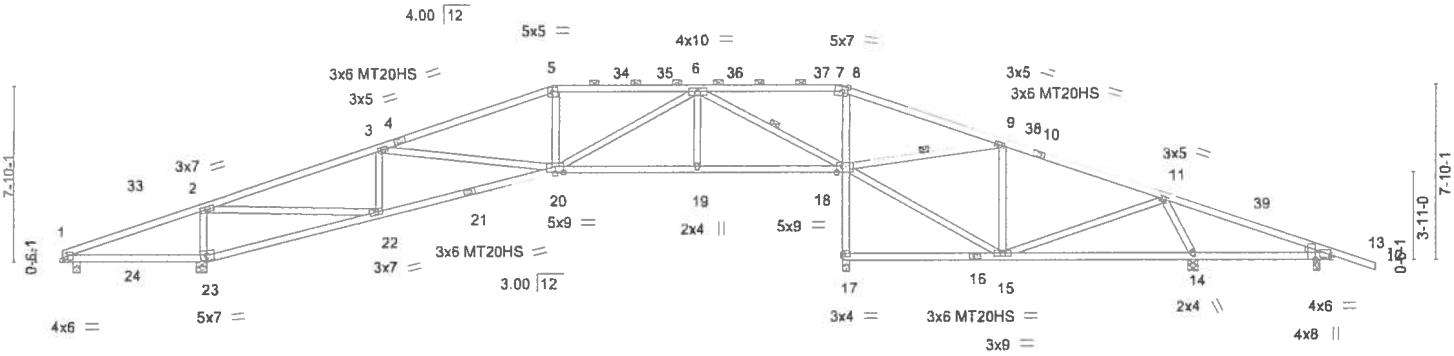
6-5-8	14-2-12	22-0-0	28-6-0	35-0-0	42-2-14	49-5-11	57-0-0	59-0-0
6-5-8	7-9-4	7-9-4	6-6-0	6-6-0	7-2-14	7-2-14	7-6-5	2-0-0

Scale = 1:100.7



0-6-0	6-2-12	6-5-8	14-2-12	22-1-8	28-6-0	35-0-8	35-2-4	42-2-14	50-9-4	56-6-0	57-0-0
0-5-0	5-8-12	0-2-12	7-9-4	7-10-12	6-4-8	6-6-8	0-1-12	7-0-10	8-6-6	5-8-12	0-5-0

Plate Offsets (X,Y)-- [7:0-0-4,0-1-12], [7:0-2-15,Edge], [8:0-1-13,0-0-5], [12:Edge,0-1-7], [12:0-2-6,Edge], [18:0-3-4,0-3-4], [20:0-4-8,0-0-8]

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	0.73	Vert(LL)	-0.13	20-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.32	20-22	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.08	20-22	>999	240	Weight: 294 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-6-8 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-18, 9-18

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical, 23=0-5-8, 14=0-5-8.
(lb) - Max Horz 1=-112(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 17, 14, 24 except 1=-644(LC 21), 23=-103(LC 12), 12=-197(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1 except 23=1619(LC 21), 17=2127(LC 1), 14=630(LC 22), 24=623(LC 21), 12=402(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-100/871, 2-3=-1550/309, 3-5=-1566/308, 5-6=-1412/327, 6-7=-52/1147, 7-8=-20/1013, 8-9=-97/1281, 9-11=-258/219
BOT CHORD 1-24=-763/142, 23-24=-763/142, 22-23=-887/176, 20-22=-170/1460, 19-20=0/686, 18-19=0/686, 17-18=-2068/339, 8-18=-793/197, 14-15=-170/252
WEBS 2-23=-1271/258, 2-22=-311/2245, 3-22=-498/197, 6-20=-123/856, 6-19=0/273, 6-18=-2025/310, 9-18=-1229/291, 9-15=0/345, 11-14=-514/111

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-8-6, Interior(1) 5-8-6 to 22-0-0, Exterior(2) 22-0-0 to 30-0-12, Interior(1) 30-0-12 to 35-0-0, Exterior(2) 35-0-0 to 43-0-12, Interior(1) 43-0-12 to 59-0-0 zone; cantilever left and right exposed ; 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) 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) 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) 17, 14, 24 except (jt=lb) 1=644, 23=103, 12=197.
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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Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475338
LMCHADDOCK	B	Common	6	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:53 2019 Page 1
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-2-0-0	6-2-7	8-6-0	10-9-9	17-0-0	19-0-0
2-0-0	6-2-7	2-3-9	2-3-9	6-2-7	2-0-0

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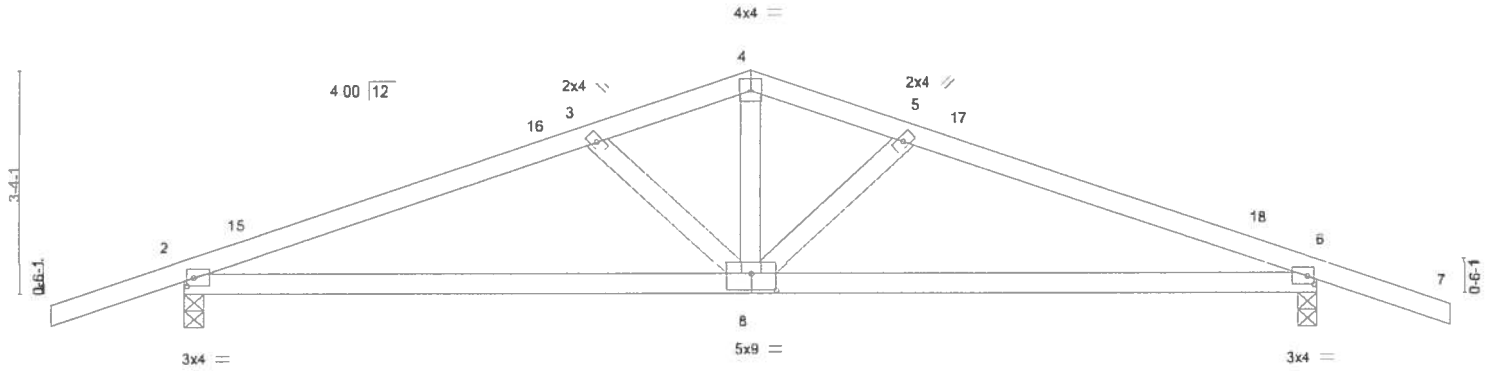

8-6-0	17-0-0
8-6-0	8-6-0

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

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	0.30	Vert(LL)	-0.08	8-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.18	8-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.17	8-14	>999	240	Weight: 71 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. (lb/size) 2=800/0-3-8, 6=800/0-3-8
Max Horz 2=37(LC 11)
Max Uplift 2=-274(LC 12), 6=-274(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1286/920, 3-4=-1033/849, 4-5=-1033/849, 5-6=-1286/920
BOT CHORD 2-8=-797/1164, 6-8=-817/1164
WEBS 4-8=-515/568, 5-8=-312/168, 3-8=-312/168

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 8-6-0, Exterior(2) 8-6-0 to 11-6-0, Interior(1) 11-6-0 to 19-0-0 zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=274, 6=274.
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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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475339
LMCHADDOCK	B1	Hip Girder	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

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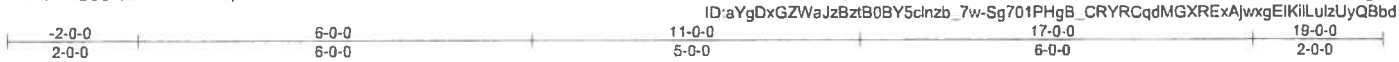

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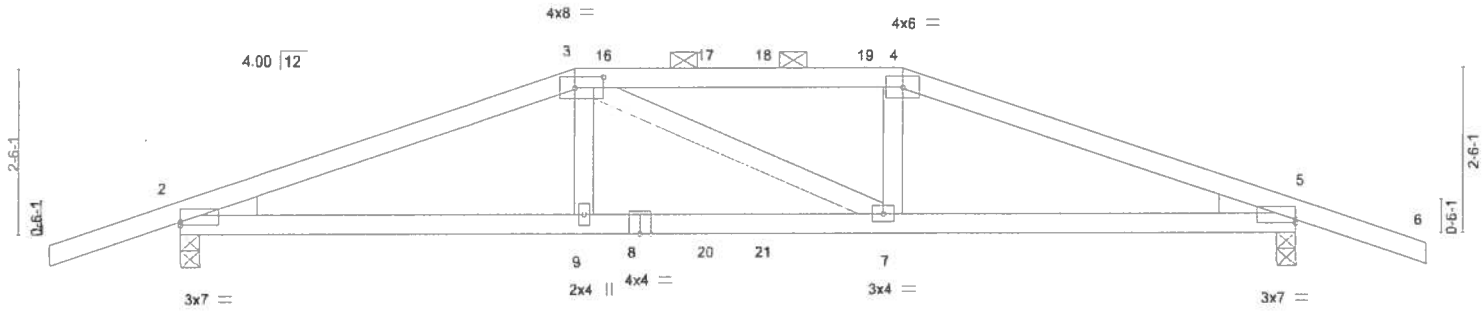

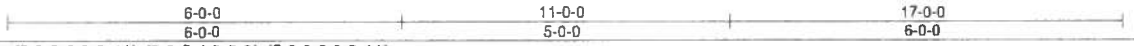

Plate Offsets (X,Y)-- [2:0-0-0,0-0-11], [3:0-5-4,0-2-0], [5:0-0-0,0-0-11]

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)	0.19	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.26	7-9	>778	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 74 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 3-4: 2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins, except
2-0-0 oc purlins (2-9-3 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 6-2-13 oc bracing.

REACTIONS. (lb/size) 2=1183/0-3-8, 5=1183/0-3-8
Max Horz 2=28(LC 7)
Max Uplift 2=-472(LC 8), 5=-472(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2405/955, 3-4=-2234/927, 4-5=-2406/956
BOT CHORD 2-9=-851/2217, 7-9=-859/2233, 5-7=-851/2219
WEBS 3-9=-136/401, 4-7=-136/401

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=472, 5=472.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 180 lb down and 147 lb up at 6-0-0, 93 lb down and 71 lb up at 8-0-12, and 93 lb down and 71 lb up at 8-11-4, and 180 lb down and 147 lb up at 11-0-0 on top chord, and 143 lb down and 109 lb up at 6-0-0, 65 lb down and 24 lb up at 8-0-12, and 65 lb down and 24 lb up at 8-11-4, and 143 lb down and 109 lb up at 10-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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, 10-13=-20
Concentrated Loads (lb)
Vert: 3=-133(F) 4=-133(F) 9=-113(F) 7=-113(F) 17=-93(F) 18=-93(F) 20=-44(F) 21=-44(F)

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Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475340
LMCHADDOCK	B2	Hip	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:55 2019 Page 1

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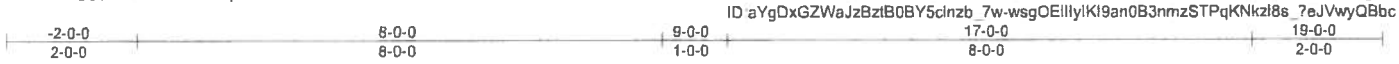

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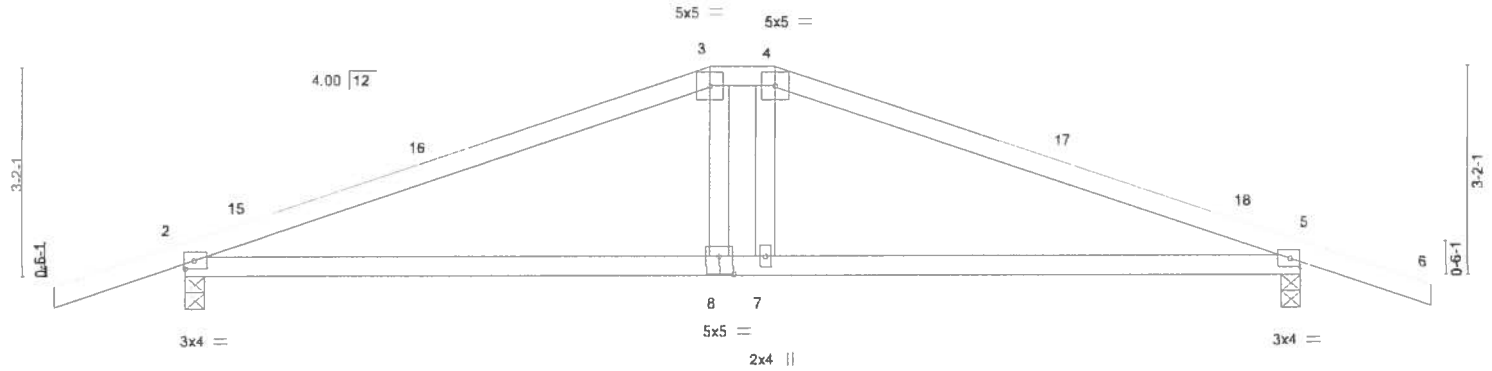

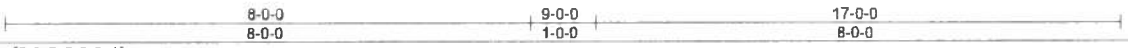

Plate Offsets (X,Y)-- [8:0-2-8,0-3-4]

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	0.62	Vert(LL)	-0.11	8-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.21	8-11	>958	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.20	7-14	>999	240	Weight: 66 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 2-0-0 oc purlins (5-0-1 max.): 3-4.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 2=800/0-3-8, 5=800/0-3-8
Max Horz 2=35(LC 11)
Max Uplift 2=-274(LC 12), 5=-274(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1193/905, 3-4=-1065/895, 4-5=-1193/905
BOT CHORD 2-8=-769/1060, 7-8=-780/1065, 5-7=-773/1060

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 8-0-0, Exterior(2) 8-0-0 to 13-2-15, Interior(1) 13-2-15 to 19-0-0 zone; cantilever left and right exposed ; 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=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.
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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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475341
LMCHADDOCK	BGT	Common Girder	1	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:56 2019 Page 1
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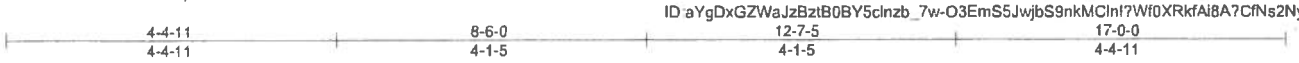

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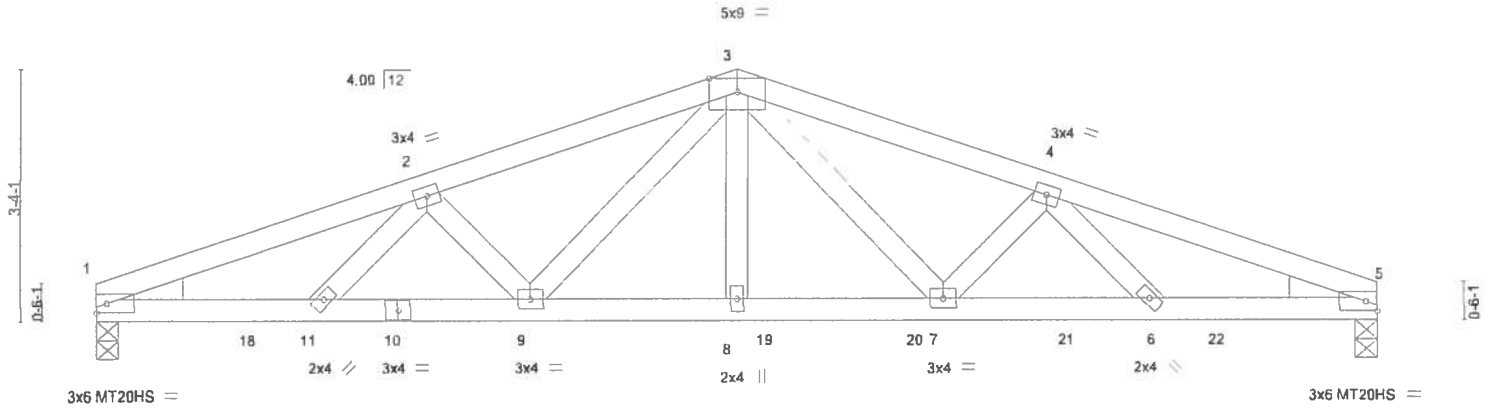

FASTEN TRUSS TO BEARING FOR THE UPLIFT REACTION SHOWN WHILE PERMITTING NO UPWARD MOVEMENT OF THE BEARING.

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)	0.09	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	0.16	7-8	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	-0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.10	7-8	>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
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-2-6 oc bracing.

REACTIONS. (lb/size) 1=30/0-3-8, 5=-66/0-3-8
Max Horz 1=-30(LC 30)
Max Uplift 1=-1036(LC 8), 5=-1182(LC 8)
Max Grav 1=296(LC 38), 5=280(LC 38)

Loading provided by Truss Manufacturer.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-581/2267, 2-3=-505/1965, 3-4=-429/2448, 4-5=-549/2623
BOT CHORD 1-11=-2114/520, 9-11=-1923/562, 8-9=-1690/277, 7-8=-1690/277, 6-7=-2335/504, 5-6=-2450/490
WEBS 3-8=-712/0, 3-7=-902/147, 4-6=-289/62, 3-9=-163/322, 2-11=-465/31

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
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=1036, 5=1182.
7) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4 lb down and 650 lb up at 2-0-12, 728 lb up at 8-11-4, 7 lb down and 623 lb up at 10-11-4, and 16 lb down and 39 lb up at 12-11-4, and 3 lb down and 613 lb up at 14-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

Continued on page 2

MiTek
6904 Parke East Blvd
Tampa, FL 36610

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 12-15=-20
   Concentrated Loads (lb)
   Vert: 18=350(B) 19=391(B) 20=333(B) 21=-4(B) 22=326(B)

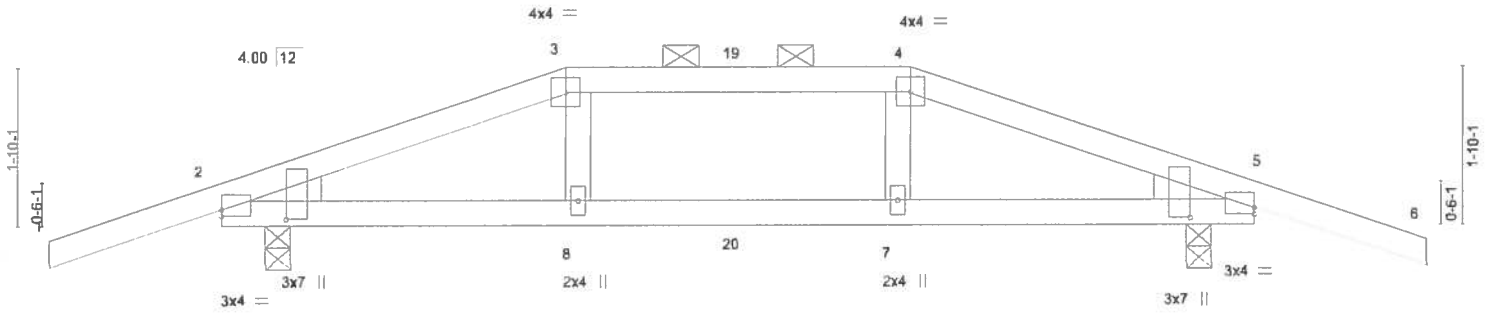
Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475342
LMCHADDOCK	C1	Hip Girder	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL — 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:57 2019 Page 1

ID:aYgDxGZWaJzBztB0BY5clnzb_7w-sFo8fRJYUva0PuxOJUqE2tZqA85fRf?9RJ7PapyQBba

-2-0-0 / 2-0-0 | 4-0-0 / 4-0-0 | 8-0-0 / 4-0-0 | 12-0-0 / 4-0-0 | 14-0-0 / 2-0-0

Scale = 1:26.1



0-6-0 / 0-6-0 | 4-0-0 / 3-6-0 | 8-0-0 / 4-0-0 | 11-6-0 / 3-6-0 | 12-0-0 / 0-6-0

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

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)	0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.06	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 49 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=609/0-3-8, 5=609/0-3-8
Max Horz 2=23(LC 4)
Max Uplift 2=-262(LC 8), 5=-262(LC 8)
Max Grav 2=611(LC 17), 5=611(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-659/333, 3-4=-608/321, 4-5=-659/333
BOT CHORD 2-8=-279/595, 7-8=-284/608, 5-7=-279/595

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=262, 5=262.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 103 lb down and 84 lb up at 4-0-0, and 27 lb down and 34 lb up at 6-0-0, and 103 lb down and 84 lb up at 8-0-0 on top chord, and 73 lb down and 71 lb up at 4-0-0, and 15 lb down and 9 lb up at 6-0-0, and 73 lb down and 71 lb up at 7-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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, 9-14=-20
Concentrated Loads (lb)
Vert: 3=-5(F) 4=-5(F) 8=-1(F) 7=-1(F) 19=-5(F) 20=-1(F)

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Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475343
LMCHADDOCK	C2	Common	1	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:58 2019 Page 1
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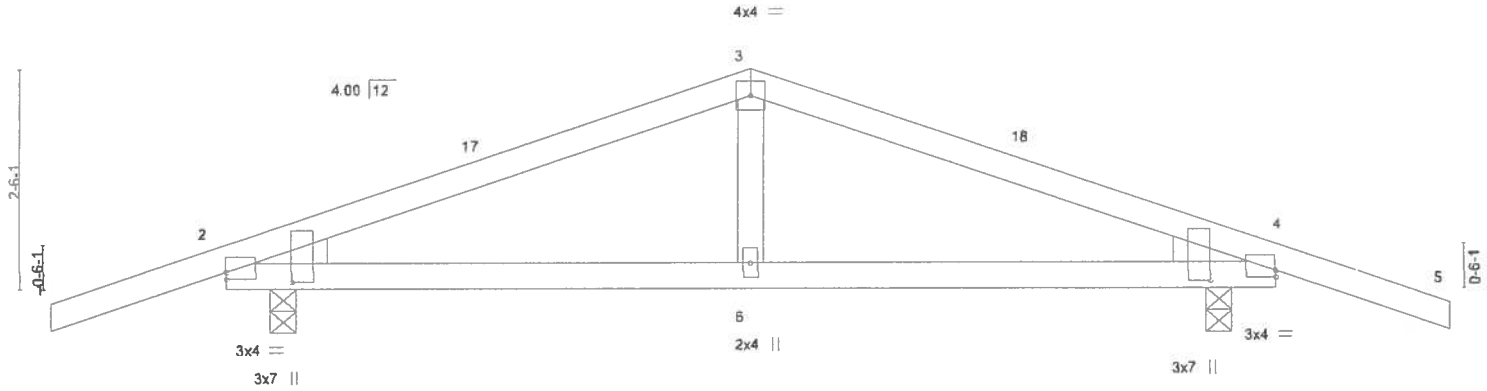

0-6-0 0-6-0 | 6-0-0 5-6-0 | 11-6-0 5-6-0 | 12-0-0 0-6-0

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

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)	-0.01	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.03	6-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.04	6-16	>999	240	Weight: 49 lb	FT = 15%

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

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

REACTIONS. (lb/size) 2=600/0-3-8, 4=600/0-3-8
Max Horz 2=28(LC 11)
Max Uplift 2=-212(LC 12), 4=-212(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-576/486, 3-4=-576/486
BOT CHORD 2-6=-378/497, 4-6=-378/497

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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(2) -2-0-0 to 1-1-15, Interior(1) 1-1-15 to 6-0-0, Exterior(2) 6-0-0 to 9-0-0, Interior(1) 9-0-0 to 14-0-0 zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=212, 4=212.
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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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475344
LMCHADDOCK	CGT	Common Girder	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:16:59 2019 Page 1
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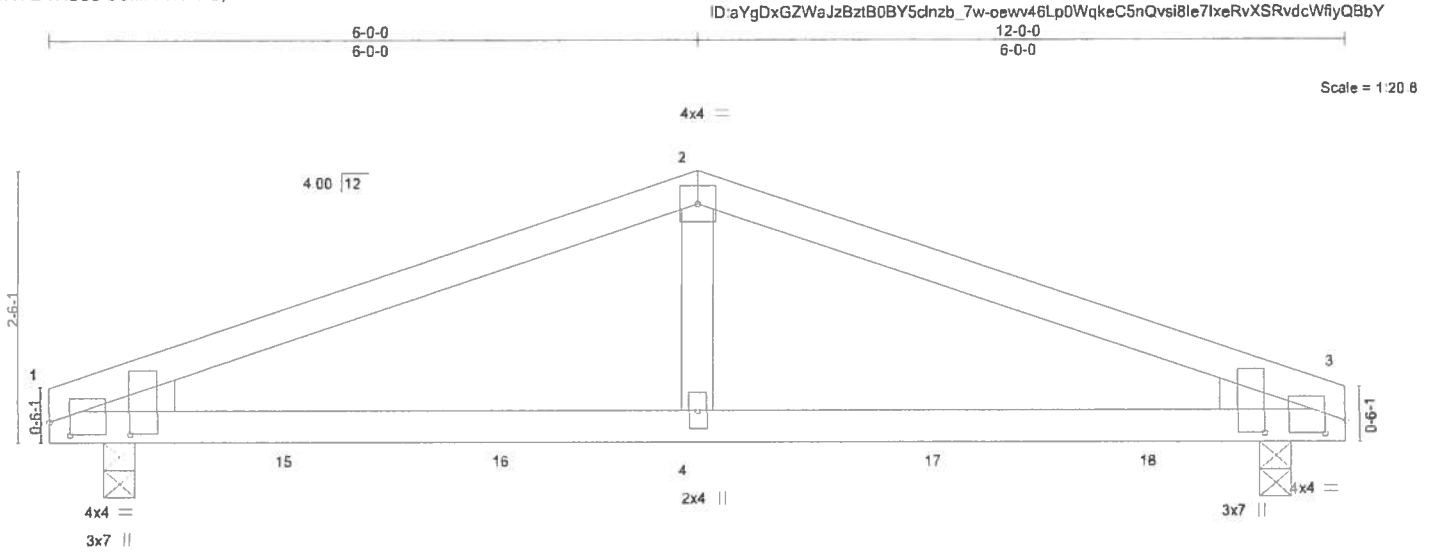

Plate Offsets (X,Y)-- [1:0-2-4,0-1-7], [1:0-1-6,0-8-15], [3:0-2-4,0-1-7], [3:0-1-6,0-8-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.07	4-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.12	4-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.06	4-14	>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
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-2-13 oc bracing.

REACTIONS. (lb/size) 1=1313/0-3-8, 3=1091/0-3-8
Max Horz 1=-21(LC 6)
Max Uplift 1=-358(LC 8), 3=-302(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1633/459, 2-3=-1630/458
BOT CHORD 1-4=-392/1503, 3-4=-392/1503
WEBS 2-4=-202/717

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=358, 3=302.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 247 lb down and 68 lb up at 0-0-0, 239 lb down and 68 lb up at 2-3-4, 239 lb down and 68 lb up at 4-3-4, 239 lb down and 68 lb up at 6-3-4, and 239 lb down and 68 lb up at 8-3-4, and 239 lb down and 68 lb up at 10-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 5-10=-20
Concentrated Loads (lb)
Vert: 4=-239 5=-247 15=-239 16=-239 17=-239 18=-239

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Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475345
LMCHADDOCK	CJ06	Diagonal Hip Girder	2	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:17:00 2019 Page 1
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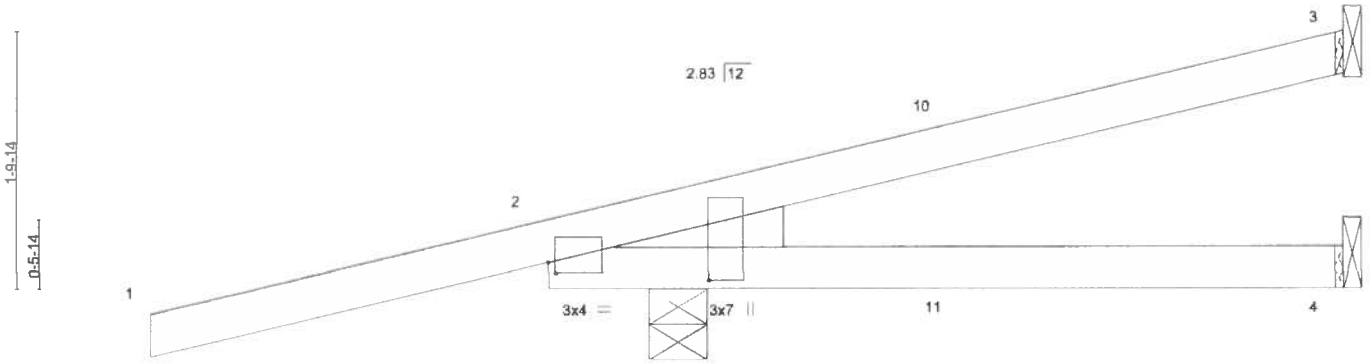
-2-9-15 / 2-9-15 | 5-7-14 / 5-7-14

Scale: 3/4"=1'



0-8-8 / 0-8-8 | 5-7-14 / 4-11-6

Plate Offsets (X,Y)-- [2:0-0-10,0-0-14], [2:0-1-8,1-1-10]

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	0.61	Vert(LL)	0.07	4-9	>991	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	0.09	4-9	>719	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.07	4-9	>999	240	Weight: 23 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=58/Mechanical, 4=-3/Mechanical, 2=420/0-4-15
Max Horz 2=75(LC 4)
Max Uplift 3=-49(LC 4), 4=-59(LC 13), 2=-286(LC 4)
Max Grav 3=66(LC 28), 4=43(LC 3), 2=420(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=286.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down and 111 lb up at 2-10-4, and 44 lb down and 111 lb up at 2-10-4 on top chord, and 36 lb down and 72 lb up at 2-10-4, and 36 lb down and 72 lb up at 2-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 4-5=-20
Concentrated Loads (lb)
Vert: 10=70(F=35, B=35) 11=72(F=36, B=36)

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Philip J. ORegan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 33610

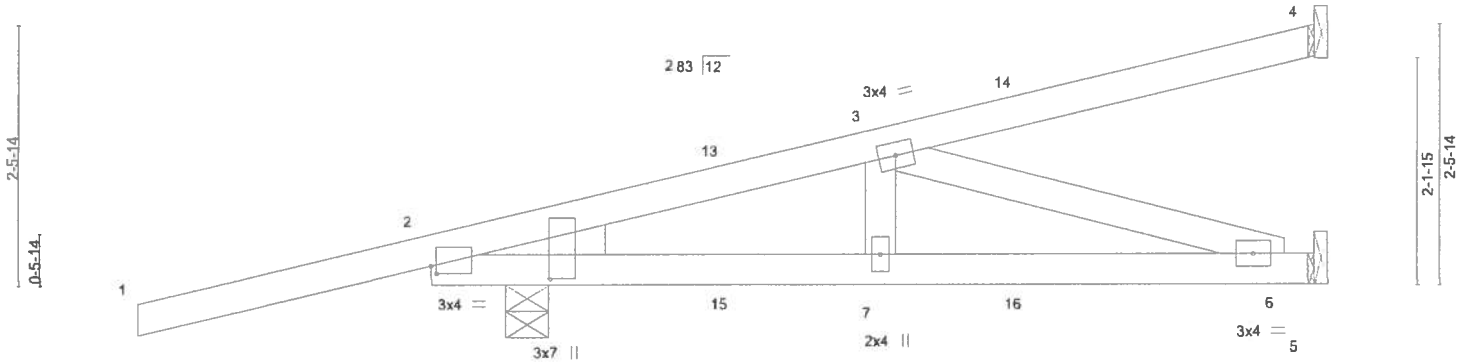
Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475346
LMCHADDOCK	CJ08	Diagonal Hip Girder	6	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:17:01 2019 Page 1
ID:aYgDxGZWaJzBztB0BY5cinzb_7w-k02fVoN3Y85StVEAYKuADjjRPlUvNTWkMx5djayQBbW

-2-9-15 / 2-9-15 | 4-3-12 / 4-3-12 | 8-5-13 / 4-2-1

Scale = 1:21.5



0-8-8 / 0-8-8 | 4-3-12 / 3-7-4 | 8-5-13 / 4-2-1

Plate Offsets (X,Y)-- [2:0-0-10,0-0-14], [2:0-1-8,1-1-10]

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	0.61	Vert(LL)	0.02	7-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.04	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.03	6-7	>999	240	Weight: 39 lb	FT = 15%

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

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

REACTIONS. (lb/size) 4=118/Mechanical, 5=97/Mechanical, 2=479/0-4-15
Max Horz 2=97(LC 20)
Max Uplift 4=-43(LC 4), 5=-85(LC 5), 2=-325(LC 4)
Max Grav 4=124(LC 17), 5=134(LC 3), 2=479(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-207/257

NOTES-
1) Wind: ASCE 7-10; 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); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=325.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down and 111 lb up at 2-10-4, 44 lb down and 111 lb up at 2-10-4, and 24 lb down and 35 lb up at 5-8-3, and 24 lb down and 35 lb up at 5-8-3 on top chord, and 36 lb down and 72 lb up at 2-10-4, 36 lb down and 72 lb up at 2-10-4, and 11 lb down and 4 lb up at 5-8-3, and 11 lb down and 4 lb up at 5-8-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) 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: 13=70(F=35, B=35) 15=72(F=36, B=36) 16=7(F=4, B=4)

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Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475347
LMCHADDOCK	EJ4	Jack-Open	3	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:17:01 2019 Page 1
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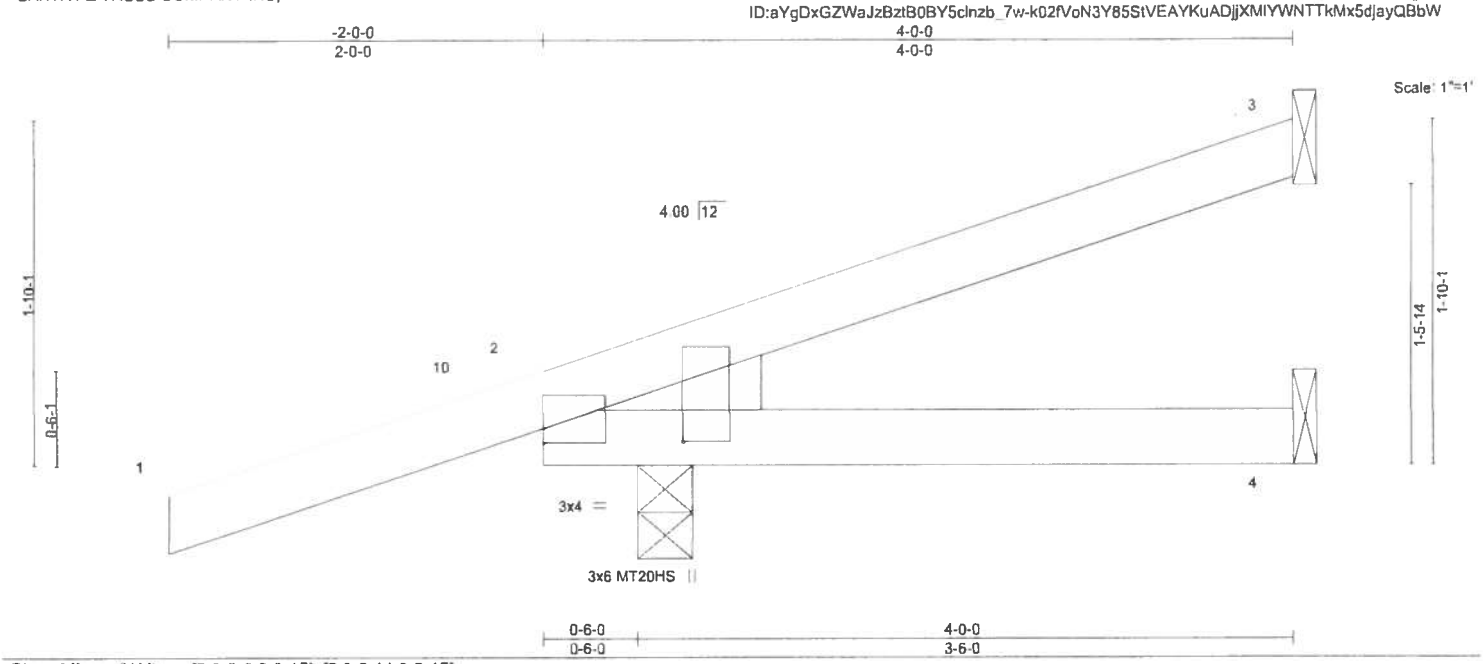

Plate Offsets (X,Y)-- [2:0-0-0,0-0-15], [2:0-0-14,0-8-15]

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	0.23	Vert(LL)	-0.00	4-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.01	4-9	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.01	4-9	>999	240	Weight: 17 lb	FT = 15%

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

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

REACTIONS. (lb/size) 3=63/Mechanical, 4=20/Mechanical, 2=353/0-3-8
Max Horz 2=67(LC 12)
Max Uplift 3=-18(LC 12), 4=-14(LC 9), 2=-138(LC 12)
Max Grav 3=63(LC 1), 4=52(LC 3), 2=353(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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(2) -2-0-0 to 1-1-15, Interior(1) 1-1-15 to 3-11-4 zone; cantilever left exposed ; 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) All plates are MT20 plates unless otherwise indicated.
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, 4 except (jt=lb) 2=138.
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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Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475348
LMCHADDOCK	EJ6	Jack-Open	41	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:17:02 2019 Page 1
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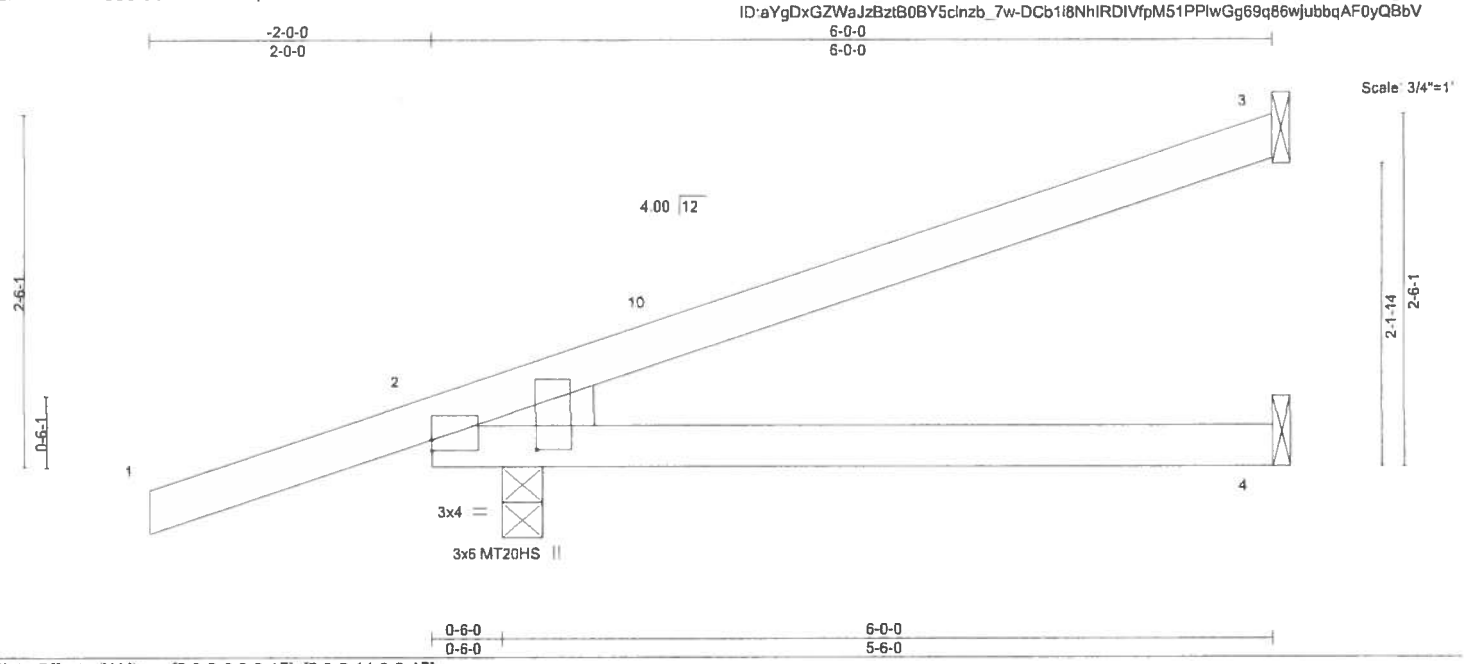

Plate Offsets (X,Y)-- [2:0-0-0,0-0-15], [2:0-0-14,0-8-15]

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)	-0.03	4-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.07	4-9	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.09	4-9	>809	240	Weight: 23 lb	FT = 15%

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

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

REACTIONS. (lb/size) 3=129/Mechanical, 4=54/Mechanical, 2=412/0-3-8
Max Horz 2=86(LC 12)
Max Uplift 3=-42(LC 12), 4=-23(LC 9), 2=-149(LC 12)
Max Grav 3=129(LC 1), 4=92(LC 3), 2=412(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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(2) -2-0-0 to 1-1-15, Interior(1) 1-1-15 to 5-11-4 zone; cantilever left exposed ; 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) All plates are MT20 plates unless otherwise indicated.
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, 4 except (jt=lb) 2=149.
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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Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475349
LMCHADDOCK	EJ6A	Jack-Open	7	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC. BELL FL 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:17:03 2019 Page 1
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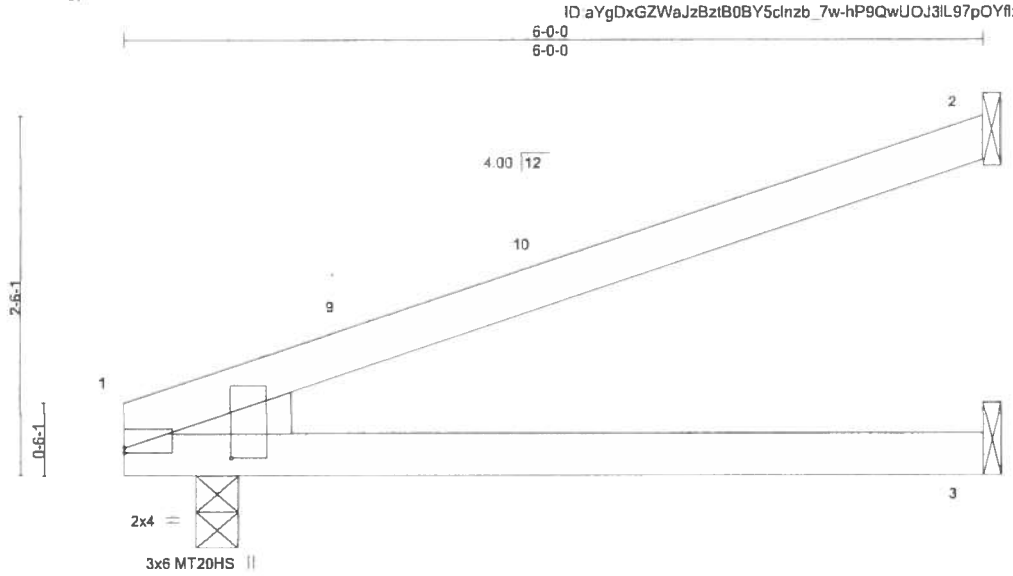

Plate Offsets (X,Y)-- [1:0-0-0,0-0-7], [1:0-0-14,0-8-15]

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	0.38	Vert(LL)	-0.04	3-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.09	3-8	>831	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.10	3-8	>716	240	Weight: 20 lb	FT = 15%

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

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

REACTIONS. (lb/size) 2=146/Mechanical, 3=70/Mechanical, 1=259/0-3-8
Max Horz 1=57(LC 12)
Max Uplift 2=-51(LC 12), 3=-28(LC 12), 1=-68(LC 12)
Max Grav 2=146(LC 1), 3=98(LC 3), 1=259(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=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(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 5-11-4 zone; cantilever left exposed ; 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) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3, 1.
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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Philip J. O'Regan PE No 58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475350
LMCHADDOCK	EJ6B	Jack-Open	4	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:17:03 2019 Page 1
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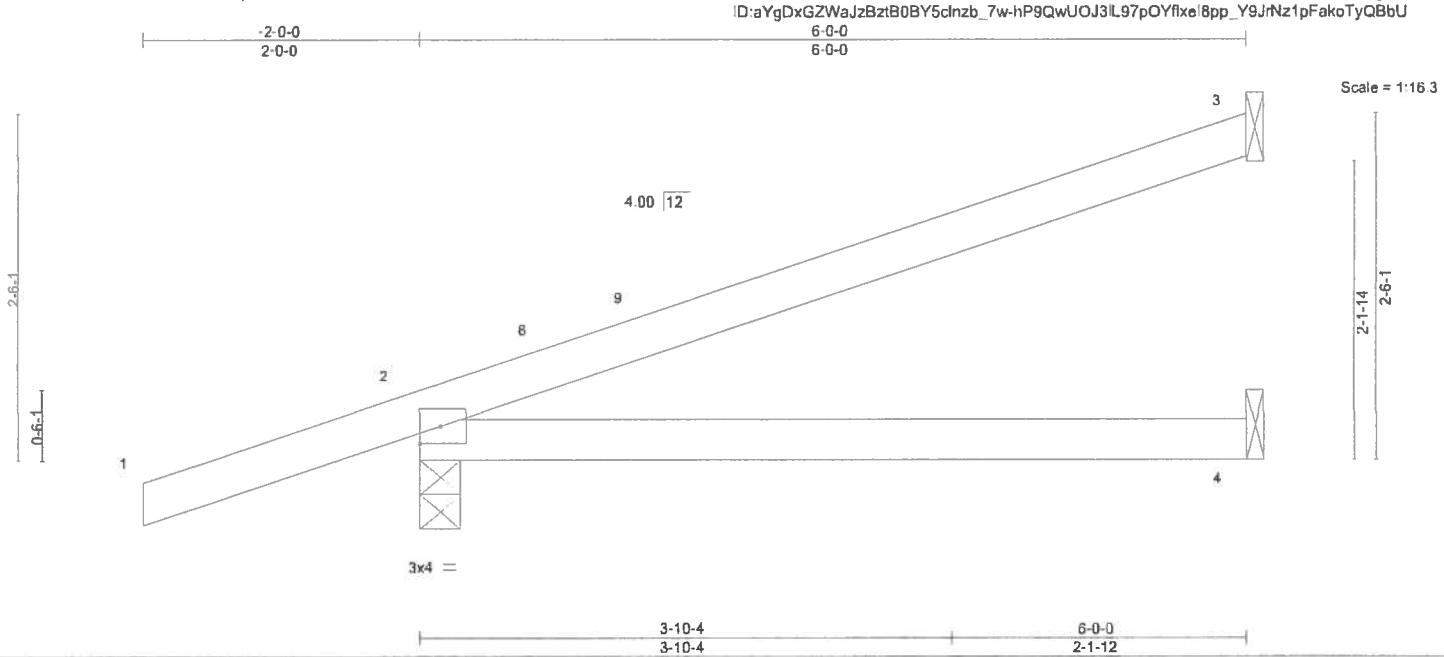

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.05	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.11	4-7	>652	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.13	4-7	>562	240	Weight: 22 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. (lb/size) 3=153/Mechanical, 2=378/0-3-8, 4=64/Mechanical
Max Horz 2=86(LC 12)
Max Uplift 3=-50(LC 12), 2=-136(LC 12), 4=-24(LC 9)
Max Grav 3=153(LC 1), 2=378(LC 1), 4=105(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 5-11-4 zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=136.
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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Philip J. ORegan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK	T18475351
LMCHADDOCK	J02	Jack-Open	16	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:17:04 2019 Page 1
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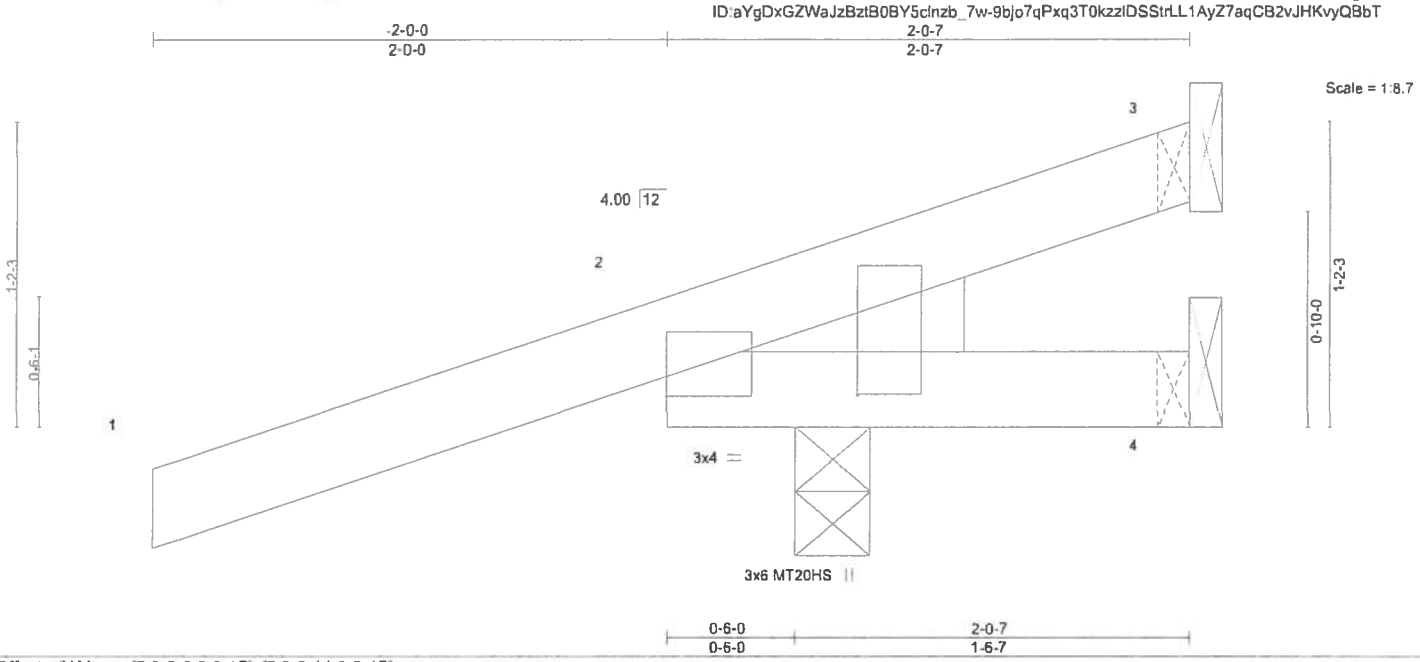

Plate Offsets (X,Y)-- [2:0-0-0,0-0-15], [2:0-0-14,0-8-15]

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)	-0.00	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.00	5	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.00	5	>999	240	Weight: 11 lb	FT = 15%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=-27/Mechanical, 4=-43/Mechanical, 2=348/0-3-8
Max Horz 2=48(LC 12)
Max Uplift 3=-27(LC 1), 4=-43(LC 1), 2=-156(LC 12)
Max Grav 3=19(LC 12), 4=25(LC 12), 2=348(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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(2) -2-0-0 to 1-1-15, Interior(1) 1-1-15 to 1-11-11 zone; cantilever left exposed ; 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) All plates are MT20 plates unless otherwise indicated.
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, 4 except (jt=lb) 2=156.

This item has been electronically signed and sealed by ORegan, Philip, using a Digital Signature. Printed copies of this document are not conside signed and sealed and the signature must be verified on any electronic copies.
Philip J. O'Regan PE No.58128
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
October 24,2019

MiTek
6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHADDOCK T18475352
LMCHADDOCK	J04	Jack-Open	12	1	Job Reference (optional)

SANTA FE TRUSS COMPANY INC, BELL FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 24 13:17:05 2019 Page 1
ID:aYgDxGZWaJzBztB0BY5clnzb_7w-dnHALAQZbMbtM7YxnAz6NZuC2MvSJHSKHZ3rsLyQBbS

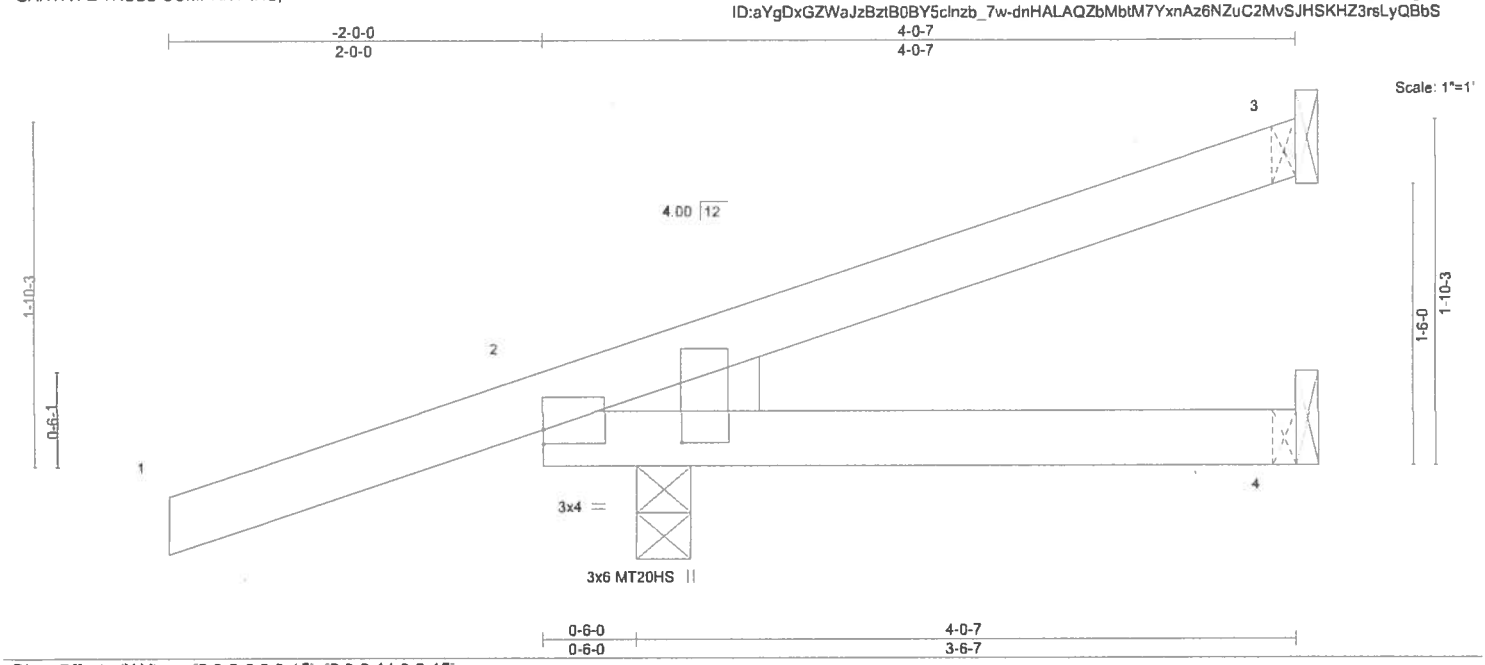

Plate Offsets (X,Y)-- [2:0-0-0,0-0-15], [2:0-0-14,0-8-15]

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)	-0.00	4-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.01	4-9	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Wind(LL)	0.01	4-9	>999	240	Weight: 17 lb	FT = 15%

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

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

REACTIONS. (lb/size) 3=64/Mechanical, 4=20/Mechanical, 2=354/0-3-8
Max Horz 2=67(LC 12)
Max Uplift 3=-18(LC 12), 4=-14(LC 9), 2=-138(LC 12)
Max Grav 3=64(LC 1), 4=53(LC 3), 2=354(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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(2) -2-0-0 to 1-1-15, Interior(1) 1-1-15 to 3-11-11 zone; cantilever left exposed ; 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) All plates are MT20 plates unless otherwise indicated.
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, 4 except (jt=lb) 2=138.
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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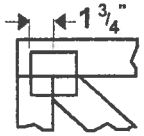
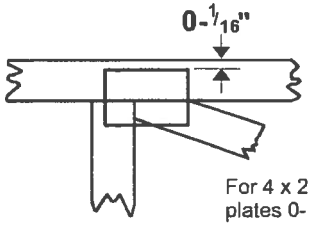
Symbols

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

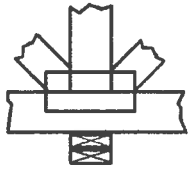
4 x 4

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

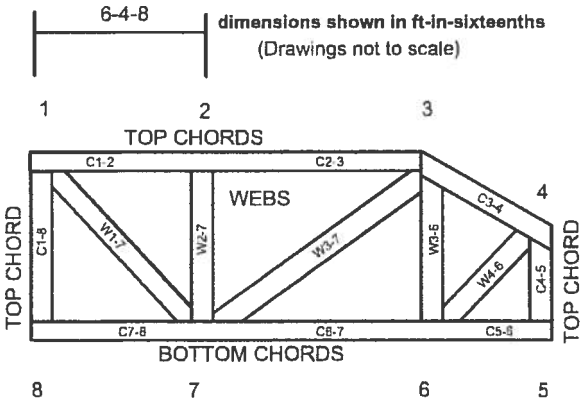


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

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.