RE: 2511957
44 Naples III

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

Site Information:

Customer: DR Horton Project Name: 2511957
Lot/Block: 44 Model: 2221
Address: 14570 Kelson Circle Subdivision: Naples III
City: Naples State: Florida

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

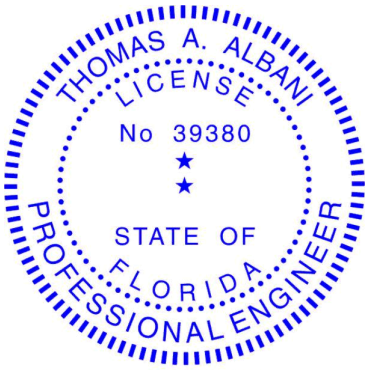
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 160 mph
Roof Load: 50.0 psf Floor Load: N/A psf

This package includes 53 individual, dated 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	T20992379	A01	10/29/2020	21	T20992399	B04	10/29/2020
2	T20992380	A02	10/29/2020	22	T20992400	B05	10/29/2020
3	T20992381	A03	10/29/2020	23	T20992401	CJ1	10/29/2020
4	T20992382	A04	10/29/2020	24	T20992402	CJ3	10/29/2020
5	T20992383	A05	10/29/2020	25	T20992403	CJ3A	10/29/2020
6	T20992384	A06	10/29/2020	26	T20992404	CJ3B	10/29/2020
7	T20992385	A07	10/29/2020	27	T20992405	CJ3C	10/29/2020
8	T20992386	A08	10/29/2020	28	T20992406	CJ5	10/29/2020
9	T20992387	A10	10/29/2020	29	T20992407	CJ5A	10/29/2020
10	T20992388	A11	10/29/2020	30	T20992408	CJ5C	10/29/2020
11	T20992389	A12	10/29/2020	31	T20992409	D5	10/29/2020
12	T20992390	A13	10/29/2020	32	T20992410	D6	10/29/2020
13	T20992391	A14	10/29/2020	33	T20992411	D7	10/29/2020
14	T20992392	A15	10/29/2020	34	T20992412	D8	10/29/2020
15	T20992393	A16	10/29/2020	35	T20992413	D9	10/29/2020
16	T20992394	A17	10/29/2020	36	T20992414	E1	10/29/2020
17	T20992395	A18	10/29/2020	37	T20992415	E2	10/29/2020
18	T20992396	A19	10/29/2020	38	T20992416	EJ5	10/29/2020
19	T20992397	A20	10/29/2020	39	T20992417	EJ5A	10/29/2020
20	T20992398	B03	10/29/2020	40	T20992418	EJ7	10/29/2020

This item has been electronically signed and sealed by Albani, Thomas 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 Builders FirstSource (Punta Gorda, FL).
Truss Design Engineer's Name: Albani, Thomas
My license renewal date for the state of Florida is February 28, 2021.
Florida COA: 6634

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



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: October 29, 2020

Albani, Thomas

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

RE: 2511957 - 44 Naples III

Site Information:

Project Customer: DR Horton Project Name: 2511957
Lot/Block: 44 Subdivision: Naples III
Address: 14570 Kelson Circle
City, County: Naples State: Florida

No.	Seal#	Truss Name	Date
41	T20992419	EJ7A	10/29/2020
42	T20992420	F1	10/29/2020
43	T20992421	F2	10/29/2020
44	T20992422	F3	10/29/2020
45	T20992423	HJ8	10/29/2020
46	T20992424	HJ8A	10/29/2020
47	T20992425	HJ10	10/29/2020
48	T20992426	HJ10A	10/29/2020
49	T20992427	V6	10/29/2020
50	T20992428	V10	10/29/2020
51	T20992429	V14	10/29/2020
52	T20992430	V18	10/29/2020
53	T20992431	V22	10/29/2020

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A01	Hip Girder	1	2	T20992379
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:00 2020 Page 1
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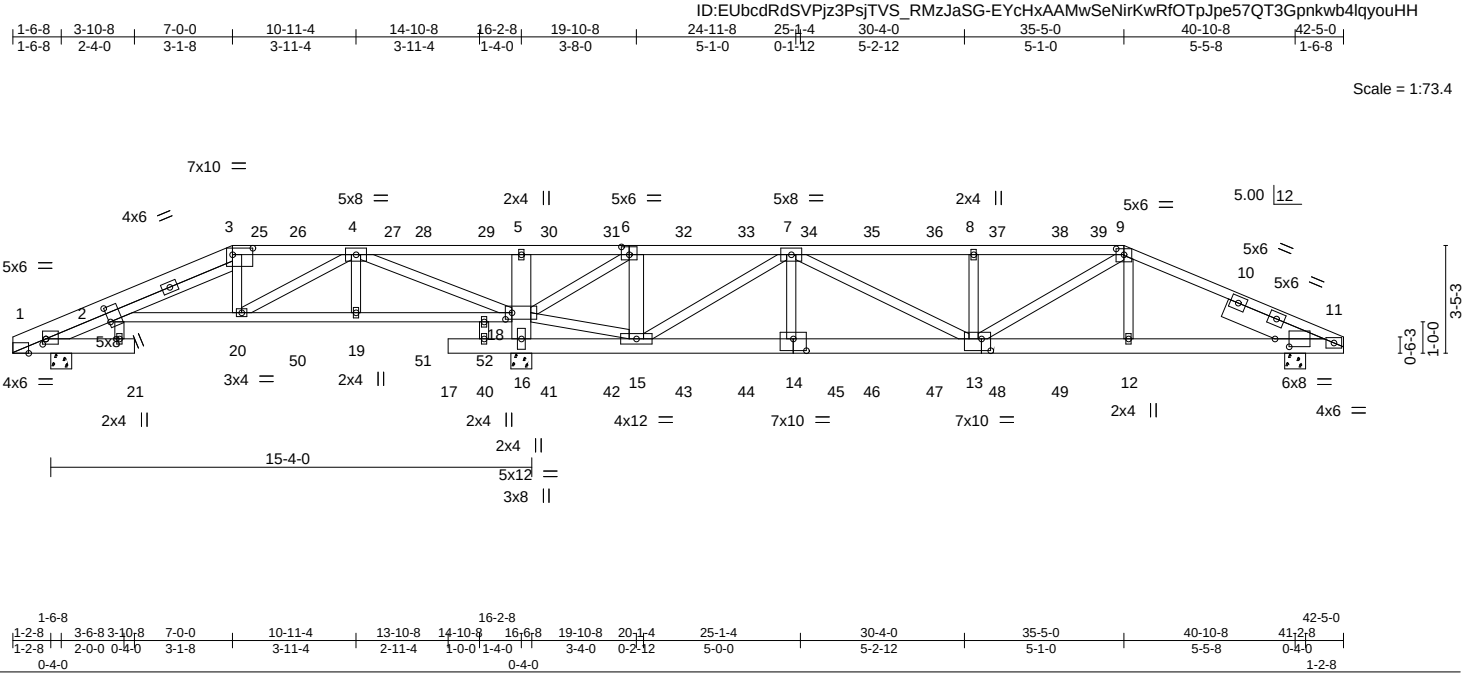

Plate Offsets (X,Y)-- [1:0-1-4,0-2-1], [1:0-6-10,Edge], [2:0-0-0,0-4-9], [2:0-5-12,0-0-7], [2:0-0-11,0-1-10], [3:0-7-12,0-2-8], [6:0-3-0,0-3-0], [9:0-3-0,0-2-4], [11:0-5-7,0-3-0], [13:0-3-8,0-4-8], [14:0-5-0,0-4-8], [18:0-2-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	0.15	13-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.18	21	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	-0.06	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 537 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	1-3: 2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	22-23: 2x4 SP No.3, 2-18: 2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	6-15: 2x6 SP No.2, 5-16: 2x8 SP 2400F 2.0E
SLIDER	Right 2x8 SP 2400F 2.0E 3-3-10

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-16,19-20,18-19.

REACTIONS. (size) 1=0-8-0, 16=0-8-0, 11=0-8-0
Max Horz 11=97(LC 7)
Max Uplift 1=-104(LC 8), 16=-2263(LC 8), 11=-1152(LC 8)
Max Grav 1=552(LC 17), 16=4462(LC 1), 11=1758(LC 18)

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

TOP CHORD	9-11=-3551/2281, 3-4=-674/140, 4-5=-1531/3366, 5-6=-1470/3210, 6-7=-408/707, 7-8=-3829/2627, 8-9=-3829/2627, 2-3=-730/141
BOT CHORD	15-16=-1574/768, 14-15=-1970/2905, 13-14=-1972/2910, 12-13=-1972/3137, 11-12=-1977/3149, 2-20=-67/702, 19-20=-343/593, 18-19=-343/593
WEBS	9-12=-111/412, 6-15=-751/1352, 15-18=-1185/1831, 6-18=-3864/2329, 4-18=-3292/1284, 4-19=0/307, 4-20=-483/1157, 3-20=-408/305, 7-15=-2981/1757, 9-13=-634/882, 7-14=-109/422, 8-13=-750/541, 7-13=-605/1086, 16-18=-4559/2415, 5-18=-624/388

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Solid blocking is required on both sides of the truss at joint(s), 1.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=104, 16=2263, 11=1152.

Continued on page 2

This item has been electronically signed and sealed by Albani, Thomas, 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.

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

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 257 lb down and 467 lb up at 35-5-0, 107 lb down and 187 lb up at 33-4-4, 107 lb down and 187 lb up at 31-4-4, 107 lb down and 187 lb up at 29-4-4, 107 lb down and 187 lb up at 27-4-4, 107 lb down and 187 lb up at 25-4-4, 107 lb down and 187 lb up at 23-4-4, 107 lb down and 187 lb up at 21-4-4, 107 lb down and 187 lb up at 21-0-12, 107 lb down and 187 lb up at 19-0-12, 107 lb down and 187 lb up at 17-0-12, 107 lb down and 187 lb up at 15-0-12, 72 lb down and 152 lb up at 13-0-12, 72 lb down and 152 lb up at 11-0-12, and 72 lb down and 152 lb up at 9-0-12, and 154 lb down and 339 lb up at 7-0-0 on top chord, and 141 lb down at 35-5-0, 60 lb down at 33-4-4, 60 lb down at 31-4-4, 60 lb down at 29-4-4, 60 lb down at 27-4-4, 60 lb down at 25-4-4, 60 lb down at 23-4-4, 60 lb down at 21-4-4, 60 lb down at 21-0-12, 60 lb down at 19-0-12, 60 lb down at 17-0-12, 60 lb down at 15-0-4, 45 lb down at 13-0-12, 45 lb down at 11-0-12, and 45 lb down at 9-0-12, and 109 lb down and 1 lb up at 7-0-12 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: 9-11=-80, 3-9=-80, 1-3=-80, 11-17=-20, 2-18=-20, 1-21=-20
   Concentrated Loads (lb)
   Vert: 3=-154(B) 12=-87(B) 19=-35(B) 20=-69(B) 4=-72(B) 9=-257(B) 26=-72(B) 28=-72(B) 29=-107(B) 30=-107(B) 31=-107(B) 32=-214(B) 33=-107(B) 34=-107(B) 35=-107(B) 36=-107(B) 37=-107(B) 38=-107(B) 40=-41(B) 41=-41(B) 42=-41(B) 43=-81(B) 44=-41(B) 45=-41(B) 46=-41(B) 47=-41(B) 48=-41(B) 49=-41(B) 50=-35(B) 51=-35(B)

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A02	HIP	1	1	T20992380
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:02 2020 Page 1
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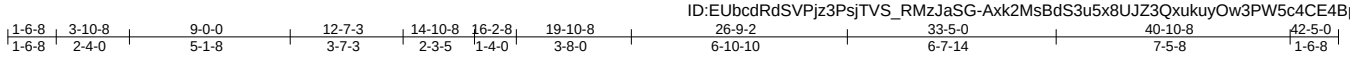

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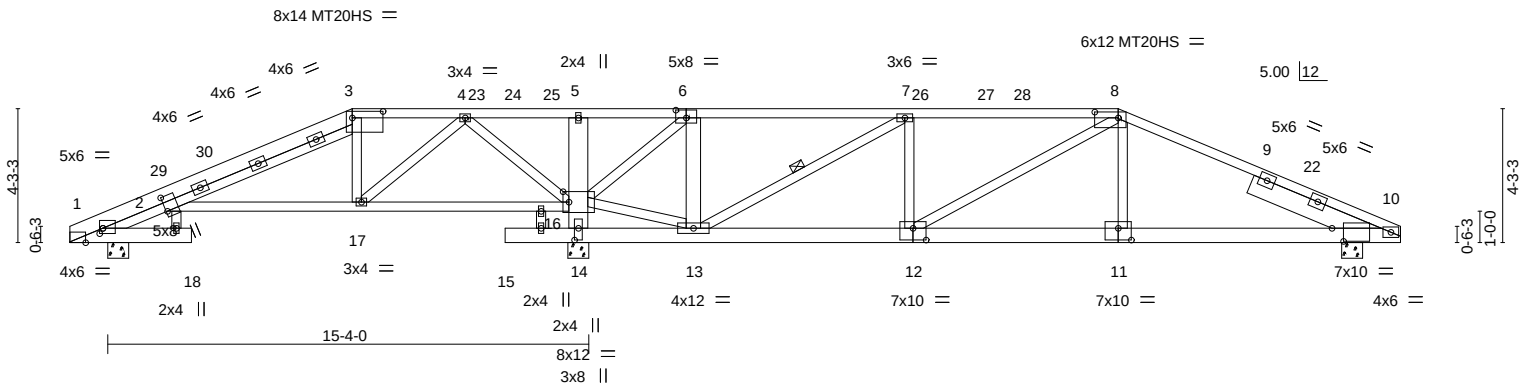

Plate Offsets (X,Y)-- [1:0-1-4,0-2-1], [1:0-6-10,Edge], [2:0-0-0,0-4-9], [2:0-5-12,0-0-7], [2:0-0-11,0-1-10], [3:0-11-12,0-2-8], [6:0-4-0,0-3-0], [8:0-9-0,0-2-4], [10:0-4-7,0-5-0], [11:0-5-0,0-4-8], [12:0-5-0,0-4-8], [14:0-4-8,0-1-8], [16:0-2-4,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.87	Vert(LL)	0.16	10-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.33	18	>583	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	-0.08	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 276 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	8-10: 2x4 SP M 31, 1-3: 2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	19-20: 2x4 SP No.3, 2-16: 2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	6-13: 2x6 SP No.2, 5-14: 2x8 SP 2400F 2.0E
SLIDER	Right 2x8 SP 2400F 2.0E 4-4-10

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-1-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-0-14 oc bracing.
WEBS	1 Row at midpt 7-13

REACTIONS. (size) 1=0-8-0, 14=0-8-0, 10=0-8-0
Max Horz 10=123(LC 11)
Max Uplift 1=-75(LC 12), 14=-1335(LC 12), 10=-791(LC 12)
Max Grav 1=449(LC 17), 14=2765(LC 1), 10=1103(LC 22)

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

TOP CHORD	8-10=-1887/2016, 4-5=-1051/1962, 5-6=-1041/1912, 6-7=-23/554, 7-8=-1423/1822, 2-3=-260/162
BOT CHORD	13-14=-959/632, 12-13=-1567/1417, 11-12=-1716/1586, 10-11=-1716/1586, 2-17=-36/373, 16-17=-859/760
WEBS	8-11=-464/355, 8-12=-292/160, 7-12=-377/378, 7-13=-1704/1496, 6-13=-893/814, 13-16=-856/803, 6-16=-2038/1875, 3-17=-531/399, 14-16=-2853/2060, 4-17=-488/1074, 4-16=-1483/745

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 9-0-0, Exterior(2) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 33-5-0, Exterior(2) 33-5-0 to 37-7-15, Interior(1) 37-7-15 to 42-1-0 zone; cantilever left and right exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Solid blocking is required on both sides of the truss at joint(s), 1.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 14=1335, 10=791.

This item has been electronically signed and sealed by Albani, Thomas, 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.

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

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2511957	A03	Hip	1	1	T20992381
					Job Reference (optional)

8.240 s Jun 26 2020 MiTek Industries, Inc. Tue Aug 11 16:34:26 2020 Page 1
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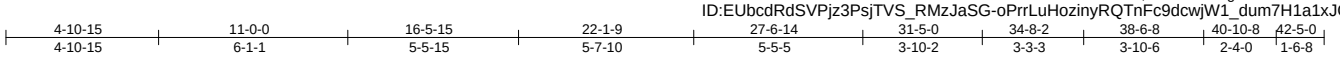

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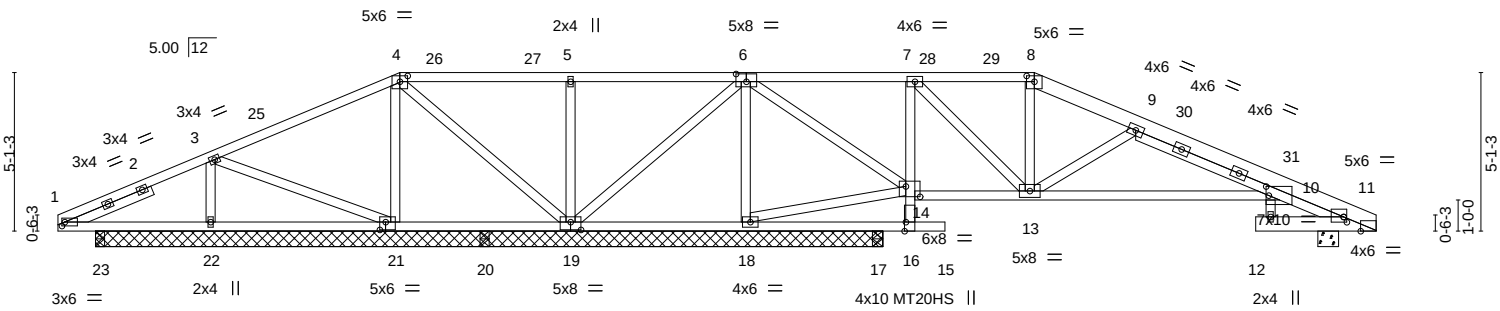

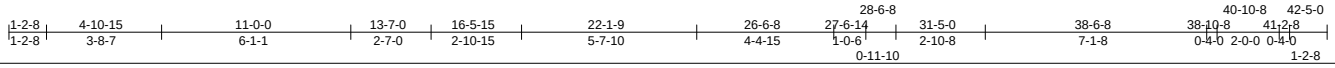

Plate Offsets (X,Y)-- [1:0-1-2,0-1-8], [4:0-3-0,0-2-4], [6:0-4-0,0-3-0], [8:0-3-0,0-2-4], [10:0-1-0,0-3-8], [10:0-1-12,0-0-0], [11:0-1-4,0-2-1], [11:0-6-10,Edge], [14:0-5-8,0-4-0], [16:0-3-8,Edge], [19:0-4-0,0-3-0], [21:0-2-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	0.16	12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.38	12	>495	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 256 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	8-11: 2x6 SP No.2
BOT CHORD	2x4 SP No.2 P *Except*
	7-16: 2x4 SP No.3, 10-14: 2x4 SP No.2, 11-12: 2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 3-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-0-0 oc bracing. Except:
	2-2-0 oc bracing: 14-16

REACTIONS. All bearings 25-4-0 except (jt=length) 11=0-8-0, 17=0-4-0, 23=0-3-8, 20=0-3-8.
(lb) - Max Horz 22=151(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 21, 23 except 11=-170(LC 12), 22=-203(LC 12), 19=-248(LC 12), 18=-426(LC 12), 17=-126(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 23, 20 except 11=569(LC 22), 22=558(LC 21), 21=373(LC 21), 19=573(LC 21), 18=1630(LC 22), 17=583(LC 22)

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

TOP CHORD	2-3=-181/324, 3-25=-82/301, 4-25=-66/453, 4-26=-189/768, 26-27=-189/768, 5-27=-189/768, 5-6=-188/768, 6-28=-64/658, 7-28=-64/658, 9-30=-650/430, 30-31=-759/410, 10-31=-770/409
BOT CHORD	1-23=-212/256, 22-23=-212/256, 21-22=-250/264, 20-21=-362/301, 19-20=-362/301, 18-19=-1318/626, 17-18=-301/125, 16-17=-301/125, 14-16=-444/203, 7-14=-1130/505, 13-14=-710/378, 10-13=-309/752
WEBS	3-22=-465/340, 4-19=-576/280, 5-19=-479/312, 6-19=-169/744, 6-18=-1374/552, 14-18=-1038/511, 6-14=-306/796, 7-13=-379/1048, 9-13=-789/486

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-0-0, Exterior(2) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 31-5-0, Exterior(2) 31-5-0 to 35-7-15, Interior(1) 35-7-15 to 42-1-0 zone; cantilever 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) Lumber designated with a "P" is pressure-treated with preservatives. Plate lateral resistance values have been reduced 20% where used in this lumber. Plates should be protected from corrosion per the recommendation of the treatment company. Borate or other suitable treatment may be used if it does not corrode the plates. If ACQ, CBA, or CA-B treated lumber is used, improved corrosion protection is required, and G185 galvanized plates may be used with this design. Incising factors have not been considered for this design. Building designer to verify suitability of this product for its intended use.

Continued on page 2

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Date:

August 11,2020

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NOTES-

8) Solid blocking is required on both sides of the truss at joint(s), 11.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 23 except (jt=lb) 11=170, 22=203, 19=248, 18=426 , 17=126.

LOAD CASE(S) Standard

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A04	Hip	1	1	T20992382
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:05 2020 Page 1
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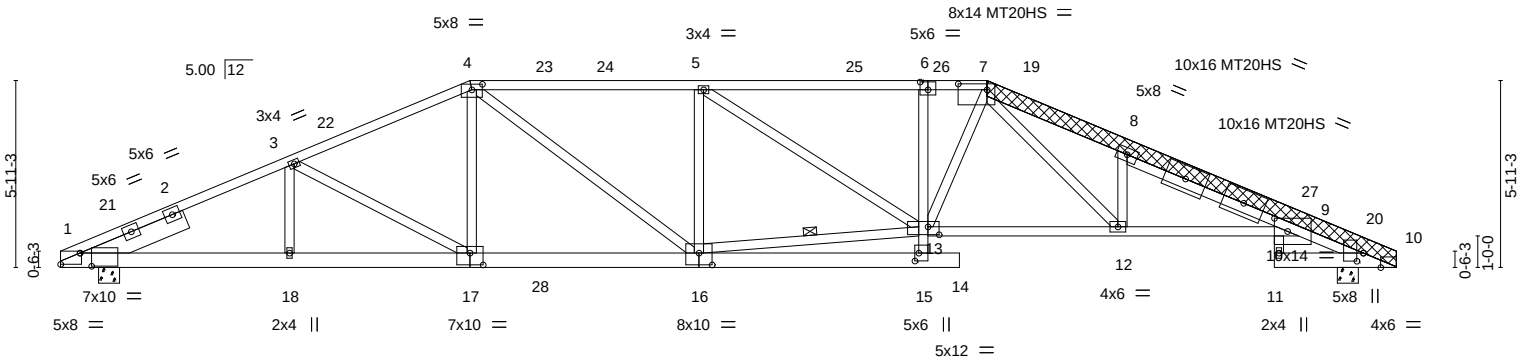

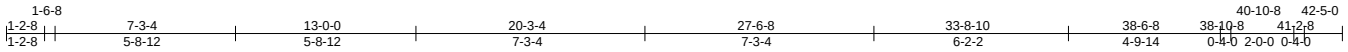

Plate Offsets (X,Y)-- [1:Edge,0-4-5], [1:0-4-7,0-5-0], [4:0-4-0,0-2-2], [6:0-3-0,0-3-0], [7:0-11-0,0-2-4], [9:0-5-0,0-5-0], [9:0-1-12,0-0-0], [10:0-6-10,Edge], [10:0-3-1,0-2-8], [13:0-4-4,0-3-0], [15:0-3-0,0-1-8], [16:0-5-0,0-4-8], [17:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	0.45	14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.87	11	>573	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.40	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 354 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1 *Except*
	4-6: 2x4 SP M 31, 7-10: 2x6 SP M 26, 6-7: 2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	6-15: 2x4 SP No.3, 9-13: 2x4 SP M 31
WEBS	2x4 SP No.3 *Except*
	13-16: 2x4 SP No.2
OTHERS	2x6 SP M 26
LBR SCAB	7-10 2x6 SP M 26 both sides
SLIDER	Left 2x8 SP 2400F 2.0E 3-6-5

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 5-7-7 oc bracing. Except:
	10-0-0 oc bracing: 13-15
WEBS	1 Row at midpt 13-16

REACTIONS. (size) 10=0-8-0, 1=0-8-0
Max Horz 1=176(LC 11)
Max Uplift 10=-600(LC 12), 1=-613(LC 12)
Max Grav 10=2119(LC 1), 1=2097(LC 1)

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

TOP CHORD	1-3=-4333/1681, 3-4=-3756/1554, 4-5=-4017/1727, 5-6=-4338/1821, 6-7=-4372/1829,
	7-8=-5930/2416, 8-9=-5571/2117, 9-10=-738/323
BOT CHORD	1-18=-1441/3869, 17-18=-1441/3869, 16-17=-1173/3384, 15-16=-148/453, 6-13=-349/273,
	12-13=-1375/4041, 9-12=-1918/5349
WEBS	3-17=-574/306, 4-17=-91/508, 4-16=-331/933, 5-16=-895/476, 13-16=-1249/3593,
	5-13=-113/454, 7-13=-339/924, 7-12=-793/1912, 8-12=-1324/685

NOTES-

1) Attached 14-3-5 scab 7 to 10, both face(s) 2x6 SP M 26 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 9-6-12 from end at joint 7, nail 3 row(s) at 4" o.c. for 4-2-12.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 13-0-6, Exterior(2) 13-0-6 to 17-3-4, Interior(1) 17-3-4 to 29-5-0, Exterior(2) 29-5-0 to 33-8-10, Interior(1) 33-8-10 to 42-1-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Solid blocking is required on both sides of the truss at joint(s), 10.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=600, 1=613.

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August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A05	Hip	1	1	T20992383
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:06 2020 Page 1
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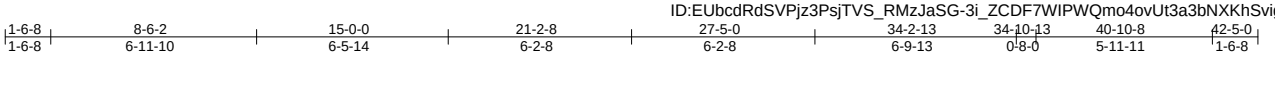

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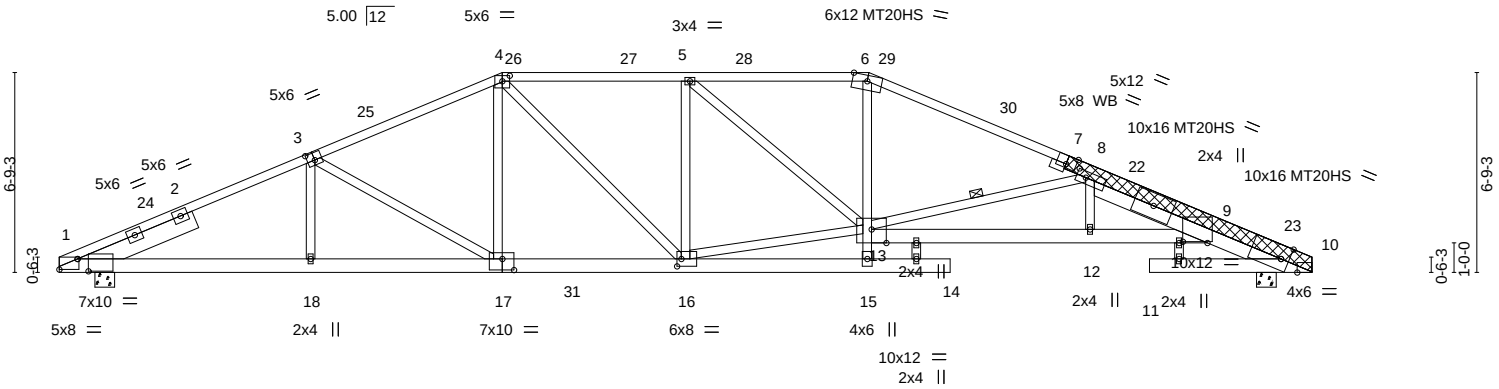

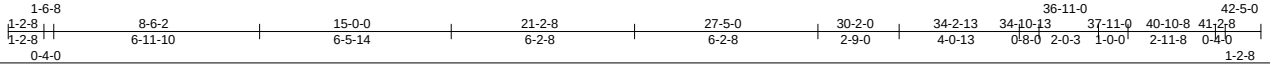

Plate Offsets (X,Y)-- [1:Edge,0-4-5], [1:0-4-7,0-5-0], [3:0-3-0,0-3-0], [4:0-3-0,0-2-4], [7:0-4-0,Edge], [8:0-3-12,0-2-8], [9:0-10-0,0-0-8], [10:0-6-10,Edge], [10:0-3-4,Edge], [13:0-6-0,Edge], [16:0-1-12,0-3-0], [17:0-4-12,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	-0.44	11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-1.21	11	>415	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.33	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 347 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	3-4: 2x4 SP No.1, 6-7: 2x4 SP M 31, 7-10,8-10: 2x6 SP M 26
BOT CHORD	2x6 SP No.2 *Except*
	6-15: 2x4 SP No.3, 9-13: 2x6 SP M 26
WEBS	2x4 SP No.3 *Except*
	13-16: 2x4 SP No.2
OTHERS	2x6 SP M 26 *Except*
	7-7: 2x4 SP No.3
LBR SCAB	7-10 2x6 SP M 26 both sides
SLIDER	Left 2x8 SP 2400F 2.0E 4-2-6

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 6-3-12 oc bracing. Except:
	10-0-0 oc bracing: 13-15
WEBS	1 Row at midpt 8-13

REACTIONS. (size) 10=0-8-0, 1=0-8-0
Max Horz 1=-202(LC 10)
Max Uplift 10=-572(LC 12), 1=-605(LC 12)
Max Grav 10=2164(LC 1), 1=2110(LC 1)

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

TOP CHORD	1-3=-4322/1617, 3-4=-3568/1452, 4-5=-3525/1516, 5-6=-3804/1557, 6-8=-4259/1609,
	8-9=-6097/2213, 9-10=-746/321
BOT CHORD	1-18=-1369/3853, 17-18=-1371/3850, 16-17=-1038/3195, 15-16=-153/340, 13-15=0/270,
	6-13=-301/1124, 12-13=-2076/5990, 9-12=-2079/5993
WEBS	3-18=0/290, 3-17=-780/385, 4-17=-131/601, 4-16=-197/626, 5-16=-847/391,
	13-16=-997/3226, 5-13=-54/447, 8-13=-2258/941

NOTES-

1) Attached 9-1-1 scab 7 to 10, both face(s) 2x6 SP M 26 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 4-5-5 from end at joint 7, nail 2 row(s) at 7" o.c. for 2-0-0; starting at 6-8-7 from end at joint 7, nail 3 row(s) at 7" o.c. for 2-0-0.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 15-0-0, Exterior(2) 15-0-0 to 19-2-15, Interior(1) 19-2-15 to 27-4-10, Exterior(2) 27-4-10 to 31-7-9, Interior(1) 31-7-9 to 42-1-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Solid blocking is required on both sides of the truss at joint(s), 10.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=572, 1=605.

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Date:

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III	T20992384
2511957	A06	HIP	1	1	Job Reference (optional)	

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:08 2020 Page 1
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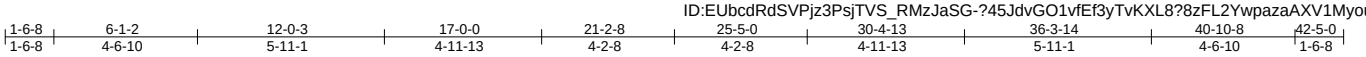

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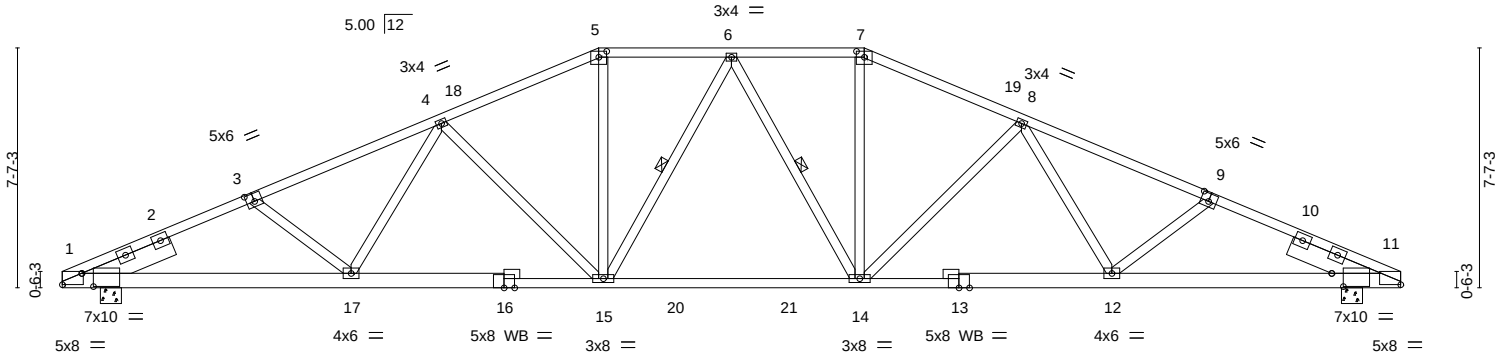

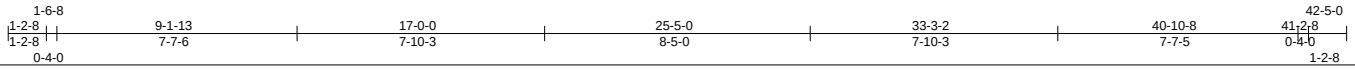

Plate Offsets (X,Y)-- [1:Edge,0-4-5], [1:0-4-7,0-5-0], [3:0-3-0,0-3-0], [5:0-3-0,0-2-4], [7:0-3-0,0-2-4], [9:0-3-0,0-3-0], [11:0-4-7,0-5-0], [11:Edge,0-4-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	-0.28	14-15	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.65	14-15	>772	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.17	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 268 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	13-16: 2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-1-10 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-8-11 oc bracing.
WEBS	1 Row at midpt 6-15, 6-14

REACTIONS. (size) 1=0-8-0, 11=0-8-0
Max Horz 1=229(LC 11)
Max Uplift 1=-618(LC 12), 11=-618(LC 12)
Max Grav 1=2088(LC 1), 11=2088(LC 1)

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

TOP CHORD	1-3=-4332/1668, 3-4=-4015/1574, 4-5=-3202/1397, 5-6=-2889/1356, 6-7=-2889/1356, 7-8=-3202/1397, 8-9=-4015/1574, 9-11=-4332/1668
BOT CHORD	1-17=-1422/3864, 15-17=-1209/3423, 14-15=-971/2987, 12-14=-1203/3423, 11-12=-1417/3864
WEBS	3-17=-328/281, 4-17=-84/488, 4-15=-793/421, 5-15=-317/877, 6-15=-363/170, 6-14=-363/170, 7-14=-317/877, 8-14=-793/421, 8-12=-84/488, 9-12=-328/281

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 17-0-0, Exterior(2) 17-0-0 to 21-2-8, Interior(1) 21-2-8 to 25-5-0, Exterior(2) 25-5-0 to 29-7-15, Interior(1) 29-7-15 to 42-1-0 zone; cantilever 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 5x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=618, 11=618.

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August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A07	Hip	1	1	T20992385
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:09 2020 Page 1
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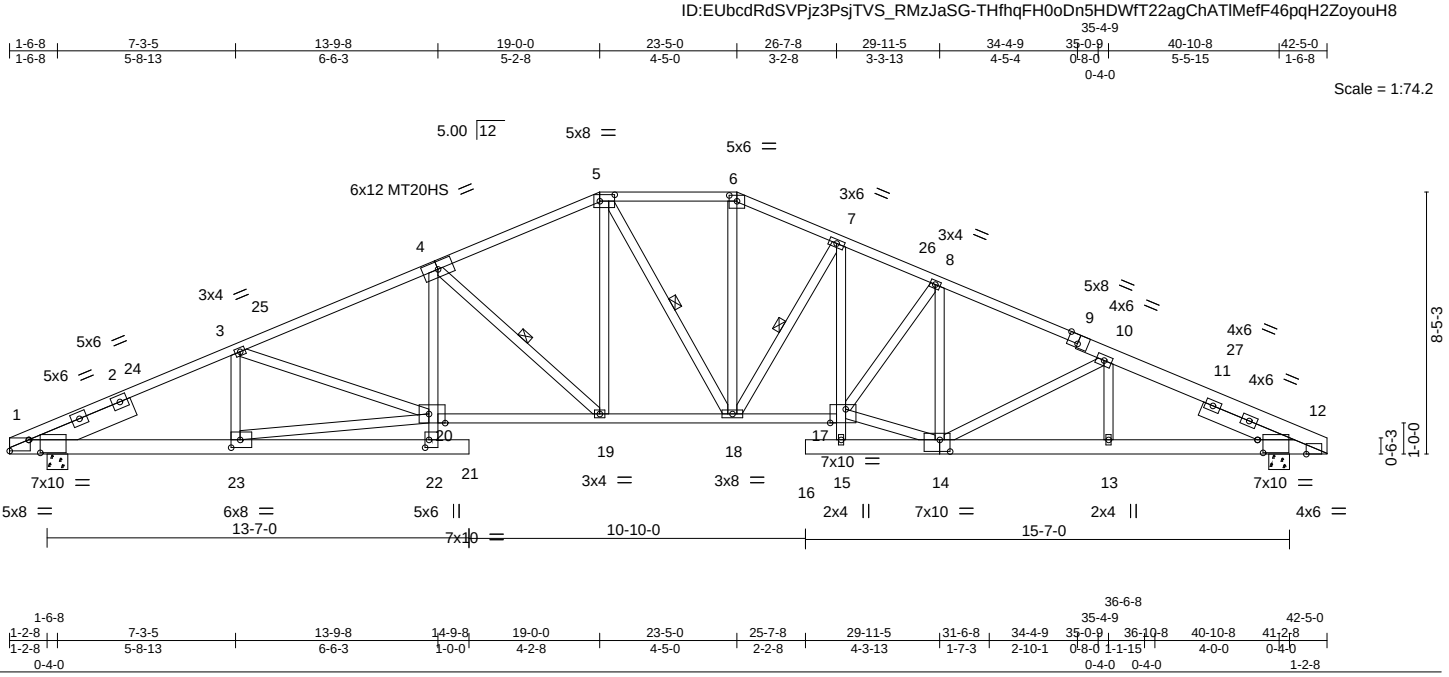

Plate Offsets (X,Y)-- [1:Edge,0-4-5], [1:0-4-7,0-5-0], [5:0-5-12,0-2-8], [6:0-3-0,0-2-4], [9:0-4-0,Edge], [12:1-6-14,Edge], [12:0-2-2,0-5-0], [14:0-4-0,0-4-8], [17:0-6-0,0-5-4], [20:0-6-4,Edge], [22:0-3-0,0-1-8], [23:0-3-8,0-3-0]

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	0.75	Vert(LL)	0.31	21	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.61	19-20	>815	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.25	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 311 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	1-4: 2x4 SP No.1, 9-12: 2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	4-22: 2x4 SP No.3, 17-20: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except*
	20-23,14-17: 2x4 SP No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-6-5, Right 2x6 SP No.2 3-1-15

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-5-6 oc bracing. Except:
	10-0-0 oc bracing: 20-22
WEBS	1 Row at midpt 4-19, 5-18, 7-18

REACTIONS. (size) 1=0-8-0, 12=0-8-0
Max Horz 1=-302(LC 10)
Max Uplift 1=-604(LC 12), 12=-605(LC 12)
Max Grav 1=2112(LC 1), 12=2109(LC 1)

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

TOP CHORD	1-3=-4363/1620, 3-4=-4380/1718, 4-5=-3420/1462, 5-6=-3083/1417, 6-7=-3367/1477, 7-8=-4077/1683, 8-10=-3823/1530, 10-12=-4456/1655
BOT CHORD	1-23=-1362/3904, 22-23=-156/425, 4-20=-144/695, 19-20=-1344/3965, 18-19=-932/3088, 17-18=-1210/3726, 13-14=-1397/3993, 12-13=-1397/3993
WEBS	3-23=-452/291, 20-23=-1218/3519, 4-19=-1282/567, 6-18=-356/960, 8-14=-782/311, 7-17=-356/1113, 5-19=-322/982, 10-14=-689/324, 8-17=-75/501, 14-17=-1210/3604, 7-18=-1283/572

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=79ft; L=40ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 4-4-0, Interior(1) 4-4-0 to 19-0-0, Exterior(2) 19-0-0 to 29-0-14, Interior(1) 29-0-14 to 42-1-0 zone; cantilever 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) except (jt=lb) 1=604, 12=605.

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6904 Parke East Blvd. Tampa FL 33610
Date:

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A08	ROOF SPECIAL	1	1	T20992386
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:10 2020 Page 1
ID:EUbcdRdSVPjz3PsjTVS_RMzJaSG-xTD32bIeZXvyvN5r1lZpDQEHc9gzOi2G2U0c5FyouH7

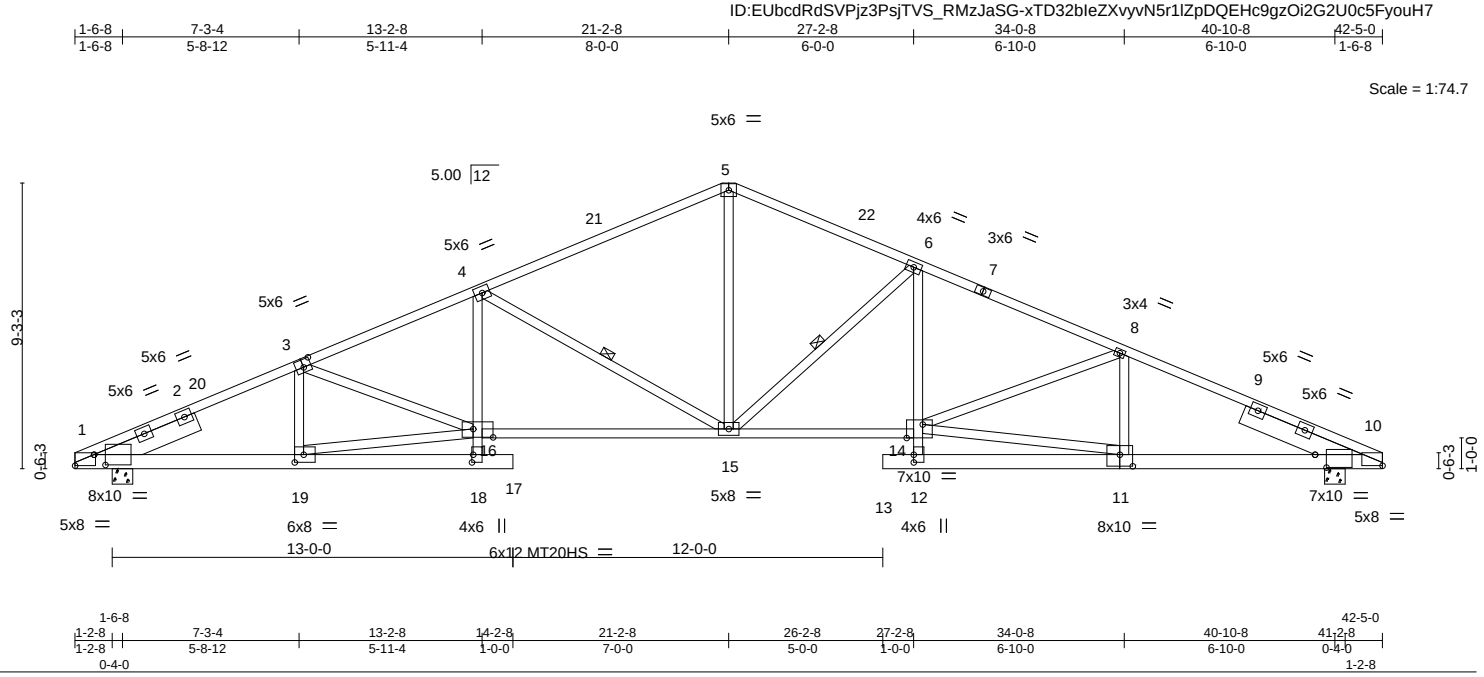

Plate Offsets (X,Y)-- [1:Edge,0-4-5], [1:0-4-7,0-4-0], [3:0-3-0,0-3-0], [10:Edge,0-4-5], [10:0-4-7,0-5-0], [11:0-5-0,0-4-8], [12:0-3-0,0-0-0], [14:0-6-4,Edge], [16:0-7-12,0-3-4], [18:0-3-0,0-0-8], [19:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	0.33	13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.69	15-16	>721	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.27	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 283 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	3-5: 2x4 SP M 31
BOT CHORD	2x6 SP No.2 *Except*
	4-18,6-12: 2x4 SP No.3, 14-16: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except*
	16-19,11-14: 2x4 SP No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-6-5, Right 2x8 SP 2400F 2.0E 4-1-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 5-7-14 oc bracing. Except:
	10-0-0 oc bracing: 16-18, 12-14
WEBS	1 Row at midpt 4-15, 6-15

REACTIONS. (size) 1=0-8-0, 10=0-8-0
Max Horz 1=337(LC 11)
Max Uplift 1=-604(LC 12), 10=-605(LC 12)
Max Grav 1=2112(LC 1), 10=2109(LC 1)

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

TOP CHORD	1-3=-4344/1504, 3-4=-4501/1589, 4-5=-3160/1222, 5-6=-3122/1237, 6-8=-4241/1515, 8-10=-4319/1498
BOT CHORD	1-19=-1235/3890, 18-19=-176/399, 4-16=-124/737, 15-16=-1220/4144, 14-15=-1099/3841, 6-14=-196/835, 11-12=-102/317, 10-11=-1212/3851
WEBS	3-19=-505/264, 16-19=-1086/3550, 3-16=0/264, 4-15=-1656/649, 5-15=-576/1800, 6-15=-1463/583, 11-14=-1122/3562, 8-11=-472/284

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=79ft; L=40ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 4-4-0, Interior(1) 4-4-0 to 21-2-8, Exterior(2) 21-2-8 to 25-2-8, Interior(1) 25-2-8 to 42-1-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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=604, 10=605.

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Date:

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A10	Roof Special	6	1	T20992387
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:11 2020 Page 1
ID:EUbcdRdSVPjz3PsjTVS_RMzJaSG-QfnSFxIGKq1pWXg2aS42mdmSMY0C79mPG8m9ehyouH6

1-6-8	7-3-4	13-2-8	21-2-8	27-2-8	34-0-8	40-10-8	42-5-0
1-6-8	5-8-12	5-11-4	8-0-0	6-0-0	6-10-0	6-10-0	1-6-8

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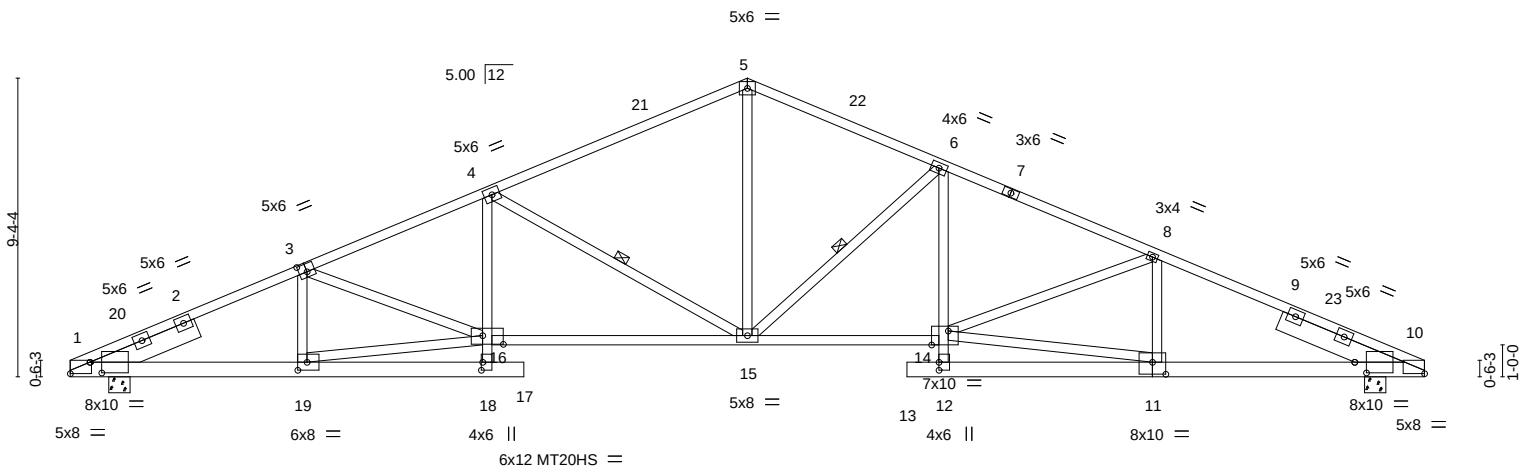

1-6-8	7-3-4	13-2-8	14-2-8	21-2-8	26-2-8	27-2-8	34-0-8	40-10-8	41-2-8	42-5-0
1-2-8	5-8-12	5-11-4	1-0-0	7-0-0	5-0-0	1-0-0	6-10-0	6-10-0	0-4-0	1-2-8
0-4-0										

Plate Offsets (X,Y)-- [1:Edge,0-4-5], [1:0-4-7,0-4-0], [3:0-3-0,0-3-0], [10:Edge,0-4-5], [10:0-4-7,0-4-0], [11:0-5-0,0-4-8], [12:0-3-0,0-0-0], [14:0-6-4,Edge], [16:0-7-12,0-3-4], [18:0-3-0,0-0-8], [19:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	0.33	13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.69	15-16	>721	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.27	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 283 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	3-5: 2x4 SP M 31
BOT CHORD	2x6 SP No.2 *Except*
	4-18,6-12: 2x4 SP No.3, 14-16: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except*
	16-19,11-14: 2x4 SP No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-6-5, Right 2x8 SP 2400F 2.0E 4-1-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 5-9-1 oc bracing. Except:
	10-0-0 oc bracing: 16-18, 12-14
WEBS	1 Row at midpt 4-15, 6-15

REACTIONS. (size) 1=0-8-0, 10=0-8-0
Max Horz 1=-284(LC 10)
Max Uplift 1=-604(LC 12), 10=-605(LC 12)
Max Grav 1=2112(LC 1), 10=2109(LC 1)

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

TOP CHORD	1-3=-4344/1449, 3-4=-4501/1543, 4-5=-3160/1185, 5-6=-3122/1200, 6-8=-4241/1471, 8-10=-4319/1446
BOT CHORD	1-19=-1189/3873, 18-19=-170/397, 4-16=-112/737, 15-16=-1178/4144, 14-15=-1057/3841, 6-14=-185/833, 11-12=-97/317, 10-11=-1172/3851
WEBS	3-19=-505/260, 16-19=-1044/3535, 3-16=0/264, 4-15=-1578/629, 5-15=-558/1800, 6-15=-1407/561, 11-14=-1084/3562, 8-11=-472/279

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 42-1-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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=604, 10=605.

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Date:

August 11,2020

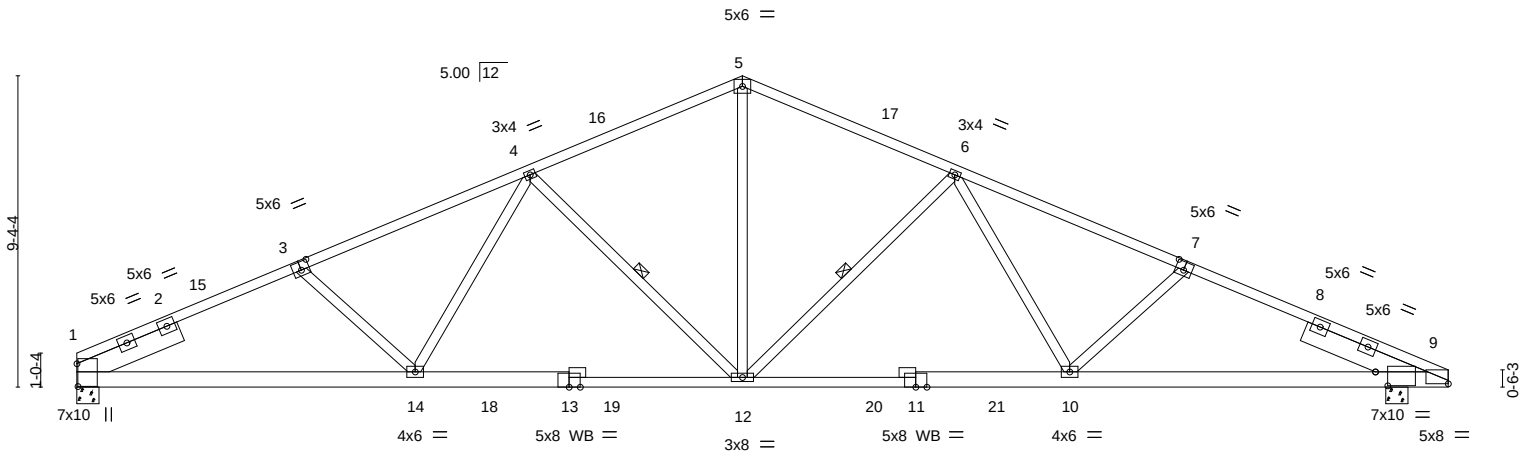
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A11	COMMON	1	1	T20992388
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:12 2020 Page 1
ID:EUbcdRdSVPjz3PsjTVS_RMzJaSG-usLqSHJu589g8hFE8AbHIrJeSyObscrYVoViA7youH5

1-6-8 | 7-11-7 | 14-9-15 | 21-2-8 | 27-7-1 | 34-5-9 | 40-10-8 | 42-5-0
1-6-8 | 6-4-15 | 6-10-8 | 6-4-9 | 6-4-9 | 6-10-8 | 6-4-15 | 1-6-8

Scale = 1:69.2



1-6-8 | 11-4-8 | 21-2-8 | 31-0-8 | 40-10-8 | 42-5-0
1-2-8 | 9-10-0 | 9-10-0 | 9-10-0 | 9-10-0 | 1-2-8
0-4-0 | | | | | 0-4-0 1-2-8

Plate Offsets (X,Y)-- [1:0-8-3,0-0-6], [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [9:0-4-7,0-5-0], [9:Edge,0-4-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.25	12-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.57	12-14	>864	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 251 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1 *Except*
	1-3: 2x4 SP M 31, 7-9: 2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	11-13: 2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Left 2x8 SP 2400F 2.0E 3-4-3, Right 2x8 SP 2400F 2.0E 3-10-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 6-5-11 oc bracing.
WEBS	1 Row at midpt 6-12, 4-12

REACTIONS. (size) 1=0-8-0, 9=0-8-0
Max Horz 1=337(LC 11)
Max Uplift 1=-605(LC 12), 9=-605(LC 12)
Max Grav 1=2063(LC 17), 9=2070(LC 18)

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

TOP CHORD	1-3=-3854/1419, 3-4=-3527/1338, 4-5=-2639/1140, 5-6=-2636/1137, 6-7=-3797/1409, 7-9=-4190/1525
BOT CHORD	1-14=-1125/3579, 12-14=-891/3142, 10-12=-926/3054, 9-10=-1245/3725
WEBS	5-12=-549/1547, 6-12=-1154/503, 6-10=-156/769, 7-10=-517/381, 4-12=-1031/464, 4-14=-79/523, 3-14=-268/292

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=79ft; L=40ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 5-2-8, Interior(1) 5-2-8 to 21-2-8, Exterior(2) 21-2-8 to 25-2-8, Interior(1) 25-2-8 to 42-1-0 zone; cantilever 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=605, 9=605.

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Date:

August 11,2020

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A12	Roof Special	4	1	T20992389
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:14 2020 Page 1
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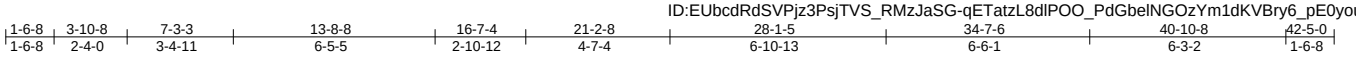

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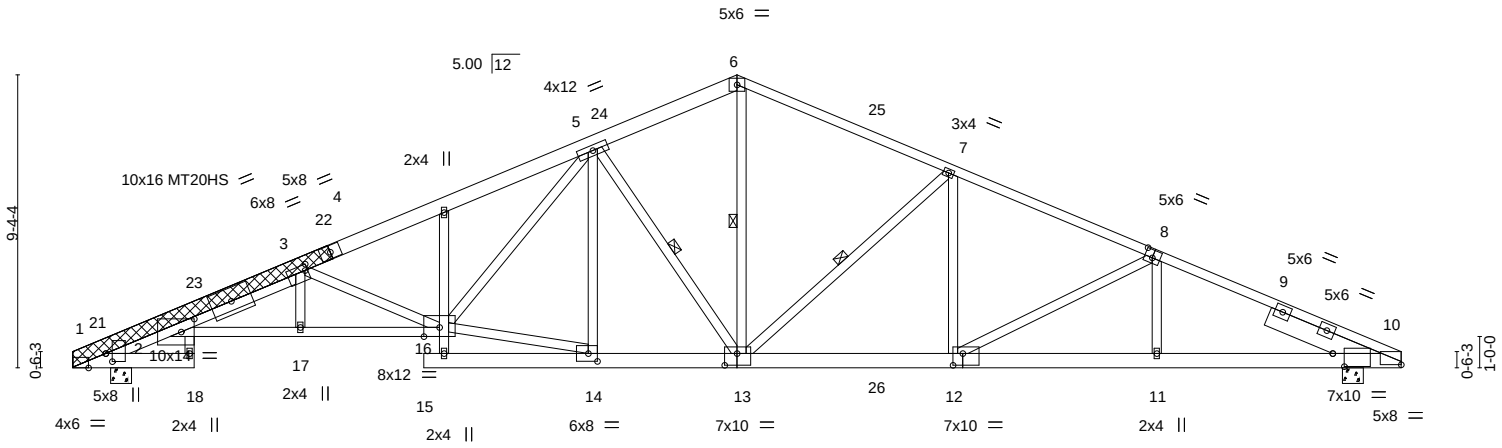

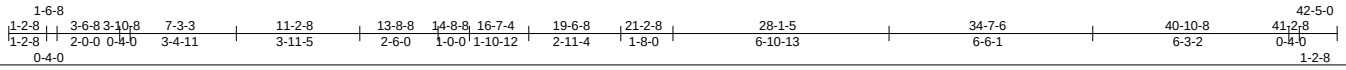

Plate Offsets (X,Y)-- [1:0-3-1,0-2-8], [1:0-6-10,Edge], [2:0-1-12,0-0-0], [2:0-5-0,0-5-0], [3:0-1-0,0-2-4], [8:0-3-0,0-3-0], [10:0-4-7,0-5-0], [10:Edge,0-4-5], [12:0-3-12,0-4-8], [13:0-4-12,0-4-8], [14:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.42	15	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-1.14	15	>438	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.37	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 352 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	4-6: 2x6 SP No.2, 1-4: 2x6 SP M 26, 1-3: 2x4 SP No.1
BOT CHORD	2x6 SP No.2 *Except*
	2-16: 2x4 SP M 31, 6-13: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except*
	14-16: 2x4 SP No.2
OTHERS	2x6 SP M 26
LBR SCAB	1-4 2x6 SP M 26 both sides
SLIDER	Right 2x8 SP 2400F 2.0E 3-9-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
	7-1-0 oc bracing: 6-13
WEBS	1 Row at midpt 7-13, 5-13

REACTIONS. (size) 1=0-8-0, 10=0-8-0
Max Horz 1=335(LC 11)
Max Uplift 1=-604(LC 12), 10=-616(LC 12)
Max Grav 1=2111(LC 1), 10=2091(LC 1)

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

TOP CHORD	1-2=-860/310, 2-3=-6073/2159, 3-5=-4764/1726, 5-6=-2757/1209, 6-7=-2798/1185,
	7-8=-3621/1371, 8-10=-4305/1527
BOT CHORD	2-17=-1993/6052, 16-17=-1991/6049, 6-13=-648/1678, 13-14=-862/3087,
	12-13=-973/3261, 11-12=-1247/3835, 10-11=-1245/3838
WEBS	7-13=-1191/466, 7-12=-69/550, 8-12=-714/339, 8-11=0/261, 5-14=-362/291,
	14-16=-877/3141, 5-16=-644/1906, 3-16=-1971/824, 5-13=-1210/453

NOTES-

1) Attached 9-0-0 scab 1 to 4, both face(s) 2x6 SP M 26 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 0-3-8 from end at joint 1, nail 3 row(s) at 4" o.c. for 5-4-1.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=79ft; L=40ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 4-4-0, Interior(1) 4-4-0 to 21-2-8, Exterior(2) 21-2-8 to 25-2-8, Interior(1) 25-2-8 to 42-1-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Solid blocking is required on both sides of the truss at joint(s), 1.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=604, 10=616.

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Date:

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A13	ROOF SPECIAL	6	1	T20992390
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:15 2020 Page 1
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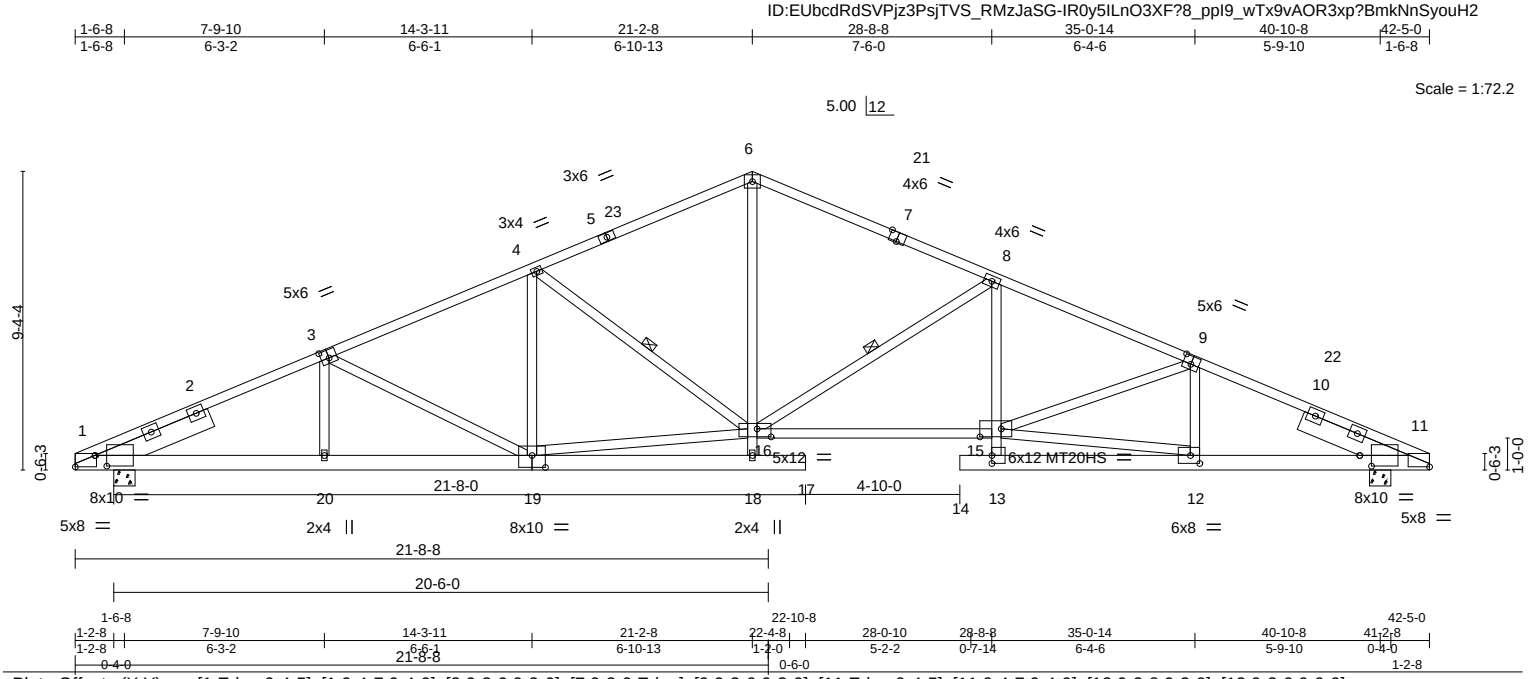

Plate Offsets (X,Y)-- [1:Edge,0-4-5], [1:0-4-7,0-4-0], [3:0-3-0,0-3-0], [7:0-3-0,Edge], [9:0-3-0,0-3-0], [11:Edge,0-4-5], [11:0-4-7,0-4-0], [12:0-3-8,0-3-0], [13:0-3-0,0-0-0], [15:0-8-0,0-3-0], [16:0-5-4,0-3-0], [19:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	0.30	14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.71	15-16	>702	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	-0.23	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 292 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP M 31 *Except*
	3-5,9-11,1-3: 2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	8-13: 2x4 SP No.3, 15-16: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except*
	12-15,16-19: 2x4 SP No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-9-12, Right 2x8 SP 2400F 2.0E 3-6-13

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
	10-0-0 oc bracing: 13-15
WEBS	1 Row at midpt 8-16, 4-16

REACTIONS. (size) 11=0-8-0, 1=0-8-0
Max Horz 11=337(LC 11)
Max Uplift 11=-600(LC 12), 1=-605(LC 12)
Max Grav 11=2119(LC 1), 1=2110(LC 1)

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

TOP CHORD	6-8=-3171/1227, 8-9=-4435/1544, 9-11=-4364/1494, 1-3=-4350/1502, 3-4=-3663/1342, 4-6=-3112/1216
BOT CHORD	12-13=-173/382, 11-12=-1227/3911, 8-15=-117/772, 15-16=-1162/4063, 1-20=-1223/3880, 19-20=-1225/3877
WEBS	9-12=-466/256, 12-15=-1078/3579, 8-16=-1587/600, 4-16=-791/364, 3-19=-732/347, 3-20=0/261, 16-19=-942/3244, 6-16=-555/1786

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=79ft; L=40ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 4-4-0, Interior(1) 4-4-0 to 21-2-8, Exterior(2) 21-2-8 to 25-2-8, Interior(1) 25-2-8 to 42-1-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) All plates are 5x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=600, 1=605.

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August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A14	Hip	1	1	T20992391
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:16 2020 Page 1
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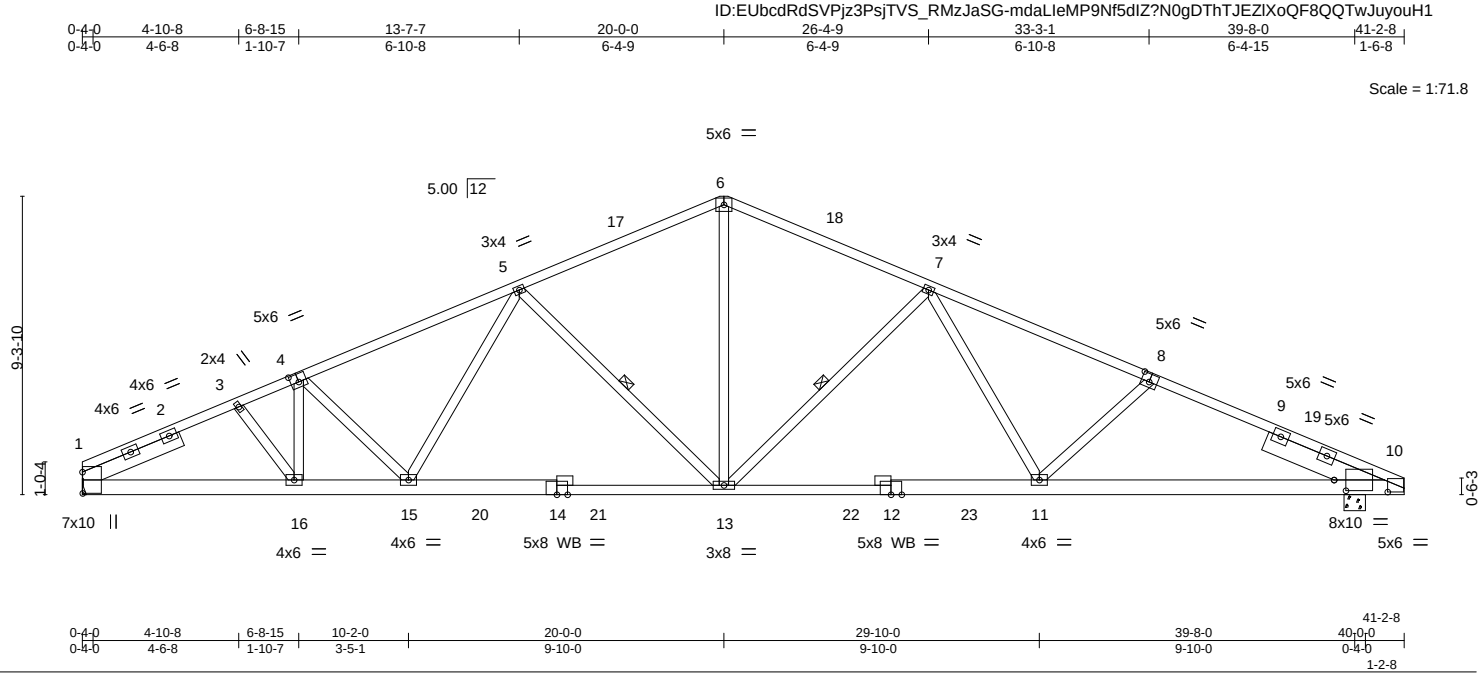

Plate Offsets (X,Y)-- [1:0-7-15,0-0-2], [4:0-3-0,0-3-0], [8:0-3-0,0-3-0], [10:0-4-7,0-4-0], [10:1-8-1,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.97	Vert(LL)	-0.24	11-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.53	11-13	>933	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 257 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	1-4: 2x4 SP No.1
BOT CHORD	2x6 SP No.2 *Except*
	12-14: 2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Left 2x6 SP No.2 3-4-3, Right 2x8 SP 2400F 2.0E 3-10-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 6-7-5 oc bracing.
WEBS	1 Row at midpt 7-13, 5-13

REACTIONS. (size) 1=Mechanical, 10=0-8-0
Max Horz 1=-284(LC 10)
Max Uplift 1=-605(LC 12), 10=-605(LC 12)
Max Grav 1=2044(LC 1), 10=2044(LC 1)

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

TOP CHORD	1-3=-3705/1316, 3-4=-3615/1340, 4-5=-3547/1308, 5-6=-2636/1105, 6-7=-2637/1104, 7-8=-3745/1369, 8-10=-4150/1480
BOT CHORD	1-16=-1038/3271, 15-16=-1076/3509, 13-15=-861/3039, 11-13=-892/3053, 10-11=-1209/3703
WEBS	6-13=-532/1534, 7-13=-1096/488, 7-11=-148/743, 8-11=-491/370, 5-13=-971/452, 5-15=-85/569, 4-15=-349/252, 4-16=-352/112, 3-16=-88/429

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 4-2-8, Interior(1) 4-2-8 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 42-1-0 zone; cantilever 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, with BCDL = 10.0psf.
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) except (jt=lb) 1=605, 10=605.

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August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A15	Hip	1	1	T20992392
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:17 2020 Page 1
ID:EUbcdRdSVPjz3PsjTVS_RMzJaSG-Ep8jW_N1wgnyFS8CxjBS?u0V5z3KXteHf4DTrLyouH0

5-1-13	11-6-3	17-10-8	21-8-0	22-1-8	26-6-0	28-5-13	34-10-3	41-2-8
5-1-13	6-4-5	6-4-5	3-9-8	0-5-8	4-4-8	1-11-13	6-4-5	6-4-5

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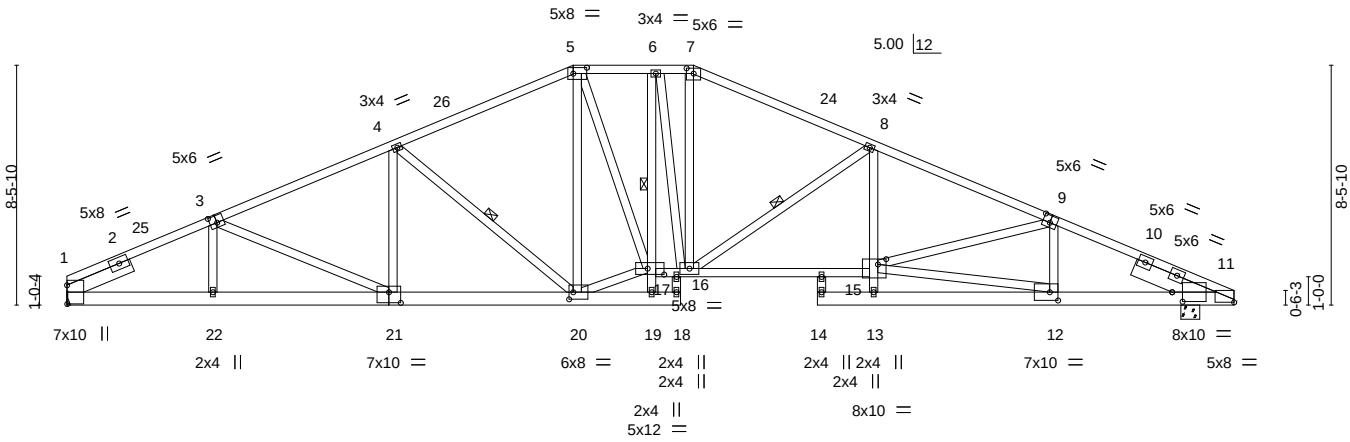

5-1-13	11-6-3	17-10-8	21-8-0	22-1-8	26-6-0	28-5-13	34-10-3	40-0-0	41-2-8
5-1-13	6-4-5	6-4-5	3-9-8	0-5-8	4-4-8	1-11-13	6-4-5	5-1-13	1-2-8

Plate Offsets (X,Y)-- [1:0-7-15,0-0-2], [3:0-3-0,0-3-0], [5:0-5-12,0-2-8], [7:0-3-0,0-2-4], [9:0-3-0,0-3-0], [11:0-4-7,0-4-0], [11:Edge,0-4-5], [12:0-3-8,0-3-8], [15:0-3-8,0-2-4], [17:0-7-0,0-2-8], [20:0-1-12,0-3-0], [21:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	0.31	14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.60	15-16	>812	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	-0.23	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 311 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1 *Except*
	5-7,9-11: 2x4 SP No.2, 1-3: 2x4 SP M 31
BOT CHORD	2x6 SP No.2 *Except*
	14-23,16-18: 2x4 SP No.3, 15-17: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except*
	12-15,17-20: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 2-5-13, Right 2x8 SP 2400F 2.0E 3-0-6

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-5-5 oc bracing.
WEBS	1 Row at midpt 8-16, 6-19, 4-20

REACTIONS. (size) 1=Mechanical, 11=0-8-0
Max Horz 11=-256(LC 10)
Max Uplift 1=-593(LC 12), 11=-584(LC 12)
Max Grav 1=2065(LC 1), 11=2080(LC 1)

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

TOP CHORD	7-8=-3326/1338, 8-9=-4646/1692, 9-11=-4322/1518, 5-6=-2963/1311, 6-7=-2986/1319, 1-3=-3759/1372, 3-4=-3562/1378, 4-5=-2930/1240
BOT CHORD	11-12=-1261/3857, 16-17=-819/2967, 15-16=-1335/4240, 1-22=-1090/3263, 21-22=-1093/3265, 20-21=-1042/3241
WEBS	9-12=-567/306, 9-15=-55/393, 8-15=-157/854, 5-20=-289/52, 4-21=0/307, 7-16=-263/824, 8-16=-1548/622, 12-15=-1254/3825, 6-17=-265/86, 4-20=-870/407, 6-16=-112/251, 5-17=-307/1026, 17-20=-760/2690

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 4-2-8, Interior(1) 4-2-8 to 19-1-0, Exterior(2) 19-1-0 to 27-6-15, Interior(1) 27-6-15 to 42-1-0 zone; cantilever 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=593, 11=584.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A16	Hip	1	1	T20992393
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:19 2020 Page 1

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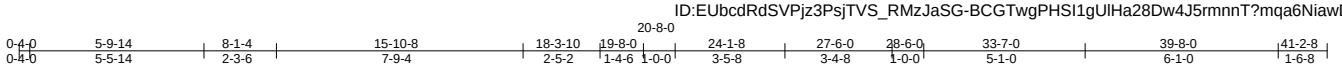

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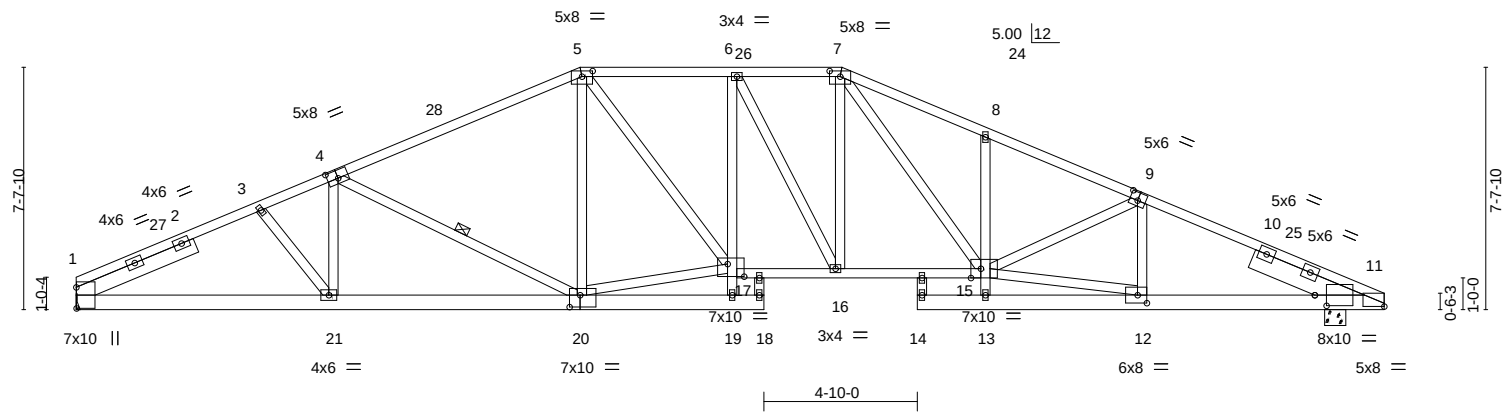

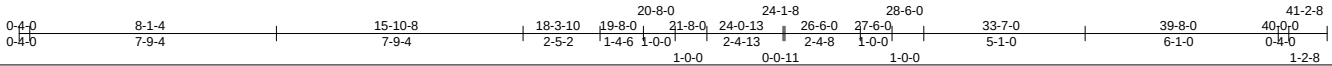

Plate Offsets (X,Y)-- [1:0-7-15,0-0-2], [4:0-4-0,0-3-0], [5:0-4-0,0-2-2], [7:0-4-0,0-2-2], [9:0-3-0,0-3-0], [11:Edge,0-4-5], [11:0-4-7,0-4-0], [12:0-3-8,0-3-0], [15:0-3-12,Edge], [17:0-6-4,0-4-12], [20:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	0.28	14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.55	14	>885	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	-0.22	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 303 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-5,9-11: 2x4 SP M 31, 1-4: 2x4 SP No.1
BOT CHORD	2x6 SP No.2 *Except* 15-17: 2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 12-15,17-20: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 4-1-0, Right 2x8 SP 2400F 2.0E 3-8-10

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 5-10-0 oc bracing.
WEBS	1 Row at midpt 4-20

REACTIONS. (size) 1=Mechanical, 11=0-8-0
Max Horz 11=230(LC 11)
Max Uplift 1=-592(LC 12), 11=-583(LC 12)
Max Grav 1=2066(LC 1), 11=2081(LC 1)

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

TOP CHORD	7-8=-4461/1815, 8-9=-4448/1675, 9-11=-4275/1516, 5-6=-3466/1477, 6-7=-3282/1414, 1-3=-3802/1405, 3-4=-3685/1425, 4-5=-3188/1294
BOT CHORD	11-12=-1268/3810, 16-17=-1038/3480, 15-16=-970/3280, 1-21=-1121/3273, 20-21=-1172/3456
WEBS	9-12=-568/304, 12-15=-1266/3759, 9-15=-19/331, 7-15=-563/1354, 4-20=-762/371, 8-15=-403/315, 5-17=-355/1110, 7-16=-68/434, 6-16=-549/202, 17-20=-851/2848, 3-21=-78/294

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 4-2-8, Interior(1) 4-2-8 to 17-1-6, Exterior(2) 17-1-6 to 21-4-4, Interior(1) 21-4-4 to 25-3-10, Exterior(2) 25-3-10 to 29-6-9, Interior(1) 29-6-9 to 42-1-0 zone; cantilever 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 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=592, 11=583.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A17	Roof Special	1	1	T20992394
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:20 2020 Page 1
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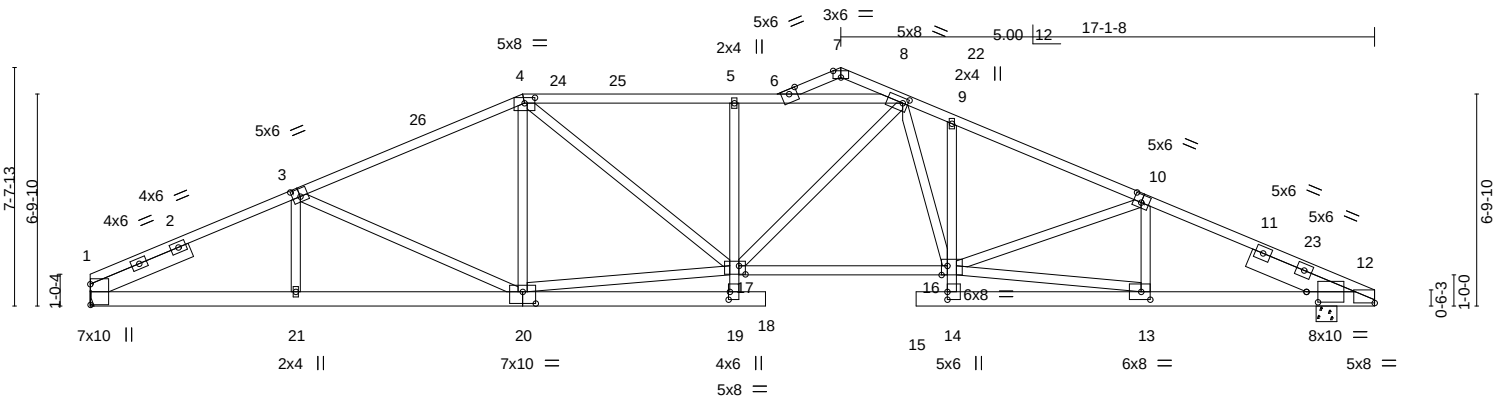

4-10-0

0-4-0 6-7-3 13-10-8 20-8-0 21-8-0 26-6-0 27-6-0 33-10-6 39-8-0 41-2-8 40-0-0
0-4-0 6-3-2 7-3-5 6-9-8 1-0-0 4-10-0 1-0-0 6-4-6 5-9-10 0-4-0
1-2-8

Plate Offsets (X,Y)-- [1:0-7-15,0-0-2], [3:0-3-0,0-3-0], [4:0-4-0,0-2-2], [7:0-3-0,Edge], [8:0-2-0,0-2-0], [10:0-3-0,0-3-0], [12:0-4-7,0-4-0], [12:Edge,0-4-5], [13:0-3-8,0-3-0], [14:0-3-0,0-0-0], [16:0-2-4,Edge], [17:0-2-8,0-3-4], [19:0-3-0,0-0-8], [20:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	0.32	16-17	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.68	16-17	>726	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	-0.21	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 291 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	4-8: 2x4 SP No.1, 3-4,1-3: 2x4 SP M 31
BOT CHORD	2x6 SP No.2 *Except*
	9-14,5-19: 2x4 SP No.3, 16-17: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except*
	13-16,17-20: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 3-6-0, Right 2x8 SP 2400F 2.0E 3-6-13

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 6-2-14 oc bracing. Except:
	10-0-0 oc bracing: 14-16, 17-19

REACTIONS. (size) 1=Mechanical, 12=0-8-0
Max Horz 12=230(LC 11)
Max Uplift 1=-595(LC 12), 12=-590(LC 12)
Max Grav 1=2061(LC 1), 12=2069(LC 1)

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

TOP CHORD	7-8=-387/221, 8-9=-4257/1667, 9-10=-4263/1562, 10-12=-4257/1506, 4-5=-3892/1571, 5-6=-3911/1571, 6-8=-3553/1404, 1-3=-3881/1403, 3-4=-3337/1307, 6-7=-389/206
BOT CHORD	13-14=-134/360, 12-13=-1224/3800, 9-16=-438/275, 16-17=-1021/3492, 5-17=-646/387, 1-21=-1132/3370, 20-21=-1135/3368, 19-20=-96/270
WEBS	10-13=-452/270, 13-16=-1111/3490, 8-17=-267/773, 3-20=-467/260, 8-16=-415/1200, 4-17=-384/1149, 17-20=-822/2760

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 4-2-8, Interior(1) 4-2-8 to 15-1-6, Exterior(2) 15-1-6 to 18-1-6, Interior(1) 18-1-6 to 25-3-8, Exterior(2) 25-3-8 to 28-3-8, Interior(1) 28-3-8 to 42-1-0 zone; cantilever 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=595, 12=590.
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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Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	A18	Roof Special	1	1	T20992395
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:21 2020 Page 1
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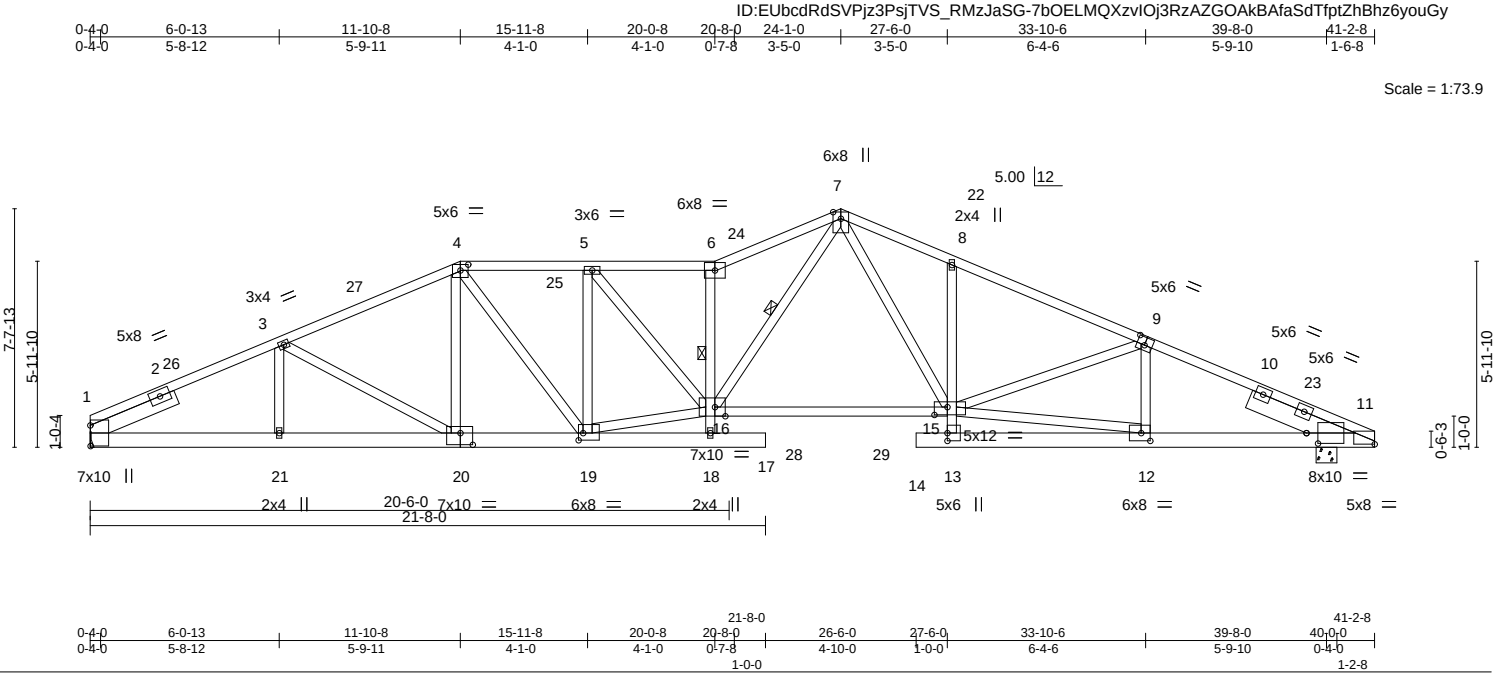

Plate Offsets (X,Y)-- [1:0-7-15,0-0-2], [4:0-3-0,0-2-4], [9:0-3-0,0-3-0], [11:0-4-7,0-4-0], [11:Edge,0-4-5], [12:0-3-8,0-3-0], [13:0-3-0,0-0-0], [15:0-5-0,0-3-0], [16:0-4-0,Edge], [19:0-1-12,0-2-12], [20:0-4-12,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.93	Vert(LL)	0.39	17	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.89	15-16	>551	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	-0.23	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 292 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	7-9: 2x4 SP No.1, 1-4: 2x4 SP M 31
BOT CHORD	2x6 SP No.2 *Except*
	8-13: 2x4 SP No.3, 15-16: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except*
	12-15,16-19: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 3-0-0, Right 2x8 SP 2400F 2.0E 3-6-13

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 6-5-11 oc bracing. Except:
	10-0-0 oc bracing: 13-15
WEBS	1 Row at midpt 7-16, 6-18

REACTIONS. (size) 1=Mechanical, 11=0-8-0
Max Horz 11=-230(LC 10)
Max Uplift 1=-591(LC 12), 11=-586(LC 12)
Max Grav 1=2067(LC 1), 11=2076(LC 1)

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

TOP CHORD	7-8=-4279/1683, 8-9=-4288/1566, 9-11=-4275/1516, 6-7=-5006/1990, 4-5=-3638/1492, 5-6=-4563/1767, 1-3=-3829/1393, 3-4=-3499/1374
BOT CHORD	12-13=-148/335, 11-12=-1226/3817, 8-15=-446/313, 15-16=-911/3249, 1-21=-1134/3318, 20-21=-1134/3318, 19-20=-1005/3174
WEBS	9-12=-457/266, 12-15=-1091/3542, 7-15=-474/1394, 7-16=-975/2482, 5-16=-419/1406, 5-19=-1389/532, 4-19=-286/820, 4-20=-38/314, 16-19=-1154/3613, 6-16=-2200/965

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 4-2-8, Interior(1) 4-2-8 to 13-1-0, Exterior(2) 13-1-0 to 16-1-0, Interior(1) 16-1-0 to 25-3-8, Exterior(2) 25-3-8 to 28-3-8, Interior(1) 28-3-8 to 42-1-0 zone; cantilever 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, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=591, 11=586.

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Date:

August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2511957	A19	Hip	1	1	T20992396
					Job Reference (optional)

8.240 s Jun 26 2020 MiTek Industries, Inc. Tue Aug 11 16:09:31 2020 Page 1
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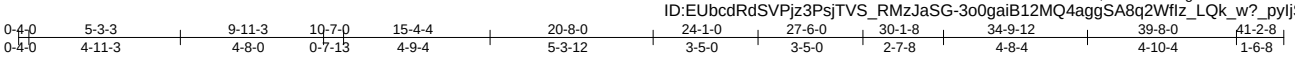

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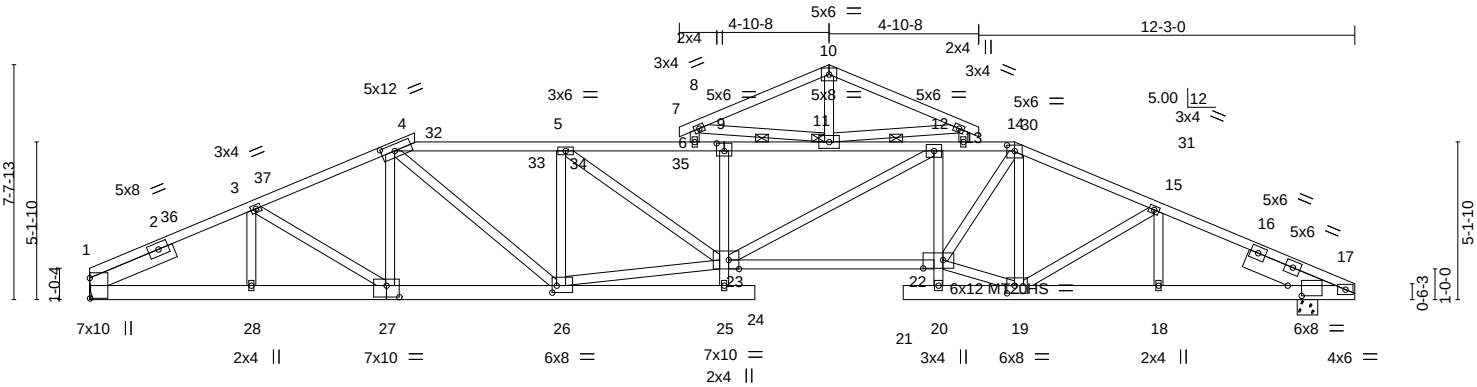

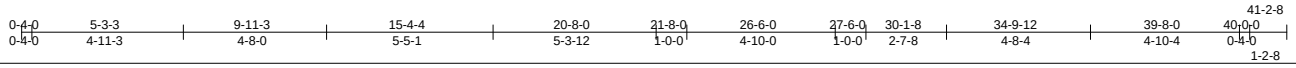

Plate Offsets (X,Y)-- [1:0-7-15,0-0-2], [4:0-5-4,0-2-8], [9:0-3-0,0-3-0], [14:0-3-0,0-2-4], [17:0-5-7,0-4-0], [19:0-3-0,0-3-0], [22:0-7-12,0-3-4], [23:0-4-0,Edge], [26:0-1-12,0-2-12], [27:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.38	24	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.78	22-23	>631	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	-0.22	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 312 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 1-4,9-14: 2x4 SP M 31
BOT CHORD	2x6 SP No.2 *Except* 12-20: 2x4 SP No.3, 22-23: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except* 19-22,23-26: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-10

BRACING-

TOP CHORD	Structural wood sheathing directly applied. Except: 1 Row at midpt 6-11, 11-13
BOT CHORD	Rigid ceiling directly applied or 5-5-1 oc bracing. Except: 10-0-0 oc bracing: 20-22
JOINTS	1 Brace at Jt(s): 11

REACTIONS. (lb/size) 1=1943/Mechanical, 17=1850/0-8-0
Max Horz 17=-195(LC 10)
Max Uplift 1=-549(LC 12), 17=-533(LC 12)

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

TOP CHORD	14-31=-3314/1454, 15-31=-3328/1432, 15-16=-3682/1540, 16-17=-3769/1517, 4-32=-3831/1667, 32-33=-3835/1666, 33-34=-3841/1665, 5-34=-3842/1665, 5-35=-4875/2026, 6-35=-4875/2026, 6-9=-4875/2026, 9-11=-4895/2027, 11-12=-4895/2197, 12-13=-4120/1769, 13-14=-4121/1769, 1-2=-3538/1366, 2-36=-3425/1371, 3-36=-3414/1383, 3-37=-3342/1378, 4-37=-3296/1398
BOT CHORD	18-19=-1139/3356, 17-18=-1139/3356, 12-22=-553/376, 22-23=-1310/4164, 1-28=-1111/3043, 27-28=-1111/3043, 26-27=-1022/3021
WEBS	15-19=-482/247, 14-19=-739/206, 19-22=-869/3029, 14-22=-686/2002, 12-23=-473/956, 5-23=-449/1274, 5-26=-1312/627, 4-26=-462/1131, 9-23=-415/345, 23-26=-1322/3723

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 4-2-8, Interior(1) 4-2-8 to 11-5-14, Exterior(2) 11-5-14 to 15-8-12, Interior(1) 15-8-12 to 25-2-13, Exterior(2) 31-4-0 to 35-6-15, Interior(1) 35-6-15 to 42-1-0 zone; cantilever 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 549 lb uplift at joint 1 and 533 lb uplift at joint 17.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2511957	A20	Roof Special	1	1	T20992397

Job Reference (optional)

8.240 s Jun 26 2020 MiTek Industries, Inc. Tue Aug 11 16:24:22 2020 Page 1
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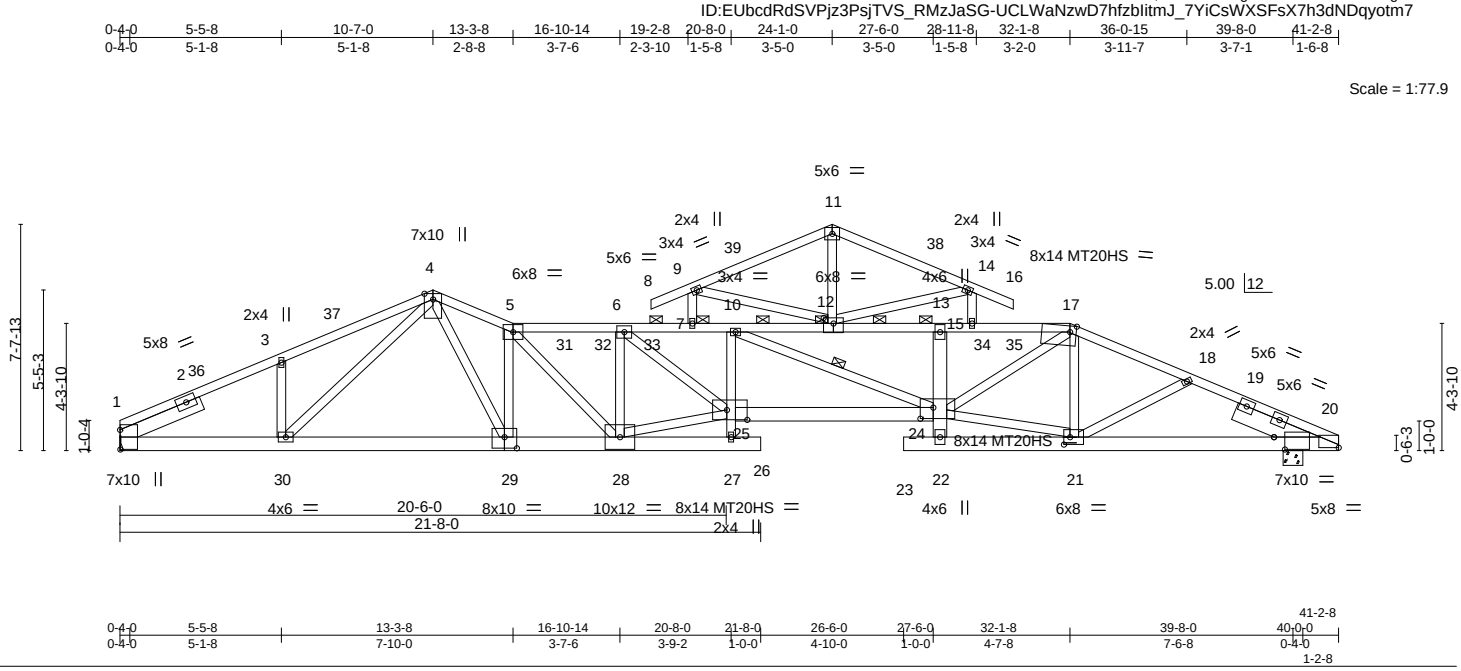

Plate Offsets (X,Y)-- [1:0-7-15,0-0-2], [12:0-4-0,0-2-4], [17:0-2-9,0-2-7], [20:Edge,0-4-5], [20:0-4-7,0-5-0], [21:0-2-8,0-3-0], [24:0-5-4,0-4-8], [25:0-8-4,0-4-0], [29:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	0.69	26	>712	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-1.12	26	>440	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	-0.28	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 324 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	12-17: 2x4 SP No.1, 1-4,5-12: 2x4 SP M 31
BOT CHORD	2x6 SP No.2 *Except*
	24-25: 2x6 SP M 26
WEBS	2x4 SP No.3 *Except*
	21-24,17-24,4-29: 2x4 SP No.2, 25-28: 2x4 SP No.1
SLIDER	Left 2x6 SP No.2 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 1-7-10 oc purlins. Except:
	1 Row at midpt 7-12
	2 Rows at 1/3 pts 12-15
	2-5-0 oc bracing: 6-7
BOT CHORD	Rigid ceiling directly applied or 4-9-2 oc bracing. Except:
	10-0-0 oc bracing: 22-24
WEBS	1 Row at midpt 10-24
JOINTS	1 Brace at Jt(s): 12, 7

REACTIONS. (lb/size) 1=2108/Mechanical, 20=2136/0-8-0
Max Horz 20=205(LC 11)
Max Uplift 1=-715(LC 12), 20=-761(LC 12)

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

TOP CHORD	17-18=-4186/2285, 18-19=-4328/2350, 19-20=-4418/2332, 5-31=-5463/3085, 31-32=-5463/3085, 6-32=-5463/3085, 6-33=-7482/4163, 7-33=-7482/4163, 7-10=-7482/4163, 10-12=-6491/3700, 12-13=-6491/3610, 13-15=-6356/3612, 15-34=-6356/3612, 34-35=-6356/3612, 17-35=-6357/3612, 4-5=-5201/2861, 1-2=-3911/1882, 2-36=-3798/1887, 3-36=-3787/1897, 3-37=-3698/1956, 4-37=-3649/1970, 11-38=-268/225, 14-38=-308/206, 9-39=-311/194, 11-39=-268/214
BOT CHORD	21-22=-536/938, 20-21=-2117/3938, 13-24=-453/609, 24-25=-3958/7541, 1-30=-1549/3374, 29-30=-1556/3320, 28-29=-2433/4900
WEBS	17-21=-514/407, 21-24=-1514/2977, 17-24=-1730/3015, 6-25=-1360/2549, 5-29=-2736/1663, 4-29=-1800/3262, 14-15=-450/570, 7-9=-451/562, 12-14=-53/253, 9-12=-68/260, 10-24=-1358/972, 25-28=-2862/5492, 6-28=-2043/1266, 5-28=-615/832

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 4-2-8, Interior(1) 4-2-8 to 11-9-8, Exterior(2) 11-9-8 to 14-6-0, Interior(1) 19-2-0 to 25-3-8, Exterior(2) 14-6-0 to 17-6-0, Interior(1) 17-6-0 to 33-4-0, Exterior(2) 25-3-8 to 28-3-8, Interior(1) 28-3-8 to 42-1-0 zone; cantilever 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 715 lb uplift at joint 1 and 761 lb uplift at joint 20.

Continued on page 2

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Date:

August 11,2020

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Tampa, FL 36610

NOTES-

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	B03	Hip Girder	1	1	T20992398
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:25 2020 Page 1
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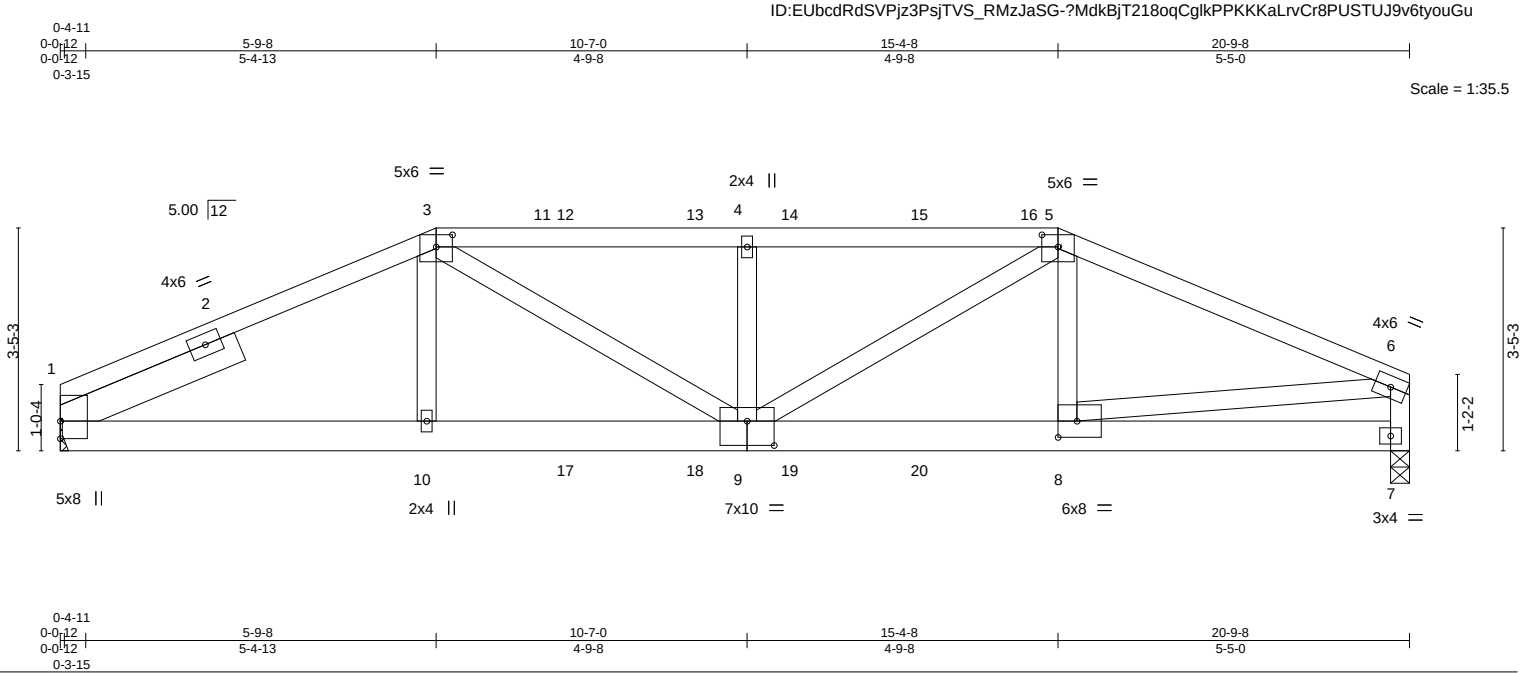

Plate Offsets (X,Y)-- [3:0-3-0,0-2-4], [5:0-3-0,0-2-4], [8:0-3-8,0-3-0], [9:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.97	Vert(LL)	0.15	9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.23	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 124 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 3-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-8 oc bracing.

REACTIONS. (size) 1=Mechanical, 7=0-3-8
Max Horz 1=86(LC 7)
Max Uplift 1=-706(LC 8), 7=-729(LC 8)
Max Grav 1=1656(LC 1), 7=1688(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-2998/1325, 3-4=-3298/1543, 4-5=-3298/1543, 5-6=-2760/1237, 6-7=-1608/737
BOT CHORD 1-10=-1120/2571, 9-10=-1124/2564, 8-9=-1082/2479, 7-8=-142/300
WEBS 3-10=0/331, 3-9=-399/955, 4-9=-769/507, 5-9=-406/1010, 6-8=-941/2205

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); 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) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 7 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) except (jt=lb) 1=706, 7=729.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 257 lb down and 467 lb up at 7-0-0, 107 lb down and 187 lb up at 9-0-12, 107 lb down and 187 lb up at 11-0-12, 107 lb down and 187 lb up at 12-6-4, and 107 lb down and 187 lb up at 14-6-4, and 313 lb down and 485 lb up at 16-7-0 on top chord, and 141 lb down and 29 lb up at 7-0-0, 60 lb down at 9-0-12, 60 lb down at 11-0-12, 60 lb down at 12-6-4, and 60 lb down at 14-6-4, and 141 lb down and 29 lb up at 16-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

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August 11,2020

Continued on page 2

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-80, 3-5=-80, 5-6=-80, 1-7=-20

Concentrated Loads (lb)

Vert: 5=-257(B) 10=-87(B) 3=-257(B) 8=-87(B) 12=-107(B) 13=-107(B) 14=-107(B) 15=-107(B) 17=-41(B) 18=-41(B) 19=-41(B) 20=-41(B)

6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	
2511957	B04	Hip	1	1	T20992399
					Job Reference (optional)

8.240 s Jun 26 2020 MiTek Industries, Inc. Tue Aug 11 16:26:06 2020 Page 1
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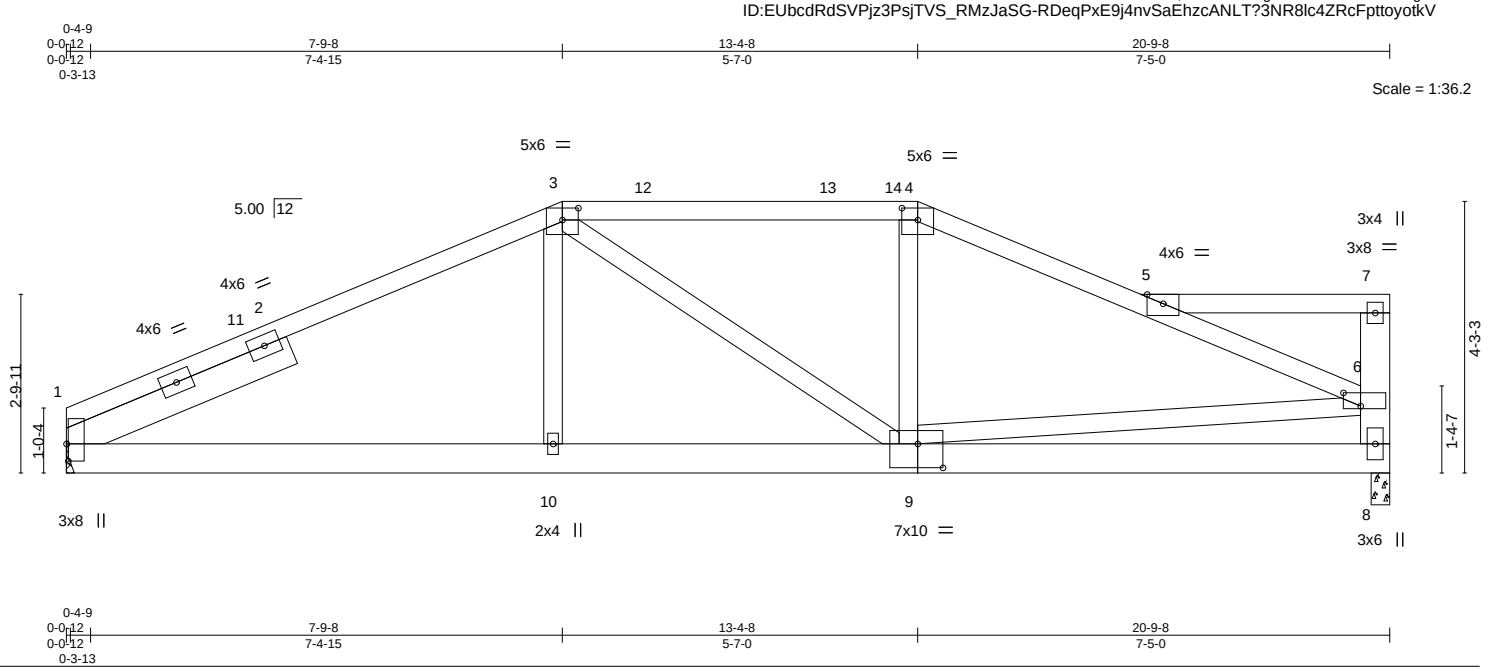

Plate Offsets (X,Y)-- [1:0-3-4,0-0-6], [3:0-3-0,0-2-4], [4:0-3-0,0-2-4], [6:0-3-4,0-2-8], [9:0-4-12,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.04	9-10	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.08	1-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 131 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x6 SP No.2
SLIDER Left 2x6 SP No.2 3-10-1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-15 oc bracing.

REACTIONS. (lb/size) 1=1028/Mechanical, 8=1028/0-3-8
Max Horz 1=130(LC 12)
Max Uplift 1=-297(LC 12), 8=-312(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1657/680, 2-11=-1533/682, 2-3=-1459/695, 3-12=-1282/664, 12-13=-1282/664, 13-14=-1282/664, 4-14=-1282/664, 4-5=-1401/641, 5-6=-1748/896, 6-8=-948/486, 5-7=-261/311
BOT CHORD 1-10=-646/1346, 9-10=-647/1340, 8-9=-553/814
WEBS 3-10=0/286, 6-9=-106/655

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 4-2-8, Interior(1) 4-2-8 to 9-0-0, Exterior(2) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 14-7-0, Exterior(2) 14-7-0 to 18-0-11, Interior(1) 18-0-11 to 21-9-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 1 and 312 lb uplift at joint 8.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2511957	B05	Roof Special	1	1	T20992400

Job Reference (optional)

8.240 s Jun 26 2020 MiTek Industries, Inc. Tue Aug 11 16:27:54 2020 Page 1
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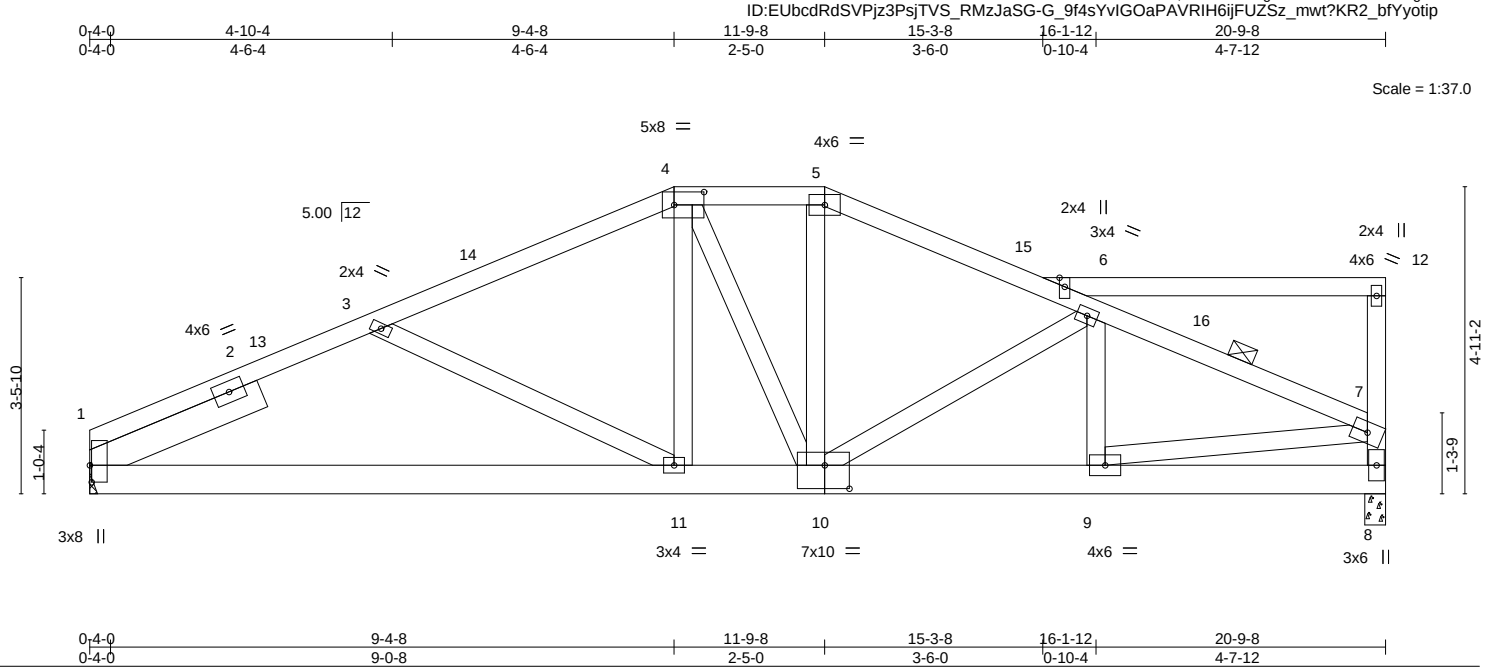

Plate Offsets (X,Y)-- [1:0-3-4,0-0-6], [4:0-5-12,0-2-8], [10:0-4-12,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.06	1-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.14	1-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 145 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x6 SP No.2 3-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-9-11 oc purlins, except end verticals. Except: 4-6-0 oc bracing: 6-7
BOT CHORD	Rigid ceiling directly applied or 9-4-8 oc bracing.

REACTIONS. (lb/size) 1=1032/Mechanical, 8=1032/0-4-0
Max Horz 1=133(LC 11)
Max Uplift 1=-305(LC 12), 8=-307(LC 12)

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

TOP CHORD	1-2=-1706/727, 2-13=-1596/738, 3-13=-1585/747, 3-14=-1369/585, 4-14=-1295/599, 4-5=-1163/629, 5-15=-1260/630, 6-15=-1336/612, 6-16=-1426/634, 7-16=-1550/623, 7-8=-962/449
BOT CHORD	1-11=-609/1427, 10-11=-379/1203, 9-10=-520/1372
WEBS	3-11=-294/260, 4-11=0/394, 5-10=-109/269, 6-10=-287/152, 7-9=-453/1210

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-2-8 to 4-2-8, Interior(1) 4-2-8 to 10-7-0, Exterior(2) 10-7-0 to 16-0-0, Interior(1) 16-0-0 to 21-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 1 and 307 lb uplift at joint 8.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	CJ1	JACK-OPEN	20	1	T20992401
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:28 2020 Page 1
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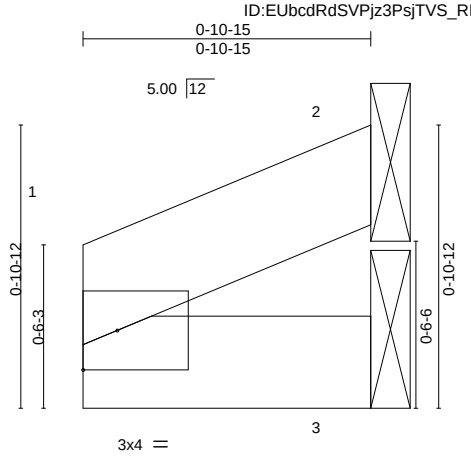

Scale = 1:7.3

0-10-15
0-10-15

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	0.04	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	3	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 3 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 0-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=Mechanical, 3=Mechanical
Max Horz 2=69(LC 1), 3=-71(LC 17)
Max Uplift 2=-27(LC 12)
Max Grav 2=90(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	CJ3	JACK-OPEN	17	1	T20992402
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:28 2020 Page 1
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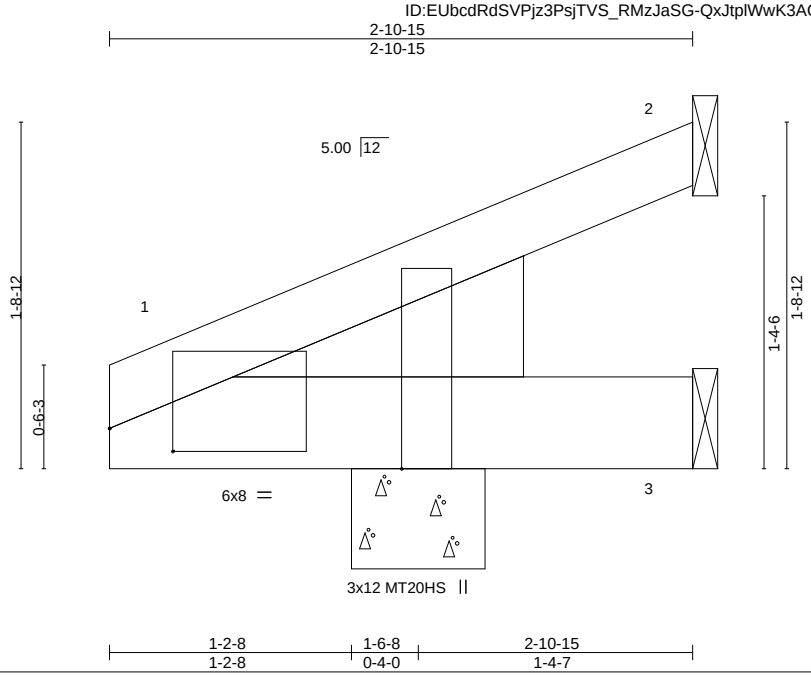

Plate Offsets (X,Y)-- [1:0-3-13,0-1-6], [1:0-2-7,Edge]

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	0.17	Vert(LL)	-0.00	1	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	1-3	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 16 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEDGE
Left: 2x8 SP 2400F 2.0E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=Mechanical, 3=Mechanical, 1=0-8-0
Max Horz 1=71(LC 12)
Max Uplift 2=-71(LC 12), 1=-19(LC 12)
Max Grav 2=104(LC 17), 3=50(LC 3), 1=126(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left 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, 1.

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Date:

August 11,2020

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	CJ3A	Jack-Open	1	1	T20992403
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:29 2020 Page 1
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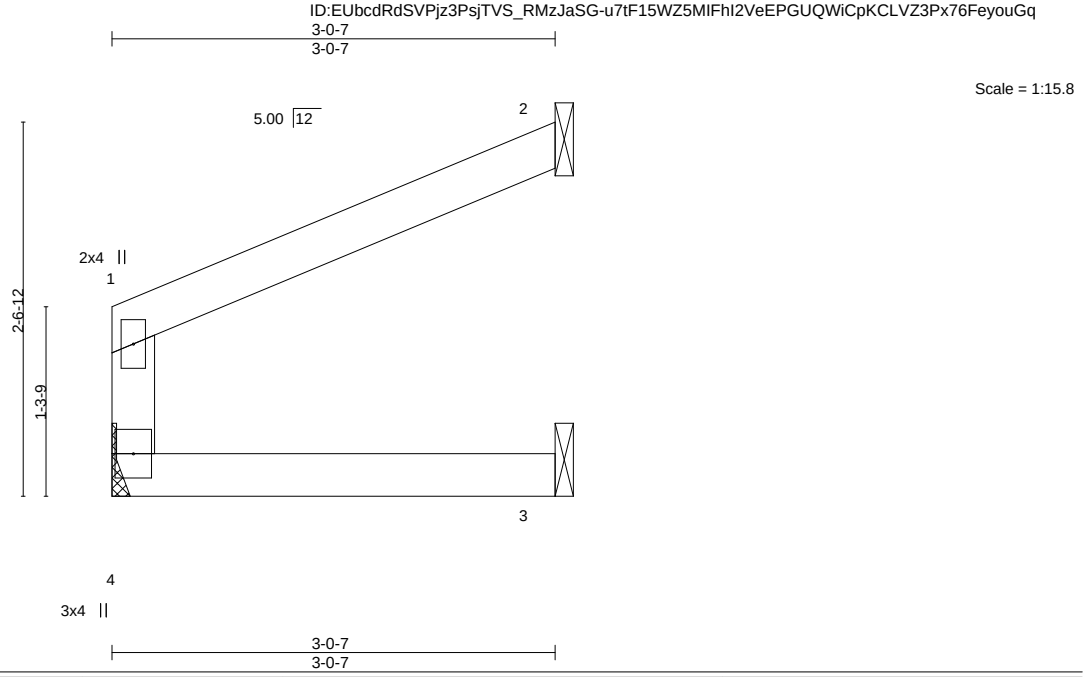

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	0.01	3-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.01	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 11 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=Mechanical, 3=Mechanical
Max Horz 4=63(LC 12)
Max Uplift 4=-5(LC 12), 2=-76(LC 12), 3=-2(LC 12)
Max Grav 4=141(LC 1), 2=110(LC 17), 3=57(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 3.

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6904 Parke East Blvd. Tampa FL 33610
Date:
August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	CJ3B	Jack-Open	2	1	T20992404
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:29 2020 Page 1
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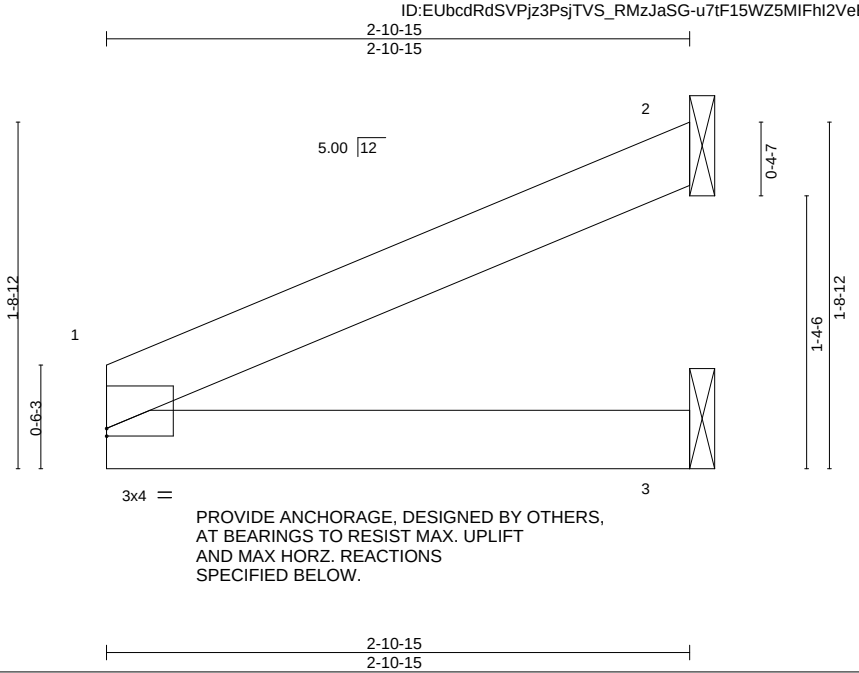

Plate Offsets (X,Y)-- [1:0-0-0,0-0-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.12	3	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-P							Weight: 9 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=Mechanical, 3=Mechanical
Max Horz 2=290(LC 1), 3=-296(LC 17)
Max Uplift 2=-84(LC 12)
Max Grav 2=285(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-267/376
BOT CHORD 1-3=-313/314

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.

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6904 Parke East Blvd. Tampa FL 33610
Date:

August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	CJ3C	Jack-Open	1	1	T20992405
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:30 2020 Page 1
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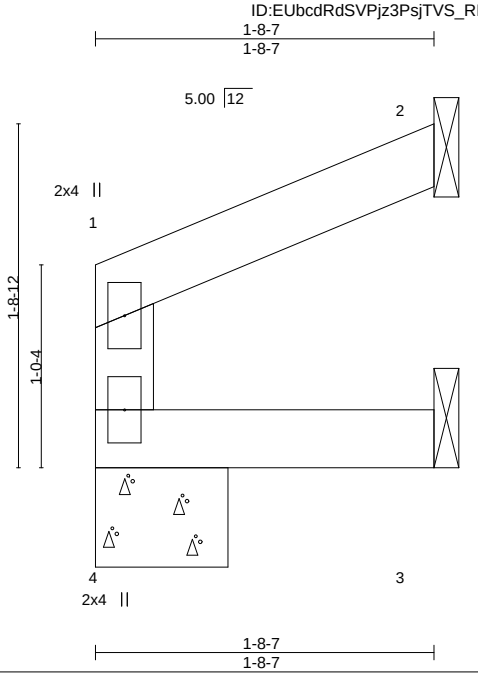

Scale = 1:11.6

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 6 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-8-0, 2=Mechanical, 3=Mechanical
Max Horz 4=35(LC 12)
Max Uplift 2=-44(LC 12), 3=-3(LC 12)
Max Grav 4=77(LC 1), 2=61(LC 17), 3=31(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone;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) 2, 3.

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	CJ5	JACK-OPEN	8	1	T20992406
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:31 2020 Page 1
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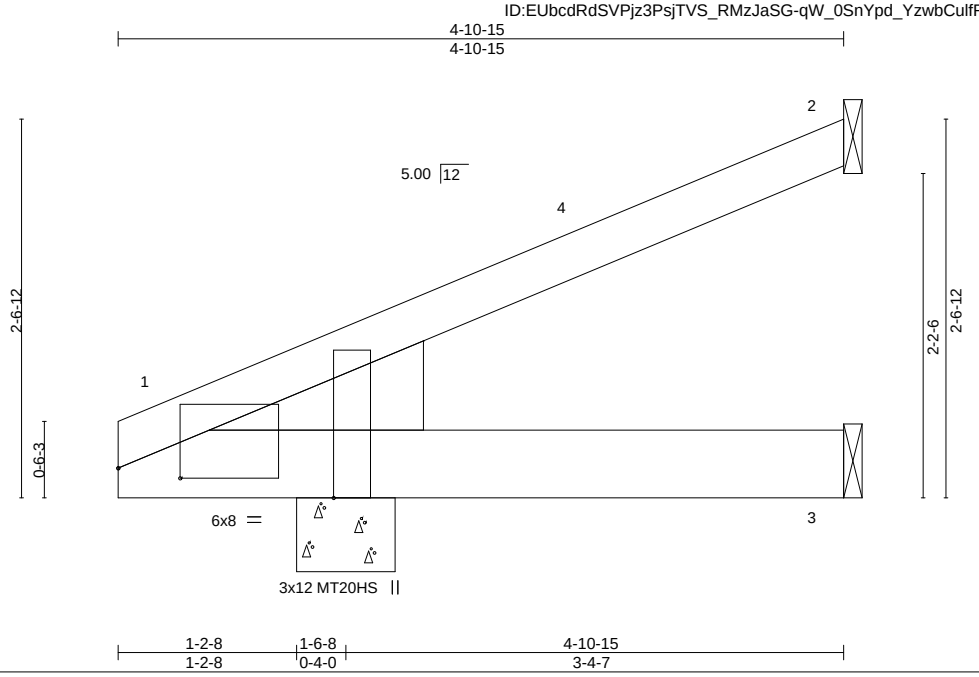

Plate Offsets (X,Y)-- [1:0-5-0,0-0-13], [1:0-2-7,Edge]

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	0.57	Vert(LL)	-0.01	1-3	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	1-3	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-P							Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEDGE
Left: 2x8 SP 2400F 2.0E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=Mechanical, 3=Mechanical, 1=0-8-0
Max Horz 1=115(LC 12)
Max Uplift 2=-121(LC 12), 1=-39(LC 12)
Max Grav 2=185(LC 17), 3=90(LC 3), 1=226(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 4-10-3 zone; cantilever left 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) 1 except (jt=lb) 2=121.

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	CJ5A	Jack-Open	2	1	T20992407
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:31 2020 Page 1
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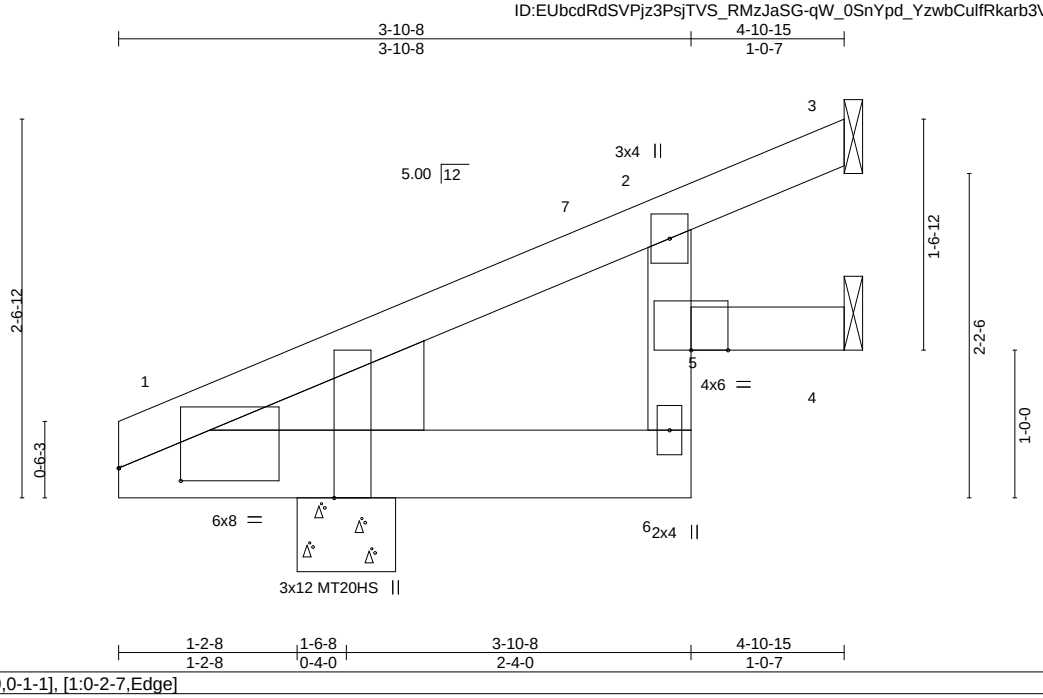

Plate Offsets (X,Y)-- [1:0-5-0,0-1-1], [1:0-2-7,Edge]

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	0.20	Vert(LL)	-0.01	6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.01	6	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-R							Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
1-6: 2x6 SP No.2, 2-6: 2x4 SP No.3
WEDGE
Left: 2x8 SP 2400F 2.0E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 1=0-8-0
Max Horz 1=115(LC 12)
Max Uplift 3=-43(LC 12), 4=-52(LC 12), 1=-39(LC 12)
Max Grav 3=94(LC 17), 4=136(LC 17), 1=226(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-265/93

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 4-10-3 zone; cantilever left 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, 1.

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	CJ5C	Jack-Open	1	1	T20992408
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:32 2020 Page 1
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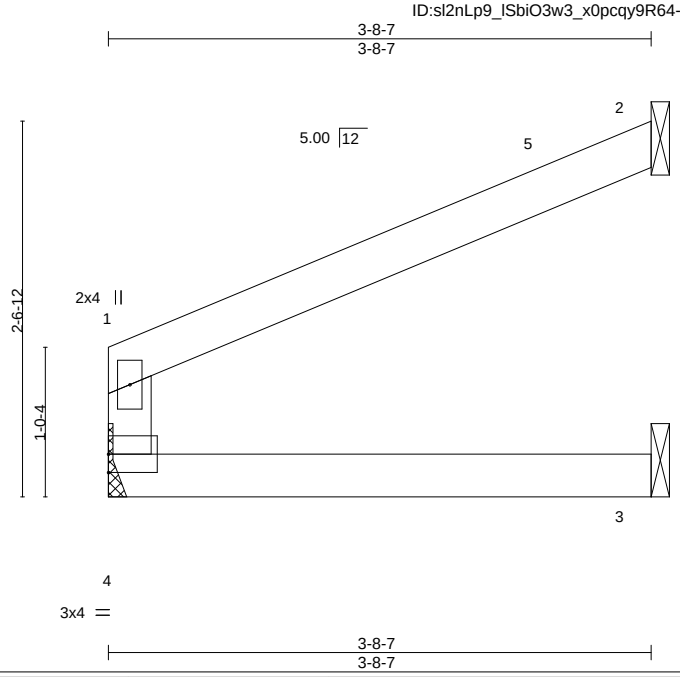

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.02	3-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.02	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 12 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=Mechanical, 3=Mechanical
Max Horz 4=78(LC 12)
Max Uplift 4=-18(LC 12), 2=-87(LC 12)
Max Grav 4=175(LC 1), 2=133(LC 17), 3=70(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-7-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	D5	Hip Girder	1	1	T20992409
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:33 2020 Page 1
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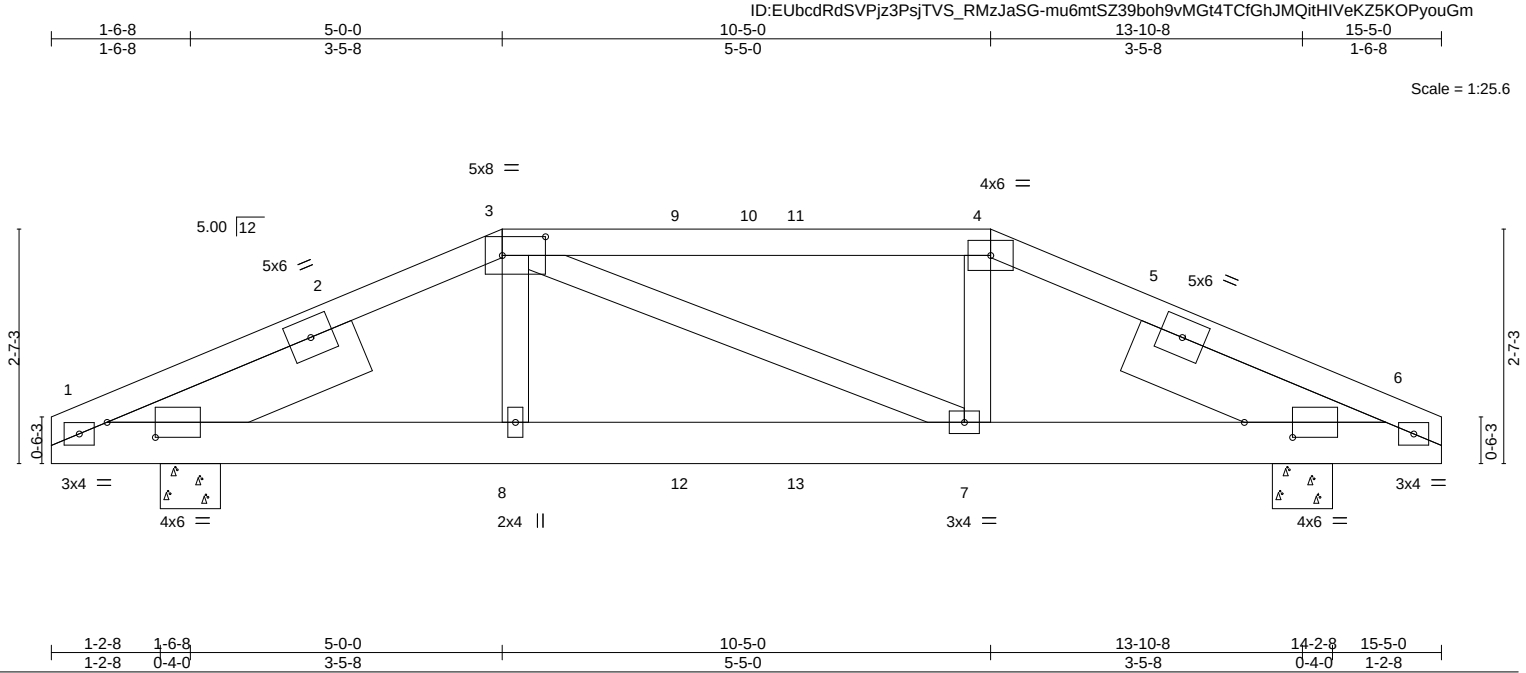

Plate Offsets (X,Y)-- [1:0-6-7,0-2-0], [3:0-5-12,0-2-8], [6:0-6-7,0-2-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.04	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 92 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP 2400F 2.0E 2-11-4, Right 2x8 SP 2400F 2.0E 2-11-4

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-8-0, 6=0-8-0
Max Horz 1=-70(LC 6)
Max Uplift 1=-246(LC 8), 6=-246(LC 8)
Max Grav 1=659(LC 1), 6=659(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1100/441, 3-4=-939/438, 4-6=-1095/437
BOT CHORD 1-8=-326/940, 7-8=-322/944, 6-7=-322/936

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever 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) 1=246, 6=246.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 236 lb up at 5-0-0, 99 lb up at 7-0-12, and 99 lb up at 8-4-4, and 236 lb up at 10-5-0 on top chord, and 54 lb up at 5-0-0, 2 lb down and 19 lb up at 7-0-12, and 2 lb down and 19 lb up at 8-4-4, and 54 lb up at 10-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 3-4=-80, 4-6=-80, 1-6=-20
Concentrated Loads (lb)
Vert: 3=17(F) 4=17(F) 8=45(F) 7=45(F) 9=5(F) 11=5(F) 12=11(F) 13=11(F)

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Job	Truss	Truss Type	Qty	Ply	
2511957	D6	Hip	1	1	T20992410
					Job Reference (optional)

8.240 s Jun 26 2020 MiTek Industries, Inc. Tue Aug 11 16:29:29 2020 Page 1
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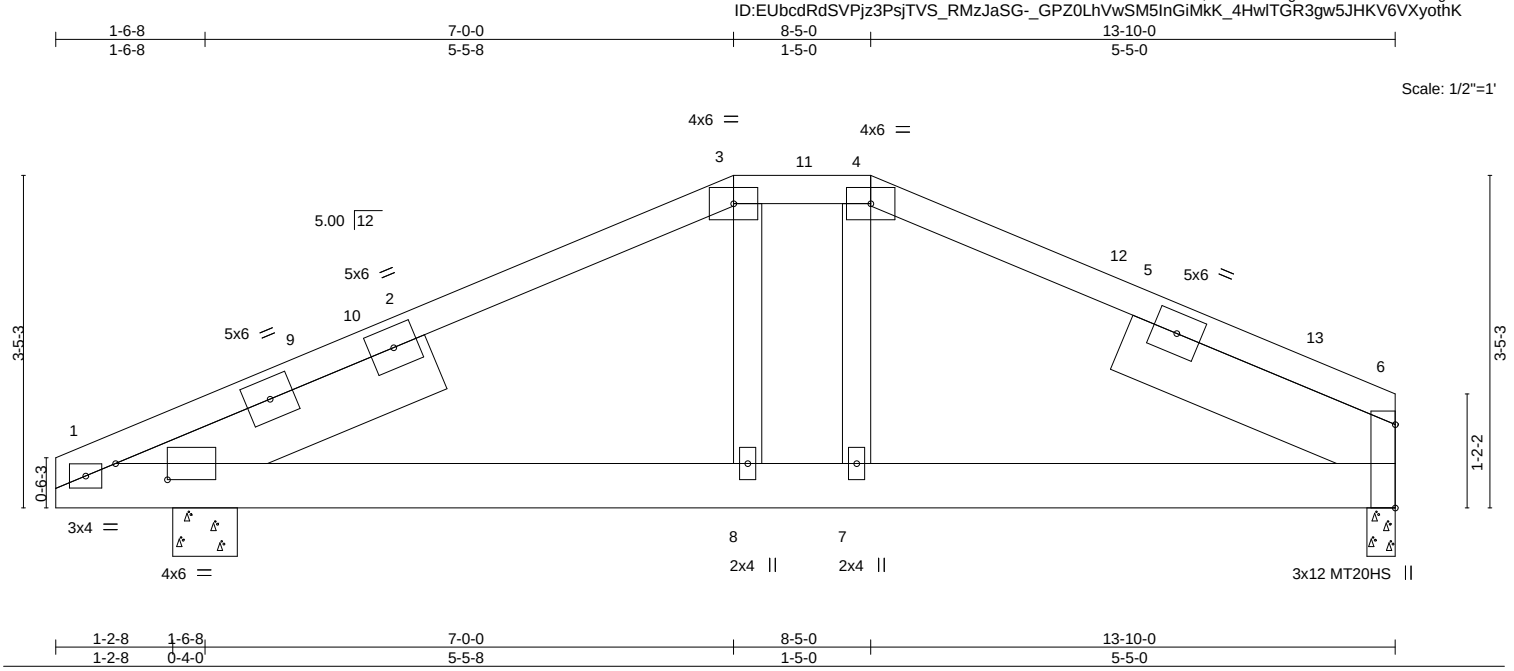

Plate Offsets (X,Y)-- [1:0-6-7,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.03	1-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.07	1-8	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 83 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP 2400F 2.0E 3-5-8, Right 2x8 SP 2400F 2.0E 3-1-1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=675/0-3-8, 1=675/0-8-0
Max Horz 1=-97(LC 10)
Max Uplift 6=-200(LC 12), 1=-200(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-983/456, 9-10=-877/458, 2-10=-876/459, 2-3=-852/477, 3-11=-785/519, 4-11=-785/519, 4-12=-840/512, 5-12=-884/501, 5-13=-952/490, 6-13=-984/485
BOT CHORD 1-8=-296/786, 7-8=-290/785, 6-7=-286/775
WEBS 4-7=-96/272

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 7-0-0, Exterior(2) 7-0-0 to 12-7-15, Interior(1) 12-7-15 to 13-10-0 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) 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 200 lb uplift at joint 6 and 200 lb uplift at joint 1.

LOAD CASE(S) Standard

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Date:

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2511957	D7	Hip	1	1	T20992411
					Job Reference (optional)

8.240 s Jun 26 2020 MiTek Industries, Inc. Tue Aug 11 16:30:25 2020 Page 1
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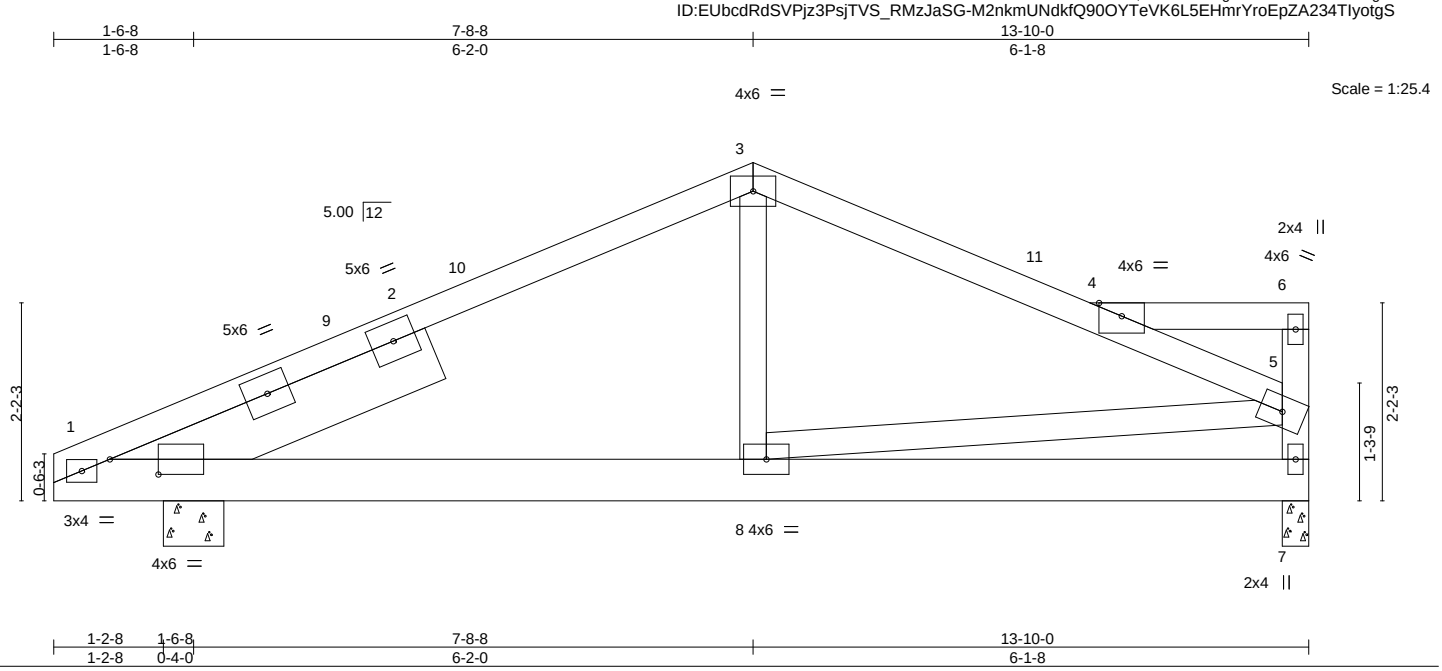

Plate Offsets (X,Y)-- [1:0-6-7,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.87	Vert(LL)	0.03	1-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.06	1-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 85 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
6-7: 2x4 SP No.2
SLIDER Left 2x8 SP 2400F 2.0E 3-9-2

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

REACTIONS. (lb/size) 7=668/0-3-8, 1=668/0-8-0
Max Horz 1=97(LC 12)
Max Uplift 7=-204(LC 12), 1=-191(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-951/367, 2-9=-834/368, 2-10=-811/372, 3-10=-801/389, 3-11=-811/388, 4-11=-829/374, 4-5=-1040/542, 5-7=-623/329
BOT CHORD 1-8=-327/749, 7-8=-279/416
WEBS 3-8=0/268, 5-8=-136/462

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 7-8-8, Exterior(2) 7-8-8 to 10-8-8, Interior(1) 10-8-8 to 13-8-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 7 and 191 lb uplift at joint 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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August 11,2020

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	
2511957	D8	Hip	1	1	T20992412
					Job Reference (optional)

8.240 s Jun 26 2020 MiTek Industries, Inc. Tue Aug 11 16:31:06 2020 Page 1
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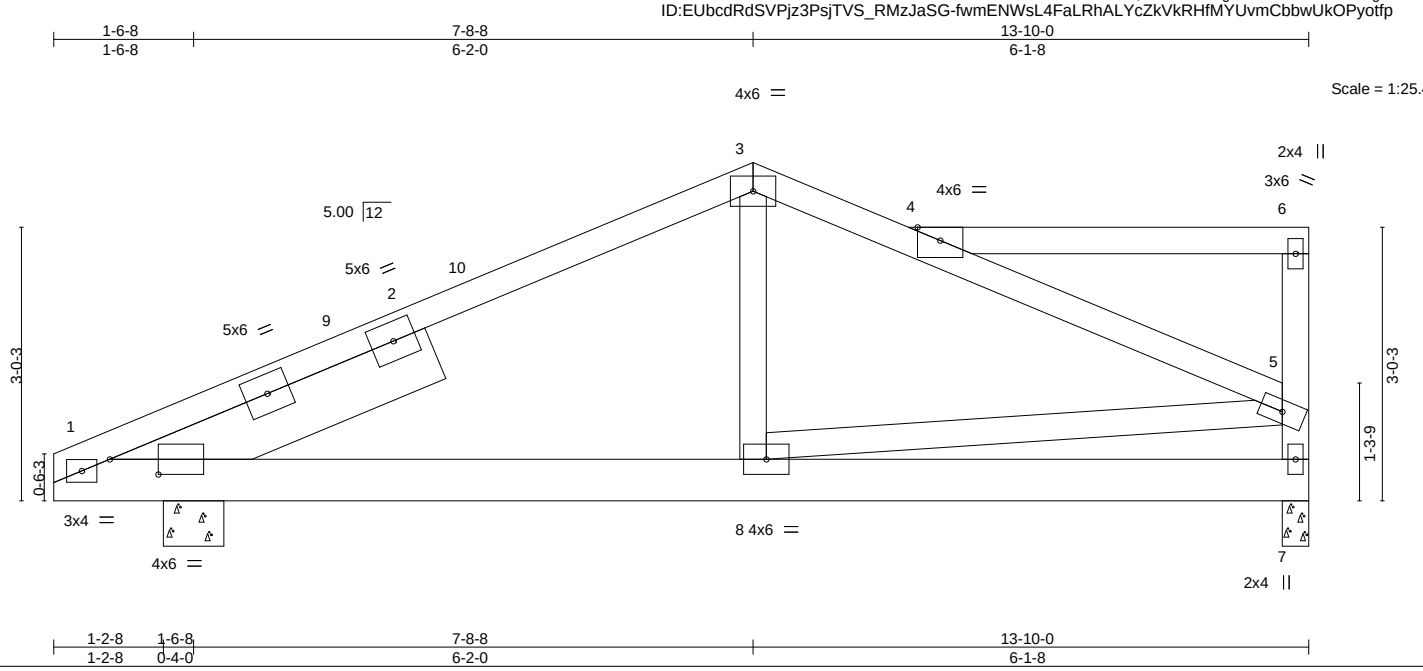

Plate Offsets (X,Y)-- [1:0-6-7,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.85	Vert(LL)	0.03	1-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.06	1-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 89 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP 2400F 2.0E 3-9-2

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

REACTIONS. (lb/size) 7=668/0-3-8, 1=668/0-8-0
Max Horz 1=142(LC 12)
Max Uplift 7=-212(LC 12), 1=-184(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-954/325, 2-9=-838/326, 2-10=-815/330, 3-10=-803/347, 3-4=-770/372, 4-5=-814/387, 5-7=-623/331
BOT CHORD 1-8=-365/753
WEBS 3-8=0/252, 5-8=-314/592

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 7-8-8, Exterior(2) 7-8-8 to 9-4-11, Interior(1) 9-4-11 to 13-8-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 212 lb uplift at joint 7 and 184 lb uplift at joint 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	
2511957	D9	Hip	1	1	T20992413
					Job Reference (optional)

8.240 s Jun 26 2020 MiTek Industries, Inc. Tue Aug 11 16:31:56 2020 Page 1
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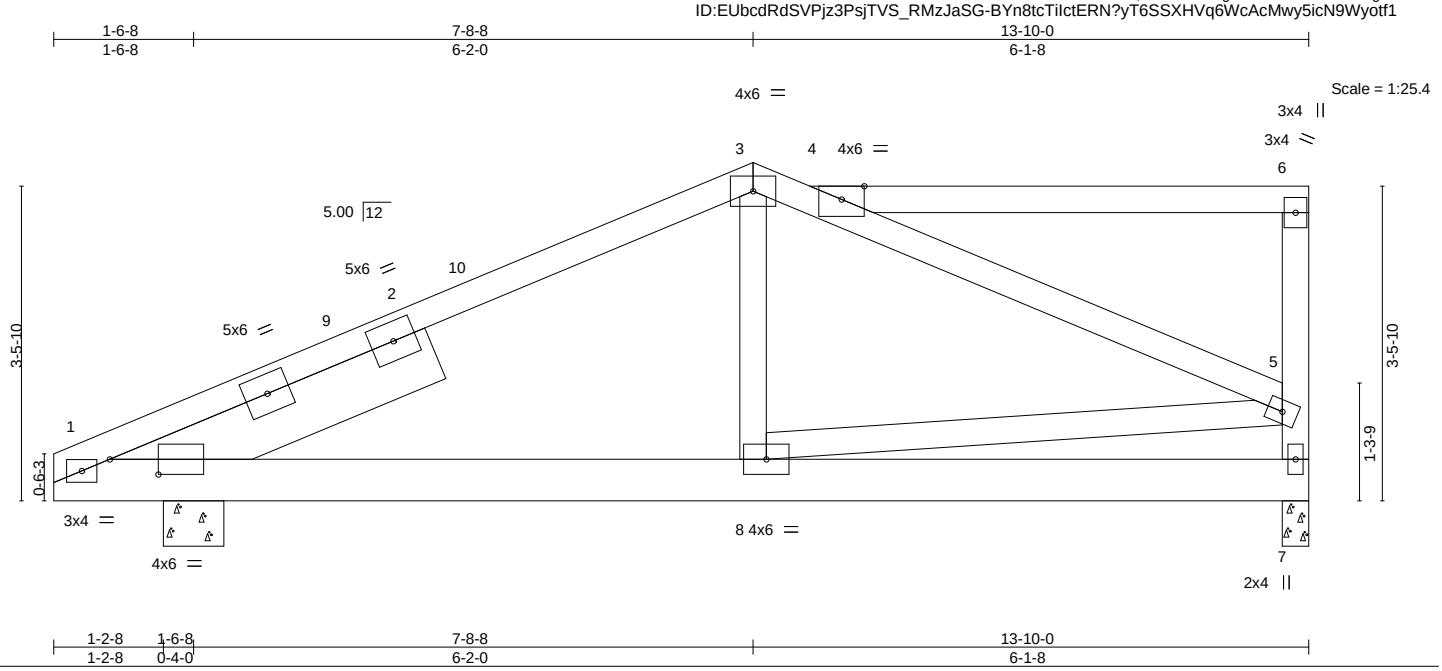

Plate Offsets (X,Y)-- [1:0-6-7,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.85	Vert(LL)	0.03	1-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.06	1-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 91 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP 2400F 2.0E 3-9-2

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

REACTIONS. (lb/size) 7=668/0-3-8, 1=668/0-8-0
Max Horz 1=166(LC 12)
Max Uplift 7=-217(LC 12), 1=-179(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-953/310, 2-9=-837/314, 2-10=-814/315, 3-10=-802/329, 3-4=-729/362, 4-5=-768/383, 5-7=-624/340
BOT CHORD 1-8=-383/751
WEBS 5-8=-388/693

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 7-8-8, Exterior(2) 7-8-8 to 8-3-10, Interior(1) 8-3-10 to 13-8-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 7 and 179 lb uplift at joint 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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August 11,2020

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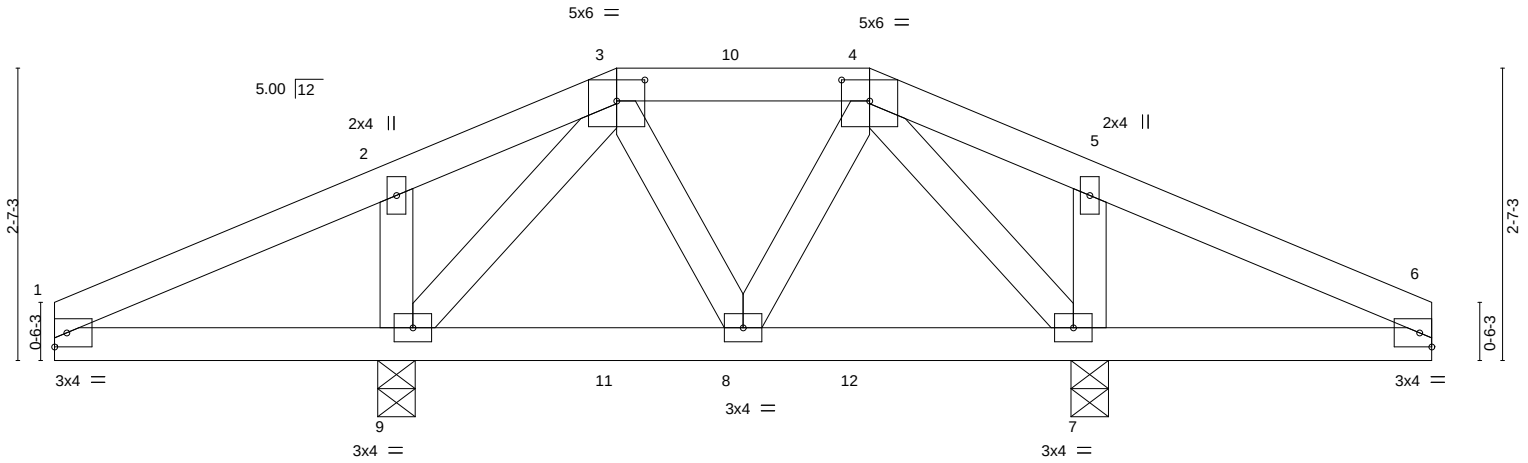
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	E1	Hip Girder	1	1	T20992414
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:37 2020 Page 1
ID:EUbcdRdSVPjz3PsjTVS_RMzJaSG-fgLHiqdaCpJ7eXf26wY8p6r4O12QD4mEFB3XXAyouGi

3-0-8	5-0-0	7-3-0	9-2-8	12-3-0
3-0-8	1-11-8	2-3-0	1-11-8	3-0-8

Scale = 1:20.5



2-10-8	3-0-8	6-1-8	9-2-8	9-4-8	12-3-0
2-10-8	0-2-0	3-1-0	3-1-0	0-2-0	2-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.01	7-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	0.02	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.18	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 57 lb	FT = 20%

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

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

REACTIONS. (size) 9=0-4-0, 7=0-4-0
Max Horz 9=-73(LC 6)
Max Uplift 9=-709(LC 8), 7=-621(LC 9)
Max Grav 9=392(LC 17), 7=397(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-165/351, 2-3=-77/302, 3-4=0/628, 4-5=-54/300, 5-6=-104/349
BOT CHORD 1-9=-261/176, 8-9=-525/0, 7-8=-506/0, 6-7=-259/106
WEBS 2-9=-265/175, 3-9=-136/594, 3-8=-328/0, 4-8=-329/0, 4-7=-134/596, 5-7=-264/158

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; 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) 9=709, 7=621.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 246 lb up at 5-0-0, and 29 lb down and 138 lb up at 6-1-8, and 246 lb up at 7-3-0 on top chord, and 313 lb up at 5-0-0, and 14 lb down and 41 lb up at 6-1-8, and 313 lb up at 7-2-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 3-4=-80, 4-6=-80, 1-6=-20
Concentrated Loads (lb)
Vert: 3=38(B) 4=38(B) 8=-6(B) 10=-29(B) 11=215(B) 12=215(B)

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	E2	Common	1	1	T20992415
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:37 2020 Page 1
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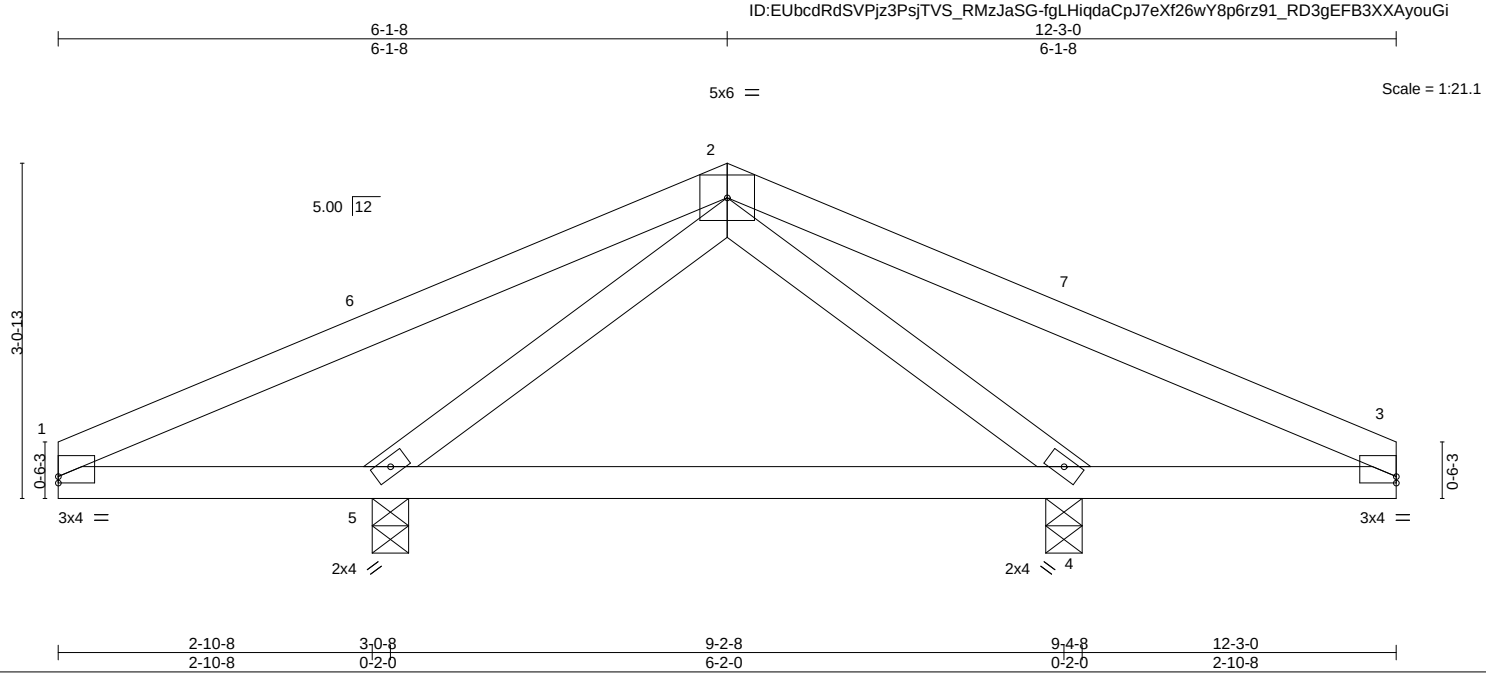

Plate Offsets (X,Y)-- [1:0-0-0,0-0-11], [3:0-0-0,0-0-11]

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	0.70	Vert(LL)	0.10	4-5	>812	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	0.08	4-5	>990	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 51 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 7-3-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 5=0-4-0, 4=0-4-0
Max Horz 5=-88(LC 10)
Max Uplift 5=-442(LC 12), 4=-304(LC 9)
Max Grav 5=613(LC 1), 4=613(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-445/574, 2-3=-448/574
BOT CHORD 1-5=-441/498, 3-4=-441/502
WEBS 2-5=-692/610, 2-4=-692/614

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-1-8, Exterior(2) 6-1-8 to 9-1-8, Interior(1) 9-1-8 to 12-3-0 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) 5=442, 4=304.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	EJ5	Jack-Open	3	1	T20992416
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:38 2020 Page 1
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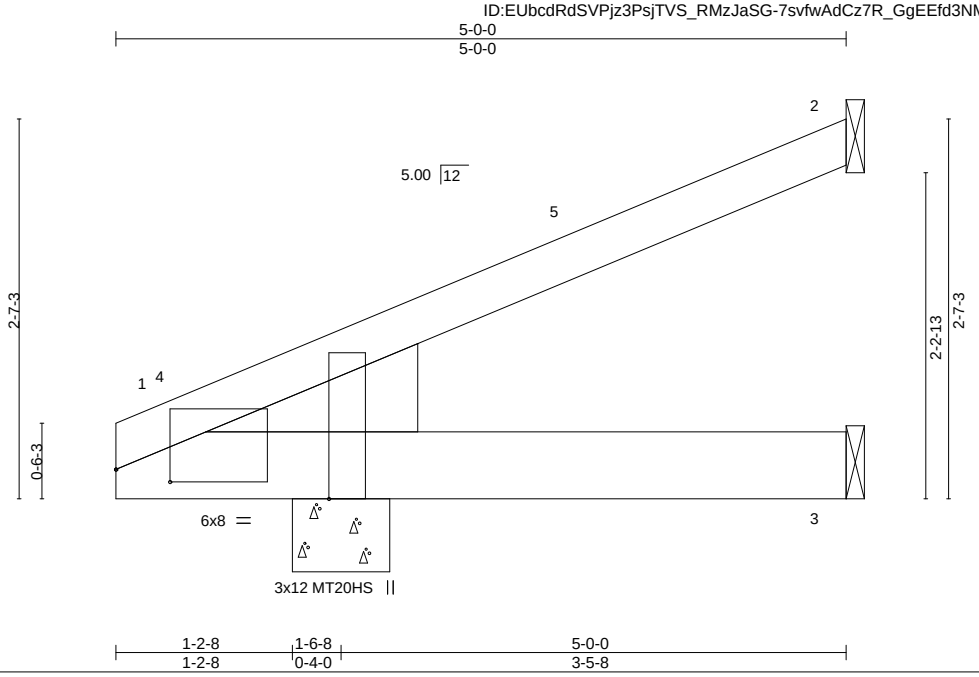

Plate Offsets (X,Y)-- [1:0-4-7,0-1-0], [1:0-2-7,Edge]

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	0.59	Vert(LL)	-0.01	1-3	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	1-3	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-P							Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEDGE
Left: 2x8 SP 2400F 2.0E

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

REACTIONS. (size) 2=Mechanical, 3=Mechanical, 1=0-8-0
Max Horz 1=117(LC 12)
Max Uplift 2=-124(LC 12), 1=-40(LC 12)
Max Grav 2=189(LC 17), 3=92(LC 3), 1=230(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 4-11-4 zone; cantilever left 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) 1 except (jt=lb) 2=124.

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Date:

August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	EJ5A	Jack-Open	4	1	T20992417
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:39 2020 Page 1
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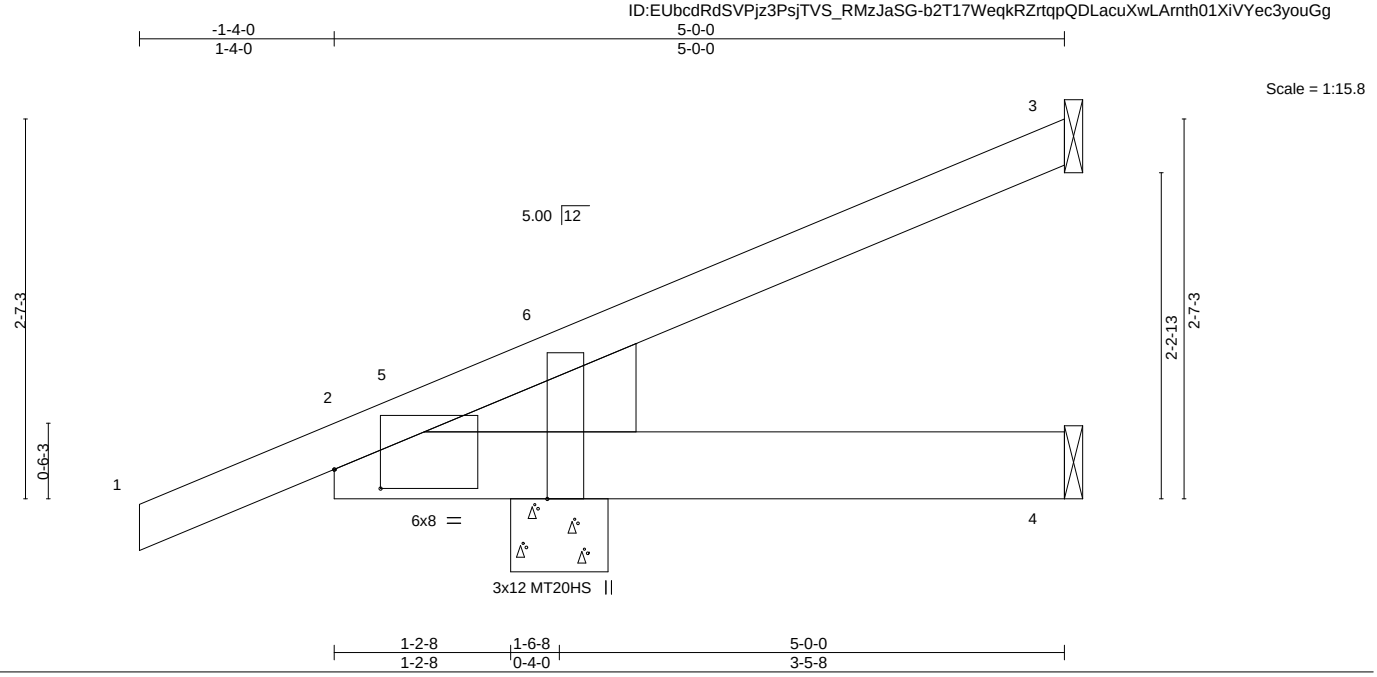

Plate Offsets (X,Y)-- [2:0-3-13,0-1-9], [2:0-2-7,Edge]

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	0.54	Vert(LL)	-0.01	2-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	2-4	>999	180	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-P							Weight: 27 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEDGE
Left: 2x8 SP 2400F 2.0E

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 2=0-8-0
Max Horz 2=152(LC 12)
Max Uplift 3=-101(LC 12), 2=-180(LC 12)
Max Grav 3=167(LC 17), 4=92(LC 3), 2=388(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 4-11-4 zone; cantilever left 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) except (jt=lb) 3=101, 2=180.

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	EJ7	JACK-OPEN	25	1	T20992418
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:40 2020 Page 1
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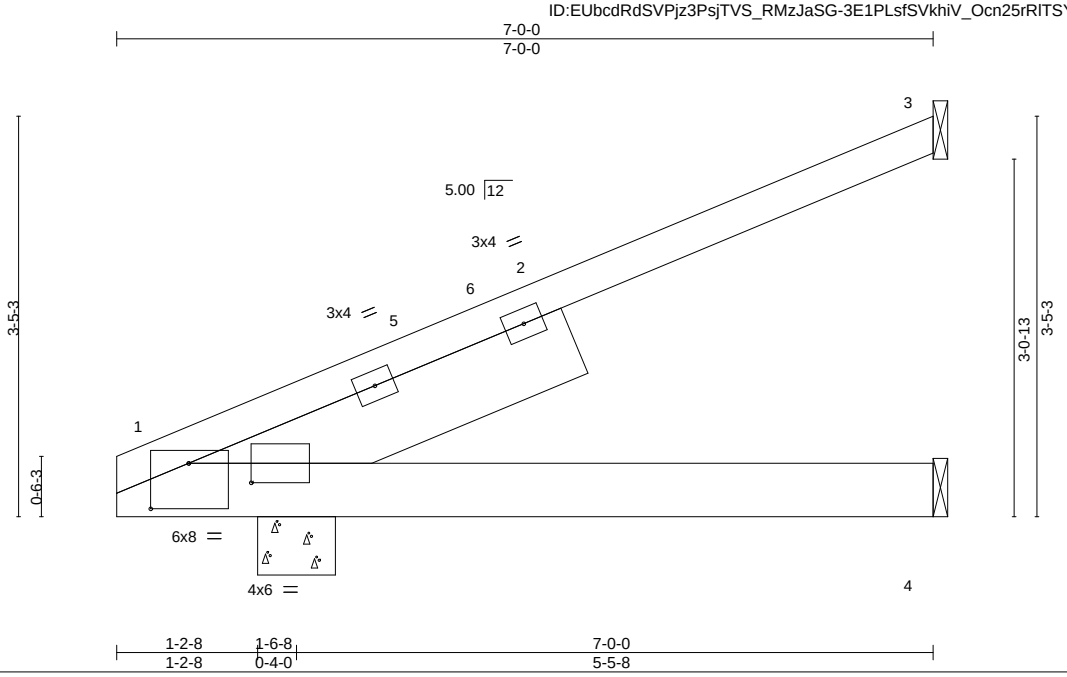

Plate Offsets (X,Y)-- [1:0-6-7,0-2-0], [1:0-3-15,0-4-11]

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	0.82	Vert(LL)	-0.03	1-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.06	1-4	>999	180		
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-P							Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.2
SLIDER Left 2x8 SP 2400F 2.0E 3-5-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 1=0-8-0
Max Horz 1=162(LC 12)
Max Uplift 3=-174(LC 12), 1=-61(LC 12)
Max Grav 3=270(LC 17), 4=132(LC 3), 1=330(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 6-11-4 zone; cantilever left 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) 1 except (jt=lb) 3=174.

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	EJ7A	Jack-Open	4	1	T20992419
					Job Reference (optional)

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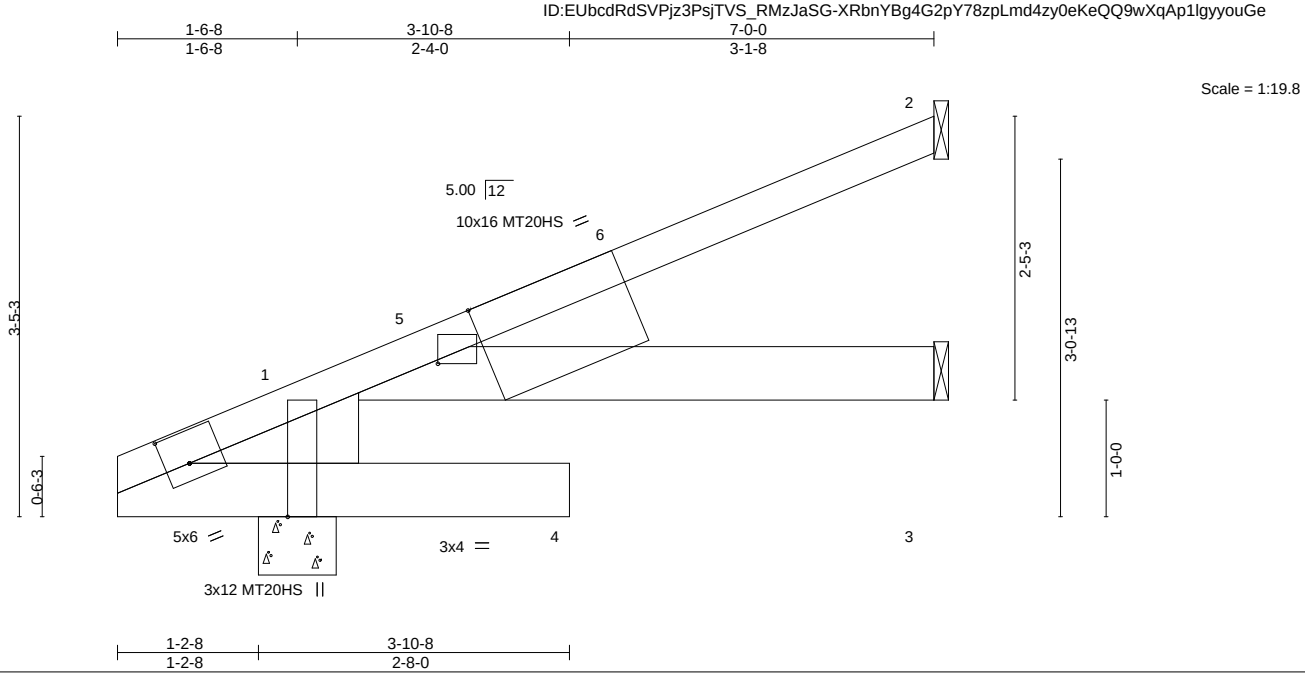

Plate Offsets (X,Y)-- [1:2-8-8,Edge], [1:0-5-8,Edge], [1:0-2-8,0-3-4], [1:2-1-9,0-10-4]

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	0.75	Vert(LL)	-0.04	4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.08	4	>781	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-P							Weight: 37 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEDGE
Left: 2x8 SP 2400F 2.0E

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

REACTIONS. (size) 2=Mechanical, 3=Mechanical, 1=0-8-0
Max Horz 1=123(LC 12)
Max Uplift 2=-141(LC 12), 1=-33(LC 12)
Max Grav 2=225(LC 17), 3=132(LC 3), 1=314(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 1-5-0 to 4-5-0, Interior(1) 4-5-0 to 6-11-4 zone; cantilever left 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) 1 except (jt=lb) 2=141.

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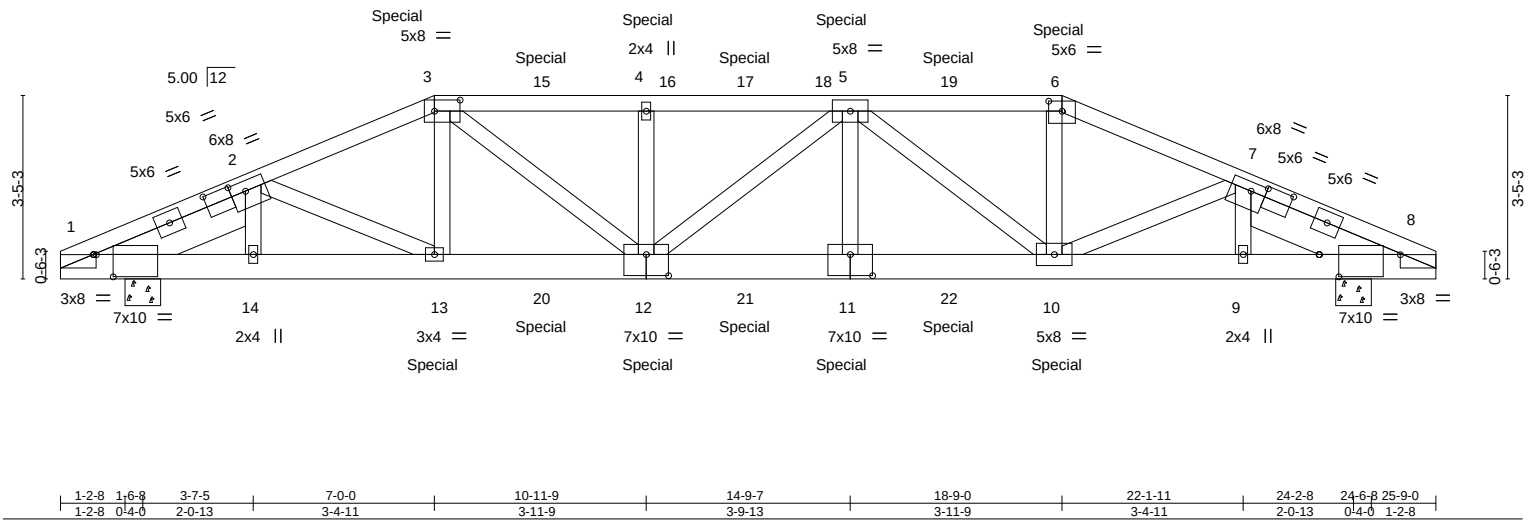
Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	F1	HIP GIRDER	1	1	T20992420
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:42 2020 Page 1
ID:EUbcdRdSVPjz3PsjTVS_RMzJaSG-?d9AlXgj1MxPIlY?uT8JW9Yn12a4uE?zOTmIDOyouGd

3-7-5	7-0-0	10-11-9	14-9-7	18-9-0	22-1-11	25-9-0
3-7-5	3-4-11	3-11-9	3-9-13	3-11-9	3-4-11	3-7-5

Scale = 1:43.1



1-2-8	1-6-8	3-7-5	7-0-0	10-11-9	14-9-7	18-9-0	22-1-11	24-2-8	24-6-8	25-9-0
1-2-8	0-4-0	2-0-13	3-4-11	3-11-9	3-9-13	3-11-9	3-4-11	2-0-13	0-4-0	1-2-8

Plate Offsets (X,Y)-- [1:0-0-10,0-0-1], [1:2-3-11,0-2-8], [1:0-4-7,0-5-0], [2:0-3-6,0-2-4], [3:0-5-12,0-2-8], [6:0-3-0,0-2-4], [7:0-3-6,0-2-0], [8:0-10-4,0-9-12], [8:0-4-7,0-5-0], [8:1-6-4,0-0-1], [11:0-5-0,0-4-12], [12:0-5-0,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.26	11-12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.38	11-12	>790	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 170 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 3-6: 2x4 SP No.1
BOT CHORD	2x6 SP No.2 *Except* 11-12: 2x6 SP M 26
WEBS	2x4 SP No.3
SLIDER	Left 2x8 SP 2400F 2.0E 3-1-0, Right 2x8 SP 2400F 2.0E 3-1-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 1-10-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-8-15 oc bracing.

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

REACTIONS. (size) 1=0-8-0, 8=0-8-0
Max Horz 1=-86(LC 6)
Max Uplift 1=-1074(LC 8), 8=-1093(LC 8)
Max Grav 1=2227(LC 1), 8=2256(LC 1)

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

TOP CHORD	1-2=-4557/2195, 2-3=-4558/2254, 3-4=-5283/2628, 4-5=-5283/2628, 5-6=-4280/2177, 6-7=-4612/2289, 7-8=-4625/2241
BOT CHORD	1-14=-1908/4040, 13-14=-1908/4040, 12-13=-1925/4191, 11-12=-2459/5334, 10-11=-2459/5334, 9-10=-1949/4101, 8-9=-1949/4101
WEBS	2-13=-381/449, 3-13=-95/434, 3-12=-664/1435, 4-12=-695/523, 5-11=0/342, 5-10=-1395/639, 6-10=-459/1135, 7-10=-394/451

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=28ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever 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) 1=1074, 8=1093.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 240 lb down and 218 lb up at 7-0-0, 257 lb down and 216 lb up at 9-0-12, 257 lb down and 216 lb up at 11-0-12, 257 lb down and 216 lb up at 12-10-8, 257 lb down and 216 lb up at 14-8-4, and 257 lb down and 216 lb up at 16-8-4, and 302 lb down and 366 lb up at 18-9-0 on top chord, and 220 lb down and 125 lb up at 7-0-0, 92 lb down at 9-0-12, 92 lb down at 11-0-12, 92 lb down at 12-10-8, 92 lb down at 14-8-4, and 92 lb down at 16-8-4, and 220 lb down and 125 lb up at 18-8-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-80, 3-6=-80, 6-8=-80, 1-8=-20
   Concentrated Loads (lb)
   Vert: 3=-184(F) 6=-246(F) 13=-197(F) 12=-46(F) 4=-184(F) 11=-46(F) 5=-184(F) 10=-197(F) 15=-184(F) 17=-184(F) 19=-184(F) 20=-46(F) 21=-46(F) 22=-46(F)

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	F2	Hip	1	1	T20992421
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:44 2020 Page 1
ID:EUbcdRdSVPjz3PsjTVS_RMzJaSG-y0HwADizZzB7_biO0uAnbaeCbsONMFBGsmFPHGyouGb

1-6-8 | 5-0-0 | 9-0-0 | 16-9-0 | 20-9-0 | 24-2-8 | 25-9-0
1-6-8 | 3-5-8 | 4-0-0 | 7-9-0 | 4-0-0 | 3-5-8 | 1-6-8

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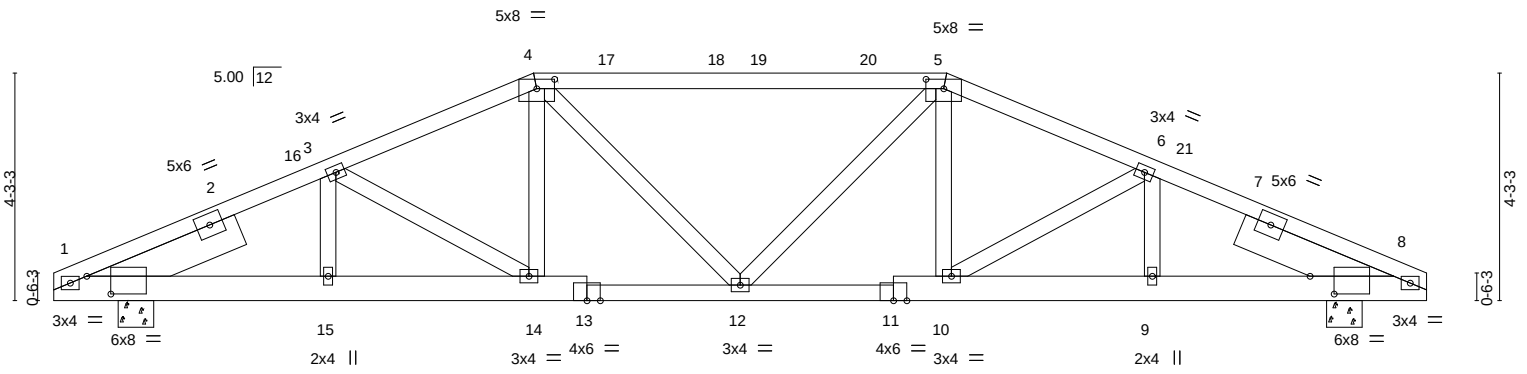

1-2-8 | 1-6-8 | 5-0-0 | 9-0-0 | 12-10-8 | 16-9-0 | 20-9-0 | 24-2-8 | 24-6-8 | 25-9-0
1-2-8 | 0-4-0 | 3-5-8 | 4-0-0 | 3-10-8 | 3-10-8 | 4-0-0 | 3-5-8 | 0-4-0 | 1-2-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	0.08	12-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.15	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 159 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	4-5: 2x4 SP M 31
BOT CHORD	2x6 SP No.2 *Except*
	11-13: 2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-9-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-1-9 oc bracing.

REACTIONS. (size) 1=0-8-0, 8=0-8-0
Max Horz 1=123(LC 11)
Max Uplift 1=-372(LC 12), 8=-372(LC 12)
Max Grav 1=1254(LC 1), 8=1254(LC 1)

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

TOP CHORD	1-3=-2431/1032, 3-4=-2062/952, 4-5=-1874/895, 5-6=-2062/952, 6-8=-2431/1032
BOT CHORD	1-15=-863/2139, 14-15=-863/2139, 12-14=-692/1866, 10-12=-686/1866, 9-10=-857/2139, 8-9=-857/2139
WEBS	4-14=-61/310, 5-10=-61/310, 3-14=-350/199, 6-10=-349/199

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-0 to 3-4-0, Interior(1) 3-4-0 to 9-0-6, Exterior(2) 9-0-6 to 13-3-4, Interior(1) 13-3-4 to 16-8-10, Exterior(2) 16-8-10 to 20-11-9, Interior(1) 20-11-9 to 25-5-0 zone; cantilever 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) 1=372, 8=372.

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Date:

August 11,2020

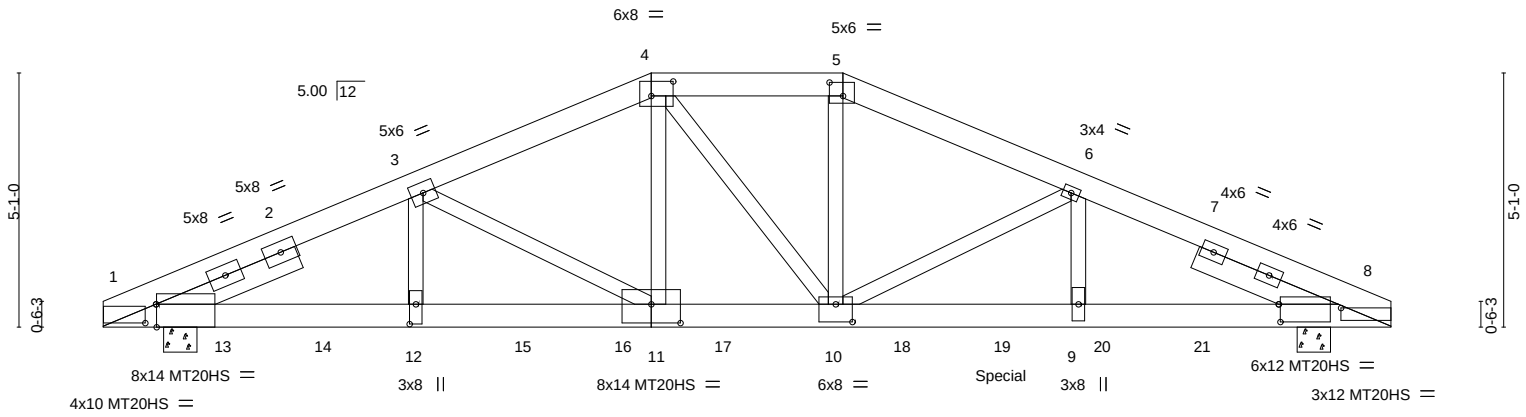
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	F3	HIP GIRDER	1	3	T20992422
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:45 2020 Page 1
ID:EUbcdRdSVPjz3PsjTVS_RMzJaSG-QCqIOZjbKHJ_clHaabh08oAM8Gfi5WjP5Q?ypjyouGa

1-6-8	6-3-0	10-11-8	14-9-8	19-6-0	24-2-8	25-9-0
1-6-8	4-8-8	4-8-8	3-10-0	4-8-8	4-8-8	1-6-8

Scale = 1:46.1



THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.

1-2-8	1-6-8	6-3-0	10-11-8	14-9-8	19-6-0	24-2-8	24-6-8	25-9-0
1-2-8	0-4-0	4-8-8	4-8-8	3-10-0	4-8-8	4-8-8	0-4-0	1-2-8

Plate Offsets (X,Y)-- [1:0-2-9,0-4-8], [1:0-0-2,Edge], [4:0-5-4,0-3-8], [5:0-3-4,0-3-4], [8:1-2-15,0-0-14], [8:0-0-6,0-4-4], [10:0-4-0,0-4-4], [11:0-7-0,0-4-8], [12:0-4-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	0.24	11-12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.39	11-12	>779	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.12	8	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 544 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 3-0-0, Right 2x6 SP No.2 3-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-8-0, 8=0-8-0
Max Horz 1=-146(LC 6)
Max Uplift 1=-5212(LC 8), 8=-3645(LC 8)
Max Grav 1=12387(LC 1), 8=8879(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-25183/10554, 3-4=-18377/7724, 4-5=-16481/6928, 5-6=-17645/7346, 6-8=-20424/8412
BOT CHORD 1-12=-9571/22949, 11-12=-9571/22949, 10-11=-7051/17197, 9-10=-7587/18532, 8-9=-7587/18532
WEBS 3-12=-2580/6093, 3-11=-6831/2984, 4-11=-3201/7461, 4-10=-1270/721, 5-10=-2585/6257, 6-10=-2576/1124, 6-9=-1002/2543

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=5212, 8=3645.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2100 lb down and 966 lb up at 2-5-4, 2132 lb down and 950 lb up at 4-5-4, 2132 lb down and 950 lb up at 6-5-4, 2132 lb down and 950 lb up at 8-5-4, 2132 lb down and 950 lb up at 10-5-4, 2132 lb down and 950 lb up at 12-5-4, 2132 lb down and 950 lb up at 14-5-4, 1012 lb down and 351 lb up at 16-0-4, 1012 lb down and 351 lb up at 18-0-4, and 1685 lb down and 868 lb up at 20-0-4, and 155 lb down and 56 lb up at 22-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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Date:

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Continued on page 2

LOAD CASE(S) Standard

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: 1-4=-80, 4-5=-80, 5-8=-80, 1-8=-20
   Concentrated Loads (lb)
      Vert: 12=-2132 10=-2132 13=-2100 14=-2132 15=-2132 16=-2132 17=-2132 18=-1012(B) 19=-1012(B) 20=-1685(B) 21=-155

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	HJ8	Diagonal Hip Girder	2	1	T20992423
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:47 2020 Page 1
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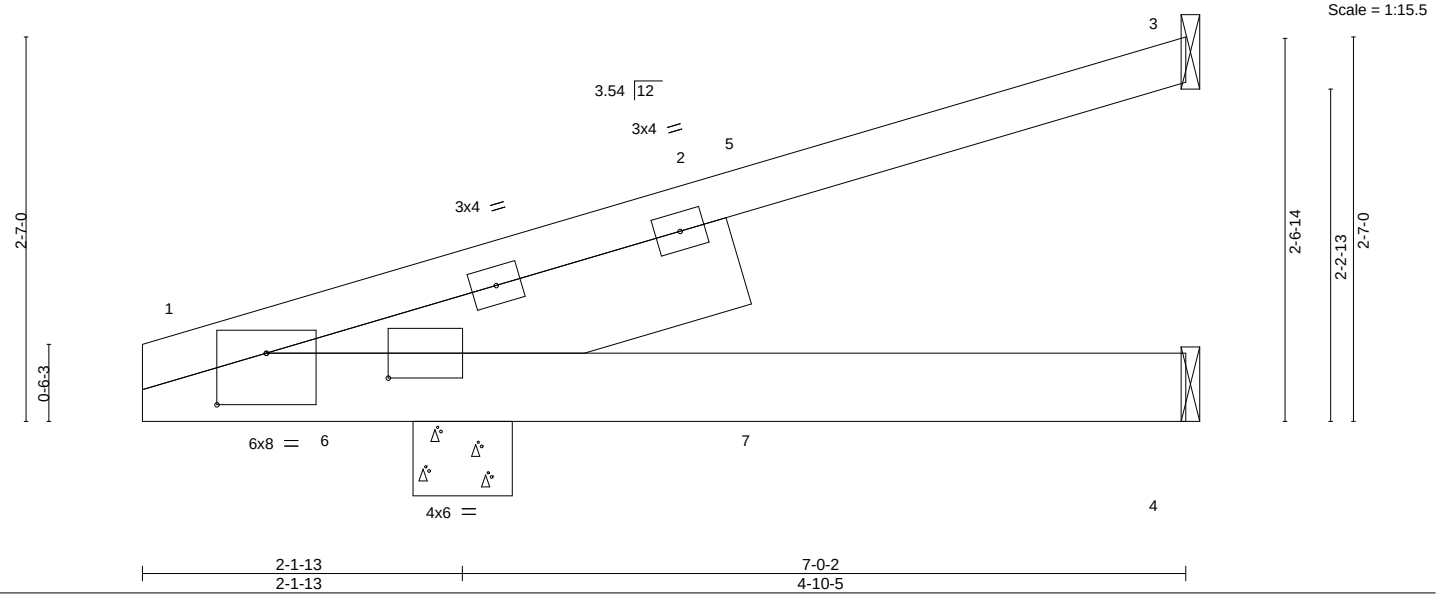

Plate Offsets (X,Y)-- [1:0-9-13,0-2-0], [1:0-4-0,0-4-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.03	1-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.04	1-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 37 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
SLIDER Left 2x8 SP 2400F 2.0E 3-2-10

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 1=0-8-0
Max Horz 1=117(LC 8)
Max Uplift 3=-105(LC 8), 4=-22(LC 5), 1=-187(LC 5)
Max Grav 3=138(LC 1), 4=87(LC 3), 1=310(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=105, 1=187.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down and 120 lb up at 4-2-8, and 44 lb down and 120 lb up at 4-2-8 on top chord, and 62 lb down and 103 lb up at 1-4-9, 62 lb down and 103 lb up at 1-4-9, and 52 lb up at 4-2-8, and 52 lb up at 4-2-8 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=-80, 1-4=-20
Concentrated Loads (lb)
Vert: 5=216(F=108, B=108) 6=-123(F=-62, B=-62) 7=85(F=43, B=43)

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Date:
August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	HJ8A	Diagonal Hip Girder	2	1	T20992424
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:48 2020 Page 1
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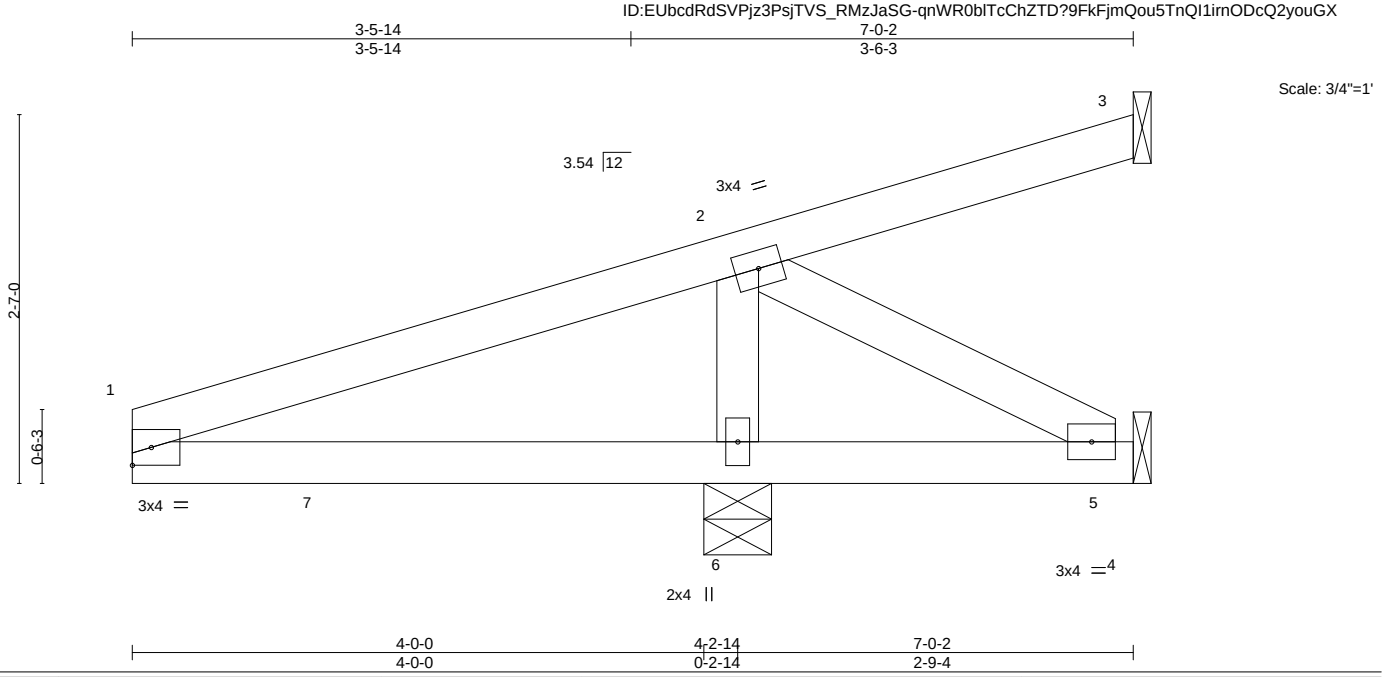

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.01	5-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-P							Weight: 27 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 5=Mechanical, 6=0-5-11
Max Horz 6=122(LC 8)
Max Uplift 3=-28(LC 8), 5=-384(LC 1), 6=-745(LC 8)
Max Grav 3=50(LC 13), 5=228(LC 8), 6=1217(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-452/777
BOT CHORD 1-6=-670/453, 5-6=-670/332
WEBS 2-5=-379/767, 2-6=-1043/644

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 5=384, 6=745.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 172 lb down and 297 lb up at 4-2-8, and 44 lb down and 120 lb up at 4-2-8 on top chord, and 62 lb down and 103 lb up at 1-4-9, and 62 lb down and 103 lb up at 1-4-9 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=-80, 1-4=-20
Concentrated Loads (lb)
Vert: 2=-64(F=-172, B=108) 7=-123(F=-62, B=-62)

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	HJ10	DIAGONAL HIP GIRDER	5	1	T20992425
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:45 2020 Page 1
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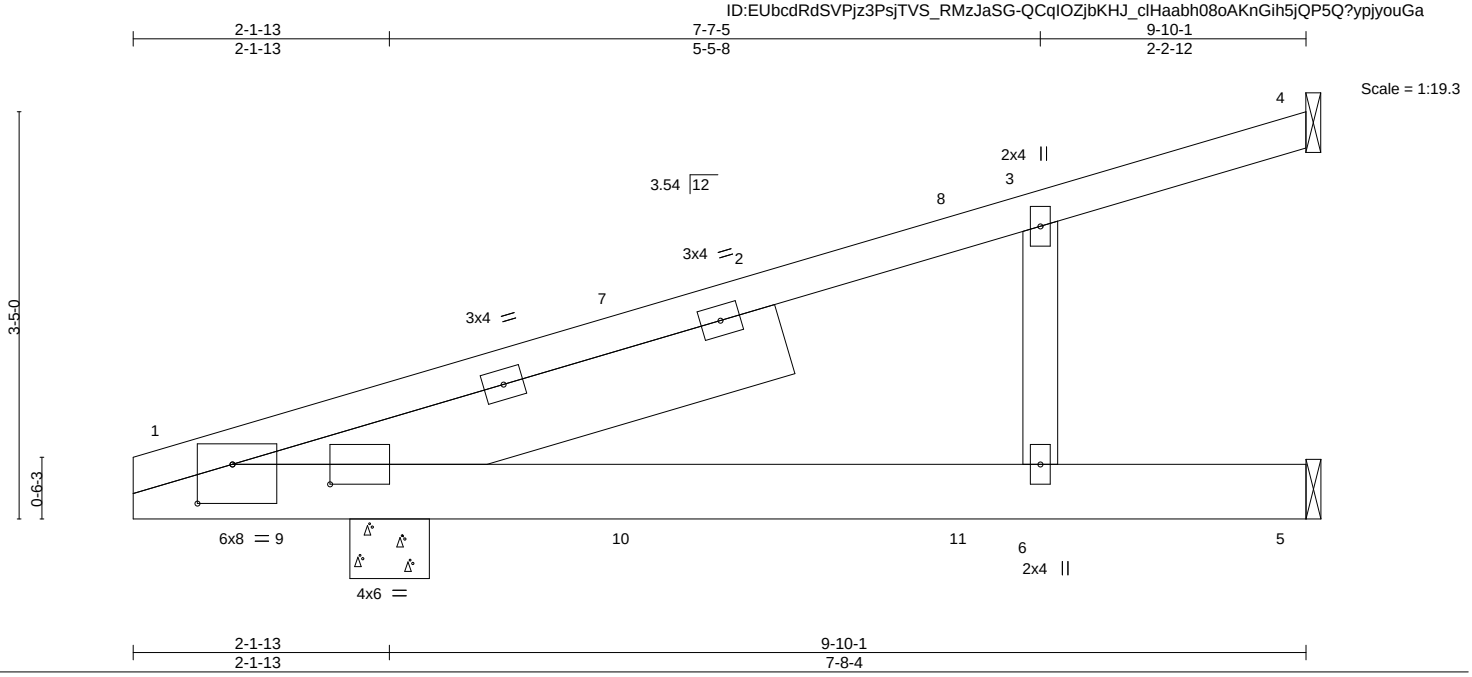

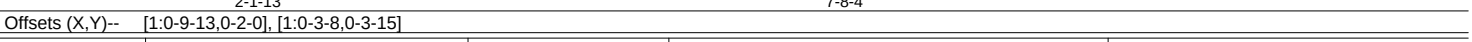

Plate Offsets (X,Y)-- [1:0-9-13,0-2-0], [1:0-3-8,0-3-15]

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	0.72	Vert(LL)	0.20	1-6	>565	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.21	1-6	>532	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 56 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP 2400F 2.0E 4-8-14

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 1=0-8-0
Max Horz 1=162(LC 8)
Max Uplift 4=-52(LC 8), 5=-165(LC 4), 1=-232(LC 5)
Max Grav 4=105(LC 1), 5=248(LC 1), 1=401(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=165, 1=232.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down and 123 lb up at 4-2-8, 38 lb down and 123 lb up at 4-2-8, and 146 lb up at 7-0-7, and 148 lb up at 7-0-7 on top chord, and 62 lb down and 93 lb up at 1-4-9, 62 lb down and 93 lb up at 1-4-9, 52 lb up at 4-2-8, 52 lb up at 4-2-8, and 15 lb up at 7-0-7, and 7 lb down and 33 lb up at 7-0-7 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=-80, 1-5=-20
Concentrated Loads (lb)
Vert: 7=216(F=108, B=108) 8=15(F=7, B=8) 9=-123(F=-62, B=-62) 10=85(F=43, B=43) 11=-3(F=-7, B=4)

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2511957	HJ10A	Diagonal Hip Girder	1	1	T20992426
					Job Reference (optional)

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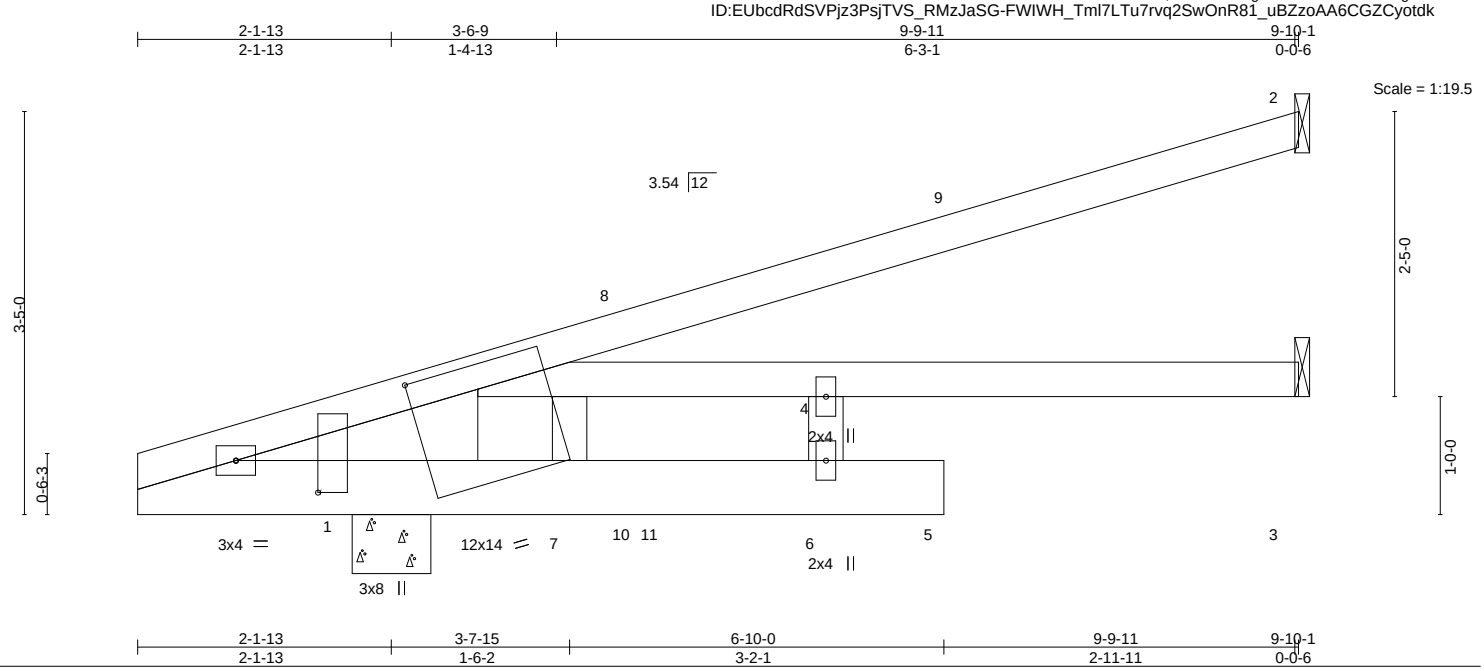

Plate Offsets (X,Y)-- [1:1-6-14,0-5-9], [1:0-3-4,0-8-5], [1:1-0-13,0-0-0], [7:1-6-10,0-2-8], [7:0-1-11,0-0-8]

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	0.34	Vert(LL)	-0.29	5	>331	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.52	5	>184	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.03	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x4 SP M 31 *Except*
1-5: 2x6 SP M 26
WEBS 2x4 SP No.3
WEDGE
Left: 2x8 SP 2400F 2.0E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 1-7.

REACTIONS. (lb/size) 2=214/Mechanical, 3=107/Mechanical, 1=374/0-8-0
Max Horz 1=127(LC 8)
Max Uplift 2=-137(LC 4), 1=-189(LC 5)
Max Grav 2=214(LC 1), 3=193(LC 3), 1=374(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 137 lb uplift at joint 2 and 189 lb uplift at joint 1.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down and 123 lb up at 4-2-8, 38 lb down and 123 lb up at 4-2-8, and 8 lb down and 122 lb up at 7-0-7, and 8 lb down and 122 lb up at 7-0-7 on top chord, and 62 lb down and 93 lb up at 1-4-9, 62 lb down and 93 lb up at 1-4-9, 52 lb up at 4-2-8, 52 lb up at 4-2-8, and 9 lb down and 14 lb up at 6-10-0, and 9 lb down and 14 lb up at 6-10-0 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: 1-2=-80, 3-5=-20
Concentrated Loads (lb)
Vert: 5=-19(F=-9, B=-9) 1=-123(F=-62, B=-62) 8=216(F=108, B=108) 9=49(F=24, B=24) 10=85(F=43, B=43)

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Date:

August 11,2020

MiTek
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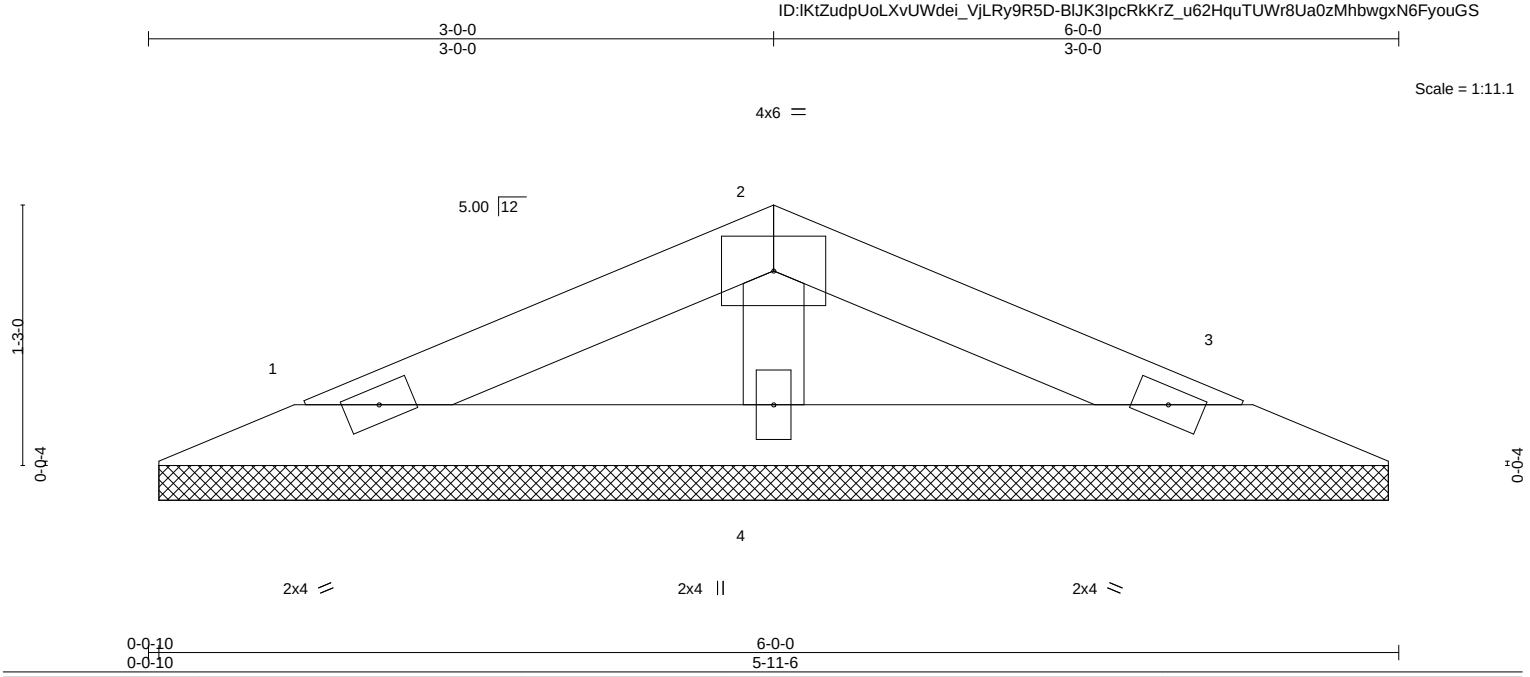
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	V6	Valley	1	1	T20992427
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:53 2020 Page 1
ID:lKtZudpUoLXvUWdei_VjLRy9R5D-BlJK3IpcRkKrZ_u62HquTUWr8Ua0zMhbwgxN6FyouGS



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-P							Weight: 17 lb	FT = 20%

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

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

REACTIONS. (size) 1=5-10-13, 3=5-10-13, 4=5-10-13
Max Horz 1=-30(LC 10)
Max Uplift 1=-44(LC 12), 3=-44(LC 12), 4=-45(LC 12)
Max Grav 1=113(LC 1), 3=113(LC 1), 4=224(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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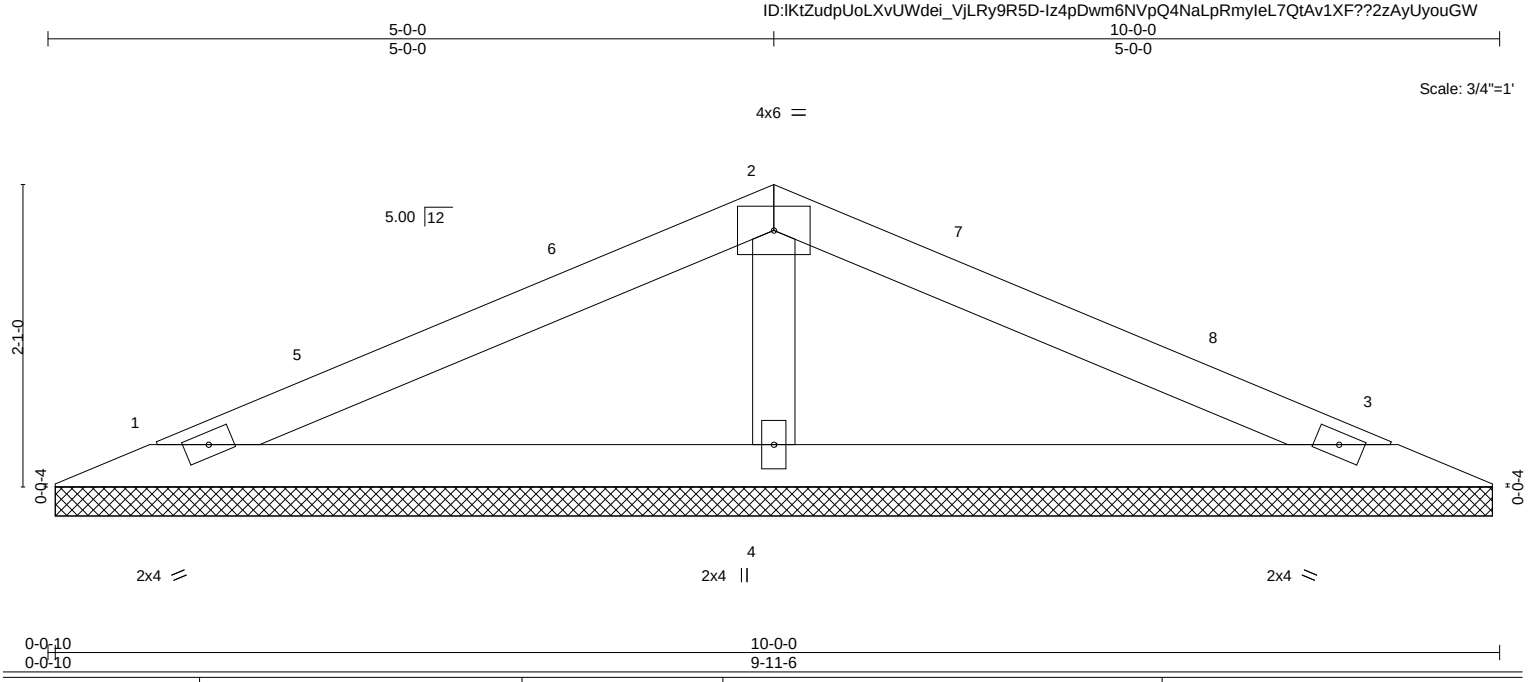
Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	V10	Valley	1	1	T20992428
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:49 2020 Page 1
ID:lKtZudpUoLXvUWdei_VjLRy9R5D-Iz4pDwm6NVpQ4NaLpRmyIeL7QtAv1XF???zAyUyouGW



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)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 31 lb	FT = 20%

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

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

REACTIONS. (size) 1=9-10-13, 3=9-10-13, 4=9-10-13
Max Horz 1=-56(LC 10)
Max Uplift 1=-67(LC 12), 3=-67(LC 12), 4=-118(LC 12)
Max Grav 1=192(LC 21), 3=192(LC 22), 4=472(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-340/272

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 5-0-0, Exterior(2) 5-0-0 to 8-0-0, Interior(1) 8-0-0 to 9-2-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3 except (jt=lb) 4=118.

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Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	V14	GABLE	1	1	T20992429
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:50 2020 Page 1
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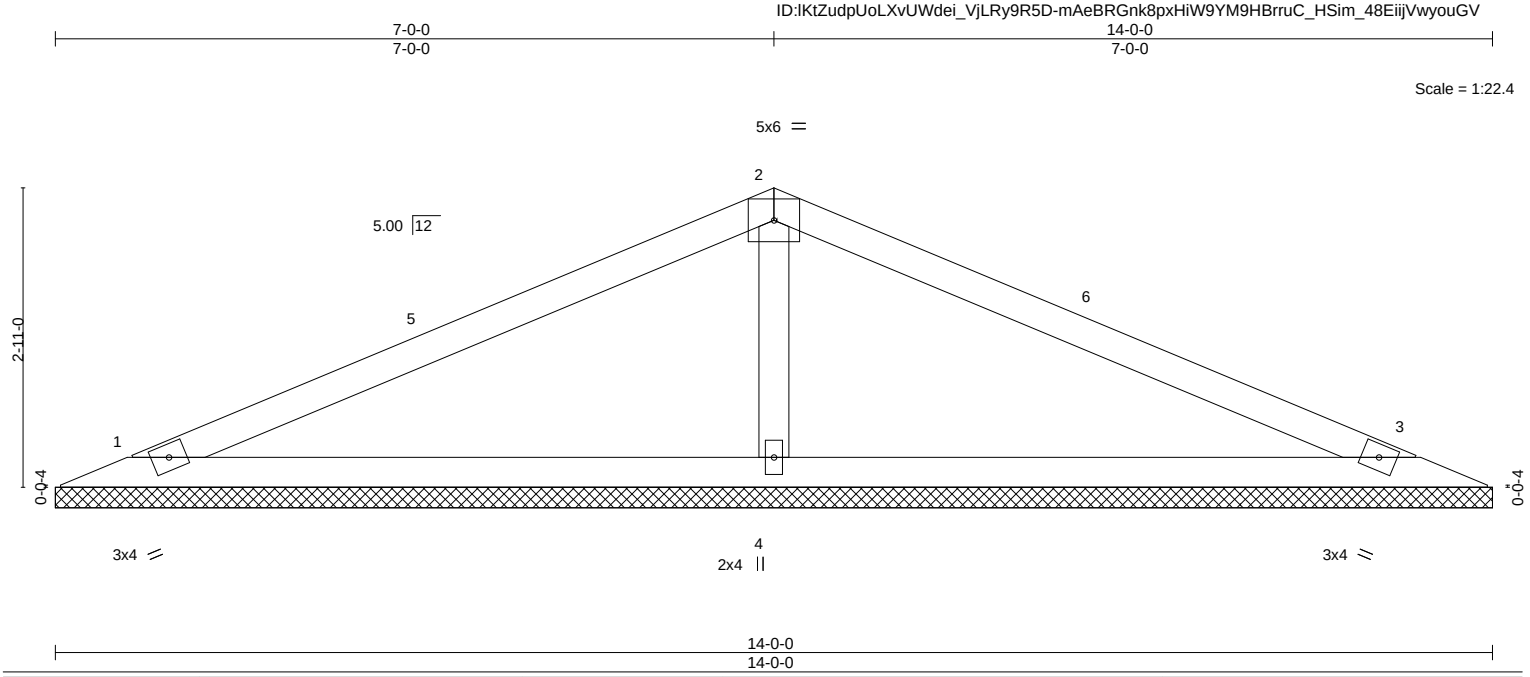

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 44 lb	FT = 20%

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

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

REACTIONS. (size) 1=14-0-0, 3=14-0-0, 4=14-0-0
Max Horz 1=-83(LC 10)
Max Uplift 1=-99(LC 12), 3=-99(LC 12), 4=-173(LC 12)
Max Grav 1=282(LC 21), 3=282(LC 22), 4=694(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-501/333

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 7-0-0, Exterior(2) 7-0-0 to 10-0-0, Interior(1) 10-0-0 to 13-2-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3 except (jt=lb) 4=173.

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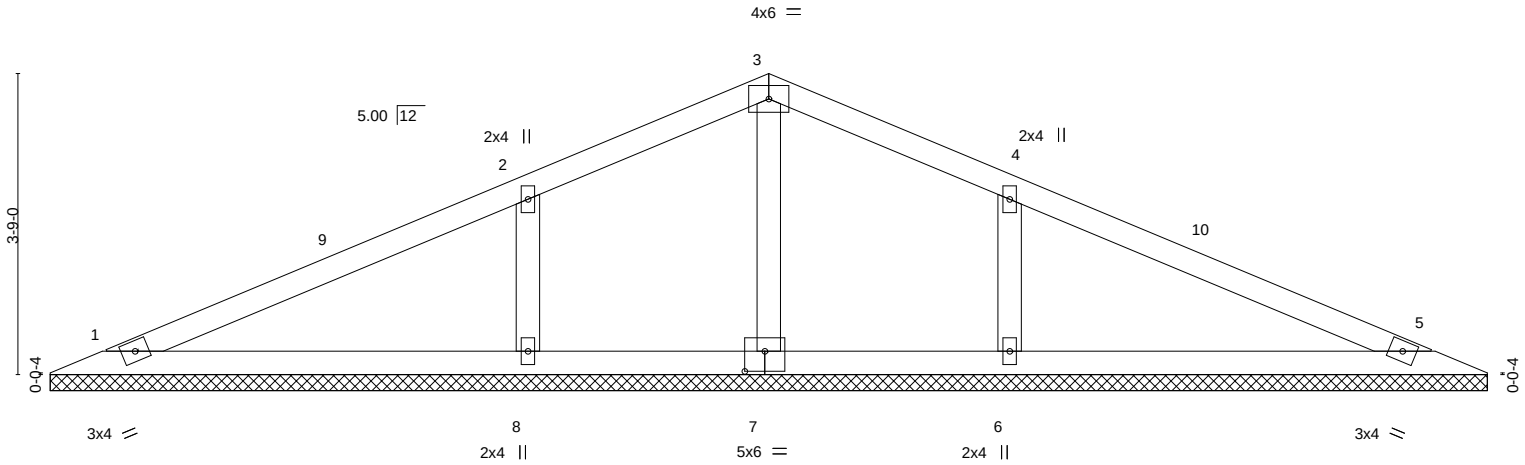
Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	V18	Valley	1	1	T20992430
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:51 2020 Page 1
ID:IKtZudpUoLXvUWdei_VjLRy9R5D-FMCZecnMv738KgkkwsoQN3QR?grjVRWITMSH1NyouGU

9-0-0
9-0-0
18-0-0
9-0-0

Scale = 1:28.7



0-0-10
0-0-10
18-0-0
17-11-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 64 lb	FT = 20%

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

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

REACTIONS. All bearings 17-10-13.
(lb) - Max Horz 1=-109(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 6=-215(LC 12), 8=-216(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=561(LC 18), 8=561(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-6=-431/320, 2-8=-431/320

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 17-2-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 6=215, 8=216.

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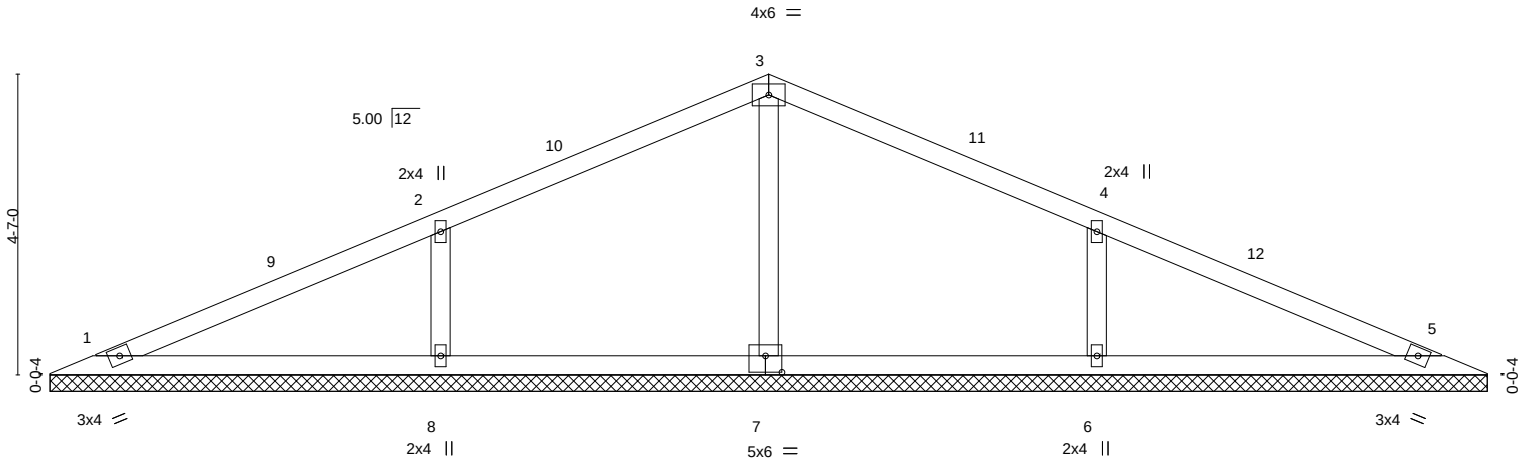
Job	Truss	Truss Type	Qty	Ply	44 Naples III
2511957	V22	Valley	1	1	T20992431
					Job Reference (optional)

Builders FirstSource, Punta Gorda, FL - 33950, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 14:49:52 2020 Page 1
ID:lKtZudpUoLXvUWdei_VjLRy9R5D-jYlysyo_gQC?xqJwUZJfwGzbx4BsEuPRi0BqZpyouGT

11-0-0 22-0-0
11-0-0 11-0-0

Scale = 1:35.1



0-0-10 22-0-0
0-0-10 21-11-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 77 lb	FT = 20%

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

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

REACTIONS. All bearings 21-10-13.
(lb) - Max Horz 1=136(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 6=-242(LC 12), 8=-243(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=398(LC 1), 6=623(LC 18), 8=621(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-314/111, 4-6=-491/345, 2-8=-492/345

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 21-2-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 6=242, 8=243.

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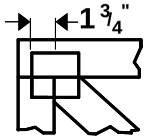
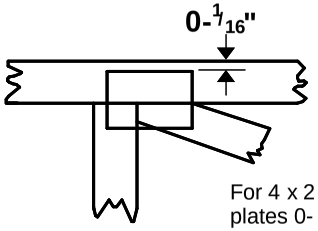
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

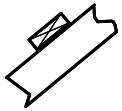
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

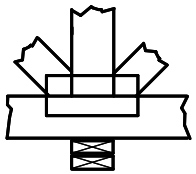
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

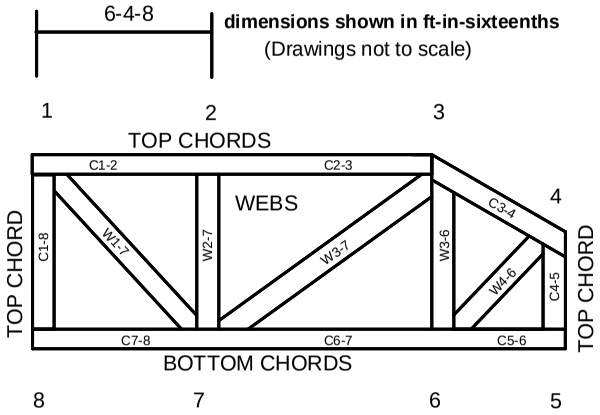


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

21.The design does not take into account any dynamic or other loads other than those expressly stated.