True House

SITE INFORMATION

CAREY RESIDENCE, LAKE CITY

STRUCTURAL ENGINEER OF RECORD

Mark Disosway III
PE No 53915

Apex Technology

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The seal on this index sheet indicates acceptance of professional engineering responsibility solely for the Truss Design Drawings listed above and attached. The suitability and use of each drawing for any particular building is the responsibility of the Building Designer, per ANSI/TPI 1-2002 Section 2

With my seal affixed to this sheet, I hereby certify that this serves as an index sheet in conformance with Rule 61G15-23.002(2) and 61G15-31.003 of the Florida Board of Professional Engineers

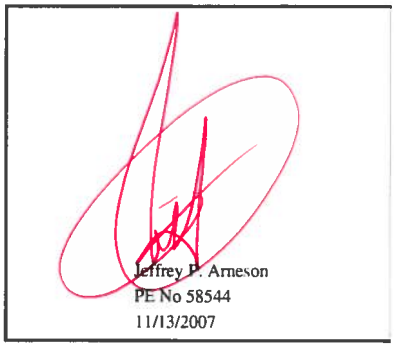
WIND LOADING (Cd=1.6)
MWFRS/C-C Hybrid Wind ASCE 7-02
120 MPH (3 second gust)
Exposure B
Enclosed Structure: (0.18)
Occupancy Category II
Mean Roof Height = 20.000
FBC2004/TPI2002
Design Program: Mitek 20/20 v 6.3

ROOF LOADING (Cd=1.25)
TCLL 20.000
TCDL 7.000
BCLL 10.000
BCDL 5.000

This package includes 38 truss design drawings with individual date of design

NO	JOB ID	TRUSS ID	DATE
1	CAREY	GE01	11/12/...
2	CAREY	GE02	11/12/...
3	CAREY	GE03	11/12/...
4	CAREY	GE04	11/12/...
5	CAREY	GE05	11/12/...
6	CAREY	GE06	11/12/...
7	CAREY	HJ01	11/12/...
8	CAREY	HJ65	11/12/...
9	CAREY	J01	11/12/...
10	CAREY	J02	11/12/...
11	CAREY	J03	11/12/...
12	CAREY	J61	11/12/...
13	CAREY	J63	11/12/...
14	CAREY	J65	11/12/...
15	CAREY	T01	11/12/...
16	CAREY	T02	11/12/...
17	CAREY	T03	11/12/...
18	CAREY	T04	11/12/...
19	CAREY	T05	11/12/...
20	CAREY	T06	11/12/...
21	CAREY	T07	11/12/...
22	CAREY	T08	11/12/...
23	CAREY	T09	11/12/...
24	CAREY	T10	11/12/...
25	CAREY	T11	11/12/...
26	CAREY	T12	11/12/...
27	CAREY	T12A	11/12/...
28	CAREY	T13	11/12/...

NO	JOB ID	TRUSS ID	DATE
29	CAREY	T14	11/12/...
30	CAREY	T15	11/12/...
31	CAREY	T16	11/12/...
32	CAREY	T17	11/12/...
33	CAREY	T18	11/12/...
34	CAREY	T19	11/12/...
35	CAREY	T20	11/12/...
36	CAREY	T21	11/12/...
37	CAREY	T22	11/12/...
38	CAREY	T23	11/12/...



CAREY

TRUSS ID	QTY	PLIES	SPAN	O.C.	REACTION AND UPLIFT SUMMARY
GE01	1	1	22-0-0	24"	CONTINUOUS BEARING GABLE
GE02	1	1	7-8-0	24"	CONTINUOUS BEARING GABLE
GE03	1	1	19-11-7	24"	CONTINUOUS BEARING GABLE
GE04	1	1	31-7-8	24"	BRG 2 / BRG 14 / BRG 10 / BRG 13 / BRG 15 / BRG 16 / BRG 17 / BRG 18 215 / 974 / 560 / 517 / 100 / 64 / 54 / 152 -111 / -963 / -297 / 0 / 0 / 0 / -45 / -70
GE05	1	1	40-11-11	24"	BRG 13 / BRG 15 / BRG 14 / BRG 12 / BRG 1 / BRG 10 2618 / 165 / 92 / 60 / 567 / 383 -1554 / -85 / -103 / -44 / -298 / -598
GE06	1	1	25-8-0	24"	CONTINUOUS BEARING GABLE
HJ01	1	1	5-4-10	24"	BRG 3 / BRG 2 / BRG 4 92 / 257 / 81 -107 / -288 / -65
HJ65	2	1	7-0-13	24"	BRG 3 / BRG 2 / BRG 4 145 / 359 / 101 -150 / -395 / -90
J01	2	1	2-5-9	24"	BRG 3 / BRG 2 / BRG 4 26 / 200 / 34 -29 / -232 / -27
J02	1	1	3-10-4	24"	BRG 3 / BRG 2 / BRG 4 77 / 231 / 55 -80 / -251 / -44
J03	1	1	1-10-4	24"	BRG 2 / BRG 4 / BRG 3 182 / 27 / 15 -219 / -22 / -17
J61	4	1	1-0-0	24"	BRG 2 / BRG 4 / BRG 3 188 / 14 / 83 -248 / -11 / -46

The reactions and uplifts shown on this sheet are for reference only. Refer to shop drawings for additional information

CAREY

TRUSS ID	QTY	PLIES	SPAN	O.C.	REACTION AND UPLIFT SUMMARY		
J63	4	1	3-0-0	24"	BRG 3	BRG 2	BRG 4
					47	210	42
					-44	-236	-33
J65	12	1	5-0-0	24"	BRG 3	BRG 2	BRG 4
					113	262	72
					-122	-275	-57
T01	9	1	22-0-0	24"	BRG 2	BRG 6	
					941	941	
					-303	-303	
T02	2	1	20-0-0	24"	BRG 2	BRG 7	
					724	624	
					-287	-181	
T03	1	1	19-11-7	24"	BRG 2	BRG 7	
					726	625	
					-275	-231	
T04	4	1	31-7-8	24"	BRG 2	BRG 9	
					1098	1000	
					-402	-299	
T05	1	1	35-7-8	24"	BRG 2	BRG 9	
					1225	1128	
					-445	-311	
T06	1	1	44-0-0	24"	BRG 1	BRG 9	
					1399	1399	
					-424	-424	
T07	2	1	41-7-8	24"	BRG 1	BRG 11	
					1399	1401	
					-424	-422	
T08	2	1	39-3-0	24"	BRG 1	BRG 11	
					1401	1401	
					-423	-423	
T09	1	1	41-7-8	24"	BRG 1	BRG 9	
					1401	1399	
					-423	-424	
T10	1	1	41-7-8	24"	BRG 1	BRG 9	
					1404	1489	
					-423	-509	

The reactions and uplifts shown on this sheet are for reference only. Refer to shop drawings for additional information

CAREY

TRUSS ID	QTY	PLIES	SPAN	O.C.	REACTION AND UPLIFT SUMMARY		
T11	1	1	41-7-8	24"	BRG 12	BRG 1	BRG 10
					2192	998	73
					-751	-307	-445
T12	2	1	41-7-8	24"	BRG 13	BRG 1	BRG 10
					2416	791	76
					-917	-233	-523
T12A	1	1	44-0-0	24"	BRG 1	BRG 13	BRG 10
					961	1734	294
					-297	-685	-289
T13	1	1	44-0-0	24"	BRG 1	BRG 11	BRG 9
					1123	1680	188
					-353	-565	-237
T14	1	1	44-0-0	24"	BRG 1	BRG 11	BRG 9
					1168	1666	152
					-366	-547	-209
T15	3	1	41-7-9	24"	BRG 11	BRG 1	BRG 9
					2077	1114	80
					-661	-344	-410
T16	1	1	41-7-9	24"	BRG 11	BRG 1	BRG 9
					2114	1061	70
					-696	-327	-418
T17	1	1	23-3-9	24"	BRG 1	BRG 7	
					814	812	
					-245	-246	
T18	1	1	25-8-0	24"	BRG 6	BRG 2	
					809	908	
					-245	-338	
T19	1	1	17-7-8	24"	BRG 6	BRG 2	
					822	819	
					-963	-887	
T20	1	1	21-0-0	24"	BRG 2	BRG 6	
					755	755	
					-602	-602	
T21	1	1	21-0-0	24"	BRG 2	BRG 7	
					755	755	
					-593	-593	

The reactions and uplifts shown on this sheet are for reference only. Refer to shop drawings for additional information

CAREY

TRUSS ID	QTY	PLIES	SPAN	O.C.	REACTION AND UPLIFT SUMMARY	
T22	1	1	21-0-0	24"	BRG 2	BRG 5
					755	755
					-578	-578
T23	1	1	21-0-0	24"	BRG 2	BRG 6
					1134	1134
					-1249	-1239

The reactions and uplifts shown on this sheet are for reference only. Refer to shop drawings for additional information

1. PERMANENT BRACING IS ALWAYS REQUIRED AND MUST BE PROVIDED BY THE BUILDING DESIGNER OR ENGINEER OF RECORD. PERMANENT BRACING INCLUDES TOP CHORD BRACING, BOTTOM CHORD BRACING, COMPRESSION WEB MEMBER BRACING AND GABLE END LATERAL BRACING.

2. RECIEPT, STORAGE, ERECTION, FIELD INSTALLATION AND FIELD ASSEMBLY IS THE RESPONSIBILITY OF THE CONTRACTOR. IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, THE CONTRACTOR SHALL ENSURE THAT THE TRUSSES ARE BRACED IN ACCORDANCE WITH BCSI-03.

3. NEVER EXCEED THE DESIGN LOADING SHOWN AND NEVER STACK MATERIALS ON INADEQUATELY BRACED TRUSSES.

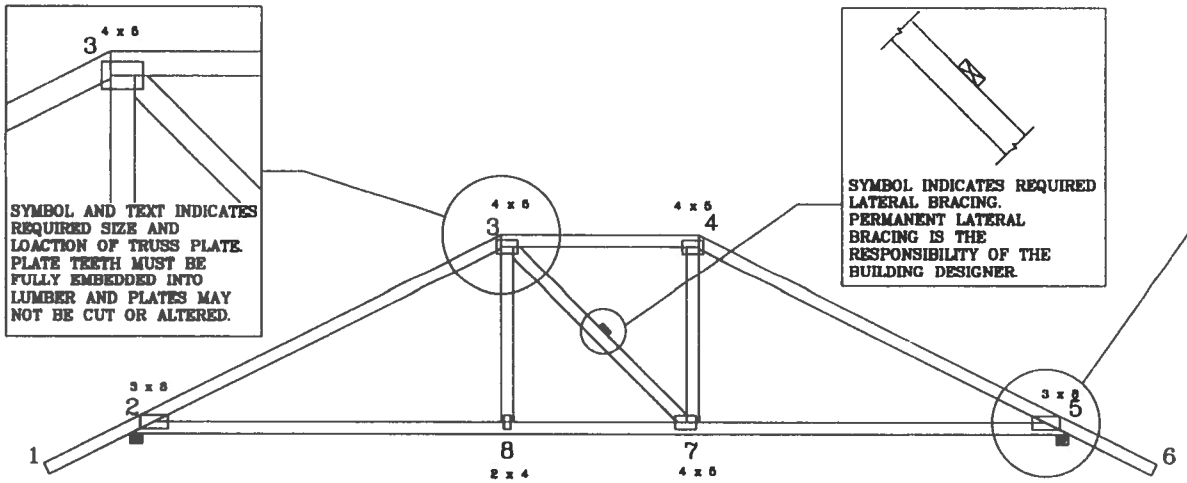
4. PROVIDE COPIES OF THE TRUSS DESIGN TO THE BUILDING DESIGNER, ERECTION SUPERVISOR, PROPERTY OWNER AND ALL OTHER INTERESTED PARTIES.

5. TOP CHORDS MUST BE SHEATHED OR PURLINS PROVIDED AT SPACING SHOWN ON DESIGN. BUILDING DESIGNER OR ENGINEER OF RECORD REQUIRED TO PROVIDE THIS - SEE NOTE 1 ABOVE.

6. BOTTOM CHORDS REQUIRE RIGID CEILING OR CONTINUOUS LATERAL BRACING AT SPACING NOTED ON TRUSS PROFILE. BUILDING DESIGNER OR ENGINEER OF RECORD REQUIRED TO PROVIDE THIS - SEE NOTE 1 ABOVE.

7. TRUSS TO TOP PLATE AND ALL OTHER CONNECTIONS NOT SHOWN ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER.

8. DO NOT CUT OR ALTER TRUSS MEMEBER OR PLATE WITHOUT PRIOR APPROVAL OF A PROFESSIONAL ENGINEER. FOR TRUSS REPAIR DRAWINGS, FAX REPAIR REQUEST TO 992-8700. FAX SHOULD CONTAIN TRUSS JOB NUMBER, TRUSS NUMBER, SPECIFIC SCOPE OF REPAIR AND CONTRACTOR CONTACT INFO.



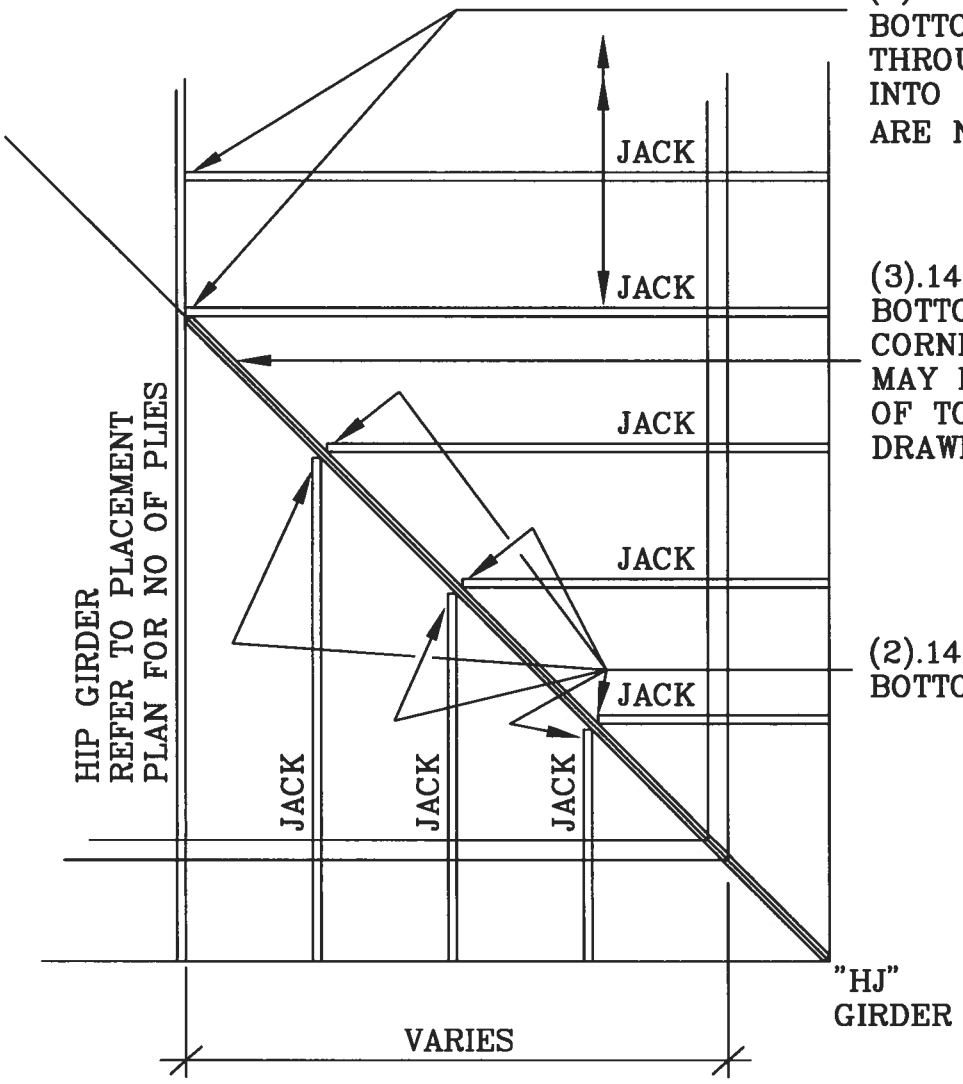
JOINTS ARE GENERALLY NUMBERED CLOCKWISE AROUND THE TRUSS, STARTING WITH THE JOINT FARTHEST TO THE LEFT. DIMINSIONS ARE SHOWN IN FEET-INCHES-SIXTEENTHS.

8-11-15

TRUETRUSS
A DIVISION OF TRUEHOUSE

GENERAL NOTES AND DETAILS

APEX TECHNOLOGY



(3).148" x 3" TOE-NAILS @ TOP & BOTTOM CHORD CONNECTION. (NAILS THROUGH BACK SIDE OF GIRDER INTO END GRAIN OF JACK TRUSS ARE NOT ALLOWED)

(3).148" x 3" TOE-NAILS @ TOP & BOTTOM CHORD CONNECTION FOR CORNER JACK. SOME CORNER JACKS MAY REQUIRE SIMPSON LS30 IN LIEU OF TOE-NAILS. REFER TO SHOP DRAWINGS.

(2).148" x 3" TOE-NAILS @ TOP & BOTTOM CHORD CONNECTION.

TYPICAL HIP SET NAILING DETAIL

TRUE TRUSS
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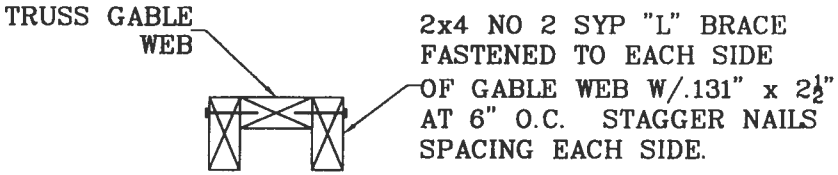
TRUEHOUSE

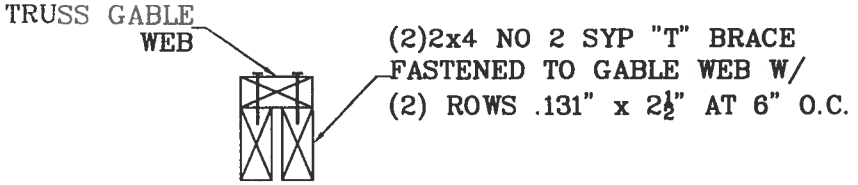
APEX TECHNOLOGY



SECTION A–A

OPTION 1

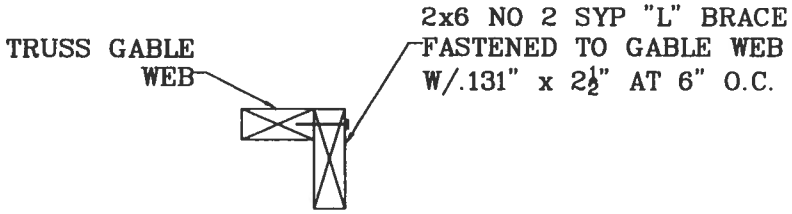
(97"–144")



SECTION A–A

OPTION 2

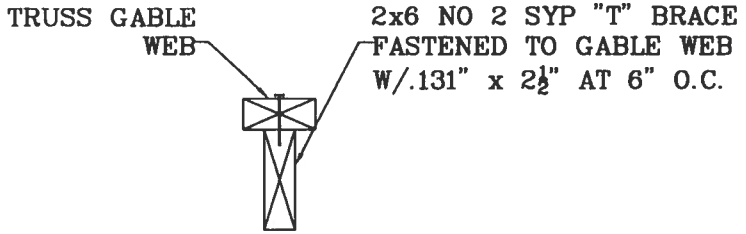
(97"–144")



SECTION B–B

OPTION 1

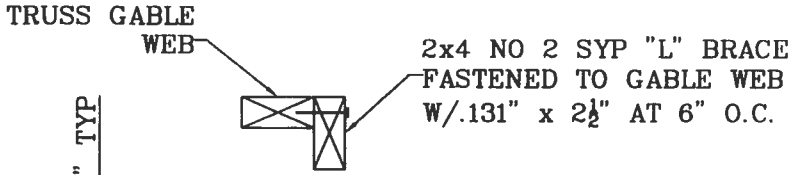
(73"–96")



SECTION B–B

OPTION 2

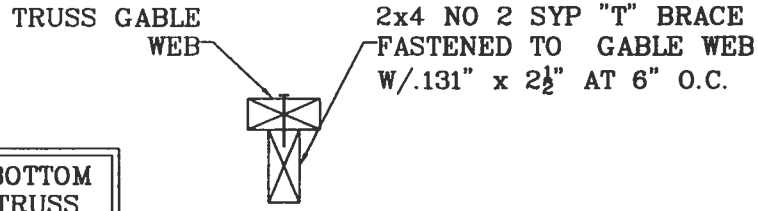
(73"–96")



SECTION C–C

OPTION 1

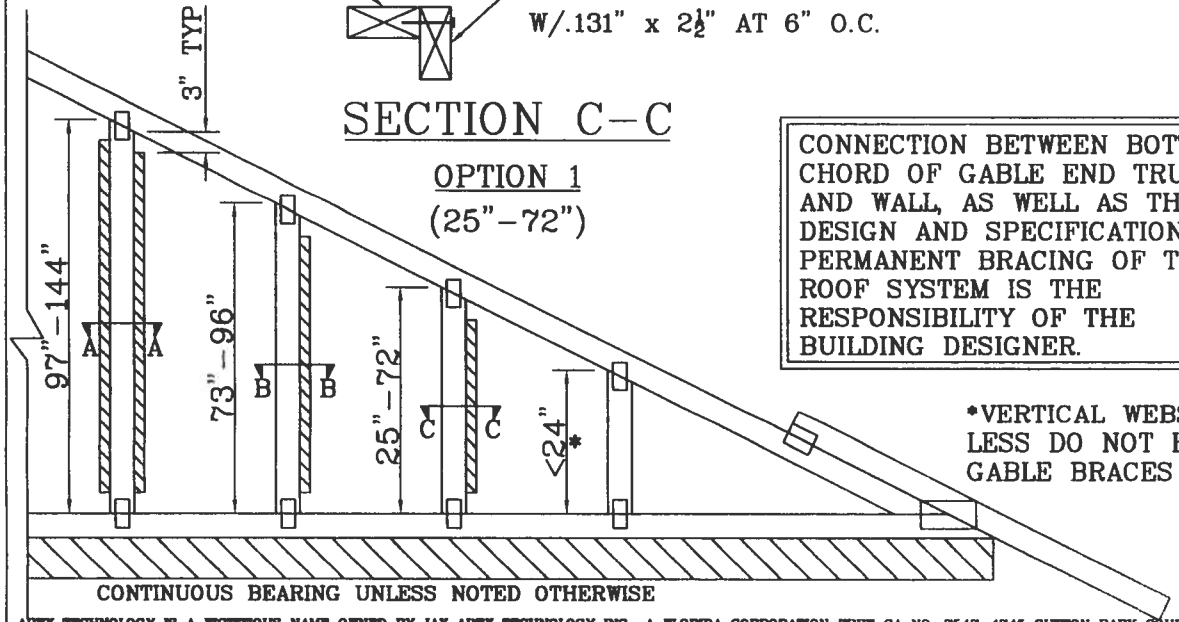
(25"–72")



SECTION C–C

OPTION 2

(25"–72")



CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL, AS WELL AS THE DESIGN AND SPECIFICATION OF PERMANENT BRACING OF THE ROOF SYSTEM IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.

*VERTICAL WEBS 24" OR LESS DO NOT REQUIRE GABLE BRACES

TRUETRUSS
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GABLE END BRACING DETAIL

APEX TECHNOLOGY

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	GE01	ROOF TRUSS	1	1	Job Reference (optional)

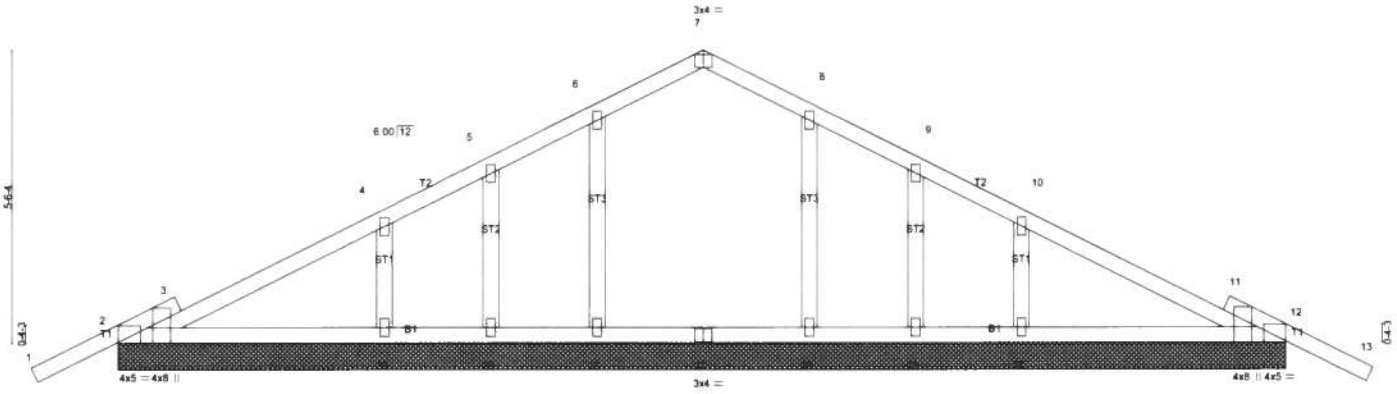
6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12.21.43 2007 Page 1

9-1-2

11-0-0 | 22-0-0

11-0-0 | 11-0-0

Scale = 1:41.9



9-1-2

22-0-0

22-0-0

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

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.22	Vert(LL) 0.01 13 n/r 120	MT20 244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.12	Vert(TL) 0.01 13 n/r 180	
BCLL 10.0	*	Rep Stress Incr NO	WB 0.06	Horz(TL) 0.01 12 n/a n/a	
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)		Weight: 103 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=185/22-0-0, 7=219/22-0-0, 12=185/22-0-0, 18=155/22-0-0, 19=50/22-0-0, 20=289/22-0-0, 16=155/22-0-0, 15=50/22-0-0, 14 =289/22-0-0
Max Horz 2=-122(load case 7)
Max Uplift 2=-158(load case 6), 7=-4(load case 6), 12=-177(load case 7), 18=-107(load case 6), 19=-71(load case 6), 20=-206(load case 6), 16=-108(load case 7), 15=-68(load case 7), 14=-212(load case 7)
Max Grav 2=200(load case 10), 7=219(load case 1), 12=200(load case 11), 18=162(load case 10), 19=50(load case 1), 20=294(load case 10), 16=162(load case 11), 15=50(load case 1), 14=294(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-162/93, 3-4=-139/182, 4-5=-32/130, 5-6=0/152, 6-7=0/169, 7-8=0/169, 8-9=0/152, 9-10=0/130, 10-11=-90/182, 11-12=-114/93, 12-13=0/36
BOT CHORD 2-20=-111/209, 19-20=-111/209, 18-19=-111/209, 17-18=-111/209, 16-17=-111/209, 15-16=-111/209, 14-15=-111/209, 12-14=-111/209
WEBS 6-18=-122/140, 5-19=-58/89, 4-20=-227/249, 8-16=-122/140, 9-15=-58/89, 10-14=-227/249

JOINT STRESS INDEX
2 = 0.37, 2 = 0.18, 3 = 0.00, 4 = 0.34, 5 = 0.34, 6 = 0.34, 7 = 0.23, 8 = 0.34, 9 = 0.34, 10 = 0.34, 11 = 0.00, 12 = 0.37, 12 = 0.18, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.23, 18 = 0.34, 19 = 0.34 and 20 = 0.34

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 2, 4 lb uplift at joint 7, 177 lb uplift at joint 12, 107 lb uplift at joint 18, 71 lb uplift at joint 19, 206 lb uplift at joint 20, 108 lb uplift at joint 16, 68 lb uplift at joint 15 and 212 lb uplift at joint 14.
10) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
11) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	GE02	ROOF TRUSS	1	1	Job Reference (optional)

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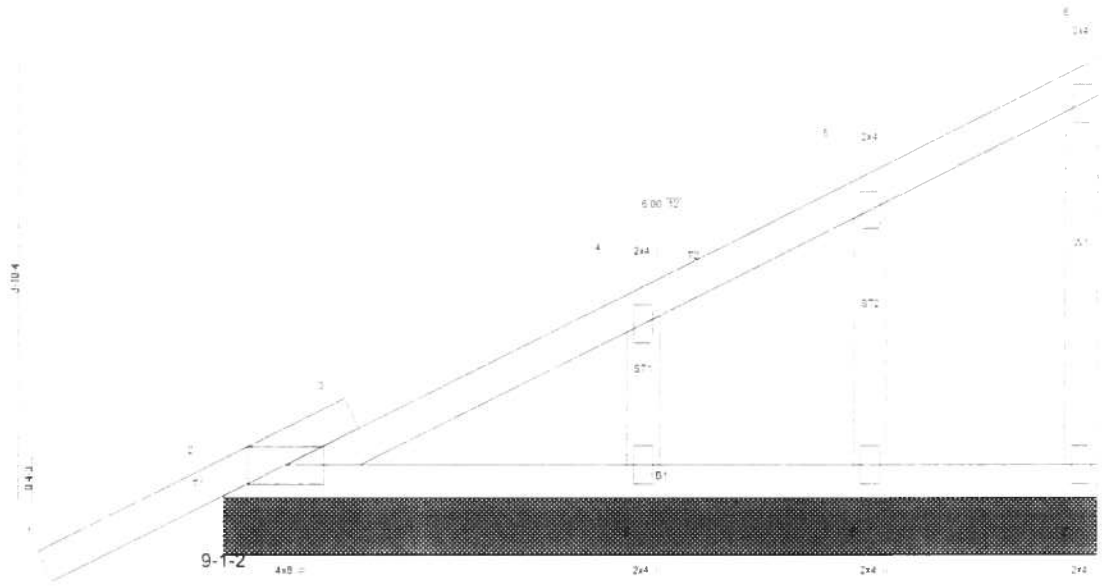
9-1-2

7-8-0

7-8-0



9-1-2

7-8-0

7-8-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	0.00	1	n/r	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.05	Horz(TL)	-0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 38 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=205/7-8-0, 7=56/7-8-0, 8=103/7-8-0, 9=201/7-8-0
Max Horz2=248(load case 6)
Max Uplift2=-144(load case 6), 7=-45(load case 6), 8=-107(load case 6), 9=-116(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-234/0, 3-4=-214/38, 4-5=-116/15, 5-6=-34/18, 6-7=-45/70
BOT CHORD 2-9=-4/2, 8-9=-4/2, 7-8=-4/2
WEBS 5-8=-92/166, 4-9=-161/208

JOINT STRESS INDEX
2 = 0.66, 3 = 0.00, 4 = 0.11, 5 = 0.09, 6 = 0.14, 7 = 0.06, 8 = 0.09 and 9 = 0.12

NOTES (8-9)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS (gable end zone and C-C Exterior(2) zone); Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) All bearings are assumed to be SYP No.2.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 2, 45 lb uplift at joint 7, 107 lb uplift at joint 8 and 116 lb uplift at joint 9.
8) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
9) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	GE03	ROOF TRUSS	1	1	Job Reference (optional)

9-1-2 6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:21:45 2007 Page 1

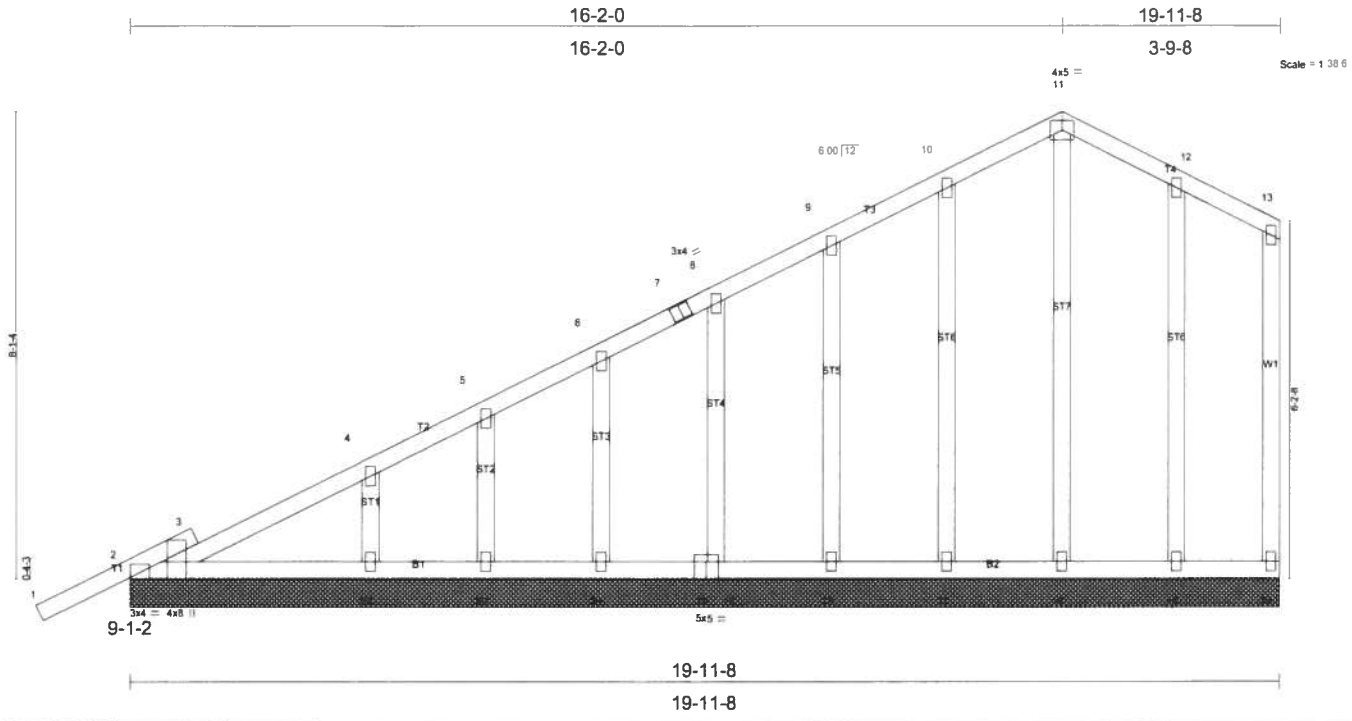


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-2-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC 0.22		Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL 7.0		Lumber Increase	1.25	BC 0.08		Vert(TL)	0.00	1	n/r	180		
BCLL 10.0	*	Rep Stress Incr	NO	WB 0.12		Horz(TL)	-0.00	14	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 132 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 14=44/19-11-8, 2=215/19-11-8, 16=128/19-11-8, 17=128/19-11-8, 18=129/19-11-8, 19=125/19-11-8, 21=139/19-11-8, 22=82/19-11-8, 23=238/19-11-8, 15=124/19-11-8
Max Horz 2=415(load case 6)
Max Uplift 14=-41(load case 7), 2=-79(load case 6), 16=-24(load case 6), 17=-106(load case 6), 18=-110(load case 6), 19=-108(load case 6), 21=-109(load case 6), 22=-106(load case 6), 23=-124(load case 6), 15=-98(load case 7)
Max Grav 14=45(load case 11), 2=215(load case 1), 16=128(load case 1), 17=132(load case 10), 18=129(load case 1), 19=125(load case 1), 21=139(load case 1), 22=82(load case 10), 23=238(load case 1), 15=128(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-349/0, 3-4=-337/48, 4-5=-259/13, 5-6=-201/27, 6-7=-139/5, 7-8=-132/23, 8-9=-78/27, 9-10=-26/54, 10-11=-26/93, 11-12=-26/92, 12-13=-17/30, 13-14=-37/51
BOT CHORD 2-23=-2/1, 22-23=-2/1, 21-22=-2/1, 20-21=-2/1, 19-20=-2/1, 18-19=-2/1, 17-18=-2/1, 16-17=-2/1, 15-16=-2/1, 14-15=-2/1
WEBS 11-16=-108/36, 10-17=-112/128, 9-18=-108/137, 8-19=-107/134, 6-21=-115/137, 5-22=-76/125, 4-23=-187/167, 12-15=-109/122

JOINT STRESS INDEX
2 = 0.39, 2 = 0.28, 3 = 0.00, 4 = 0.34, 5 = 0.34, 6 = 0.34, 7 = 0.23, 8 = 0.34, 9 = 0.34, 10 = 0.34, 11 = 0.25, 12 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.00, 20 = 0.41, 21 = 0.34, 22 = 0.34 and 23 = 0.34

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 14, 79 lb uplift at joint 2, 24 lb uplift at joint 16, 106 lb uplift at joint 17, 110 lb uplift at joint 18, 108 lb uplift at joint 19, 109 lb uplift at joint 21, 106 lb uplift at joint 22, 124 lb uplift at joint 23 and 98 lb uplift at joint 15.
10) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
11) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	GE04	ROOF TRUSS	1	1	Job Reference (optional)

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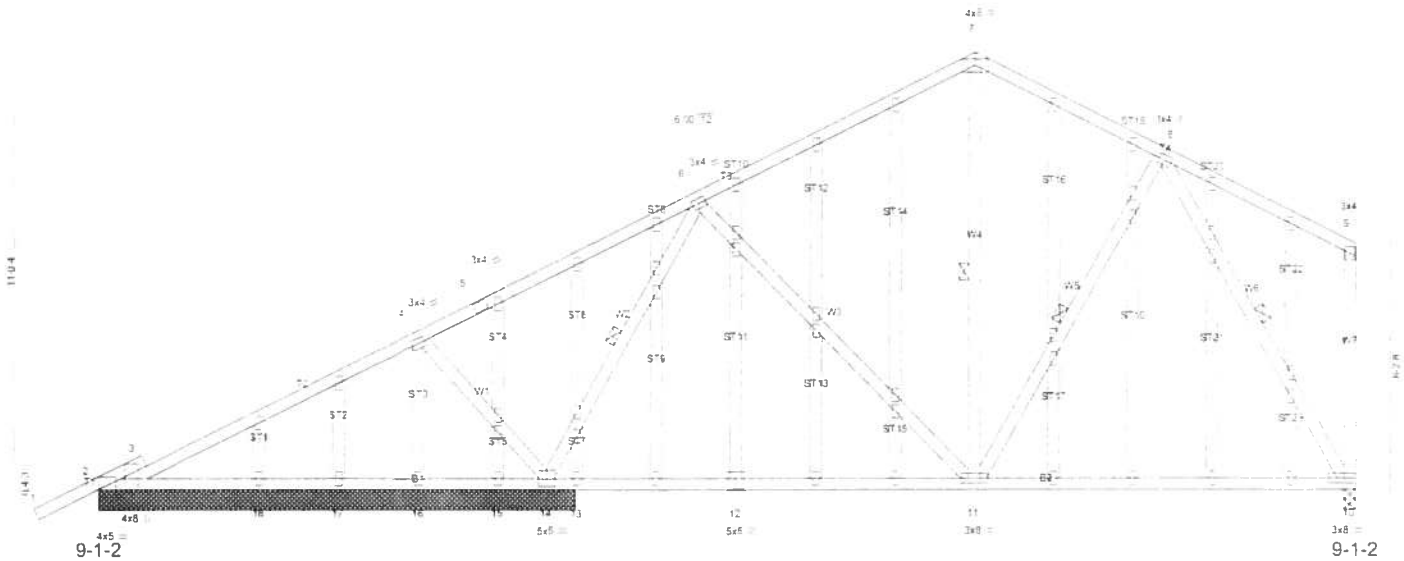
8-1-9	15-0-12	22-0-0	26-8-0	31-7-8
8-1-9	6-11-4	6-11-4	4-8-0	4-11-8

Scale = 1:56.3



9-1-2 — 9-1-2

11-2-14	22-0-0	31-7-8
11-2-14	10-9-2	9-7-8

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

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase 1.25	TC 0.50	Vert(LL)	-0.13	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase 1.25	BC 0.49	Vert(TL)	-0.23	10-11	>999	180		
BCLL	10.0 *	Rep Stress Incr NO	WB 0.32	Horz(TL)	-0.00	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 307 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals [P]
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-14, 7-11, 8-11, 8-10

REACTIONS (lb/size) 2=213/11-11-8, 14=974/11-11-8, 10=560/0-3-8, 13=180/11-11-8, 15=30/11-11-8, 16=36/11-11-8, 17=-44/11-11-8, 18=152/11-11-8
Max Horz 2=464(load case 6)
Max Uplift 2=-111(load case 6), 14=-963(load case 6), 10=-297(load case 7), 17=-45(load case 10), 18=-70(load case 6)
Max Grav 2=215(load case 10), 14=974(load case 1), 10=560(load case 1), 13=517(load case 2), 15=100(load case 2), 16=64(load case 2), 17=54(load case 6), 18=152(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-321/44, 3-4=-281/187, 4-5=-367/296, 5-6=-343/449, 6-7=-367/347, 7-8=-330/367, 8-9=-77/92, 9-10=-133/150
BOT CHORD 2-18=-82/52, 17-18=-82/52, 16-17=-82/52, 15-16=-82/52, 14-15=-82/52, 13-14=-96/105, 12-13=-96/105, 11-12=-96/105, 10-11=-164/237
WEBS 4-14=-377/459, 6-14=-927/795, 6-11=-52/210, 7-11=-78/111, 8-11=-34/145, 8-10=-440/317

JOINT STRESS INDEX
2 = 0.74, 2 = 0.18, 3 = 0.00, 4 = 0.54, 5 = 0.26, 6 = 0.62, 7 = 0.49, 8 = 0.49, 9 = 0.34, 10 = 0.42, 11 = 0.60, 12 = 0.52, 13 = 0.34, 14 = 0.26, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.34, 24 = 0.34, 25 = 0.34, 26 = 0.34, 26 = 0.34, 27 = 0.34, 27 = 0.34, 28 = 0.34, 29 = 0.34, 30 = 0.34, 30 = 0.34, 31 = 0.34, 32 = 0.34, 32 = 0.34, 33 = 0.34, 34 = 0.34, 35 = 0.34, 36 = 0.34, 37 = 0.34, 38 = 0.34, 38 = 0.34, 39 = 0.34, 40 = 0.34, 41 = 0.34, 41 = 0.34, 42 = 0.34, 43 = 0.34, 44 = 0.34, 44 = 0.34, 45 = 0.34, 46 = 0.34, 47 = 0.34 and 47 = 0.34

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust), h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS (gable end zone and C-C Exterior(2) zone); Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) All bearings are assumed to be SYP No.2.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 2, 963 lb uplift at joint 14, 297 lb uplift at joint 10, 45 lb uplift at joint 17 and 70 lb uplift at joint 18.
9) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
10) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	GE05	GABLE	1	1	Job Reference (optional)

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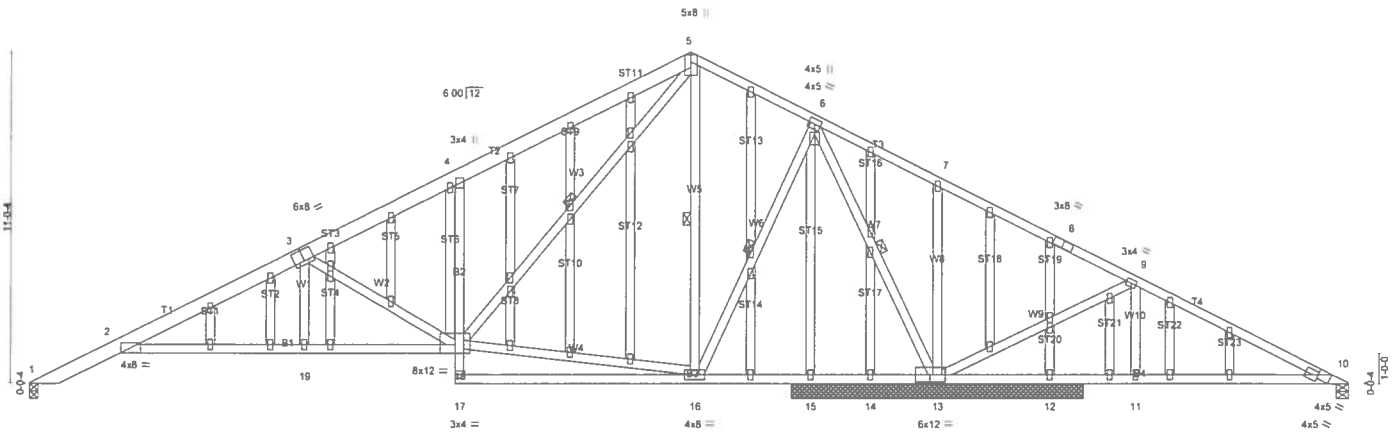
9-1-2 9-1-2

2-9-8	9-1-11	14-2-0	22-0-0	26-1-8	30-3-0	36-10-4	44-0-0
2-9-8	6-4-3	5-0-5	7-10-0	4-1-8	4-1-8	6-7-4	7-1-12

Scale = 1:74.2



9-1-2 9-1-2 9-1-2

2-9-8	9-1-11	14-2-0	22-0-0	30-3-0	36-10-4	44-0-0
2-9-8	6-4-3	5-0-5	7-10-0	8-3-0	6-7-4	7-1-12

Plate Offsets (X,Y): [2:Edge,0-0-2], [3:0-4-0,0-4-8], [6:0-0-14,0-2-0], [10:0-0-3,Edge], [10:0-5-3,0-1-8], [13:0-5-12,0-3-0], [47:0-1-12,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	0.55	2-19	>560	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.71	2-19	>438	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.96	Horz(TL)	0.30	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 388 lb	

LUMBER
TOP CHORD 2 X 6 SYP DSS *Except*
T3 2 X 4 SYP No.2, T4 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-8 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 5-2-3 oc bracing.
WEBS 1 Row at midpt 5-18, 5-16, 6-16, 6-13

REACTIONS (lb/size) 13=2618/9-9-0, 15=165/9-9-0, 14=-103/9-9-0, 12=-44/9-9-0, 1=567/0-3-8, 10=-406/0-4-15
Max Horz 1=195(load case 5)
Max Uplift13=-1554(load case 6), 15=-85(load case 6), 14=-103(load case 1), 12=-44(load case 1), 1=-298(load case 6), 10=-598(l oad case 10)
Max Grav13=2618(load case 1), 15=165(load case 1), 14=92(load case 6), 12=60(load case 6), 1=567(load case 1), 10=383(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-227/276, 2-3=-1044/698, 3-4=-416/364, 4-5=-431/592, 5-6=-60/371, 6-7=-1134/1961, 7-8=-1315/1998, 8-9=-1328/1855, 9-10=-1034/1559
BOT CHORD 2-19=-565/963, 18-19=-565/967, 17-18=0/126, 4-18=-315/420, 16-17=0/144, 15-16=-779/839, 14-15=-779/839, 13-14=-779/839, 12-13=-1388/982, 11-12=-1388/982, 10-11=-1388/982
WEBS 3-19=-27/231, 3-18=-785/645, 16-18=-369/514, 5-18=-813/913, 5-16=-1038/686, 6-16=-735/1196, 6-13=-2190/1496, 7-13=-305/380, 9-13=-566/561, 9-11=-34/221

JOINT STRESS INDEX
2 = 0.88, 3 = 0.50, 4 = 0.32, 5 = 0.81, 6 = 0.71, 6 = 0.30, 7 = 0.34, 8 = 0.73, 9 = 0.59, 10 = 0.86, 10 = 0.30, 11 = 0.34, 12 = 0.34, 13 = 0.93, 14 = 0.34, 15 = 0.34, 16 = 0.89, 17 = 1.00, 18 = 0.35, 18 = 0.00, 19 = 0.34, 20 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.34, 26 = 0.34, 26 = 0.34, 27 = 0.34, 28 = 0.34, 29 = 0.34, 30 = 0.34, 31 = 0.34, 32 = 0.34, 32 = 0.34, 33 = 0.34, 34 = 0.34, 35 = 0.34, 36 = 0.34, 37 = 0.34, 38 = 0.34, 39 = 0.34, 40 = 0.34, 41 = 0.34, 41 = 0.34, 42 = 0.34, 43 = 0.34, 43 = 0.34, 44 = 0.34, 45 = 0.34, 46 = 0.34, 47 = 0.40, 47 = 0.34, 48 = 0.34, 49 = 0.34, 50 = 0.34, 51 = 0.34, 52 = 0.34 and 53 = 0.34

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zo ne and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS fo r reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "S tandard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) All bearings are assumed to be SYP No.2
8) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should v erify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1554 lb uplift at joint 13, 85 l b uplift at joint 15, 103 lb uplift at joint 14, 44 lb uplift at joint 12, 298 lb uplift at joint 1 and 598 lb uplift at joint 10.
10) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business N o. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
11) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	GE06	ROOF TRUSS	1	1	Job Reference (optional)

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9-1-2

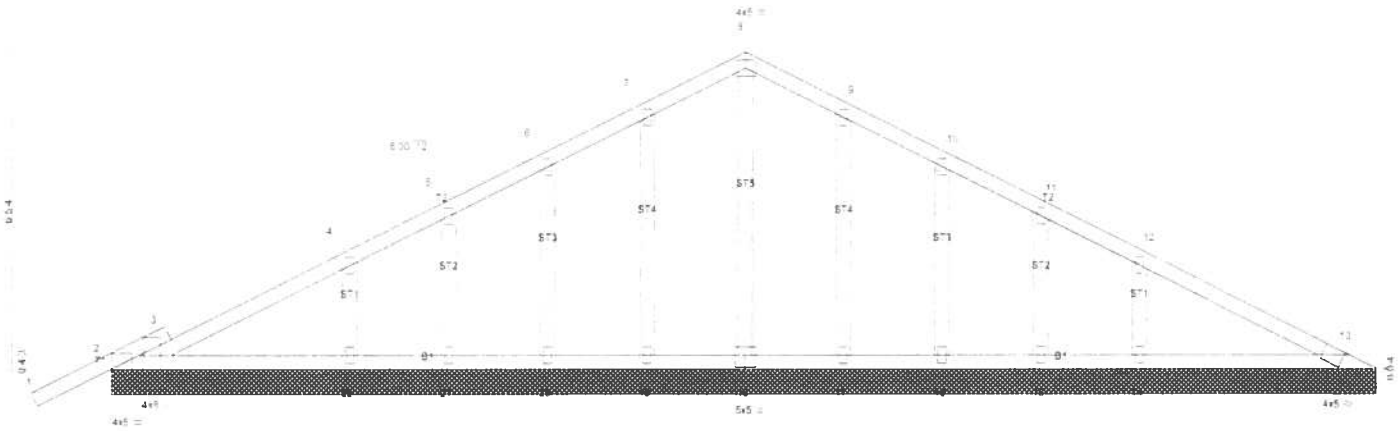
12-10-0

25-8-0

12-10-0

12-10-0

Scale = 1:45.1



9-1-2

25-8-0

25-8-0

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-1-8,Edge], [18:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	0.01	1	n/r	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.09	Horz(TL)	0.01	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 132 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=215/25-8-0, 13=95/25-8-0, 18=158/25-8-0, 19=126/25-8-0, 20=145/25-8-0, 21=56/25-8-0, 22=285/25-8-0, 17=126/25-8-0, 16=144/25-8-0, 15=61/25-8-0, 14=280/25-8-0
Max Horz2=159(load case 6)
Max Uplift2=-158(load case 6), 13=-19(load case 7), 19=-101(load case 6), 20=-119(load case 6), 21=-71(load case 6), 22=-195(load case 6), 17=-98(load case 7), 16=-125(load case 7), 15=-51(load case 7), 14=-237(load case 7)
Max Grav2=215(load case 1), 13=107(load case 11), 18=158(load case 1), 19=130(load case 10), 20=145(load case 1), 21=56(load case 10), 22=285(load case 1), 17=129(load case 11), 16=144(load case 1), 15=61(load case 11), 14=280(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-160/36, 3-4=-137/96, 4-5=-52/80, 5-6=-25/103, 6-7=0/159, 7-8=0/221, 8-9=-17/221, 9-10=-16/159, 10-11=-12/84, 11-12=-32/43, 12-13=-111/90
BOT CHORD 2-22=-35/149, 21-22=-35/149, 20-21=-35/149, 19-20=-35/149, 18-19=-35/149, 17-18=-35/149, 16-17=-35/149, 15-16=-35/149, 14-15=-35/149, 13-14=-35/149
WEBS 8-18=-137/0, 7-19=-112/121, 6-20=-119/149, 5-21=-59/92, 4-22=-221/237, 9-17=-111/120, 10-16=-117/151, 11-15=-64/83, 12-14=-213/258

JOINT STRESS INDEX
2 = 0.37, 2 = 0.18, 3 = 0.00, 4 = 0.34, 5 = 0.34, 6 = 0.34, 7 = 0.34, 8 = 0.25, 9 = 0.34, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.33, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.20, 19 = 0.34, 20 = 0.34, 21 = 0.34 and 22 = 0.34

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS (gable end zone and C-C Exterior(2) zone); Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 2, 19 lb uplift at joint 13, 101 lb uplift at joint 19, 119 lb uplift at joint 20, 71 lb uplift at joint 21, 195 lb uplift at joint 22, 98 lb uplift at joint 17, 125 lb uplift at joint 16, 51 lb uplift at joint 15 and 237 lb uplift at joint 14.
10) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
11) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	HJ01	ROOF TRUSS	1	1	Job Reference (optional)

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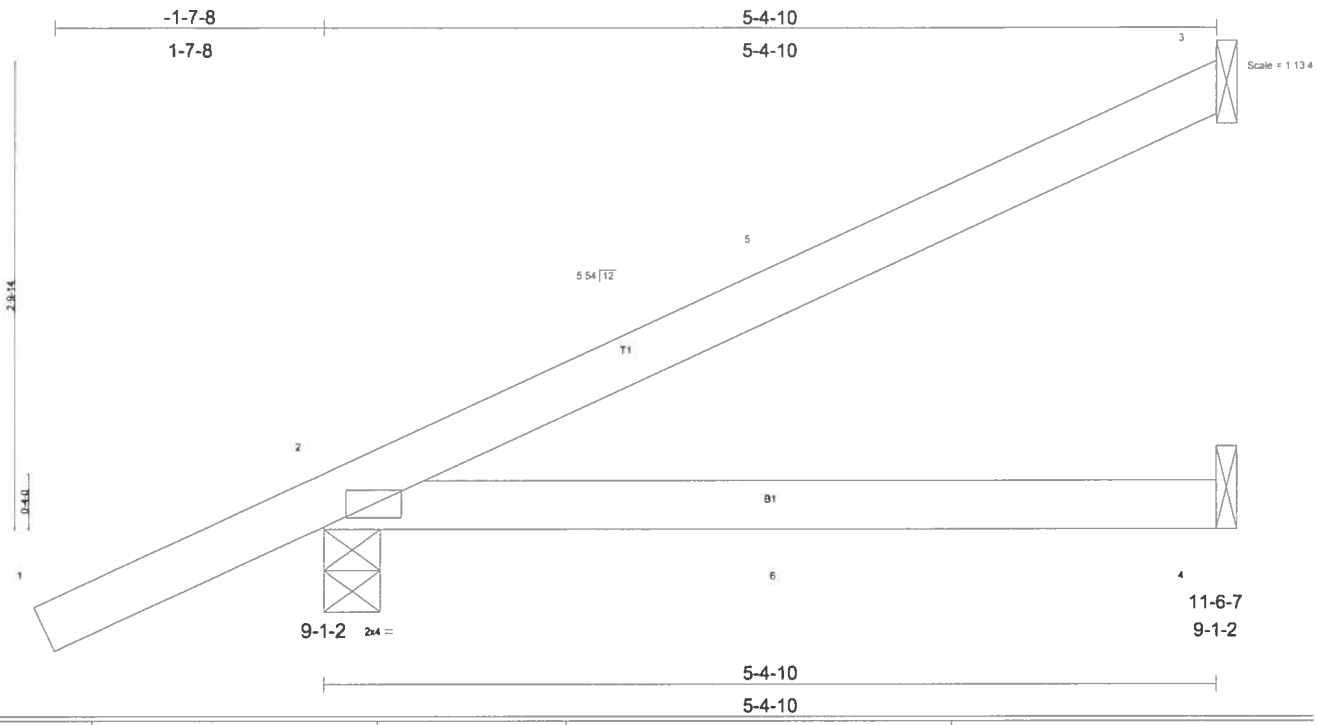

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.23	Vert(LL) 0.06 2-4 >999 240	MT20 244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.23	Vert(TL) -0.07 2-4 >885 180	
BCLL 10.0	*	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00 3 n/a n/a	
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)		Weight: 20 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

REACTIONS (lb/size) 3=92/Mechanical, 2=257/0-4-2, 4=27/Mechanical
Max Horz 2=194(load case 5)
Max Uplift3=-107(load case 5), 2=-288(load case 5), 4=-65(load case 3)
Max Grav3=92(load case 1), 2=257(load case 1), 4=81(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-5=-81/0, 3-5=-53/28
BOT CHORD 2-6=0/0, 4-6=0/0

JOINT STRESS INDEX
2 = 0.25

NOTES (7-8)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zon e; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 3, 288 lb uplift at joint 2 and 65 lb uplift at joint 4.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 18 lb down and 28 lb up at 2-10-5, and 18 lb down and 28 lb up at 2-10-5 on top chord, and 4 lb down and 3 lb up at 2-10-5, and 4 lb down and 3 lb up at 2-10-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 2-4=-10
Concentrated Loads (lb)
Vert: 5=56(F=28, B=28) 6=-3(F=-1, B=-1)

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	HJ65	ROOF TRUSS	2	1	Job Reference (optional)

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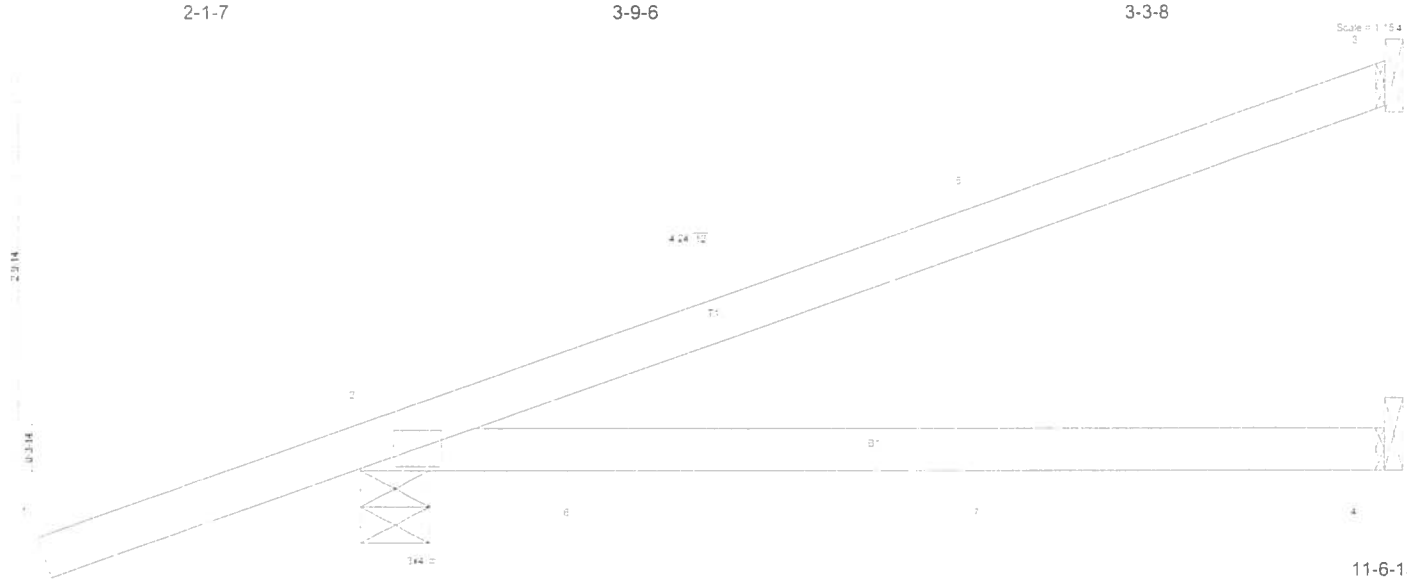
11-6-13

9-1-2

-2-1-7 3-9-6 7-0-14

2-1-7 3-9-6 3-3-8



11-6-13

9-1-2 9-1-2

3-9-6 7-0-14

3-9-6 3-3-8

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/def	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.18	2-4	>457	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.16	2-4	>502	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

REACTIONS (lb/size) 3=145/Mechanical, 2=359/0-5-11, 4=43/Mechanical
Max Horz 2=194(load case 3)
Max Uplift 3=-150(load case 3), 2=-395(load case 3), 4=-90(load case 6)
Max Grav 3=145(load case 1), 2=359(load case 1), 4=101(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-5=-74/0, 3-5=-60/37
BOT CHORD 2-6=-0/0, 6-7=0/0, 4-7=-0/0

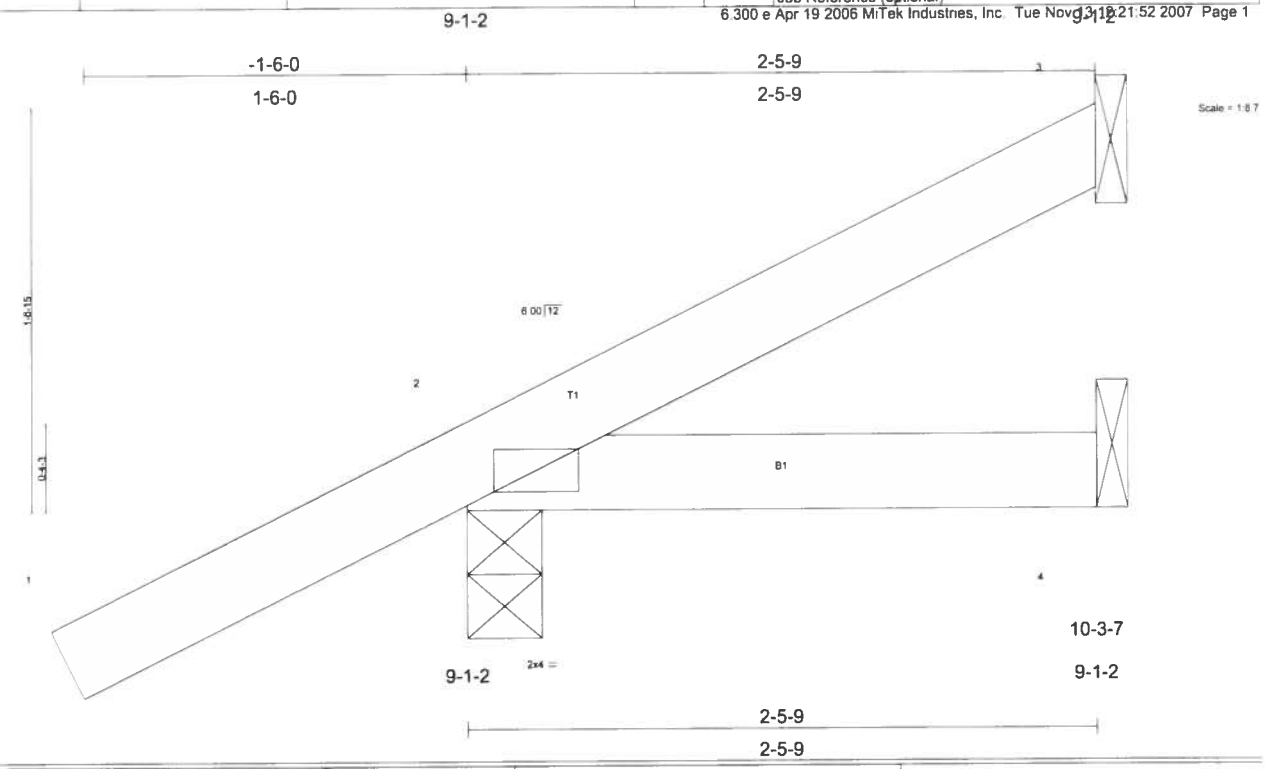
JOINT STRESS INDEX
2 = 0.62

NOTES (7-8)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 3, 395 lb uplift at joint 2 and 90 lb uplift at joint 4.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3 lb down and 28 lb up at 4-4-12, and 3 lb down and 28 lb up at 4-4-12 on top chord, and 12 lb down and 16 lb up at 1-6-12, 12 lb down and 16 lb up at 1-6-12, and 12 lb down and 9 lb up at 4-4-12, and 12 lb down and 9 lb up at 4-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 2-4=-10
Concentrated Loads (lb)
Vert: 5=14(F=7, B=7) 6=10(F=5, B=5) 7=-8(F=-4, B=-4)

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	J01	ROOF TRUSS	2	1	Job Reference (optional)

6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:21:52 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC 0.22		Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL 7.0		Lumber Increase	1.25	BC 0.06		Vert(TL)	-0.00	2-4	>999	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB 0.00		Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 10 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-9 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=26/Mechanical, 2=200/0-3-8, 4=11/Mechanical
Max Horz 2=125(load case 6)
Max Uplift 3=-29(load case 7), 2=-232(load case 6), 4=-27(load case 4)
Max Grav 3=26(load case 1), 2=200(load case 1), 4=34(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-46/7
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.28

NOTES (5-6)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft, TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 3, 232 lb uplift at joint 2 and 27 lb uplift at joint 4.
5) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
6) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

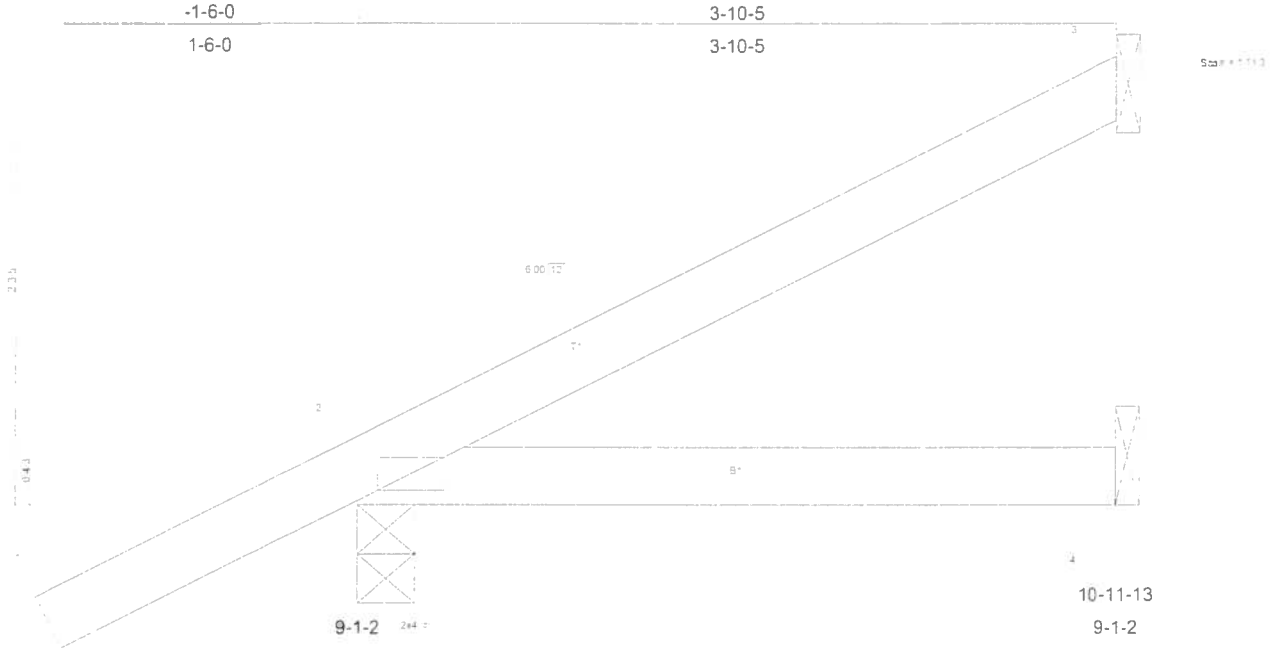
Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	J02	ROOF TRUSS	1	1	10-11-13

Job Reference (optional)

9-1-2 6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:21:53 2007 Page 1 9-1-2

-1-6-0 3-10-5

1-6-0 3-10-5



3-10-5

3-10-5

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	0.03	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-5 oc purlins. (P)
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

REACTIONS (lb/size) 3=77/Mechanical, 2=231/0-3-8, 4=18/Mechanical
Max Horz 2=163(load case 6)
Max Uplift 3=-80(load case 6), 2=-251(load case 6), 4=-44(load case 4)
Max Grav 3=77(load case 1), 2=231(load case 1), 4=55(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-78/27
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.32

NOTES (5-6)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be: SYP No.2.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 3, 251 lb uplift at joint 2 and 44 lb uplift at joint 4.
5) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
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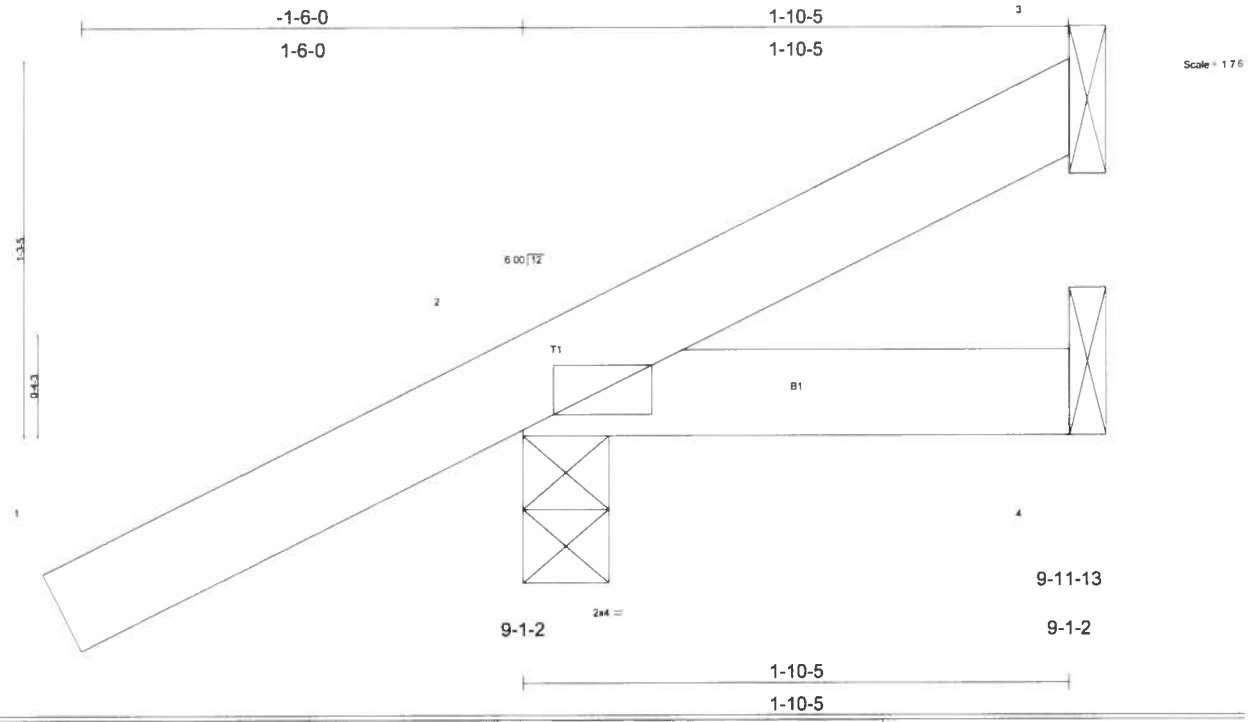
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	J03	ROOF TRUSS	1	1	9-11-13

Job Reference (optional)

9-1-2 6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 22.21.53 2007 Page 1 9-1-2



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1.25	TC 0.20	Vert(LL) -0.00 2 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.04	Vert(TL) -0.00 2 >999 180	
BCLL 10.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a	
BCDL 5 0	Code FBC2004/TPI2002	(Matrix)		Weight: 9 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-10-5 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=182/0-3-8, 4=9/Mechanical, 3=11/Mechanical
Max Horz 2=110(load case 6)
Max Uplift2=-219(load case 6), 4=-22(load case 4), 3=-17(load case 7)
Max Grav2=182(load case 1), 4=27(load case 2), 3=15(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-41/7
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.26

NOTES (5-6)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zo ne and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for member s and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint 2, 22 lb uplift at joint 4 and 17 lb uplift at joint 3.
5) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
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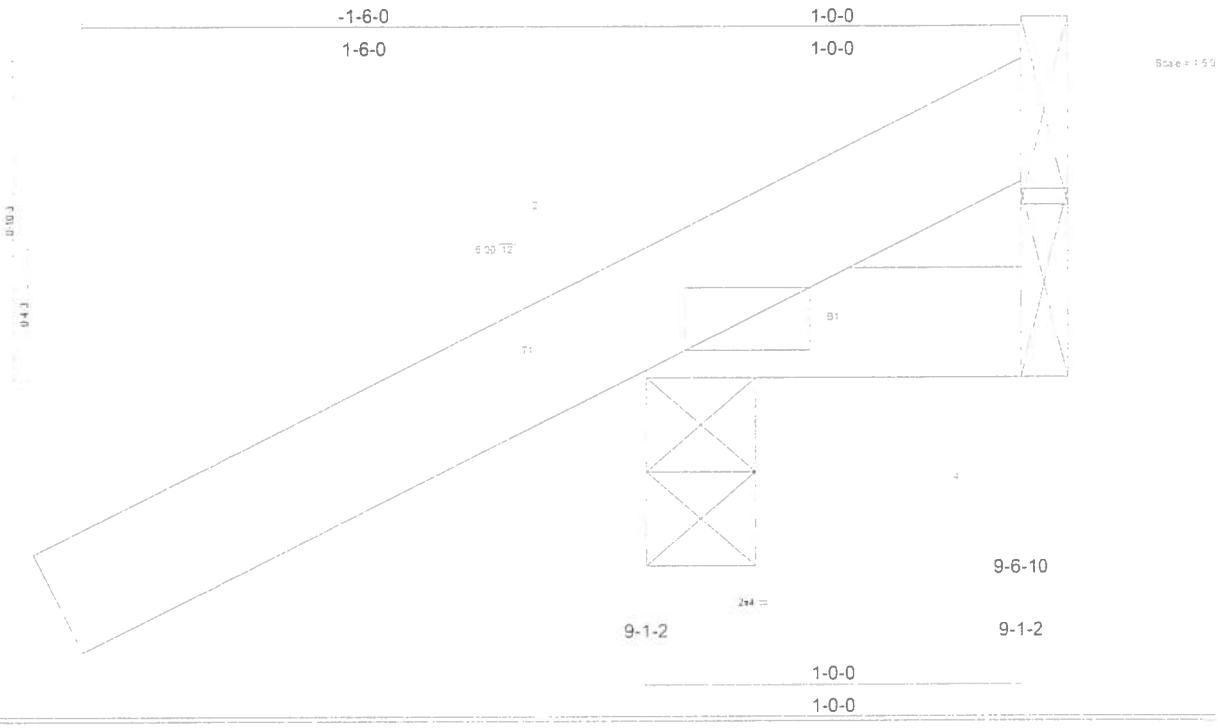
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	J61	ROOF TRUSS	4	1	Job Reference (optional)

9-1-2 6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:21:54 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 6 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

REACTIONS (lb/size) 2=188/0-3-8, 4=5/Mechanical, 3=-46/Mechanical
Max Horz 2=86(load case 6)
Max Uplift 2=-248(load case 6), 4=-11(load case 4), 3=-46(load case 1)
Max Grav 2=188(load case 1), 4=14(load case 2), 3=83(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-47/47
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.28

NOTES (5-6)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS (gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 2, 11 lb uplift at joint 4 and 46 lb uplift at joint 3.
5) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
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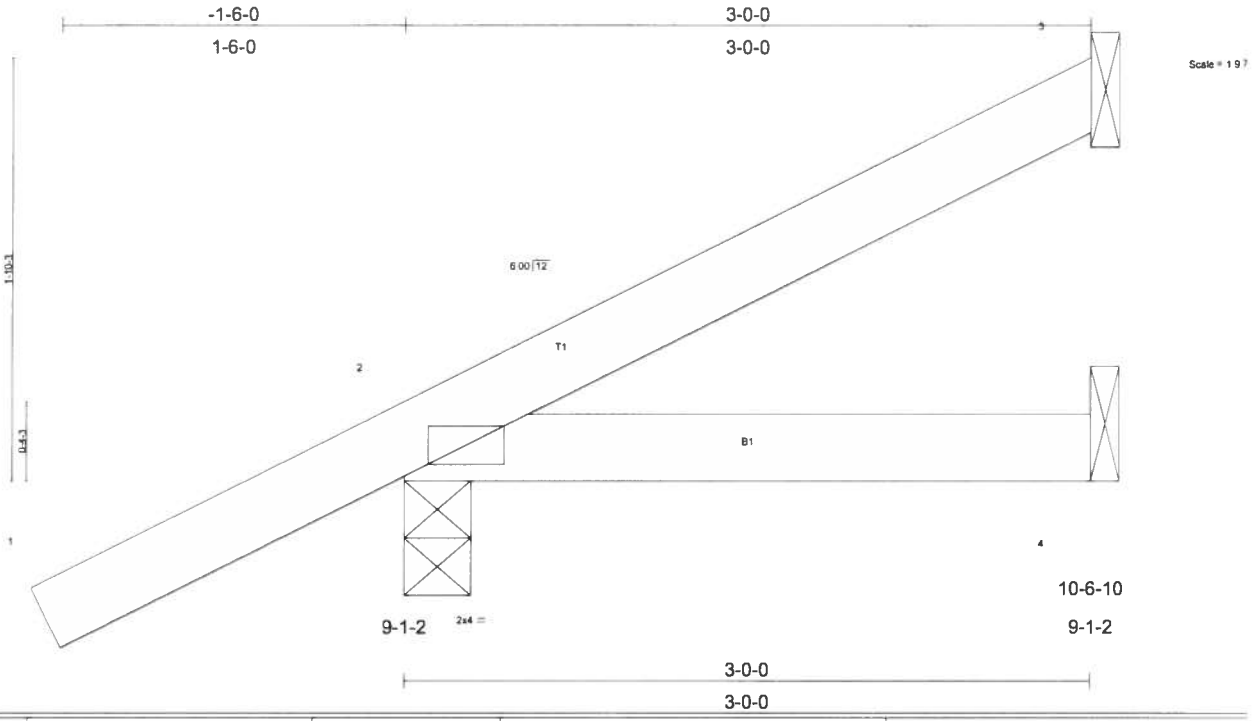
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	J63	ROOF TRUSS	4	1	10-6-10

Job Reference (optional)

6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:21:54 2007 Page 1

9-1-2 9-1-2



LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.22	Vert(LL) 0.01 2-4 >999 240	MT20 244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.10	Vert(TL) -0.01 2-4 >999 180	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a	
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)		Weight: 12 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

REACTIONS (lb/size) 3=47/Mechanical, 2=210/0-3-8, 4=14/Mechanical
Max Horz 2=140(load case 6)
Max Uplift 3=-44(load case 6), 2=-236(load case 6), 4=-33(load case 4)
Max Grav 3=47(load case 1), 2=210(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-50/15
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.29

NOTES (5-6)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zo ne and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for member s and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 3, 236 lb uplift at joint 2 and 33 lb uplift at joint 4.
5) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
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LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	J65	ROOF TRUSS	12	1	Job Reference (optional)

11-6-10

9-1-2

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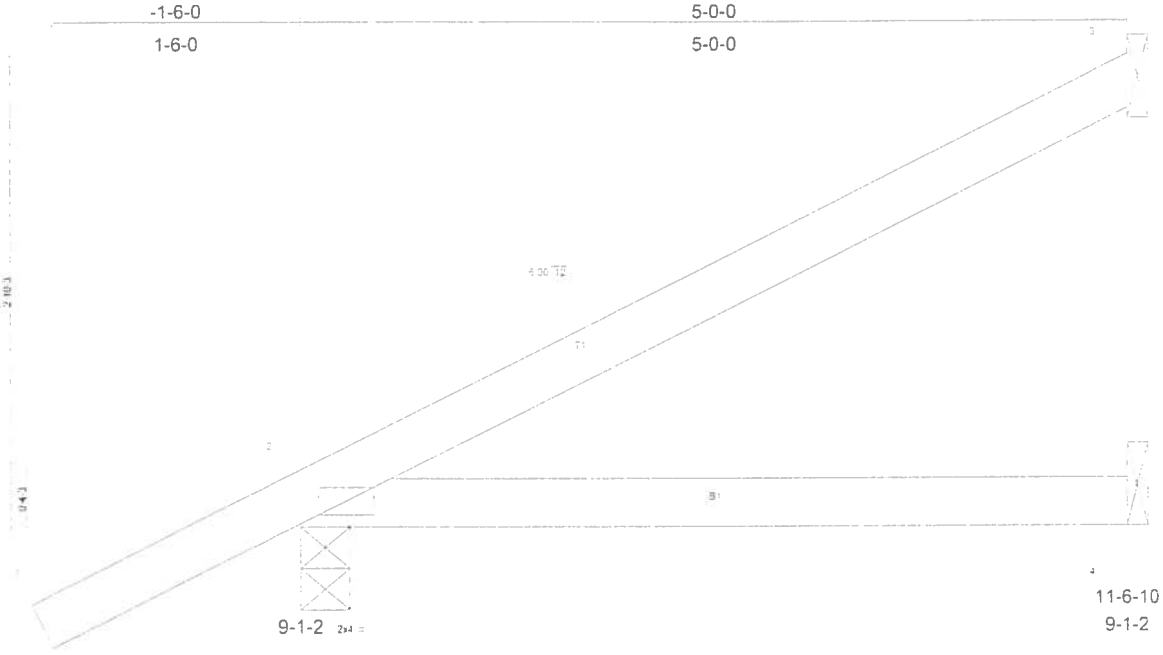
9-1-2

-1-6-0 1-6-0

5-0-0 5-0-0



5-0-0

5-0-0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.10	2-4	>557	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	0.09	2-4	>633	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

REACTIONS (lb/size) 3=113/Mechanical, 2=262/0-3-8, 4=24/Mechanical
Max Horz 2=195(load case 6)
Max Uplift 3=-122(load case 6), 2=-275(load case 6), 4=-57(load case 4)
Max Grav 3=113(load case 1), 2=262(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-111/40
BOT CHORD 2-4=0/0

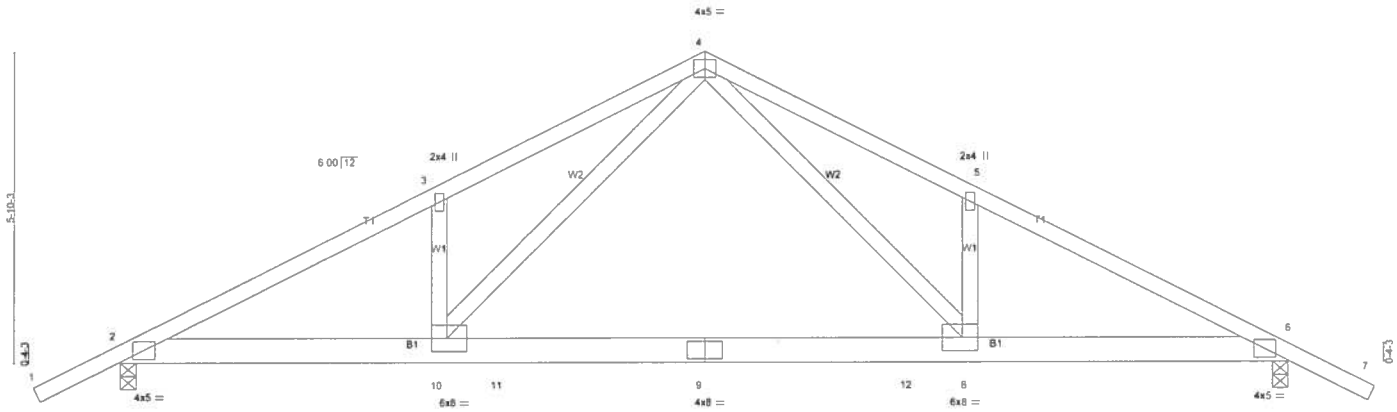
JOINT STRESS INDEX
2 = 0.36

NOTES (5-6)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS (gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces & for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 3, 275 lb uplift at joint 2 and 57 lb uplift at joint 4.
5) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
6) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T01	ROOF TRUSS	9	1	Job Reference (optional)

6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:21:57 2007 Page 1



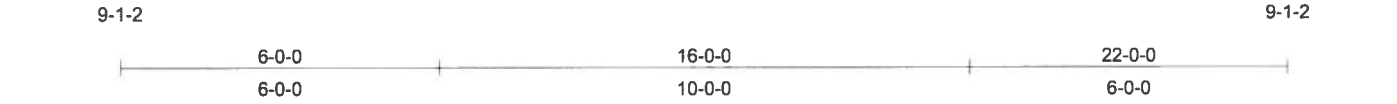


Plate Offsets (X,Y): [8:0-3-8,0-3-0], [10:0-3-8,0-3-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.30	Vert(LL)	-0.19	8-10	>999	240	MT20	244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.42	Vert(TL)	-0.27	8-10	>968	180		
BCLL 0.0	*	Rep Stress Incr YES	WB 0.38	Horz(TL)	0.03	6	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)						Weight: 122 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=941/0-3-8, 6=941/0-3-8
Max Horz 2=113(load case 6)
Max Uplift2=-303(load case 6), 6=-303(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1655/802, 3-4=-1633/981, 4-5=-1633/981, 5-6=-1655/802, 6-7=0/40
BOT CHORD 2-10=-533/1409, 10-11=-252/891, 9-11=-252/891, 9-12=-252/891, 8-12=-252/891, 6-8=-533/1409
WEBS 3-10=-285/358, 4-10=-416/785, 4-8=-416/785, 5-8=-285/358

JOINT STRESS INDEX
2 = 0.83, 3 = 0.34, 4 = 0.80, 5 = 0.34, 6 = 0.83, 8 = 0.45, 9 = 0.57 and 10 = 0.45

NOTES (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specifi ed.
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 1-0-0 tall by 6 -0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SYP No.2
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 2 and 303 lb uplift at joint 6.
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T02	ROOF TRUSS	2	1	Job Reference (optional)

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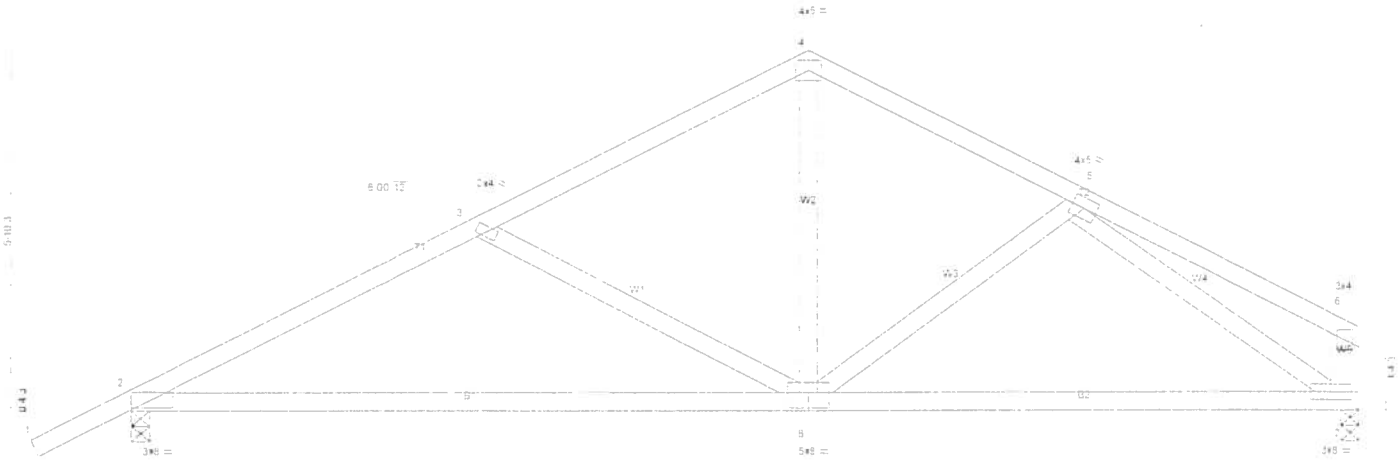
9-1-2

-1-6-0 | 5-9-4 | 11-0-0 | 15-4-4 | 20-0-0

1-6-0 | 5-9-4 | 5-2-12 | 4-4-4 | 4-7-12

Scale = 1:36.4



9-1-2 | 9-1-2

11-0-0 | 20-0-0

11-0-0 | 9-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.26	2-8	>912	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.47	2-8	>498	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 100 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W5: 2 X 6 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-9 oc purlins, except end verticals. [P]
BOT CHORD Rigid ceiling directly applied or 7-10-14 oc bracing.

REACTIONS (lb/size) 2=724/0-3-8, 7=624/0-3-8
Max Horz 2=150(load case 6)
Max Uplift 2=-287(load case 6), 7=-181(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-1032/748, 3-4=-718/550, 4-5=-699/557, 5-6=-205/170, 6-7=-191/188
BOT CHORD 2-8=-634/876, 7-8=-443/647
WEBS 3-8=-348/380, 4-8=-219/373, 5-8=-142/180, 5-7=-647/461

JOINT STRESS INDEX
2 = 0.96, 3 = 0.34, 4 = 0.83, 5 = 0.36, 6 = 0.66, 7 = 0.46 and 8 = 0.74

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 2 and 181 lb uplift at joint 7.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T03	ROOF TRUSS	1	1	Job Reference (optional)

9-1-2 6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:21:58 2007 Page 1

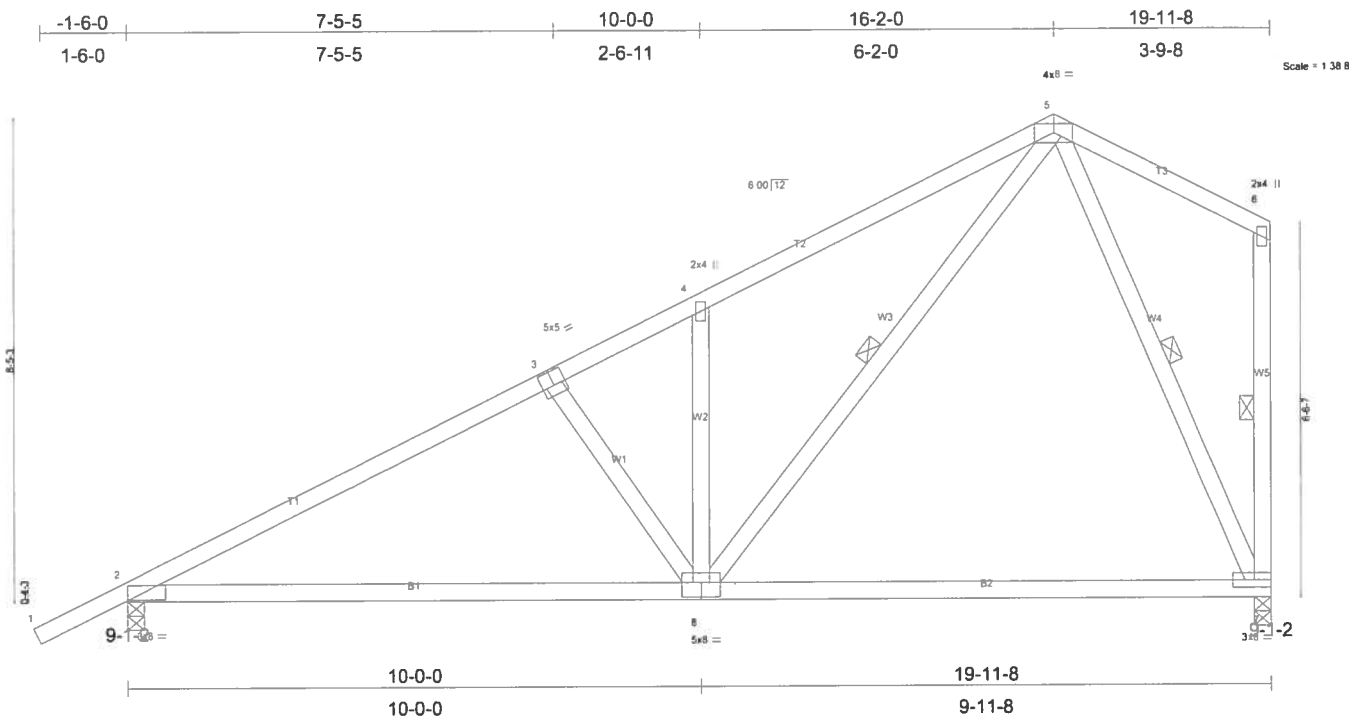


Plate Offsets (X,Y): [2:0-4-12,0-1-8], [3:0-2-8,0-3-0], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase 1.25	TC 0.50	Vert(LL)	-0.16	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase 1.25	BC 0.49	Vert(TL)	-0.32	2-8	>728	180		
BCLL	10.0 *	Rep Stress Incr YES	WB 0.28	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 115 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-6 oc purlins, except end verticals. [P]
BOT CHORD Rigid ceiling directly applied or 7-1-5 oc bracing.
WEBS 1 Row at midpt 5-8, 6-7, 5-7

REACTIONS (lb/size) 2=726/0-3-8, 7=625/0-3-8
Max Horz 2=311(load case 6)
Max Uplift 2=-275(load case 6), 7=-231(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-993/546, 3-4=-775/510, 4-5=-795/645, 5-6=-56/49, 6-7=-98/65
BOT CHORD 2-8=-739/807, 7-8=-207/243
WEBS 3-8=-277/322, 4-8=-195/249, 5-8=-574/679, 5-7=-568/516

JOINT STRESS INDEX
2 = 0.67, 3 = 0.87, 4 = 0.34, 5 = 0.63, 6 = 0.46, 7 = 0.43 and 8 = 0.77

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specifi ed.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 2 and 231 lb uplift at joint 7.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

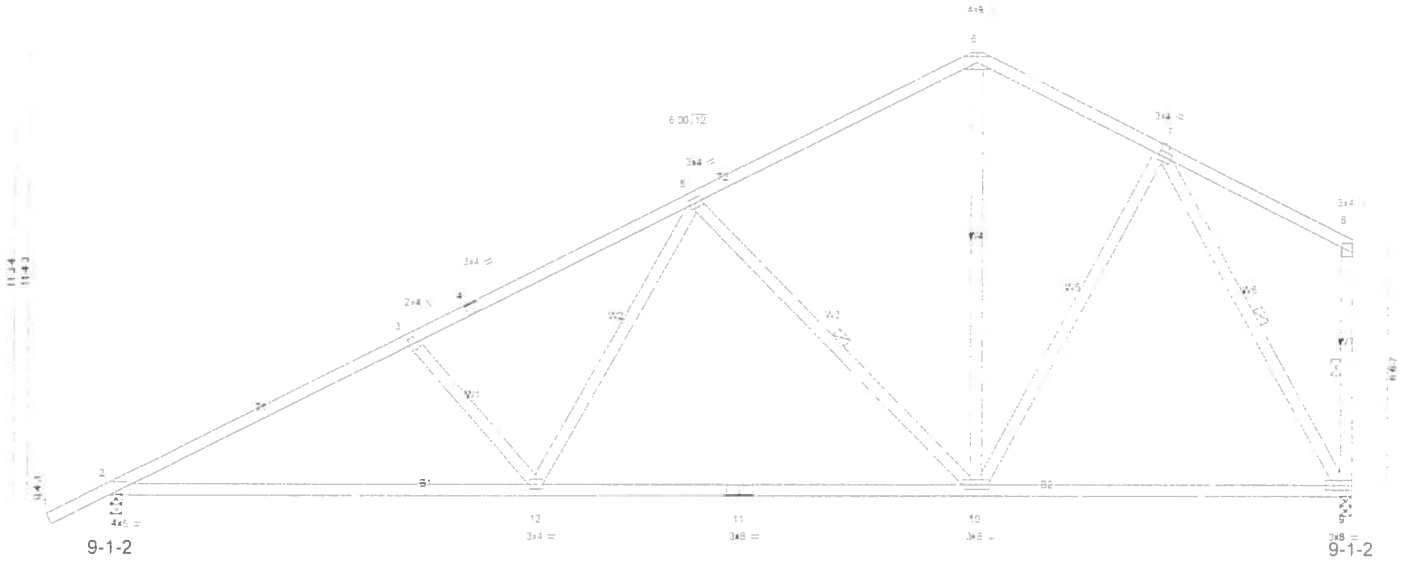
Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T04	ROOF TRUSS	4	1	Job Reference (optional)

9-1-2 6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:21:59 2007 Page 1

-1-6-0 7-8-5 14-10-3 22-0-0 26-8-0 31-7-8

1-6-0 7-8-5 7-1-13 7-1-13 4-8-0 4-11-8

Scale = 1:56.5



10-9-11 22-0-0 31-7-8

10-9-11 11-2-5 9-7-8

LOADING (psf)		SPACING 2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.24	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.47	2-12	>797	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 190 lb	

LUMBER
TOP CHORD 2 X 4 SYP No 2
BOT CHORD 2 X 4 SYP No 2
WEBS 2 X 4 SYP No 3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-10 oc purlins, except end verticals [P]
BOT CHORD Rigid ceiling directly applied or 5-4-2 oc bracing
WEBS 1 Row at midpt 5-10, 8-9, 7-9

REACTIONS (lb/size) 2=1098/0-3-8, 9=1000/0-3-8
Max Horz 2=352(load case 6)
Max Uplift 2=-402(load case 6), 9=-299(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-1800/1188, 3-4=-1533/1090, 4-5=-1375/1114, 5-6=-786/682, 6-7=-744/703, 7-8=-78/94, 8-9=-135/153
BOT CHORD 2-12=-1311/1527, 11-12=-869/1070, 10-11=-869/1070, 9-10=-351/469
WEBS 3-12=-368/449, 5-12=-324/498, 5-10=-651/657, 6-10=-289/349, 7-10=-132/362, 7-9=-936/714

JOINT STRESS INDEX
2 = 0.75, 3 = 0.34, 4 = 0.36, 5 = 0.59, 6 = 0.53, 7 = 0.49, 8 = 0.36, 9 = 0.39, 10 = 0.61, 11 = 0.57 and 12 = 0.48

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 402 lb uplift at joint 2 and 299 lb uplift at joint 9.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, FL 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T05	ROOF TRUSS	1	1	Job Reference (optional)

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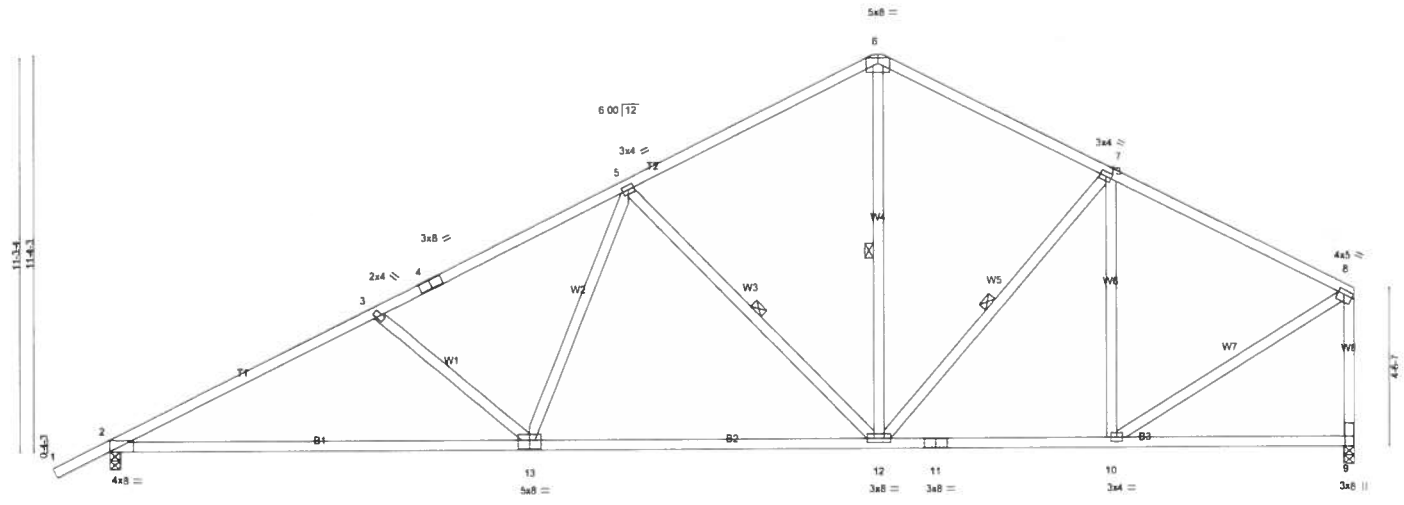
9-1-2

-1-6-0	7-8-5	14-10-3	22-0-0	28-8-0	35-7-8
1-6-0	7-8-5	7-1-13	7-1-13	6-8-0	6-11-8

Scale 3/16"=1'



9-1-2

12-0-0	22-0-0	28-8-0	35-7-8
12-0-0	10-0-0	6-8-0	6-11-8

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.87	Vert(LL)	-0.39	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.75	2-13	>565	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.07	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 209 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-7 oc purlins, except end verticals. [P]
BOT CHORD Rigid ceiling directly applied or 5-1-4 oc bracing.
WEBS 1 Row at midpt 5-12, 6-12, 7-12

REACTIONS (lb/size) 2=1225/0-3-8, 9=1128/0-3-8
Max Horz 2=304(load case 6)
Max Uplift2=-445(load case 6), 9=-311(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-2068/1444, 3-4=-1736/1269, 4-5=-1645/1293, 5-6=-1066/939, 6-7=-1059/945, 7-8=-1012/767, 8-9=-1089/838
BOT CHORD 2-13=-1418/1767, 12-13=-970/1325, 11-12=-577/836, 10-11=-577/836, 9-10=-45/48
WEBS 3-13=-391/470, 5-13=-260/479, 5-12=-664/640, 6-12=-474/504, 7-12=-95/181, 7-10=-439/386, 8-10=-630/932

JOINT STRESS INDEX
2 = 0.73, 3 = 0.34, 4 = 0.42, 5 = 0.59, 6 = 0.63, 7 = 0.59, 8 = 0.95, 9 = 0.34, 10 = 0.75, 11 = 0.28, 12 = 0.57 and 13 = 0.97

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specifi ed.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 445 lb uplift at joint 2 and 311 lb uplift at joint 9.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

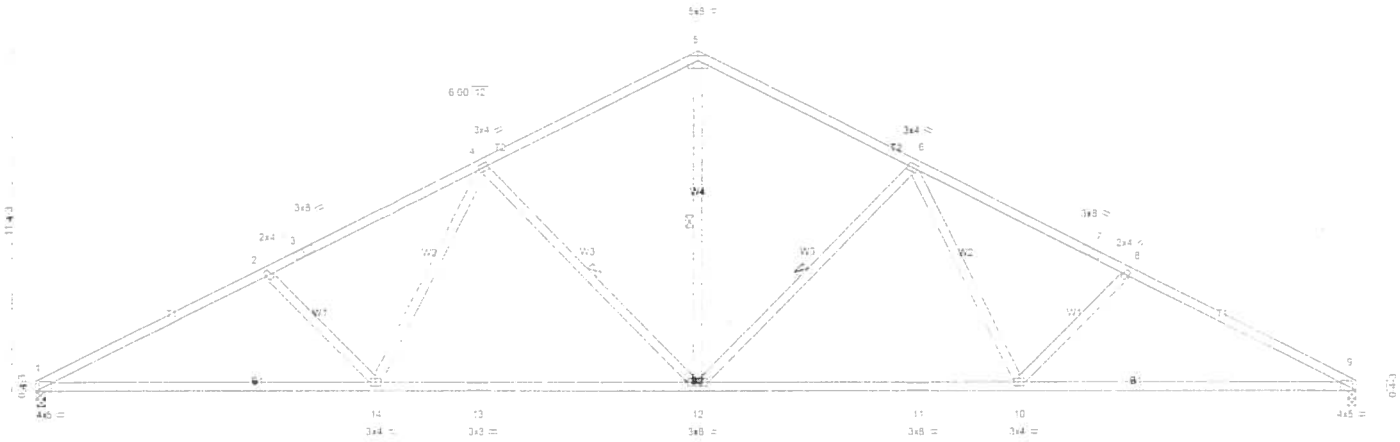
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T06	ROOF TRUSS	1	1	Job Reference (optional)

9-1-2 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:22:02 2007 Page 1 — 9-1-2

7-8-5	14-10-3	22-0-0	29-1-13	36-3-11	44-0-0
7-8-5	7-1-13	7-1-13	7-1-13	7-1-13	7-8-5

Scale = 1:74.5



9-1-2 — 9-1-2

11-3-4	22-0-0	32-8-12	44-0-0
11-3-4	10-8-12	10-8-12	11-3-4

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	0.34	1-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.66	1-14	>790	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.15	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 224 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins [P]
BOT CHORD Rigid ceiling directly applied or 4-6-12 oc bracing
WEBS 1 Row at midpt 4-12, 5-12, 6-12

REACTIONS (lb/size) 1=1399/0-3-8, 9=1399/0-3-8
Max Horz 1=-168(load case 4)
Max Uplift 1=-424(load case 6), 9=-424(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2657/1931, 2-3=-2381/1797, 3-4=-2289/1821, 4-5=-1665/1405, 5-6=-1665/1405, 6-7=-2289/1821, 7-8=-2381/1797, 8-9=-2657/1931
BOT CHORD 1-14=-1596/2309, 13-14=-1134/1855, 12-13=-1134/1855, 11-12=-1134/1855, 10-11=-1134/1855, 9-10=-1596/2309
WEBS 2-14=-379/468, 4-14=-318/483, 4-12=-657/648, 5-12=-866/1018, 6-12=-657/648, 6-10=-318/483, 8-10=-379/468

JOINT STRESS INDEX
1 = 1.00, 2 = 0.34, 3 = 0.71, 4 = 0.59, 5 = 0.71, 6 = 0.59, 7 = 0.71, 8 = 0.34, 9 = 1.00, 10 = 0.48, 11 = 0.63, 12 = 0.57, 13 = 0.63 and 14 = 0.48

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust), h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 424 lb uplift at joint 1 and 424 lb uplift at joint 9.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T07	ROOF TRUSS	2	1	Job Reference (optional)

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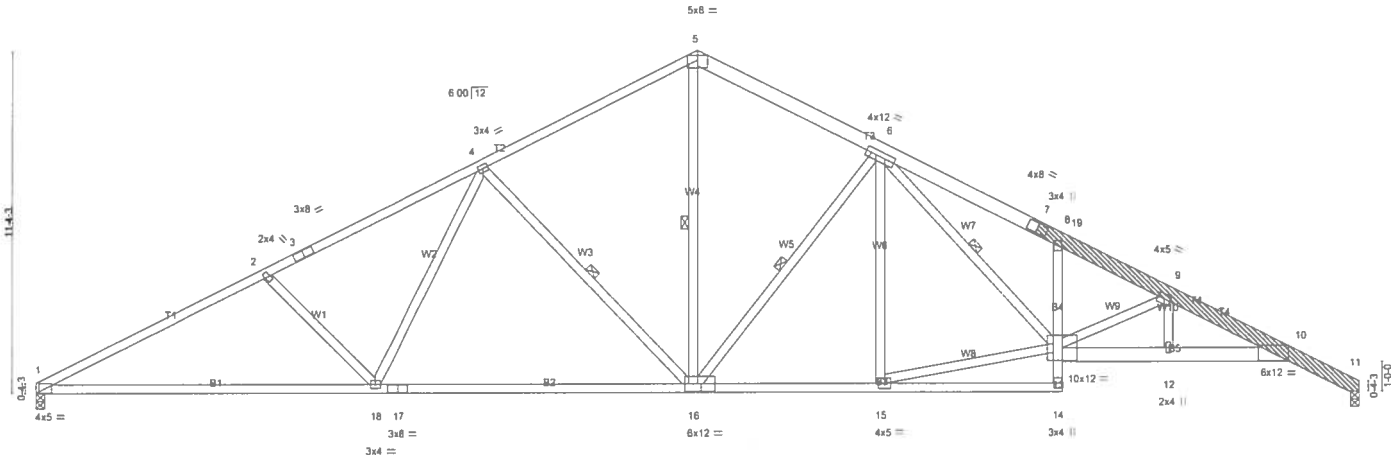
7-8-5	14-10-3	22-0-0	28-0-12	34-1-8	37-8-0	41-2-8	44-0-0
7-8-5	7-1-13	7-1-13	6-0-12	6-0-12	3-6-8	3-6-8	2-9-8

Scale = 1:74.0



9-1-2 9-1-2

11-3-4	22-0-0	28-0-12	34-1-8	37-8-0	41-2-8	44-0-0
11-3-4	10-8-12	6-0-12	6-0-12	3-6-8	3-6-8	2-9-8

Plate Offsets (X,Y): [1:0-1-4,0-0-2], [10:0-11-11,0-0-0], [16:0-5-8,0-3-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.59	Vert(LL) 0.47 14 >999 240	MT20 244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.80	Vert(TL) -0.68 1-18 >774 180	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.59	Horz(TL) 0.33 11 n/a n/a	
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)		Weight: 302 lb

LUMBER
TOP CHORD 2 X 6 SYP DSS *Except*
T2 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B4 2 X 4 SYP No.3, B5 2 X 6 SYP DSS
WEBS 2 X 4 SYP No.3
LBR SCAB 7-11 2 X 6 SYP DSS one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 4-6-12 oc bracing.
WEBS 1 Row at midpt 4-16, 5-16, 6-16, 6-13

REACTIONS (lb/size) 1=1399/0-3-8, 11=1401/0-3-8
Max Horz 1=168(load case 5)
Max Uplift1=-424(load case 6), 11=-422(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2657/1930, 2-3=-2382/1796, 3-4=-2290/1821, 4-5=-1672/1414, 5-6=-1650/1416, 6-7=-3021/2424, 7-8=-3066/2405, 8-19=-3016/2289, 9-19=-3105/2288, 9-10=-4112/2929, 10-11=-598/450
BOT CHORD 1-18=-1597/2309, 17-18=-1136/1855, 16-17=-1136/1855, 15-16=-1070/1804, 14-15=-160/289, 13-14=0/98, 8-13=-173/266, 12-13=-2628/3832, 10-12=-2628/3832
WEBS 2-18=-382/468, 4-18=-316/489, 4-16=-640/638, 5-16=-898/1046, 6-16=-666/620, 6-15=-236/204, 13-15=-925/1540, 6-13=-1082/1371, 9-13=-1274/962, 9-12=-249/427

JOINT STRESS INDEX
1 = 1.00, 2 = 0.34, 3 = 0.71, 4 = 0.59, 5 = 0.62, 6 = 0.62, 7 = 0.62, 7 = 0.00, 8 = 0.23, 8 = 0.00, 9 = 0.36, 9 = 0.00, 10 = 0.94, 10 = 0.00, 11 = 0.00, 11 = 0.00, 12 = 0.34, 13 = 0.66, 14 = 0.76, 15 = 0.79, 16 = 0.59, 17 = 0.91 and 18 = 0.48

NOTES (8-9)
1) Attached 12-0-0 scab 7 to 11, front face(s) 2 X 6 SYP DSS with 2 row(s) of 10d (0.148"x3") nails spaced 9" o.c.except : starting at 8-3-15 from end at joint 7, nail 2 row(s) at 3 o.c. for 2-0-0.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2
6) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 424 lb uplift at joint 1 and 422 lb uplift at joint 11.
8) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
9) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T08	ROOF TRUSS	2	1	Job Reference (optional)

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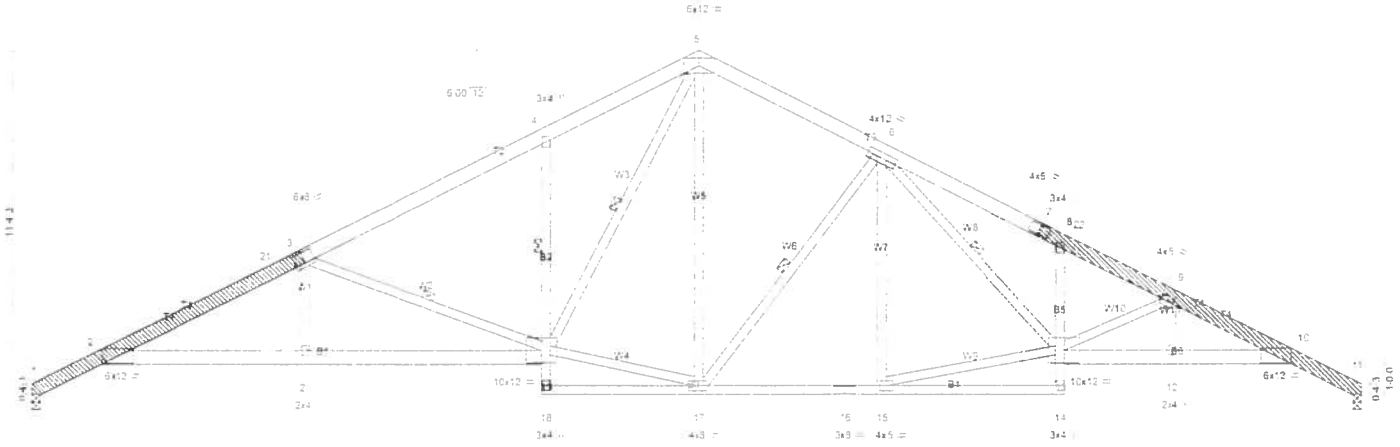
2-9-8	9-0-2	16-10-0	22-0-0	28-0-12	34-1-8	37-8-0	41-2-8	44-0-0
2-9-8	6-2-10	7-9-14	5-2-0	6-0-12	6-0-12	3-6-8	3-6-8	2-9-8

Scale = 1:73.8



9-1-2 — 9-1-2

2-9-8	9-0-2	16-10-0	22-0-0	28-0-12	34-1-8	37-8-0	41-2-8	44-0-0
2-9-8	6-2-10	7-9-14	5-2-0	6-0-12	6-0-12	3-6-8	3-6-8	2-9-8

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

LOADING (psf)		SPACING 2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	0.57	2-20	>915	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.72	2-20	>728	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.54	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 372 lb	

LUMBER
TOP CHORD 2 X 6 SYP DSS
BOT CHORD 2 X 6 SYP DSS *Except*
B2: 2 X 4 SYP No.3, B3: 2 X 4 SYP No.2, B5: 2 X 4 SYP No.3, B4: 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
LBR SCAB 1-3: 2 X 6 SYP DSS one side,
7-11: 2 X 6 SYP DSS one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 4-9-9 oc bracing. Except:
1 Row at midpt 4-19
WEBS 1 Row at midpt: 3-19, 5-19, 6-17, 6-13

REACTIONS (lb/size) 1=1401/0-3-8, 11=1401/0-3-8
Max Horz 1=167(load case 5)
Max Uplift 1=-423(load case 6), 11=-423(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-598/450, 2-21=-3464/2440, 3-21=-3320/2463, 3-4=-2324/1744, 4-5=-2250/1934, 5-6=-1656/1427, 6-7=-3018/2417, 7-8=-3060/2397, 8-22=-3015/2287, 9-22=-3104/2286, 9-10=-4113/2929, 10-11=-598/450
BOT CHORD 2-20=-2128/3162, 19-20=-2132/3171, 18-19=0/71, 4-19=-320/397, 17-18=-114/162, 16-17=-1073/1809, 15-16=-1073/1809, 14-15=-164/285, 13-14=0/91, 8-13=-175/255, 12-13=-2629/3833, 10-12=-2629/3833
WEBS 3-20=-119/397, 3-19=-1294/1068, 17-19=-594/1282, 5-19=-977/1212, 5-17=-333/385, 6-17=-657/623, 6-15=-230/212, 13-15=-924/1549, 6-13=-1072/1360, 9-13=-1278/967, 9-12=-248/426

JOINT STRESS INDEX
1 = 0.00, 1 = 0.00, 2 = 0.95, 2 = 0.00, 3 = 0.71, 3 = 0.00, 4 = 0.27, 5 = 0.82, 6 = 0.62, 7 = 0.62, 7 = 0.00, 8 = 0.23, 8 = 0.00, 9 = 0.36, 9 = 0.00, 10 = 0.94, 10 = 0.00, 11 = 0.00, 11 = 0.00, 12 = 0.34, 13 = 0.66, 14 = 0.68, 15 = 0.80, 16 = 0.61, 17 = 0.91, 18 = 0.41, 19 = 0.49 and 20 = 0.34

NOTES (9-10)
1) Attached 10-0-0 scab 1 to 3, front face(s) 2 X 6 SYP DSS with 2 row(s) of 10d (0.148"x3") nails spaced 9" o.c. except: start ing at 1-7-9 from end at joint 1, nail 2 row(s) at 3 o.c. for 2-0-0; starting at 40-9-7 from end at joint 1, nail 2 row(s) at 3 o.c. for 2-0-0.
2) Attached 12-0-0 scab 7 to 11, front face(s) 2 X 6 SYP DSS with 2 row(s) of 10d (0.148"x3") nails spaced 9" o.c. except: star ting at 30-3-7 from end at joint 7, nail 2 row(s) at 3 o.c. for 2-0-0; starting at 8-3-15 from end at joint 7, nail 2 row(s) at 3 o.c. for 2-0-0.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specifi ed.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All bearings are assumed to be SYP No.2.
7) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer shou ld verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 1 and 423 lb uplift at joint 11.
9) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, FL. 32224 - 904.821.5200
10) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T09	ROOF TRUSS	1	1	Job Reference (optional)

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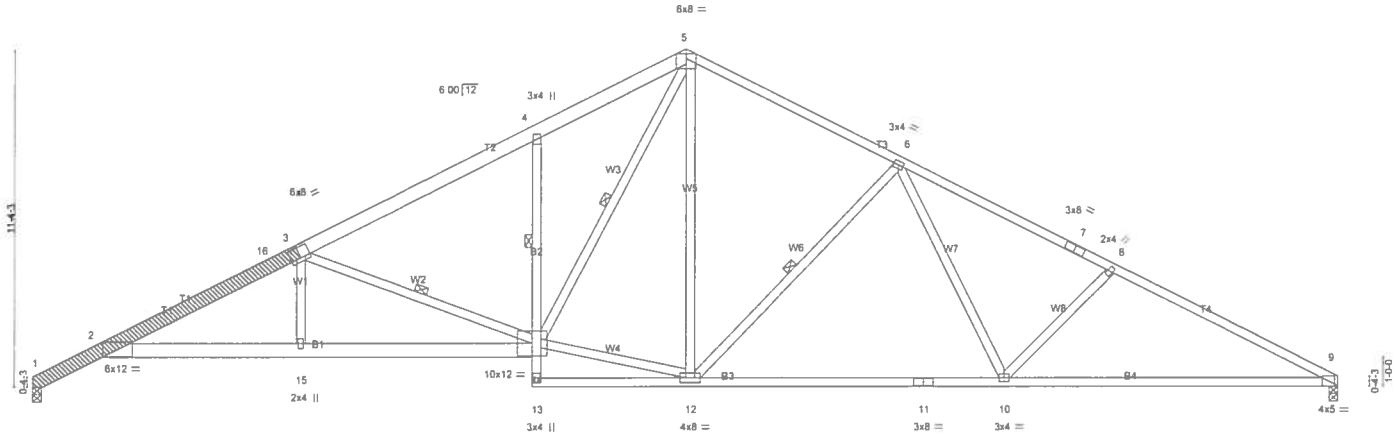
2-9-8	9-0-2	16-10-0	22-0-0	29-1-13	36-3-11	44-0-0
2-9-8	6-2-10	7-9-14	5-2-0	7-1-13	7-1-13	7-8-5

Scale = 1:75.0



9-1-2 9-1-2

2-9-8	9-0-2	16-10-0	22-0-0	32-8-12	44-0-0
2-9-8	6-2-10	7-9-14	5-2-0	10-8-12	11-3-4

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	0.54	2-15	>968	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.68	2-15	>771	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.36	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 294 lb	

LUMBER
TOP CHORD 2 X 6 SYP DSS *Except*
T3 2 X 4 SYP No.2, T4 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 6 SYP DSS, B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
LBR SCAB 1-3 2 X 6 SYP DSS one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 4-6-12 oc bracing. Except:
1 Row at midpt 4-14
WEBS 1 Row at midpt 3-14, 5-14, 6-12

REACTIONS (lb/size) 1=1401/0-3-8, 9=1399/0-3-8
Max Horz 1=-168(load case 4)
Max Uplift1=-423(load case 6), 9=-424(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-598/451, 2-16=-3464/2441, 3-16=-3321/2464, 3-4=-2323/1742, 4-5=-2251/1931, 5-6=-1672/1414, 6-7=-2291/1821, 7-8=-2 382/1796, 8-9=-2657/1930
BOT CHORD 2-15=-2128/3162, 14-15=-2132/3172, 13-14=0/44, 4-14=-340/392, 12-13=-130/154, 11-12=-1135/1855, 10-11=-1135/1855, 9-10 =-1596/2309
WEBS 3-15=-119/396, 3-14=-1297/1071, 12-14=-575/1293, 5-14=-974/1202, 5-12=-285/354, 6-12=-640/640, 6-10=-316/489, 8-10=-382/467

JOINT STRESS INDEX
1 = 0.00, 1 = 0.00, 2 = 0.95, 2 = 0.00, 3 = 0.71, 3 = 0.00, 4 = 0.28, 5 = 0.92, 6 = 0.59, 7 = 0.71, 8 = 0.34, 9 = 1.00, 10 = 0. 48, 11 = 0.62, 12 = 0.91, 13 = 0.27, 14 = 0.49 and 15 = 0.34

NOTES (8-9)
1) Attached 10-0-0 scab 1 to 3, front face(s) 2 X 6 SYP DSS with 2 row(s) of 10d (0.148"x3") nails spaced 9" o.c.except : start ing at 1-7-9 from end at joint 1, nail 2 row(s) at 3 o.c. for 2-0-0.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specifi ed.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2
6) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should v erify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 1 and 424 lb uplift at joint 9.
8) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
9) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T10	ROOF TRUSS	1	1	Job Reference (optional)

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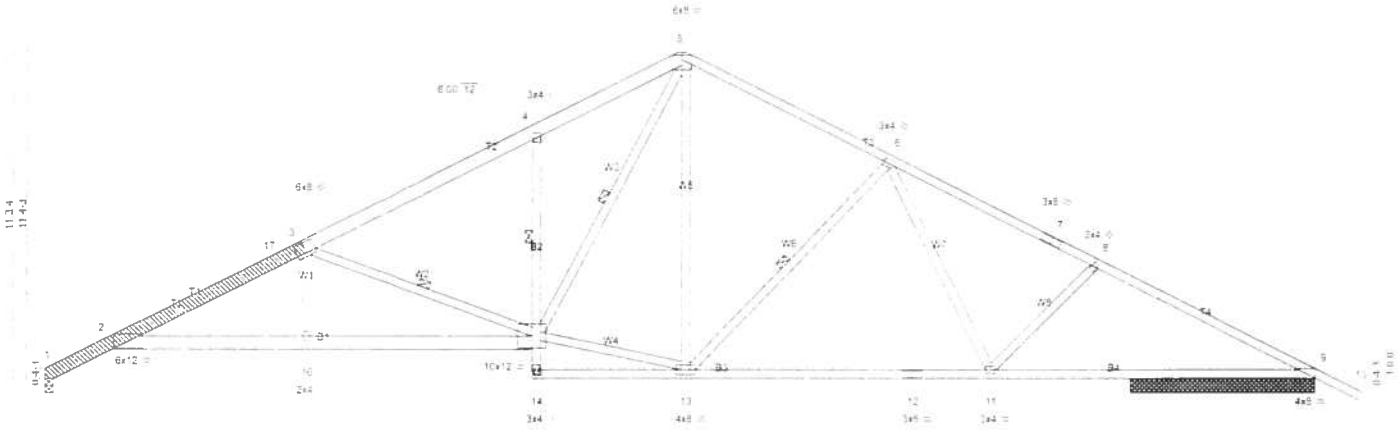
2-9-8	9-0-2	16-10-0	22-0-0	29-1-13	36-3-11	44-0-0	45-6-0
2-9-8	6-2-10	7-9-14	5-2-0	7-1-13	7-1-13	7-8-5	1-6-0

Scale = 1:77.3



9-1-2 — 9-1-2

2-9-8	9-0-2	16-10-0	22-0-0	32-8-12	44-0-0
2-9-8	6-2-10	7-9-14	5-2-0	10-8-12	11-3-4

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.53	2-16	>992	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.71	9-11	>746	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.37	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 296 lb	

LUMBER
TOP CHORD 2 X 6 SYP DSS *Except*
T3 2 X 4 SYP No.2, T4 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 6 SYP DSS, B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
LBR SCAB 1-3 2 X 6 SYP DSS one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins [P]
BOT CHORD Rigid ceiling directly applied or 4-11-5 oc bracing. Except:
1 Row at midpt 4-15
WEBS 1 Row at midpt 3-15, 5-15, 6-13

REACTIONS (lb/size) 1=1404/0-3-8, 9=1489/6-4-15
Max Horz 1=-200(load case 7)
Max Uplift1=-423(load case 6), 9=-509(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-600/516, 2-17=-3474/2416, 3-17=-3330/2439, 3-4=-2331/1732, 4-5=-2259/1921, 5-6=-1679/1415, 6-7=-2310/1818, 7-8=-2401/1793, 8-9=-2702/1930, 9-10=0/36
BOT CHORD 2-16=-2031/3171, 15-16=-2034/3181, 14-15=0/44, 4-15=-340/394, 13-14=-121/154, 12-13=-1064/1867, 11-12=-1064/1867, 9-11=-1525/2339
WEBS 3-16=-113/397, 3-15=-1298/1053, 13-15=-512/1300, 5-15=-953/1204, 5-13=-302/358, 6-13=-646/640, 6-11=-310/502, 8-11=-396/472

JOINT STRESS INDEX
1 = 0.00, 1 = 0.00, 2 = 0.96, 2 = 0.00, 3 = 0.70, 3 = 0.00, 4 = 0.28, 5 = 0.92, 6 = 0.59, 7 = 0.60, 8 = 0.34, 9 = 0.67, 11 = 0.48, 12 = 0.61, 13 = 0.91, 14 = 0.26, 15 = 0.49 and 16 = 0.34

NOTES (8-9)
1) Attached 10-0-0 scab 1 to 3, front face(s) 2 X 6 SYP DSS with 2 row(s) of 10d (0.148"x3") nails spaced 9" o.c. except start ing at 1-7-9 from end at joint 1, nail 2 row(s) at 3 o.c. for 2-0-0.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 120mph (3-second gust), h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specifi ed.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2.
6) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should v erify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 1 and 509 lb uplift at joint 9.
8) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
9) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T11	ROOF TRUSS	1	1	Job Reference (optional)

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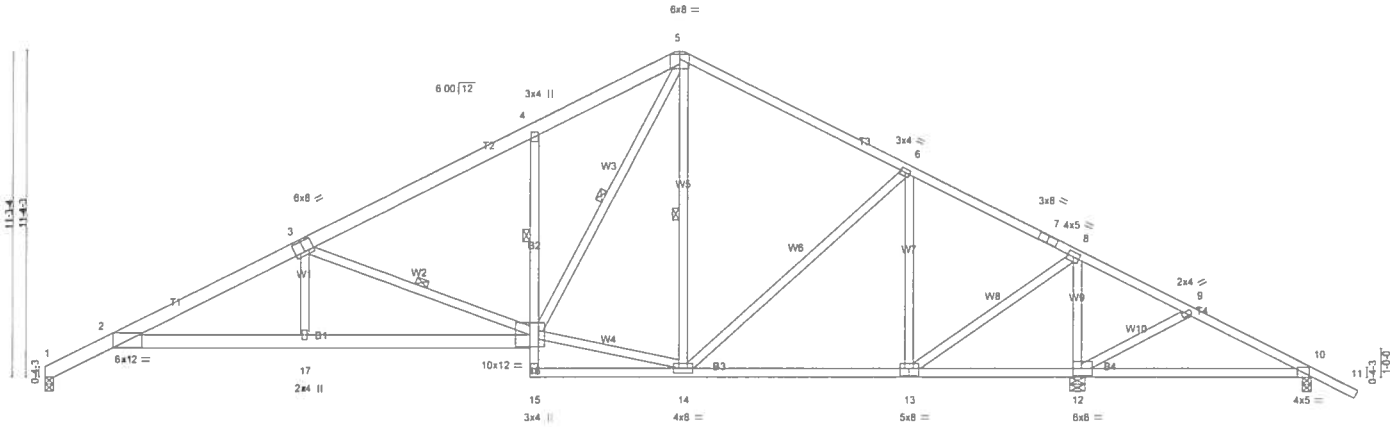
9-1-2 | 9-1-2

2-9-8	9-0-2	16-10-0	22-0-0	30-0-0	35-10-4	39-7-14	44-0-0	45-6-0
2-9-8	6-2-10	7-9-14	5-2-0	8-0-0	5-10-4	3-9-10	4-4-2	1-6-0

Scale = 1:77.3



9-1-2 | 9-1-2 | 9-1-2

2-9-8	9-0-2	16-10-0	22-0-0	30-0-0	35-10-4	44-0-0
2-9-8	6-2-10	7-9-14	5-2-0	8-0-0	5-10-4	8-1-12

Plate Offsets (X,Y): [2:0-11-11,0-0-0], [3:0-4-0,0-4-8], [12:0-3-8,0-3-0], [13:0-3-12,0-3-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.84	Vert(LL)	0.50	2-17	>865	240	MT20	244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.61	Vert(TL)	-0.65	2-17	>663	180		
BCLL 10.0	*	Rep Stress Incr YES	WB 0.99	Horz(TL)	0.28	12	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)						Weight: 286 lb	

LUMBER
TOP CHORD 2 X 6 SYP DSS *Except*
T3 2 X 4 SYP No.2, T4 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 6 SYP DSS, B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 5-6-14 oc bracing. Except:
1 Row at midpt 4-16
WEBS 1 Row at midpt 3-16, 5-16, 5-14

REACTIONS (lb/size) 12=2192/0-6-7, 1=998/0-3-8, 10=-298/0-3-8
Max Horz 1=-200(load case 7)
Max Uplift12=-751(load case 6), 1=-307(load case 6), 10=-445(load case 10)
Max Grav12=2192(load case 1), 1=998(load case 1), 10=73(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-425/390, 2-3=-2347/1632, 3-4=-1295/991, 4-5=-1216/1170, 5-6=-780/758, 6-7=-257/315, 7-8=-384/295, 8-9=-882/1430, 9-10=-691/1178, 10-11=0/37
BOT CHORD 2-17=-1271/2108, 16-17=-1275/2119, 15-16=0/57, 4-16=-332/369, 14-15=-74/113, 13-14=-5/290, 12-13=-1234/1044, 10-12=-99 2/725
WEBS 3-17=-119/404, 3-16=-1152/949, 14-16=0/520, 5-16=-745/943, 5-14=-400/188, 6-14=-237/575, 6-13=-953/732, 8-13=-1122/1765, 8- 12=-1982/1402, 9-12=-275/363

JOINT STRESS INDEX
2 = 0.99, 3 = 0.63, 4 = 0.27, 5 = 0.74, 6 = 0.62, 7 = 0.13, 8 = 0.80, 9 = 0.34, 10 = 0.79, 12 = 0.31, 13 = 0.92, 14 = 0.45, 15 = 0.23, 16 = 0.35 and 17 = 0.34

NOTES (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should v erify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 751 lb uplift at joint 12, 307 l b uplift at joint 1 and 445 lb uplift at joint 10.
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T12	ROOF TRUSS	2	1	Job Reference (optional)

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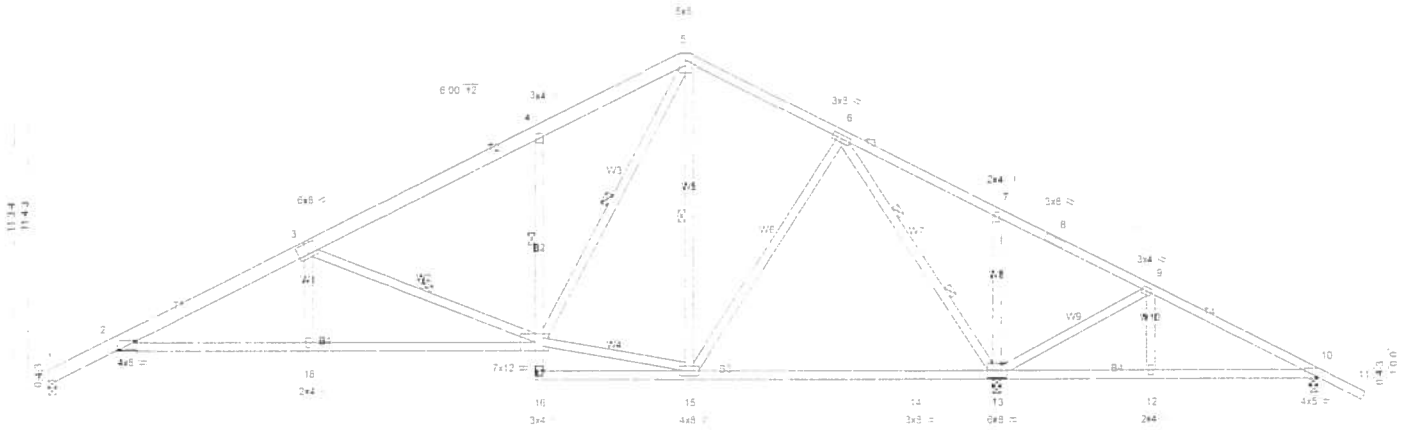
2-9-8	9-0-2	16-10-0	22-0-0	27-5-2	32-10-4	38-1-14	44-0-0	45-6-0
2-9-8	6-2-10	7-9-14	5-2-0	5-5-2	5-5-2	5-3-10	5-10-2	1-6-0

Scale = 1:77.3



9-1-2 9-1-2 9-1-2

2-9-8	9-0-2	16-10-0	22-0-0	32-10-4	38-1-14	44-0-0
2-9-8	6-2-10	7-9-14	5-2-0	10-10-4	5-3-10	5-10-2

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.54	2-18	>725	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.73	2-18	>538	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.29	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 276 lb	

LUMBER
TOP CHORD 2 X 6 SYP DSS *Except*
T3 2 X 4 SYP No.2, T4 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-3 oc purlins (P)
BOT CHORD Rigid ceiling directly applied or 5-7-14 oc bracing. Except
1 Row at midpt 4-17
WEBS 1 Row at midpt 3-17, 5-17, 5-15
2 Rows at 1/3 pts 6-13

REACTIONS (lb/size) 13=2416/0-3-8, 1=791/0-3-8, 10=-315/0-3-8
Max Horz1=-200(load case 7)
Max Uplift13=-917(load case 6), 1=-233(load case 6), 10=-523(load case 10)
Max Grav13=2416(load case 1), 1=791(load case 1), 10=76(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-313/306, 2-3=-1651/1109, 3-4=-775/590, 4-5=-708/790, 5-6=-274/417, 6-7=-969/1697, 7-8=-1132/1696, 8-9=-1150/1581, 9-10=-631/1333, 10-11=0/37
BOT CHORD 2-18=-820/1508, 17-18=-820/1513, 16-17=0/27, 4-17=-321/409, 15-16=-107/17, 14-15=-350/529, 13-14=-350/529, 12-13=-1164/707, 10-12=-1164/707
WEBS 3-18=-6/278, 3-17=-1007/850, 15-17=0/358, 5-17=-712/848, 5-15=-661/372, 6-15=-442/851, 6-13=-2184/1508, 7-13=-292/359, 9-13=-415/739, 9-12=-285/132

JOINT STRESS INDEX
2 = 0.98, 3 = 0.62, 4 = 0.23, 5 = 0.61, 6 = 0.71, 7 = 0.34, 8 = 0.60, 9 = 0.59, 10 = 0.49, 12 = 0.34, 13 = 0.45, 14 = 0.27, 15 = 0.58, 16 = 0.23, 17 = 0.73 and 18 = 0.34

NOTES (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS (and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 917 lb uplift at joint 13, 233 lb uplift at joint 1 and 523 lb uplift at joint 10.
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T12A	ROOF TRUSS	1	1	Job Reference (optional)

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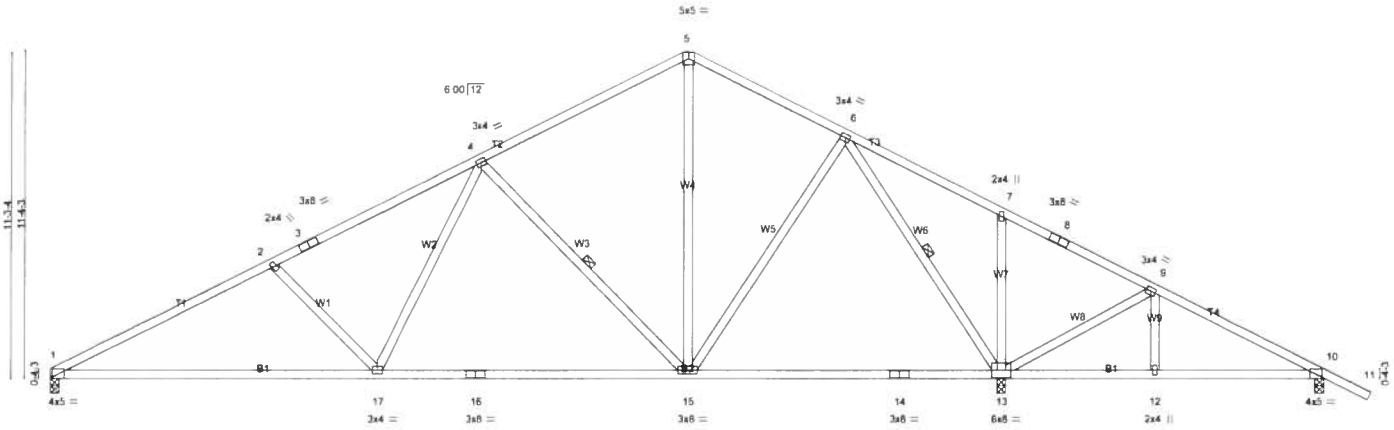
9-1-2

7-8-5	14-10-3	22-0-0	27-5-2	32-10-4	38-1-14	44-0-0	45-6-0
7-8-5	7-1-13	7-1-13	5-5-2	5-5-2	5-3-10	5-10-2	1-6-0

Scale = 1:76.9



9-1-2 9-1-2 9-1-2

11-3-4	22-0-0	32-10-4	38-1-14	44-0-0
11-3-4	10-8-12	10-10-4	5-3-10	5-10-2

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.30	1-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.60	1-17	>656	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.05	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 241 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-4 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-15, 6-13

REACTIONS (lb/size) 1=961/0-3-8, 13=1734/0-3-8, 10=195/0-3-8
Max Horz 1=-200(load case 7)
Max Uplift1=-297(load case 6), 13=-685(load case 7), 10=-289(load case 7)
Max Grav1=961(load case 1), 13=1734(load case 1), 10=294(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1701/1189, 2-3=-1422/1053, 3-4=-1264/1077, 4-5=-695/649, 5-6=-665/664, 6-7=-256/579, 7-8=-420/580, 8-9=-438/465, 9-10=-142/291, 10-11=0/37
BOT CHORD 1-17=-865/1459, 16-17=-394/995, 15-16=-394/995, 14-15=0/293, 13-14=0/293, 12-13=-240/87, 10-12=-240/87
WEBS 2-17=-388/475, 4-17=-327/485, 4-15=-661/666, 5-15=-239/285, 6-15=-196/470, 6-13=-1381/992, 7-13=-295/364, 9-13=-389/720, 9-12=-282/132

JOINT STRESS INDEX
1 = 0.87, 2 = 0.34, 3 = 0.47, 4 = 0.59, 5 = 0.95, 6 = 0.76, 7 = 0.34, 8 = 0.25, 9 = 0.59, 10 = 0.23, 12 = 0.34, 13 = 0.30, 14 = 0.36, 15 = 0.58, 16 = 0.34 and 17 = 0.48

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 1, 685 lb uplift at joint 13 and 289 lb uplift at joint 10.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T13	ROOF TRUSS	1	1	Job Reference (optional)

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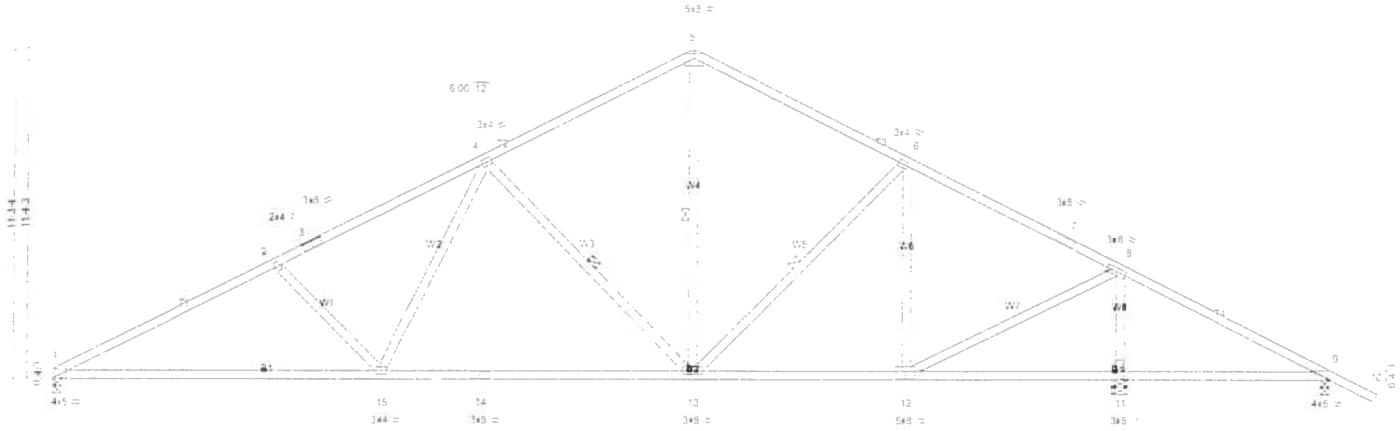
7-8-5	14-10-3	22-0-0	29-4-6	36-8-12	44-0-0	45-6-0
7-8-5	7-1-13	7-1-13	7-4-6	7-4-6	7-3-4	1-6-0

Scale = 1:79.3



9-1-2 9-1-2 9-1-2

11-3-4	22-0-0	29-4-6	36-8-12	44-0-0
11-3-4	10-8-12	7-4-6	7-4-6	7-3-4

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.29	1-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	0.17	9-11	>500	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.06	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 234 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins [P]
BOT CHORD Rigid ceiling directly applied or 5-6-0 oc bracing
WEBS 1 Row at midpt 4-13, 5-13, 6-13

REACTIONS (lb/size) 1=1123/0-3-8, 11=1680/0-6-7, 9=86/0-3-8
Max Horz 1=-200(load case 7)
Max Uplift1=-353(load case 6), 11=-565(load case 7), 9=-237(load case 7)
Max Grav1=1123(load case 1), 11=1680(load case 1), 9=188(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2057/1494, 2-3=-1779/1358, 3-4=-1687/1382, 4-5=-1054/964, 5-6=-1057/962, 6-7=-877/774, 7-8=-968/749, 8-9=-285/522, 9-10=0/37
BOT CHORD 1-15=-1136/1776, 14-15=-668/1312, 13-14=-668/1312, 12-13=-269/782, 11-12=-378/411, 9-11=-378/411
WEBS 2-15=-385/475, 4-15=-320/495, 4-13=-662/648, 5-13=-465/487, 6-13=-74/245, 6-12=-517/411, 8-12=-761/1298, 8-11=-1579/1213

JOINT STRESS INDEX
1 = 0.90, 2 = 0.34, 3 = 0.57, 4 = 0.59, 5 = 0.72, 6 = 0.59, 7 = 0.28, 8 = 0.79, 9 = 0.39, 11 = 0.35, 12 = 0.89, 13 = 0.57, 14 = 0.45 and 15 = 0.48

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust), h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS (and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 353 lb uplift at joint 1, 565 lb uplift at joint 11 and 237 lb uplift at joint 9.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T14	ROOF TRUSS	1	1	Job Reference (optional)

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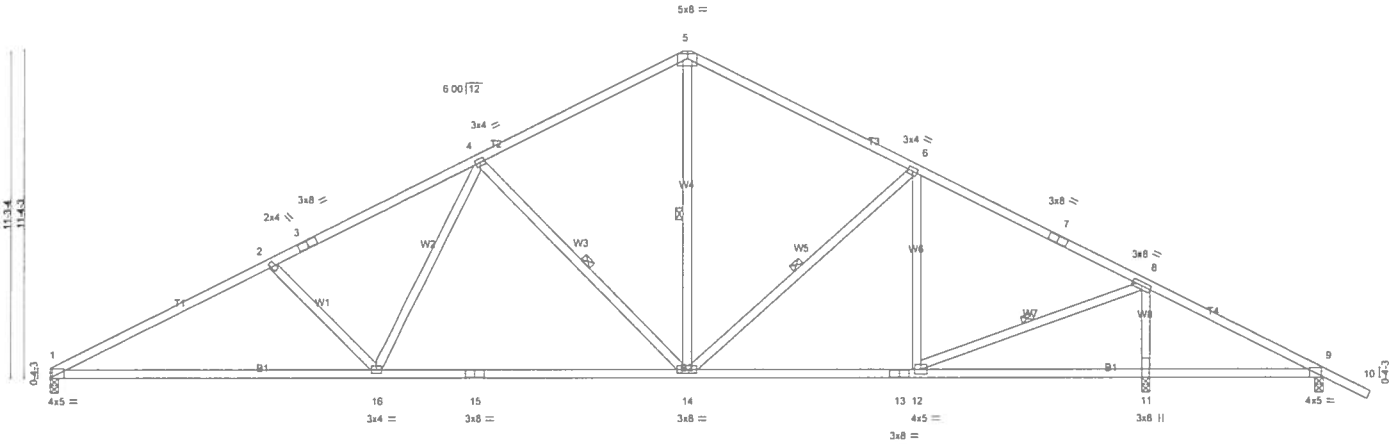
7-8-5 | 14-10-3 | 22-0-0 | 29-11-2 | 37-10-4 | 44-0-0 | 45-6-0

7-8-5 | 7-1-13 | 7-1-13 | 7-11-2 | 7-11-2 | 6-1-12 | 1-6-0

Scale = 1 76 9



9-1-2 9-1-2 9-1-2

11-3-4 | 22-0-0 | 29-11-2 | 37-10-4 | 44-0-0

11-3-4 | 10-8-12 | 7-11-2 | 7-11-2 | 6-1-12

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase 1.25	TC 0.55	Vert(LL)	-0.29	1-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase 1.25	BC 0.68	Vert(TL)	-0.60	1-16	>754	180		
BCLL	10.0 *	Rep Stress Incr YES	WB 0.45	Horz(TL)	0.07	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 234 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-12 oc purlins. (P)
BOT CHORD Rigid ceiling directly applied or 5-4-2 oc bracing.
WEBS 1 Row at midpt 4-14, 5-14, 6-14, 8-12

REACTIONS (lb/size) 1=1168/0-3-8, 11=1666/0-3-8, 9=56/0-3-8
Max Horz1=-200(load case 7)
Max Uplift1=-366(load case 6), 11=-547(load case 7), 9=-209(load case 7)
Max Grav1=1168(load case 1), 11=1666(load case 1), 9=152(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2155/1566, 2-3=-1877/1430, 3-4=-1785/1455, 4-5=-1154/1038, 5-6=-1168/1032, 6-7=-1064/893, 7-8=-1158/875, 8-9=-281 /495, 9-10=0/37
BOT CHORD 1-16=-1201/1863, 15-16=-733/1400, 14-15=-733/1400, 13-14=-407/952, 12-13=-407/952, 11-12=-363/389, 9-11=-363/389
WEBS 2-16=-385/475, 4-16=-321/494, 4-14=-661/644, 5-14=-517/548, 6-14=-159/176, 6-12=-444/376, 8-12=-855/1412, 8-11=-1578/1220

JOINT STRESS INDEX
1 = 0.91, 2 = 0.34, 3 = 0.59, 4 = 0.59, 5 = 0.77, 6 = 0.59, 7 = 0.61, 8 = 0.78, 9 = 0.33, 11 = 0.40, 12 = 0.87, 13 = 0.38, 14 = 0.57, 15 = 0.48 and 16 = 0.48

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 366 lb uplift at joint 1, 547 lb uplift at joint 11 and 209 lb uplift at joint 9.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T15	ROOF TRUSS	3	1	Job Reference (optional)

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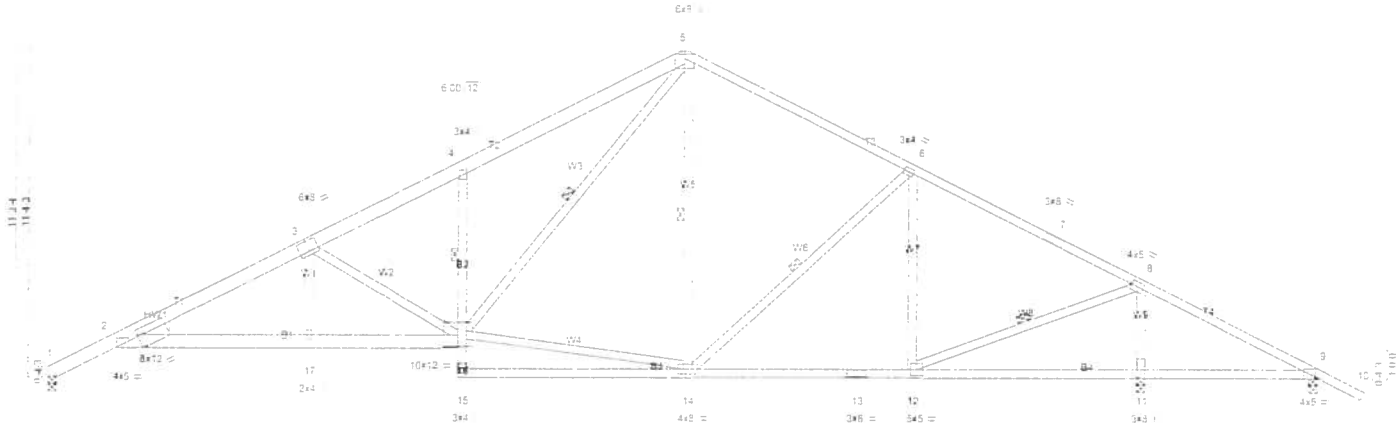
2-9-8	9-0-2	14-2-0	22-0-0	29-11-2	37-10-4	44-0-0	45-6-0
2-9-8	6-2-10	5-1-14	7-10-0	7-11-2	7-11-2	6-1-12	1-6-0



9-1-2				9-1-2		9-1-2
2-9-8	9-0-2	14-2-0	22-0-0	29-11-2	37-10-4	44-0-0
2-9-8	6-2-10	5-1-14	7-10-0	7-11-2	7-11-2	6-1-12

Plate Offsets (X,Y): [2:0-9-14,0-2-12], [2:0-0-0,0-0-4], [3:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.95	Vert(LL)	0.56	2-17	>810	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.72	2-17	>627	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.31	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 281 lb	

LUMBER
TOP CHORD 2 X 6 SYP DSS *Except*
T3 2 X 4 SYP No.2, T4 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 6 SYP DSS, B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W3 2 X 4 SYP No.2
WEDGE
Left: 2 X 6 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied [P]
BOT CHORD Rigid ceiling directly applied or 5-10-11 oc bracing. Except:
1 Row at midpt 4-16
WEBS 1 Row at midpt 5-16, 5-14, 6-14, 8-12

REACTIONS (lb/size) 11=2077/0-3-8, 1=1114/0-3-8, 9=-299/0-3-8
Max Horz 1=-200(load case 7)
Max Uplift 11=-661(load case 6), 1=-344(load case 6), 9=-410(load case 10)
Max Grav 11=2077(load case 1), 1=1114(load case 1), 9=80(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-475/427, 2-3=-2698/1883, 3-4=-1813/1386, 4-5=-1811/1596, 5-6=-1043/952, 6-7=-797/714, 7-8=-892/695, 8-9=-790/1257, 9-10=0/37
BOT CHORD 2-17=-1491/2423, 16-17=-1497/2436, 15-16=0/116, 4-16=-326/388, 14-15=-64/224, 13-14=-246/713, 12-13=-246/713, 11-12=-1038/840, 9-11=-1038/840
WEBS 3-17=-198/420, 3-16=-1053/825, 14-16=-160/651, 5-16=-942/1125, 5-14=-198/108, 6-14=-79/323, 6-12=-616/496, 8-12=-1167/1881, 8-11=-1985/1492

JOINT STRESS INDEX
2 = 0.99, 2 = 0.18, 3 = 0.58, 4 = 0.23, 5 = 0.80, 6 = 0.59, 7 = 0.55, 8 = 0.78, 9 = 0.39, 11 = 0.48, 12 = 0.83, 13 = 0.27, 14 = 0.42, 15 = 0.93, 16 = 0.39 and 17 = 0.34

NOTES (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II, Exp B, enclosed; MWFRS and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 661 lb uplift at joint 11, 344 lb uplift at joint 1 and 410 lb uplift at joint 9.
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T16	ROOF TRUSS	1	1	Job Reference (optional)

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2-9-8	9-0-2	14-2-0	22-0-0	29-5-2	36-10-4	44-0-0	45-6-0
2-9-8	6-2-10	5-1-14	7-10-0	7-5-2	7-5-2	7-1-12	1-6-0

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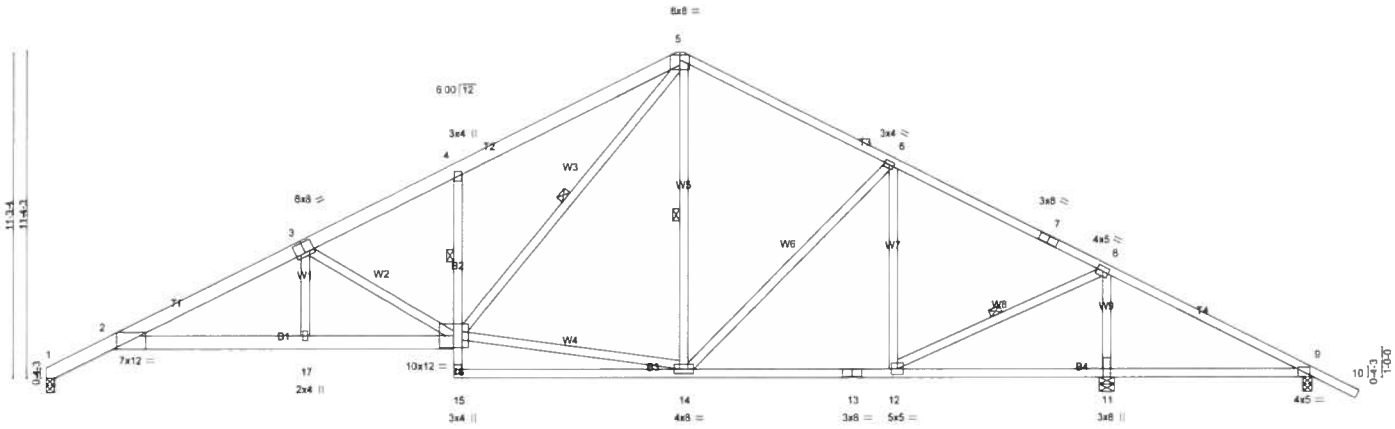


9-1-2 9-1-2 9-1-2

2-9-8	9-0-2	14-2-0	22-0-0	29-5-2	36-10-4	44-0-0
2-9-8	6-2-10	5-1-14	7-10-0	7-5-2	7-5-2	7-1-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.90	Vert(LL)	0.53	2-17	>834	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.68	2-17	>645	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.29	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 279 lb	

LUMBER
TOP CHORD 2 X 6 SYP DSS *Except*
T3 2 X 4 SYP No.2, T4 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 6 SYP DSS, B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W3 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 5-10-10 oc bracing. Except:
1 Row at midpt 4-16
WEBS 1 Row at midpt 5-16, 5-14, 8-12

REACTIONS (lb/size) 11=2114/0-6-7, 1=1061/0-3-8, 9=-283/0-3-8
Max Horz 1=-200(load case 7)
Max Uplift11=-696(load case 6), 1=-327(load case 6), 9=-418(load case 10)
Max Grav11=2114(load case 1), 1=1061(load case 1), 9=70(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-452/410, 2-3=-2535/1766, 3-4=-1674/1287, 4-5=-1676/1501, 5-6=-912/870, 6-7=-582/575, 7-8=-674/550, 8-9=-813/1311, 9-10=0/37
BOT CHORD 2-17=-1384/2274, 16-17=-1389/2286, 15-16=0/117, 4-16=-329/397, 14-15=-52/218, 13-14=-96/520, 12-13=-96/520, 11-12=-108 0/877, 9-11=-1080/877
WEBS 3-17=-186/409, 3-16=-1021/801, 14-16=-93/554, 5-16=-929/1103, 5-14=-264/133, 6-14=-118/411, 6-12=-716/551, 8-12=-1082/1780, 8-11=-2012/1501

JOINT STRESS INDEX
2 = 0.95, 3 = 0.57, 4 = 0.23, 5 = 0.78, 6 = 0.59, 7 = 0.25, 8 = 0.76, 9 = 0.43, 11 = 0.49, 12 = 0.85, 13 = 0.19, 14 = 0.42, 15 = 0.94, 16 = 0.36 and 17 = 0.34

NOTES (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should v erify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 696 lb uplift at joint 11, 327 l b uplift at joint 1 and 418 lb uplift at joint 9.
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

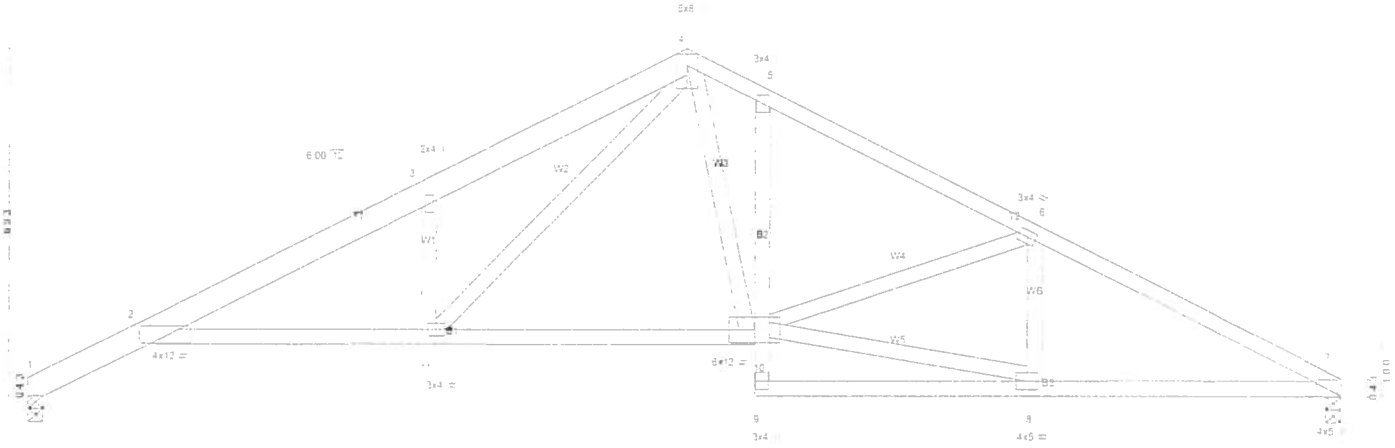
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T17	ROOF TRUSS	1	1	Job Reference (optional)

9-1-2 — 6.300 e Apr 19 2006 MiTek Industries, Inc. Tue Nov 13 12:22:18 2007 Page 1 — 9-1-2

2-9-8	12-10-0	14-2-0	19-7-12	25-8-0
2-9-8	10-0-8	1-4-0	5-5-12	6-0-4

Scale = 1:41.6



9-1-2 — 9-1-2

2-9-8	14-2-0	19-7-12	25-8-0
2-9-8	11-4-8	5-5-12	6-0-4

Plate Offsets (X,Y): [2:0-6-0,0-1-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	0.48	2-11	>632	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.61	2-11	>502	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.28	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 140 lb	

LUMBER
TOP CHORD 2 X 6 SYP DSS *Except*
T2 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-14 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 1=814/0-3-8, 7=812/0-3-8
Max Horz 1=-99(load case 4)
Max Uplift 1=-245(load case 6), 7=-246(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-323/250, 2-3=-1846/1291, 3-4=-2017/1609, 4-5=-1236/1053, 5-6=-1284/962, 6-7=-1491/1054
BOT CHORD 2-11=-1082/1704, 10-11=-456/943, 9-10=0/77, 5-10=-199/213, 8-9=-57/87, 7-8=-839/1265
WEBS 3-11=-665/645, 4-10=-428/535, 8-10=-796/1198, 6-10=-252/280, 6-8=-151/165, 4-11=-925/1125

JOINT STRESS INDEX
2 = 0.67, 3 = 0.35, 4 = 0.50, 5 = 0.26, 6 = 0.59, 7 = 0.64, 8 = 0.61, 9 = 0.45, 10 = 0.74 and 11 = 0.94

NOTES (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust), h=20ft, TCDL=4.2psf; BCDL=3.0psf; Category II, Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 245 lb uplift at joint 1 and 246 lb uplift at joint 7.
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T18	ROOF TRUSS	1	1	Job Reference (optional)

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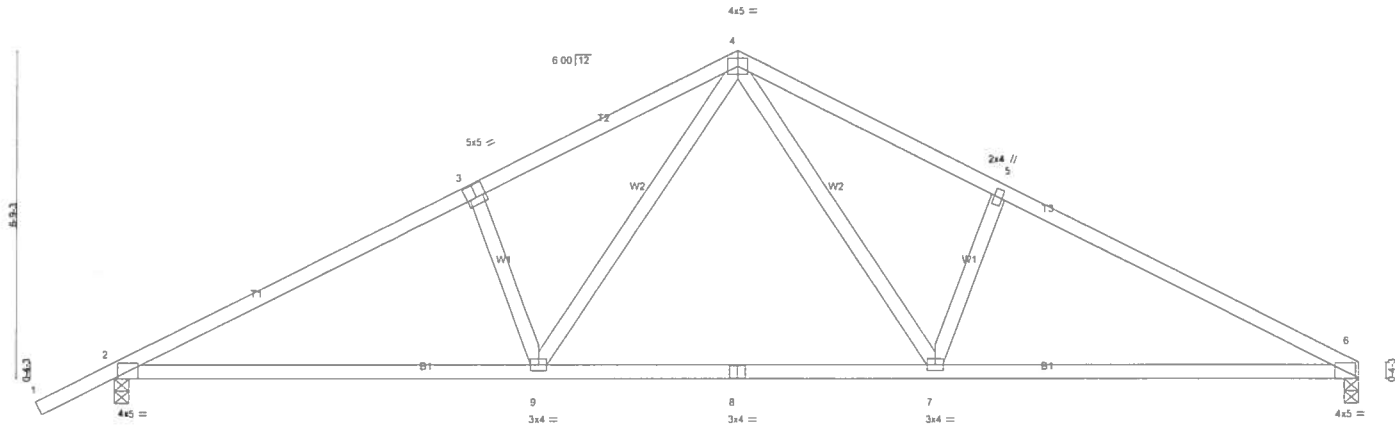
9-1-2

-1-6-0 | 7-5-5 | 12-10-0 | 18-2-11 | 25-8-0

1-6-0 | 7-5-5 | 5-4-11 | 5-4-11 | 7-5-5

Scale = 1:45.9



9-1-2 | 9-1-2

8-8-13 | 16-11-3 | 25-8-0

8-8-13 | 8-2-5 | 8-8-13

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.53	Vert(LL)	0.18	6-7	>999	240	MT20	244/190
TCDL 7.0		Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.27	6-7	>999	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.05	6	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 117 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 6-8-15 oc bracing.

REACTIONS (lb/size) 6=809/0-3-8, 2=908/0-3-8
Max Horz 2=135(load case 6)
Max Uplift 6=-245(load case 7), 2=-338(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-1401/967, 3-4=-1261/1036, 4-5=-1274/1062, 5-6=-1412/990
BOT CHORD 2-9=-734/1170, 8-9=-392/805, 7-8=-392/805, 6-7=-760/1183
WEBS 3-9=-336/396, 4-9=-387/493, 4-7=-427/512, 5-7=-345/412

JOINT STRESS INDEX
2 = 0.84, 3 = 0.89, 4 = 0.72, 5 = 0.34, 6 = 0.84, 7 = 0.49, 8 = 0.47 and 9 = 0.49

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specifi ed.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 245 lb uplift at joint 6 and 338 lb uplift at joint 2.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T19	ROOF TRUSS	1	1	Job Reference (optional)

9-1-2

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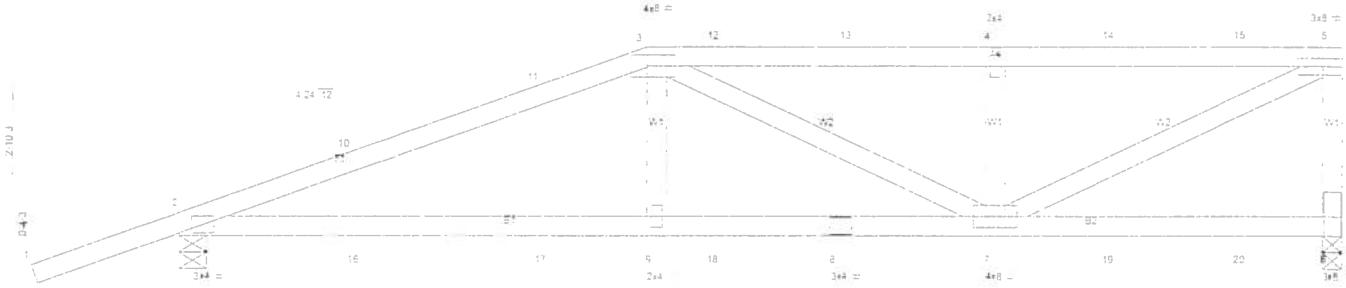
-2-1-7	7-0-14	12-4-3	17-7-8
2-1-7	7-0-14	5-3-5	5-3-5



9-1-2			9-1-2
	7-0-14	12-4-3	17-7-8
	7-0-14	5-3-5	5-3-5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	0.18	2-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.15	2-9	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.85	Horz(TL)	-0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 83 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-5 oc purlins, except end verticals. [P]
BOT CHORD Rigid ceiling directly applied or 4-10-1 oc bracing.

REACTIONS (lb/size) 6=822/0-3-8, 2=819/0-4-15
Max Horz 2=141(load case 3)
Max Uplift 6=-963(load case 4), 2=-887(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-10=-1497/1698, 10-11=-1443/1701, 3-11=-1388/1691, 3-12=-1231/1461, 12-13=-1231/1461, 4-13=-1231/1461, 4-14=-1231/1461, 14-15=-1231/1461, 5-15=-1231/1461, 5-6=-769/856
BOT CHORD 2-16=-1635/1353, 16-17=-1635/1353, 9-17=-1635/1353, 9-18=-1650/1359, 8-18=-1650/1359, 7-8=-1650/1359, 7-19=-98/83, 19-20=-98/83, 6-20=-98/83
WEBS 3-9=-266/325, 3-7=-163/214, 4-7=-440/398, 5-7=-1524/1283

JOINT STRESS INDEX
2 = 0.86, 3 = 0.91, 4 = 0.34, 5 = 0.93, 6 = 0.52, 7 = 0.79, 8 = 0.64 and 9 = 0.34

NOTES (8-9)
1) Wind: ASCE 7-02; 120mph (3-second gust), h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 963 lb uplift at joint 6 and 887 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 13 lb down and 43 lb up at 2-8-9, 23 lb down and 64 lb up at 5-6-8, 38 lb down and 91 lb up at 7-0-14, 59 lb down and 106 lb up at 8-1-13, 59 lb down and 106 lb up at 10-1-13, 59 lb down and 106 lb up at 12-1-13, and 59 lb down and 106 lb up at 14-1-13, and 59 lb down and 106 lb up at 16-1-13 on top chord, and 2 lb down and 3 lb up at 2-8-9, 25 lb down and 20 lb up at 5-6-8, 51 lb down and 41 lb up at 7-0-14, 42 lb down and 33 lb up at 8-1-13, 42 lb down and 33 lb up at 10-1-13, 42 lb down and 33 lb up at 12-1-13, and 42 lb down and 33 lb up at 14-1-13, and 42 lb down and 33 lb up at 16-1-13 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).
8) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
9) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 2-6=-10
Concentrated Loads (lb)
Vert: 3=-38(B) 8=-14(B) 9=-17(B) 4=-59(B) 7=-14(B) 10=43(B) 11=-23(B) 12=-59(B) 13=-59(B) 14=-59(B) 15=-59(B) 16=1(B) 17=-8(B) 18=-14(B) 19=-14(B) 20=-14(B)

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T20	ROOF TRUSS	1	1	Job Reference (optional)

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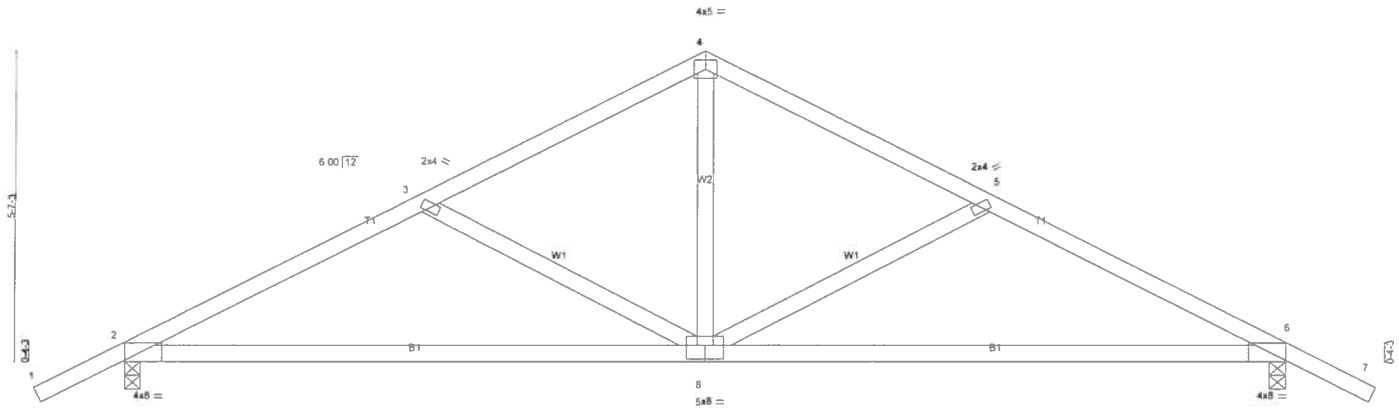

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [6:0-0-0,0-0-4], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.57	Vert(LL)	0.64	2-8	>388	240	MT20	244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.67	Vert(TL)	0.55	2-8	>456	180		
BCLL 10.0	*	Rep Stress Incr YES	WB 0.54	Horz(TL)	-0.05	6	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)						Weight: 95 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-1 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 4-5-1 oc bracing.

REACTIONS (lb/size) 2=755/0-3-8, 6=755/0-3-8
Max Horz 2=-107(load case 7)
Max Uplift2=-602(load case 6), 6=-602(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-1124/1732, 3-4=-819/1494, 4-5=-819/1494, 5-6=-1124/1732, 6-7=0/37
BOT CHORD 2-8=-1402/946, 6-8=-1402/946
WEBS 3-8=-326/450, 4-8=-1091/455, 5-8=-326/450

JOINT STRESS INDEX
2 = 0.92, 3 = 0.34, 4 = 0.73, 5 = 0.34, 6 = 0.92 and 8 = 0.83

NOTES (6-7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02, 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 602 lb uplift at joint 2 and 602 lb uplift at joint 6.
6) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No . 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
7) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T21	ROOF TRUSS	1	1	Job Reference (optional)

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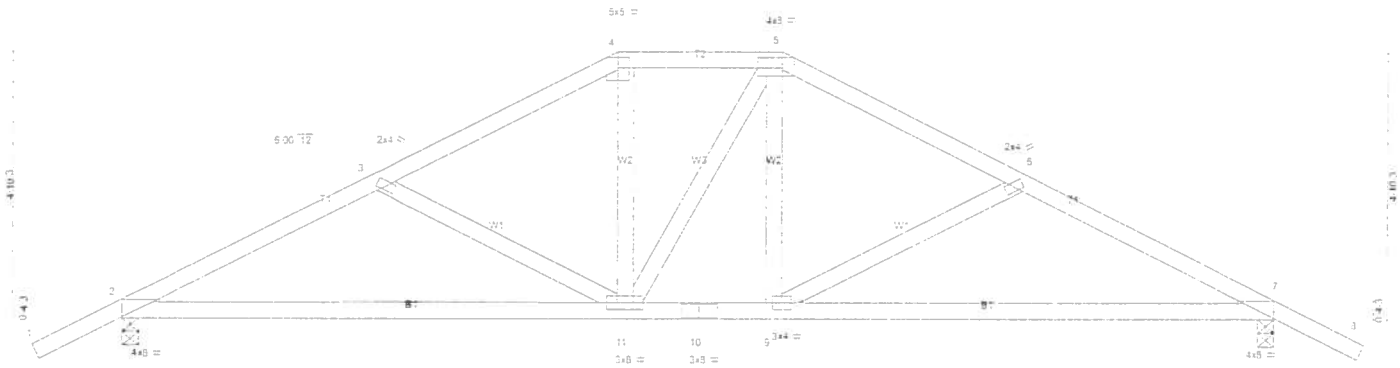
9-1-2 9-1-2

-1-6-0	4-9-4	9-0-0	12-0-0	16-2-12	21-0-0	22-6-0
1-6-0	4-9-4	4-2-12	3-0-0	4-2-12	4-9-4	1-6-0



9-1-2 9-1-2

9-0-0	12-0-0	21-0-0
9-0-0	3-0-0	9-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	0.50	7-9	>499	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	0.42	7-9	>586	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.20	Horz(TL)	-0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 105 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-5 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 4-7-0 oc bracing.

REACTIONS (lb/size) 2=755/0-3-8, 7=755/0-3-8
Max Horz 2=-97(load case 7)
Max Uplift 2=-593(load case 6), 7=-593(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-1148/1770, 3-4=-885/1557, 4-5=-747/1458, 5-6=-885/1555, 6-7=-1148/1769, 7-8=0/37
BOT CHORD 2-11=-1445/972, 10-11=-1108/746, 9-10=-1108/746, 7-9=-1445/972
WEBS 3-11=-262/395, 4-11=-526/226, 5-11=-103/105, 5-9=-527/227, 6-9=-263/398

JOINT STRESS INDEX
2 = 0.89, 3 = 0.34, 4 = 0.54, 5 = 0.51, 6 = 0.34, 7 = 0.89, 9 = 0.48, 10 = 0.50 and 11 = 0.60

NOTES (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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) All bearings are assumed to be SYP No.2.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 593 lb uplift at joint 2 and 593 lb uplift at joint 7.
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904 821 5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T22	ROOF TRUSS	1	1	Job Reference (optional)

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9-1-2 9-1-2

-1-6-0 7-0-0 14-0-0 21-0-0 22-6-0

1-6-0 7-0-0 7-0-0 7-0-0 1-6-0

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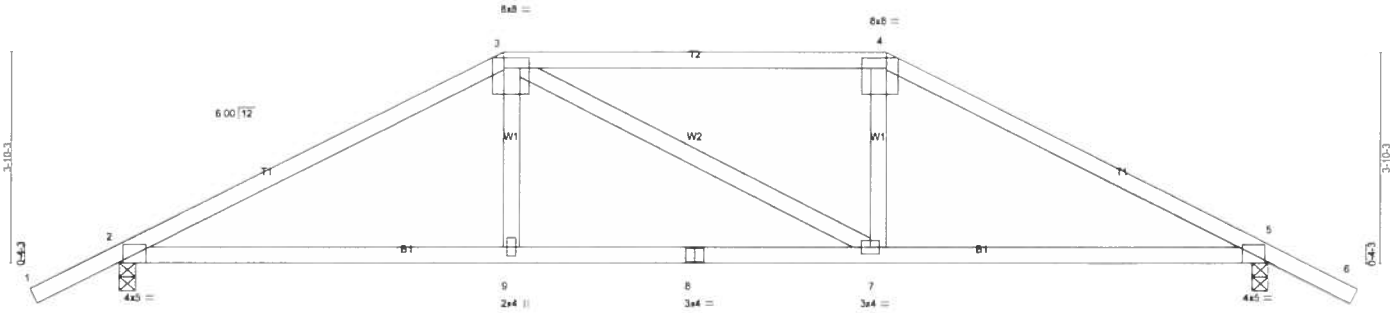

9-1-2 9-1-2

7-0-0 14-0-0 21-0-0

7-0-0 7-0-0 7-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.57	Vert(LL)	0.26	2-9	>952	240	MT20	244/190
TCDL 7.0		Lumber Increase	1.25	BC	0.28	Vert(TL)	0.22	5-7	>999	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB	0.13	Horz(TL)	-0.05	5	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 91 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 5-0-1 oc bracing.

REACTIONS (lb/size) 2=755/0-3-8, 5=755/0-3-8
Max Horz 2=-83(load case 7)
Max Uplift 2=-578(load case 6), 5=-578(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-1104/1747, 3-4=-914/1674, 4-5=-1104/1747, 5-6=0/37
BOT CHORD 2-9=-1369/911, 8-9=-1387/914, 7-8=-1387/914, 5-7=-1369/911
WEBS 3-9=-435/218, 3-7=-135/135, 4-7=-435/218

JOINT STRESS INDEX
2 = 0.57, 3 = 0.96, 4 = 0.96, 5 = 0.57, 7 = 0.48, 8 = 0.42 and 9 = 0.34

NOTES (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exte rior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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) All bearings are assumed to be SYP No.2
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 578 lb uplift at joint 2 and 578 lb uplift at joint 5.
7) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
8) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including B CSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site wit h the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CAREY RESIDENCE
CAREY	T23	ROOF TRUSS	1	1	Job Reference (optional)

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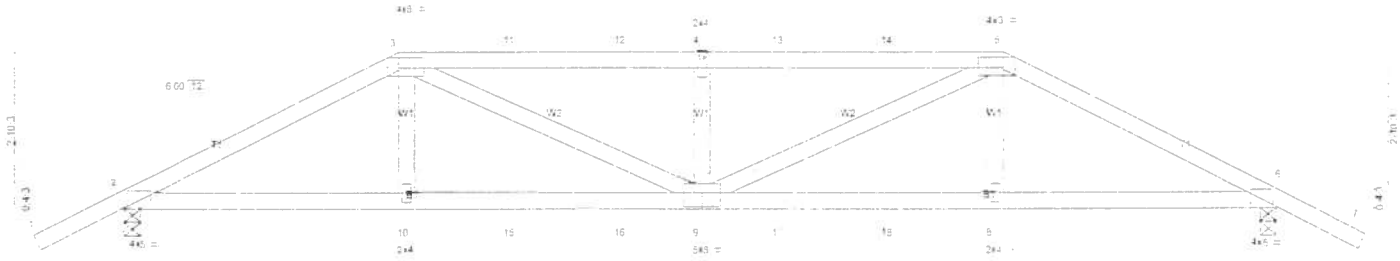
9-1-2 9-1-2

-1-6-0	5-0-0	10-6-0	16-0-0	21-0-0	22-6-0
1-6-0	5-0-0	5-6-0	5-6-0	5-0-0	1-6-0

Scale = 1:43.5



9-1-2 9-1-2

5-0-0	10-6-0	16-0-0	21-0-0
5-0-0	5-6-0	5-6-0	5-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	0.26	8-9	>972	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.21	9-10	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.55	Horz(TL)	-0.07	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 96 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-1 oc purlins. (P)
BOT CHORD Rigid ceiling directly applied or 4-5-3 oc bracing.

REACTIONS (lb/size) 2=1134/0-3-8, 6=1134/0-3-8
Max Horz 2=68(load case 5)
Max Uplift 2=-1249(load case 5), 6=-1239(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-1997/2253, 3-11=-2378/2818, 11-12=-2377/2817, 4-12=-2377/2817, 4-13=-2377/2817, 13-14=-2377/2817, 5-14=-2378/2818, 5-6=-1997/2257, 6-7=0/37
BOT CHORD 2-10=-1974/1721, 10-15=-1989/1728, 15-16=-1989/1728, 9-16=-1989/1728, 9-17=-1965/1728, 17-18=-1965/1728, 8-18=-1965/1728, 6-8=-1950/1721
WEBS 3-10=-258/313, 3-9=-915/787, 4-9=-514/490, 5-9=-895/766, 5-8=-257/313

JOINT STRESS INDEX
2 = 0.82, 3 = 0.79, 4 = 0.34, 5 = 0.79, 6 = 0.82, 8 = 0.34, 9 = 0.44 and 10 = 0.34

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust), h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed, MWFRS, 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) All bearings are assumed to be SYP No.2.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1249 lb uplift at joint 2 and 1239 lb uplift at joint 6.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 150 lb down and 241 lb up at 5-0-0, 59 lb down and 106 lb up at 7-0-12, 59 lb down and 106 lb up at 9-0-12, 59 lb down and 106 lb up at 10-6-0, 59 lb down and 106 lb up at 11-11-4, and 59 lb down and 106 lb up at 13-11-4, and 190 lb down and 241 lb up at 16-0-0 on top chord, and 113 lb down and 100 lb up at 5-0-0, 42 lb down and 33 lb up at 7-0-12, 42 lb down and 33 lb up at 9-0-12, 42 lb down and 33 lb up at 10-6-0, 42 lb down and 33 lb up at 11-11-4, and 42 lb down and 33 lb up at 13-11-4, and 113 lb down and 100 lb up at 15-11-4 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).
9) Apex Technology is a fictitious name owned by Jax Apex Technology Inc., a Florida corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200
10) This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, including BCSI 1-03, should be used in conjunction with the architectural and structural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, please contact Apex Technology for a free copy.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 5-7=-54, 2-6=-10
Concentrated Loads (lb)
Vert: 3=-150(B) 5=-150(B) 10=-47(B) 9=-14(B) 4=-59(B) 8=-47(B) 11=-59(B) 12=-59(B) 13=-59(B) 14=-59(B) 15=-14(B) 16=-14(B) 17=-14(B) 18=-14(B)