PLANCHECK 1

TRANSMITTAL NOTICE

[redacted]

J.H. Fitzmaurice, Inc.
2857 Hannah Street Oakland, California 94608 Tel: (510) 444-7561 Fax (510) 444-1344

To: BAR Architects
901 Battery Street, Suite 300
San Francisco, CA 94111
415-293-5700

Date: 11/6/2019

Due Date: 11/8/2019
Via: Email

Attn: Chris Remedios
Re: Submittal
Chestnut Square Family Apartments
JHF Job No.: 17784 Phase No. 16.010
Transmitted For: Approval
Originator: Country Builders
Spec Division: DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES
Submittal No.: 92R3.06- CBC- Roof Truss Design

REVIEWED
CITY OF LIVERMORE
BUILDING DIVISION
NOV 19 2019
BY: BLAKE WARMERDAM

Item #	Copies	Spec Section	Description (all items enclosed unless noted)
1	1	06 10 00	Roof Truss Design

REJECTED	REVISE AND RESUBMIT	FINAL REVIEW - EXCEPTIONS NOTED	FINAL REVIEW - NO EXCEPTIONS NOTED
			X

CONTRACTOR IS RESPONSIBLE TO CHECK AND COORDINATE THIS SUBMITTAL WITH THE REQUIREMENTS OF THE WORK AND TO VERIFY ALL QUANTITIES, MATERIALS, FIELD MEASUREMENTS AND FIELD CONSTRUCTION CRITERIA RELATED THERETO. REVIEW BY ENGINEER IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE WORK AND COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. NO DEVIATIONS FROM THE CONTRACT DOCUMENTS ARE INCLUDED IN THIS REVIEW UNLESS CALLED TO ATTENTION OF ENGINEER AND RESPONDED TO IN WRITING BY ENGINEER.

MURPHY BURR CURRY, INC.
CONSULTING STRUCTURAL ENGINEERS
SAN FRANCISCO, CALIFORNIA

BY: JYL DATE: 11-13-19

Remarks:
Please see the attached submittal for your review and approval.

J.H. Fitzmaurice, Inc.

By: Email
Name: Rokay Jalal Mukhtar

cc: Andy Larsen, Cynthia Strawn, Leilah Moienzadeh, Victoria Wong, Adel Moghaddas, Kevin Nejad, Mike DeMello, Bradley Sugarman, Kyle Conklin, Noah Fitch.

BAR Architects

Processed only, reviewed by consultant unless otherwise noted. Reviewed by Architect, if any, is only for aesthetic intent. Transmitted to Consultant for review of general conformance with the design concept and general compliance with the information given in the Contract Documents.

CR	11/13/2019	06 10 00	14028F
PROCESSED BY	DATE	SPEC. SECT. FILE NUMBER	PROJECT NUMBER

REVIEWED BY:
ROKAY J MUKHTAR
ASSISTANT PM
JH FITZMAURICE INC.
(510) 359-8349

OFFICE COPY

[redacted]

PROJECT #

CTF California TrusFrame LLC

"People, Drive, Honor...Our Formula for Success!"

TRUSS PLACEMENT PLAN
AND
CALCULATION

Chestnut Square
Multi Family Housing
Roof Trusses

Location: Livermore, Ca

Customer: Country Builders

M29679

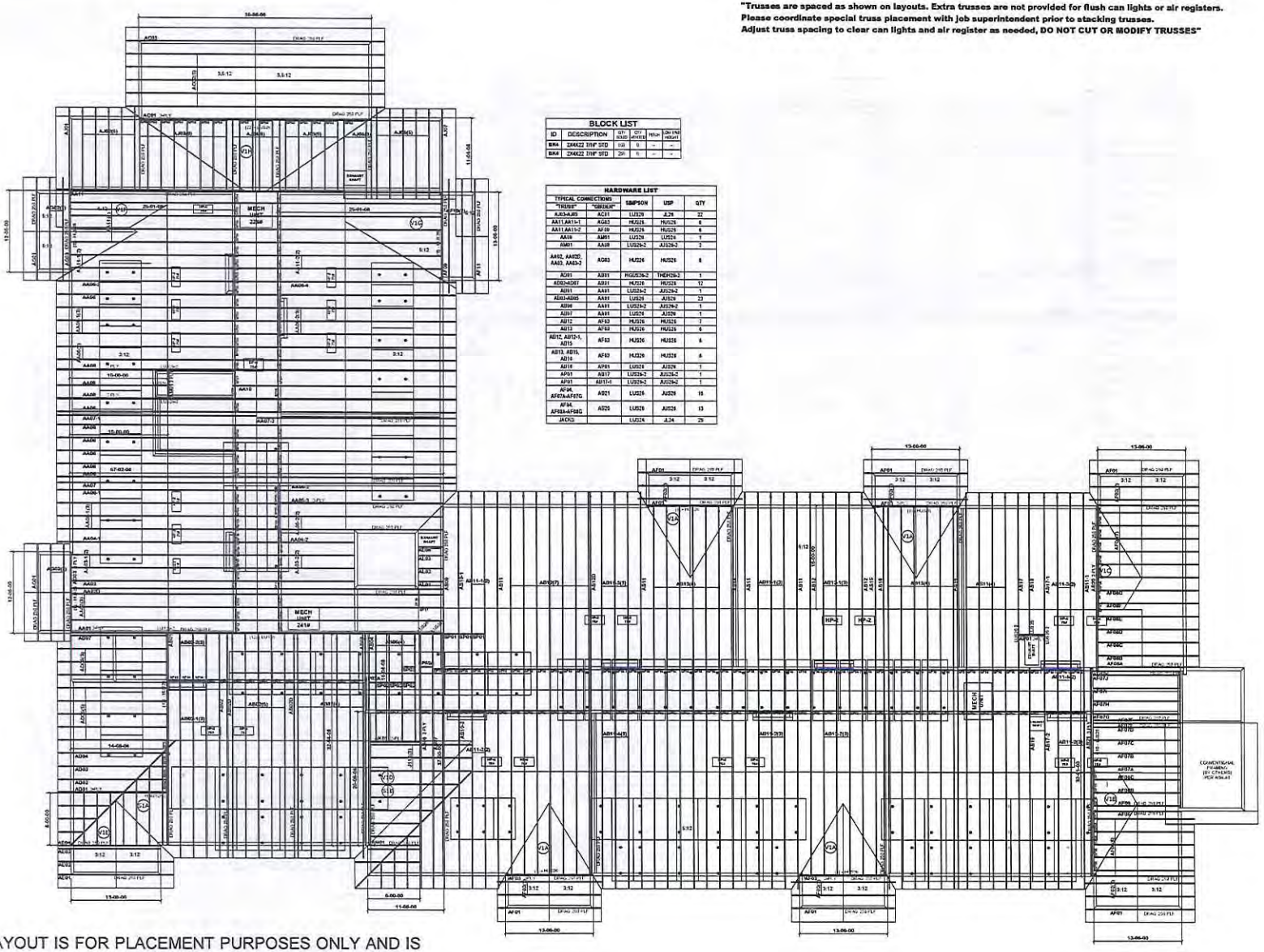
REJECTED	REVISE AND RESUBMIT	FINAL REVIEW - EXCEPTIONS NOTED	FINAL REVIEW - NO EXCEPTIONS NOTED
			X

CONTRACTOR IS RESPONSIBLE TO CHECK AND COORDINATE THIS SUBMITTAL WITH THE REQUIREMENTS OF THE WORK AND TO VERIFY ALL QUANTITIES, MATERIALS, FIELD MEASUREMENTS AND FIELD CONSTRUCTION CRITERIA RELATED THERETO. REVIEW BY ENGINEER IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE WORK AND COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. NO DEVIATIONS FROM THE CONTRACT DOCUMENTS ARE INCLUDED IN THIS REVIEW UNLESS CALLED TO ATTENTION OF ENGINEER AND RESPONDED TO IN WRITING BY ENGINEER.

MURPHY BURR CURRY, INC. CONSULTING STRUCTURAL ENGINEERS SAN FRANCISCO, CALIFORNIA	BY: JYL	DATE: 11-13-19

1144 Commerce Way, Sanger, CA 93657
(559) 876-3630 phone / (559) 876-3540 fax

**"Trusses are spaced as shown on layouts. Extra trusses are not provided for flush can lights or air registers.
Please coordinate special truss placement with job superintendent prior to stacking trusses.
Adjust truss spacing to clear can lights and air register as needed, DO NOT CUT OR MODIFY TRUSSES"**



BLOCK LIST

ID	DESCRIPTION	QTY (EACH)	QTY (WHITE)	REUSE	ON END HEIGHT
BK4	2X4X22 7/16" STD	20	0	--	--
BK8	2X4X22 7/16" STD	20	0	--	--

HARDWARE LIST

TYPICAL CONNECTIONS "TRUSS"	TYPICAL CONNECTIONS "GIRDER"	SIMPSON	USP	QTY
AB3-AJB3	AC01	LUS29	JL24	22
AA11,AA11-1	AG03	HUS26	HUS26	6
AA11,AA11-2	AF09	HUS26	HUS26	6
AA10	AM01	LUS29	LUS29	1
AM01	AA08	LUS29-2	JUS29-2	2
AA02, AA020, AA03, AA03-3	AG03	HU524	HUS26	8
AD01	AB01	HGUS29-2	THDH29-2	1
AD01-AD07	AB01	HUS26	HUS29	12
AD01	AA01	LUS29-2	JUS29-2	1
AD02-AD05	AA01	LUS24	JUS29	23
AB08	AA01	LUS29-2	JUS29-2	1
AD07	AA01	LUS24	JUS29	1
AD12	AF03	HUS26	HUS26	7
AB13	AF03	HUS26	HUS26	6
AB12, AB12-1, AD15	AF03	HUS26	HUS26	6
AB13, AB15, AB16	AF03	HUS26	HUS26	6
AB18	AP01	LUS24	JUS29	1
AP01	AB17	LUS29-2	JUS29-2	1
AP01	AB17-1	LUS29-2	JUS29-2	1
AF04, AF07A-AF07G	AB21	LUS26	JUS26	15
AF04, AF08A-AF08G	AD29	LUS26	JUS26	13
JACKS		LUS24	JL24	29

THIS LAYOUT IS FOR PLACEMENT PURPOSES ONLY AND IS NOT INTENDED AS A STRUCTURAL ENGINEERING DOCUMENT. ALL BEAM SIZES NOTED PER STRUCTURAL PLAN SET

CTF California TrusFrame LLC
"People, Drive, Honor... Our Formula for Success!"
1144 Commerce Way
Sanger, CA 93657
TEL 559-876-3630 FAX 559-876-3540
www.CalTrusFrame.com

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer.

Framer is responsible for accurate spacing of trusses as designed and called out on placement plan. All trusses spaced at 24" oc unless noted otherwise.

TRUSS PLACEMENT PLAN
PLAN: Chestnut Square
SCALE: NTS

Chestnut Square

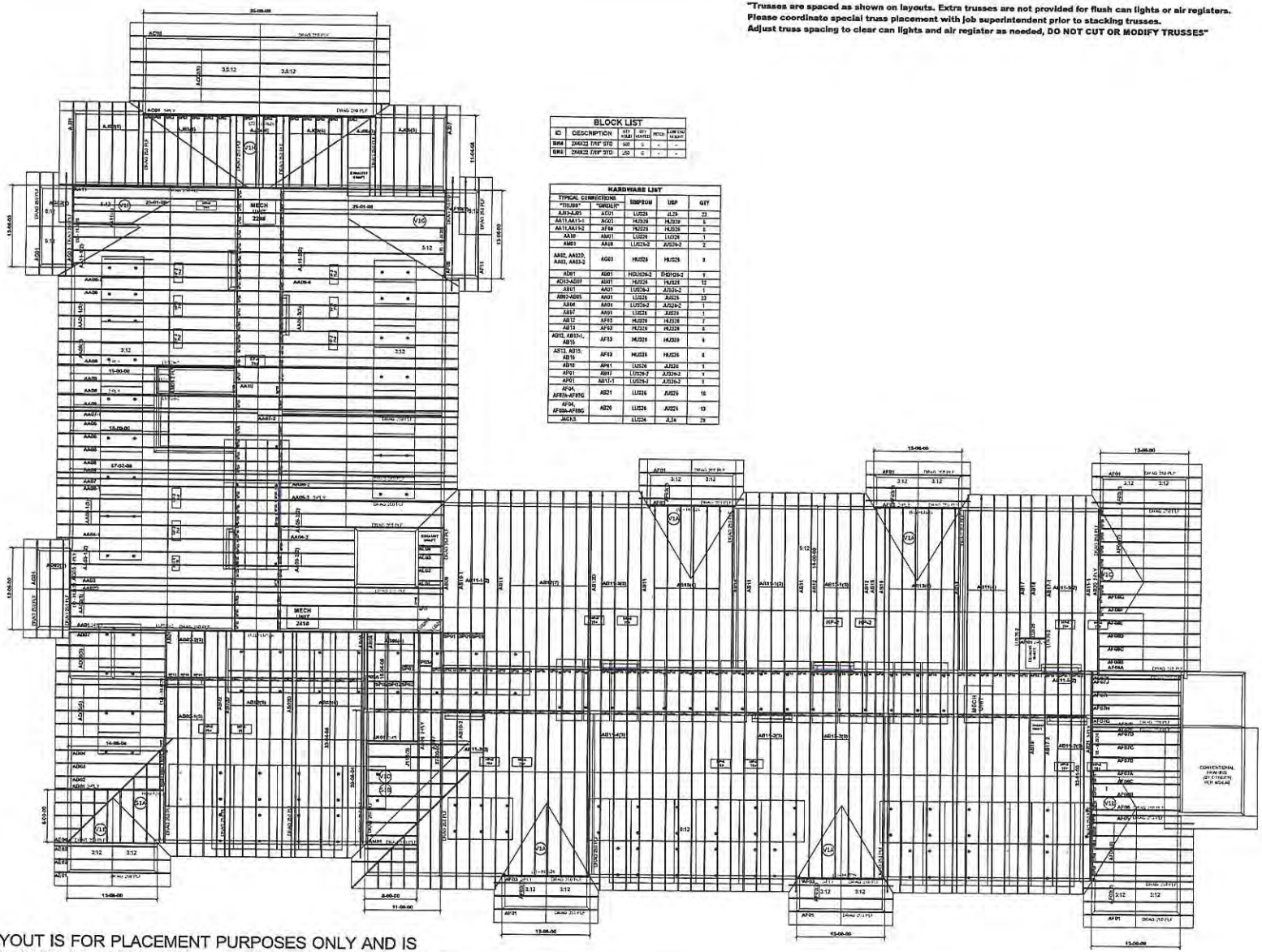
CUSTOMER: Country Builders
LOCATION: Livermore, CA.

PITCH : 4/12 U.N.O OVERHANG: 24"
LOADING : TCLL=20 / TCDL=14 / BCDL=10

PROJECT No: M29679
DESIGNER: MMB

REV. BY	REV. DATE

"Trusses are spaced as shown on layouts. Extra trusses are not provided for flush can lights or air registers. Please coordinate special truss placement with job superintendent prior to stacking trusses. Adjust truss spacing to clear can lights and air register as needed, DO NOT CUT OR MODIFY TRUSSES"



BLOCK LIST					
ID	DESCRIPTION	QTY USED	QTY MOVED	PITCH	CAN END N.A.I?
BM4	24X12 7/16" STD	500	0	-	-
BM3	24X12 7/16" STD	200	0	-	-

HARDWARE LIST				
TYPICAL CONNECTIONS "TRUSS"	"GIRDER"	EMPSON	USP	QTY
AJ01-AJ05	AG01	LUS24	JL24	33
AA11,AA11-1	AG01	HUS26	HUS26	5
AA11,AA11-2	AF48	HUS26	HUS26	5
AA10	AM01	LUS26	LUS26	1
AM01	AA10	LUS26-2	JUS26-2	2
AA02, AA02-2, AA03, AA03-2	AG03	HUS26	HUS26	9
AD01	AD01	HGUS26-2	DHDH26-2	9
AD02-AD07	AD01	HUS24	HUS24	12
AB01	AA01	LUS26-2	JUS26-2	1
AB02-AB05	AA01	LUS26	JUS26	33
AB04	AA01	LUS26-2	JUS26-2	1
AB07	AA01	LUS24	JUS24	1
AB12	AF43	HUS26	HUS26	7
AB13	AF43	HUS26	HUS26	5
AB10, AB10-1, AB15	AF43	HU526	HU526	9
AB12, AB15, AB16	AF43	HUS26	HUS26	6
AB18	AP41	LUS26	JUS26	1
AP01	AB07	LUS26-2	JUS26-2	1
AP01	AB12-1	LUS26-2	JUS26-2	1
AF04, AF07A-AF09G	AB21	LUS26	JUS26	16
AF04, AF08A-AF09G	AB26	LUS26	JUS26	13
JACK5		LUS24	JL24	29

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PLAN: Chestnut Square
SCALE: NTS

Chestnut Square

CUSTOMER: Country Builders
LOCATION: Livermore, CA.

PITCH : 4/12 U.N.O OVERHANG: 24"
LOADING : TCLL=20 / TCDL=14 / BCDL=10

PROJECT No: M29679
DESIGNER: MMB

REV. BY	REV. DATE

Dowds & Associates Engineers

Dowds & Associates Engineers
5032 Dubois Drive
San Diego, CA 92117
Ph: (858) 683-3361

Re: 19CTF1643-M29679 Chestnut Square Family Apartments

Drawing Name: M29679-Chestnut-Square MMB

Pages covered by this seal: 001 through 232 only.

My license renewal date for the state of California is: March 31, 2021.

Lumber design values are in accordance with ANSI/TPI 1 Section 6.3 "Design Values".
Truss designs rely on lumber values established by others.

[redacted]

[redacted]

Date: 10/30/2019

NOTES:
Truss Engineer's responsibility is solely for the design of individual trusses based on the design parameters as shown on the referenced truss drawings. Parameters have not be verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer/Engineer-of-Record (EOR), not the Truss Engineer, per ANSI-TPI-1, Chapter 2. Verification of Serviceability, to include but not limited to truss bearing/support conditions and deflections, is the responsibility of the EOR and shall be coordinated with Truss Manufacturer, as required.

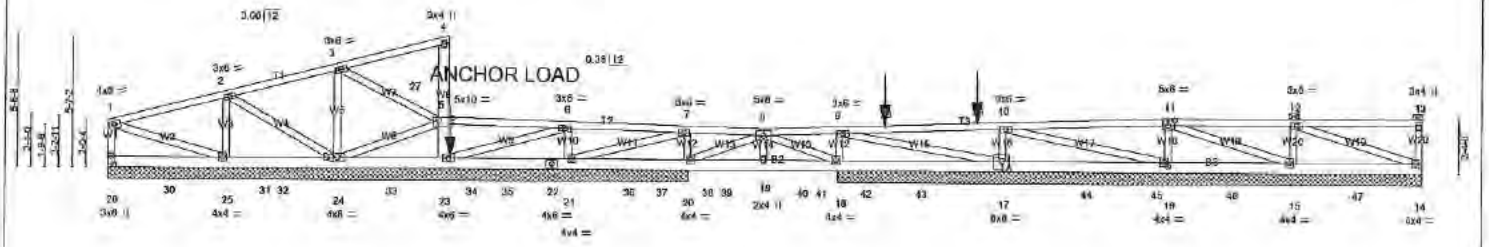
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA01	ROOF SPECIAL GIRDER	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:30 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-HStf8wlXD9tkUdBnJ6fDU2cMC42er40KrfBlvgyOAlx

5-1-5	9-11-3	14-9-0	19-10-14	25-0-12	28-4-4	31-7-12	38-9-2	45-10-8	51-3-6	56-8-0	56-10-0
5-1-5	4-9-13	4-9-13	5-1-14	5-1-14	3-3-8	3-3-8	7-1-6	7-1-6	5-4-14	5-4-10	0-2-0

Scale: 1/8"=1'



5-1-5	9-11-3	14-9-0	19-10-14	25-0-12	28-4-4	31-7-12	38-9-2	45-10-8	51-3-6	56-10-0
5-1-5	4-9-13	4-9-13	5-1-14	5-1-14	3-3-8	0-0-1 3-3-7	7-1-6	7-1-6	5-4-14	6-6-10

Plate Offsets (X,Y)-- [5:0-7-8,0-1-4], [11:0-3-8,0-2-8], [16:0-1-12,0-2-0], [17:0-3-8,0-4-8], [26:0-4-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.03	17-18	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.08	14-15	>766	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.50	Horz(CT)	-0.07	14	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 632 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W8: 2x6 DF No.2 G, W15: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 5-23, 11-13. Except:
6-0-0 oc bracing: 11-13
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 25-1-8 except (jt=length) 14=25-3-0, 18=25-3-0, 17=25-3-0, 16=25-3-0, 15=25-3-0.
(lb) - Max Horz
26=1667(LC 49)
Max Uplift
All uplift 100 lb or less at joint(s) except 23=-497(LC 27), 14=-486(LC 22), 26=-1468(LC 19), 25=-184(LC 20), 24=-625(LC 19), 21=-192(LC 22), 20=-398(LC 21), 18=-508(LC 22), 17=-152(LC 29), 16=-345(LC 29), 15=-210(LC 29)
Max Grav
All reactions 250 lb or less at joint(s) except 23=5902(LC 48), 14=1100(LC 50), 26=1570(LC 40), 25=500(LC 63), 24=789(LC 40), 21=1697(LC 50), 20=1661(LC 50), 18=2173(LC 50), 17=2335(LC 50), 16=2387(LC 50), 15=3043(LC 50)

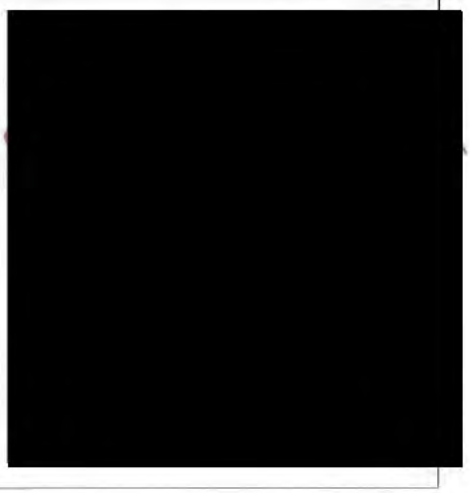
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-2618/2523, 2-3=-2204/2127, 3-4=-1274/1197, 5-23=-1959/1260, 5-27=-1812/1520, 4-27=-404/474, 5-6=-1869/1903, 6-7=-1864/1875, 7-8=-1902/1907, 8-9=-4016/4001, 9-28=-3390/3367, 28-29=-2879/2856, 10-29=-1871/1872, 10-11=-2286/2271, 1-26=-1517/1469, 11-12=-1559/1559, 12-13=-1411/1356
BOT CHORD
26-30=-1602/1695, 25-30=-6868/6677, 25-31=-6550/4900, 31-32=-6550/6429, 24-32=-6550/6429, 24-33=-3525/3466, 23-33=-3525/3466, 23-34=-2104/2084, 34-35=-2104/2084, 22-35=-2104/2084, 21-22=-2104/2084, 21-36=-804/773, 36-37=-804/773, 20-37=-2346/2315, 20-38=-1109/1182, 38-39=-1775/1849, 19-39=-1775/1849, 19-40=-1775/1849, 40-41=-1775/1849, 18-41=-2876/2950, 18-42=-2555/2534, 42-43=-3158/3137, 17-43=-3158/3137, 17-44=-2936/2921, 44-45=-2936/2921, 16-45=-2936/2921, 16-46=-2255/2241, 15-46=-2255/2241, 15-47=-1187/1195, 14-47=-1187/1195
WEBS
2-25=-855/780, 2-24=-991/1040, 3-24=-419/317, 3-5=-337/390, 5-24=-2364/2336, 6-23=-1459/1460, 6-21=-668/597, 7-21=-1392/1404, 7-20=-601/524, 8-20=-2062/1944, 8-19=-40/389, 8-18=-1518/1415, 9-18=-600/18, 10-17=-731/207, 10-16=-702/703, 11-16=-548/497, 11-15=-1125/1148, 12-15=-637/639, 12-14=-1222/1260, 1-25=-2548/2622

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) 241.0lb AC unit load placed on the top chord, 35-8-0 from left end, supported at two points, 4-0-0 apart.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 47, 48, 49, 50 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 6-9-0, 23-10-12 to 25-10-12, 30-9-12 to 32-9-12 for 1321.7 plf.
14) Girder carries tie-in span(s): 7-0-0 f
15) Graphical purlin representation doe
top and/or bottom chord.
16) Hanger(s) or other connection devic
load(s) 121 lb down at 33-8-0, and 121
up at 14-9-12 on bottom chord. The d
responsibility of others.

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lumbe
Uniform Loads (plf)
Vert: 1-4=-74, 5-8=-74, 8-13=-74, 26-
Concentrated Loads (lb)
Vert: 23=-1141(F) 28=-121 29=-121
47) Anchor Load #1 UP: Lumber Increa
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-13=-
Concentrated Loads (lb)
Vert: 23=-3553(F) 27=1667(F) 28=-
48) Anchor Load #1 DOWN: Lumber Inc
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-13=-
Concentrated Loads (lb)
Vert: 23=-3553(F) 27=-1667(F) 28=-121(F) 29=-121(F)

Continued on page 2

LOAD CASE(S)
Standard Except:
49) Anchor Load #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-13=-74(F), 26-34=-16(F), 34-45=-220(F), 14-45=-428(F)
Concentrated Loads (lb)
Vert: 23=-3553(F) 28=-121(F) 29=-121(F)
Horz: 27=-1667(F)
50) Anchor Load #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-13=-74(F), 26-34=-16(F), 34-45=-220(F), 14-45=-428(F)
Concentrated Loads (lb)
Vert: 23=-3553(F) 28=-121(F) 29=-121(F)
Horz: 27=1667(F)



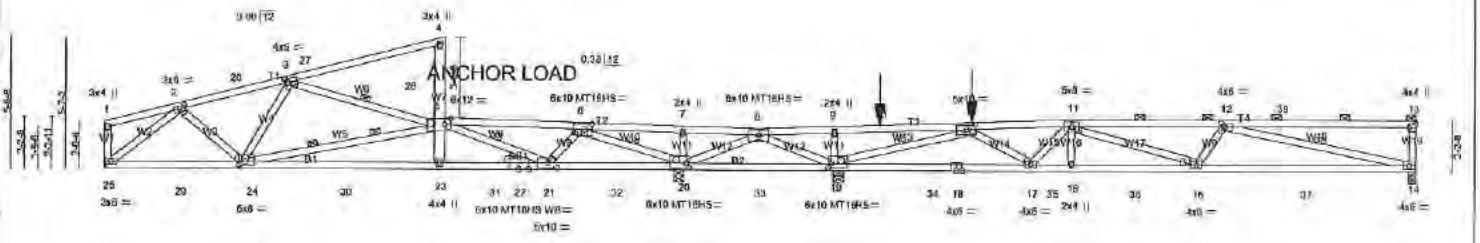
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA02	ROOF SPECIAL	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:33 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-h0ZnmynPV4FJL4wM_FCw6hElxHxz2JvmXdQPW?yOAlu

3-3-2	8-1-4	14-9-0	20-7-15	25-0-12	28-4-4	31-7-12	37-7-0	41-11-9	48-6-13	56-8-0	56-10-0
3-3-2	4-10-2	6-7-12	5-10-15	4-4-13	3-3-8	3-3-8	5-11-4	4-4-10	6-7-4	8-1-3	0-2-0

Scale: 1/8"=1'
Central = [8:19 0-



5-11-10	14-9-0	19-2-11	24-10-12	25-0-12	31-7-12	31-9-12	40-2-8	41-11-9	47-4-4	56-10-0
5-11-10	8-9-6	4-5-11	5-8-1	0-2-0	6-7-0	0-2-0	8-4-12	1-9-1	5-4-11	9-5-12

Plate Offsets (X,Y)-- [2:0-2-12,0-1-8], [3:0-0-15,0-2-0], [5:0-3-0,0-3-0], [6:0-3-12,0-2-12], [10:0-4-12,0-2-4], [12:0-1-12,0-2-0], [13:Edge,0-3-8], [19:0-1-8,0-2-4], [20:0-1-8,0-2-4], [21:0-4-8,0-2-8], [24:0-3-4,0-1-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.97	Vert(LL)	-0.56	23-24	>530	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.97	Vert(CT)	-1.01	14-15	>298	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 1.00	Horz(CT)	0.25	14	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 272 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3,T4: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals, and 0-0-0 oc purlins (3-5-1 max.): 5-23, 11-13. Except:
3-5-0 oc bracing: 11-13
BOT CHORD
Rigid ceiling directly applied or 3-0-10 oc bracing.
WEBS
1 Row at midpt 3-5, 5-21, 6-20, 10-19, 12-14
2 Rows at 1/3 pts 5-24

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8 except (jt=length) 14=0-4-0, 25=Mechanical.
(lb) - Max Horz
25=1667(LC 29)
Max Uplift
All uplift 100 lb or less at joint(s) 14, 25 except 20=-382(LC 27)
Max Grav
All reactions 250 lb or less at joint(s) except 14=987(LC 27), 20=3220(LC 28), 19=2608(LC 27), 25=1504(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-26=-2431/107, 3-26=-2352/118, 3-27=-856/492, 4-27=-795/596, 5-23=0/345, 5-28=-1819/1440, 4-28=-342/87, 5-6=-2469/149, 6-7=-581/4825, 7-8=-580/4826, 13-14=-278/77, 8-9=-154/2616, 9-38=-152/2603, 10-38=-147/2616, 10-11=-2155/0, 11-12=-2636/175
BOT CHORD
25-29=-317/2369, 24-29=-317/2369, 24-30=-1284/5980, 23-30=-1284/5980, 23-31=-1358/6426, 22-31=-1358/6426, 21-22=-1358/6426, 21-32=-141/1062, 20-32=-141/1062, 20-33=-3886/89, 19-33=-3886/69, 19-34=0/1414, 18-34=0/1414, 17-18=0/1414, 17-35=-134/2532, 16-35=-134/2532, 16-36=-134/2532, 15-36=-134/2532, 15-37=-274/2825, 14-37=-274/2825
WEBS
2-24=-85/823, 3-24=-266/607, 3-5=-1866/205, 5-24=-4016/1775, 5-21=-4282/1474, 6-21=-626/2193, 6-20=-6318/422, 7-20=-361/76, 8-20=-1023/1601, 8-19=-1734/1403, 9-19=-572/0, 10-19=-4121/31, 10-17=-104/909, 11-17=-583/190, 11-15=-76/531, 12-14=-2744/256, 2-25=-2138/130, 11-16=-165/258

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 5-10-2, Interior(1) 5-10-2 to 56-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 241.0lb AC unit load placed on the top chord, 35-8-0 from left end, supported at two points, 4-0-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Refer to girder(s) for truss to truss connections.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 121 lb down at 33-8-0, and 121 lb down at 37-8-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 14-25=-16(F), 8-13=-74(F)
Concentrated Loads (lb)
Vert: 10=-121(F) 28=1667(F) 38
28) Anchor Load #1 DOWN: Lumber
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 14-
Concentrated Loads (lb)
Vert: 10=-121(F) 28=-1667(F) 38
29) Anchor Load #1 LEFT: Lumber I
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 14-
Concentrated Loads (lb)
Vert: 10=-121(F) 38=-121(F)
Horz: 28=-1667(F)
30) Anchor Load #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 14-
Concentrated Loads (lb)
Vert: 10=-121(F) 38=-121(F)
Horz: 28=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29879 CHESTNUT SQUARE	AA02D	ROOF SPECIAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:35 2019 Page 1
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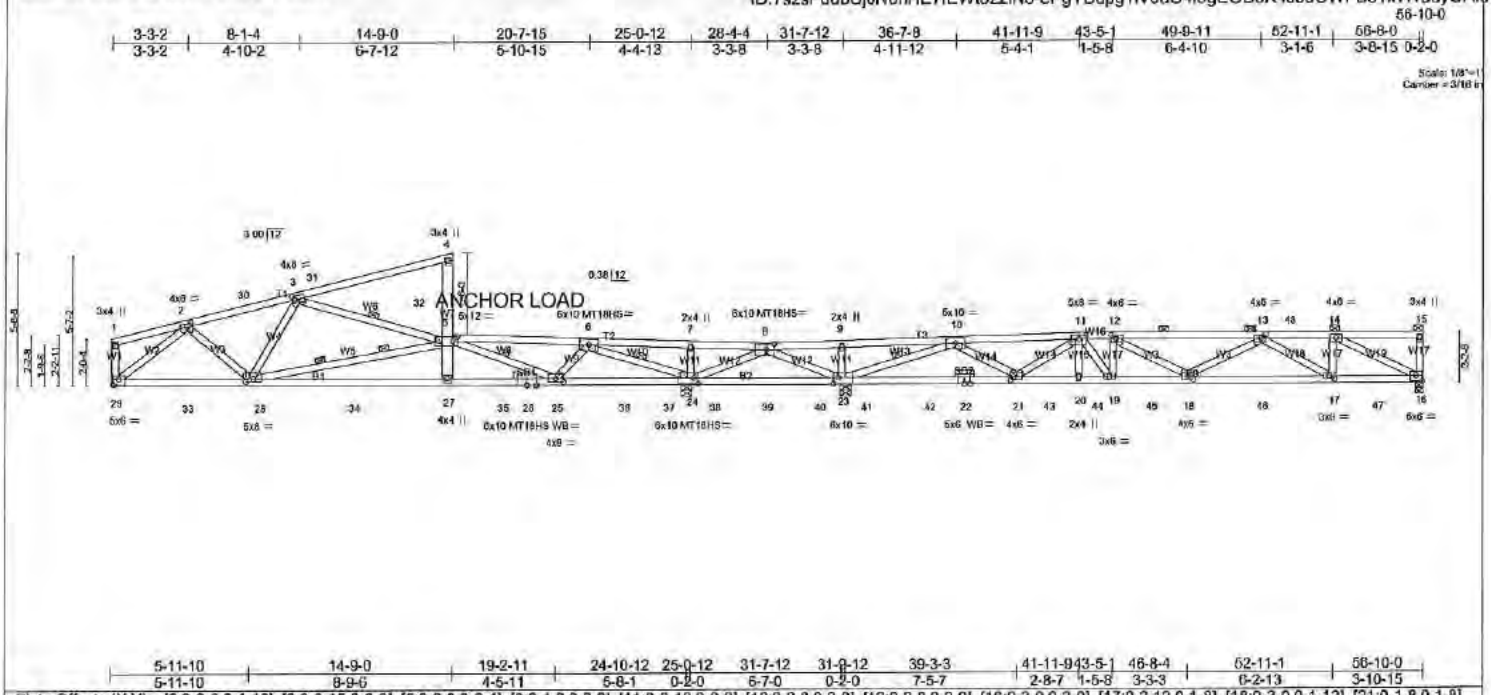

Plate Offsets (X,Y)-- [2:0-2-8,0-1-12], [3:0-0-15,0-2-0], [5:0-2-8,0-2-4], [8:0-4-0,0-3-0], [11:0-3-12,0-2-0], [12:0-2-8,0-2-0], [13:0-2-8,0-2-0], [16:0-3-0,0-3-0], [17:0-2-12,0-1-8], [18:0-3-0,0-1-12], [21:0-1-8,0-1-8], [23:0-2-8,0-3-4], [24:0-2-0,0-3-0], [25:0-4-0,0-1-12], [28:0-3-12,0-1-8], [29:0-2-8,0-3-0]

LOADING (psf)	SPACING- 1-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.98	Vert(LL) -0.50 27-28 >596 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.91	Vert(CT) -0.68 27-28 >441 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.89	Horz(CT) 0.28 16 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 278 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T2,T4: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.2 G *Except*
B3: 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W13: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied, except end verticals, and 0-0-0 oc purlins (4-0-7 max.): 5-27, 11-15. Except:
4-0-0 oc bracing: 11-15
BOT CHORD
Rigid ceiling directly applied or 2-7-0 oc bracing.
WEBS
1 Row at midpt 3-5, 5-25, 6-24, 10-23
2 Rows at 1/3 pts 5-28

REACTIONS. All bearings 0-5-8 except (jt=length) 16=0-4-0, 29=Mechanical.
(lb) - Max Horz
29=1667(LC 57)
Max Uplift
All uplift 100 lb or less at joint(s) except 16=-733(LC 38), 24=-1057(LC 55), 23=-263(LC 37), 29=-1439(LC 27)
Max Grav
All reactions 250 lb or less at joint(s) except 16=944(LC 47), 24=2624(LC 56), 23=1475(LC 55), 29=1666(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-801/802, 2-30=-2249/1855, 3-30=-1669/1154, 3-31=-1795/1737, 4-31=-1606/1526, 5-27=0/295, 5-32=-1722/1533, 4-32=-467/443, 5-6=-2464/2109, 6-7=-4580/5233, 7-8=-5407/6060, 8-9=-3649/4246, 9-10=-4890/5364, 10-11=-3171/2657, 11-12=-2266/1521, 12-13=-2702/1939, 13-48=-944/487, 14-48=-923/439, 14-15=-945/937
BOT CHORD
29-33=-1698/1992, 28-33=-1698/1992, 28-34=-3855/4705, 27-34=-3855/4705, 27-35=-4037/5069, 26-35=-4037/5069, 25-26=-4037/5069, 25-36=-2687/2860, 36-37=-2687/2860, 24-37=-2687/2524, 24-38=-2652/1858, 38-39=-2652/1049, 39-40=-2652/1049, 23-40=-2652/772, 23-41=-4065/4463, 41-42=-3425/3654, 22-42=-3425/3654, 21-22=-3425/3654, 21-43=-5698/6373, 20-43=-5698/6373, 20-44=-5698/6373, 19-44=-5698/6373, 19-45=-6251/6763, 18-45=-3873/5679, 18-46=-5838/6506, 17-46=-2852/3873, 17-47=-1826/2287, 16-47=-1116/1882
WEBS
2-28=-1166/1303, 3-28=-543/641, 3-5=-1287/956, 5-28=-3366/2283, 5-25=-3613/2192, 6-25=-1028/1819, 6-24=-4624/1742, 8-24=-1399/1349, 8-23=-1858/1864, 10-23=-3608/2733, 10-21=-1390/1738, 11-21=-1557/1367, 14-18=-2072/1567, 2-29=-2607/2245, 12-19=-785/712, 11-19=-914/1038, 14-17=-695/891, 12-18=-1345/1365, 13-18=-1262/1378, 13-17=-1625/1382

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 5-10-2, Interior(1) 5-10-2 to 56-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 55, 56, 57, 58 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 43-3-4 to 56-10-0, 24-0-12 to 26-0-12, 30-7-12 to 32-7-12 for 809.0 plf.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
55) Anchor Load #1 UP: Lumber Incr
Uniform Loads (plf)
Vert: 1-4=-37(F), 5-8=-37(F), 16-2
Concentrated Loads (lb)
Vert: 32=1667(F)
56) Anchor Load #1 DOWN: Lumber
Uniform Loads (plf)
Vert: 1-4=-37(F), 5-8=-37(F), 16-2
Concentrated Loads (lb)
Vert: 32=-1667(F)
57) Anchor Load #1 LEFT: Lumber In
Uniform Loads (plf)
Vert: 1-4=-37(F), 5-8=-37(F), 16-2
Concentrated Loads (lb)
Horz: 32=-1667(F)
58) Anchor Load #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-4=-37(F), 5-8=-37(F), 16-2

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA03	ROOF SPECIAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:37 2019 Page 1
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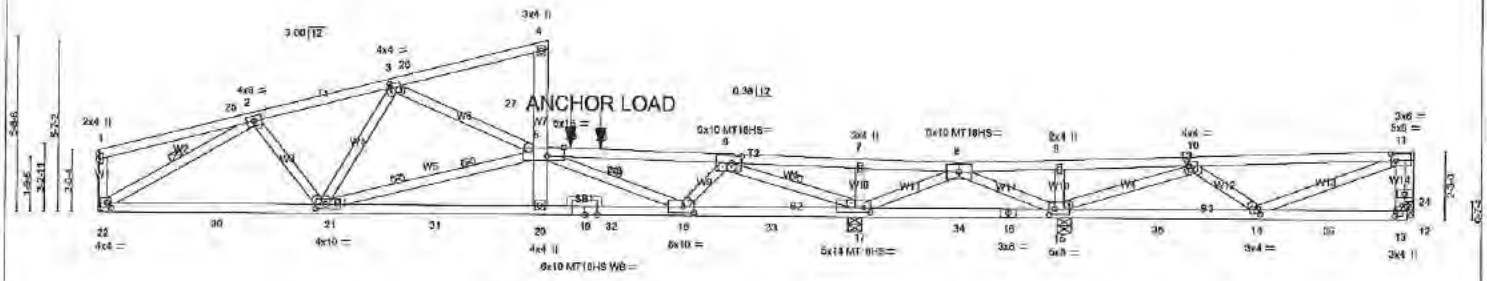
5-1-5	9-9-2	14-9-0	20-7-15	25-0-12	28-4-4	31-7-12	36-0-9	42-11-13	43-3-5
5-1-5	4-7-13	4-11-14	5-10-15	4-4-13	3-3-8	3-3-8	4-4-13	6-11-4	0-3-8

Scale = 1:72.0
Camber = 0.1 in



7-4-2	14-9-0	19-2-12	24-10-12	25-0-12	31-7-12	31-9-12	38-1-8	43-3-5
7-4-2	7-4-14	4-5-12	5-8-0	0-2-0	6-7-0	0-2-0	6-3-12	5-1-13

Plate Offsets (X,Y)-- [3:0-0-1,0-1-8], [5:0-6-8,0-3-4], [6:0-4-0,0-2-12], [10:0-0-8,0-1-12], [11:0-2-0,0-2-12], [13:0-2-0,0-0-4], [14:0-1-8,0-1-8], [15:0-2-4,0-2-4], [17:0-3-0,0-1-12], [18:0-4-4,0-2-8], [21:0-4-0,0-1-12], [22:0-1-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	-0.56 20-21	>538	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.95 20-21	>315	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.18 17	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH						Weight: 214 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-1-2 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-8-10 oc bracing.
WEBS
1 Row at midpt 5-18, 6-17, 2-22
2 Rows at 1/3 pts 5-21

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8 except (jt=length) 22=Mechanical, 24=0-2-8.
(lb) - Max Horz
22=-1667(LC 30)
Max Uplift
All uplift 100 lb or less at joint(s) 17, 22, 24 except 15=-231(LC 28)
Max Grav
All reactions 250 lb or less at joint(s) except 17=3906(LC 28), 15=1039(LC 27), 22=1540(LC 28), 24=480(LC 38)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-2611/55, 3-26=-824/526, 4-26=-817/603, 5-20=0/327, 5-27=-1767/1496, 4-27=-283/69, 5-28=-2617/36, 28-29=-2621/33, 6-29=-2632/31, 6-7=-381/4923, 7-8=-381/4924, 8-9=-56/476, 9-10=-52/479, 10-11=-673/46, 13-23=0/292, 11-23=0/292
BOT CHORD
22-30=-268/2549, 21-30=-268/2549, 21-31=-1085/6246, 20-31=-1085/6246, 19-20=-1108/6725, 19-32=-1108/6725, 18-32=-1108/6725, 18-33=-65/1184, 17-33=-65/1184, 17-34=-2683/284, 16-34=-2683/284, 15-16=-2683/284, 15-35=-136/714, 14-35=-136/714
WEBS
2-21=-254/440, 3-21=-100/1131, 3-5=-1915/130, 5-21=-4428/1483, 5-18=-4429/1307, 6-18=-552/2256, 6-17=-6555/119, 7-17=-347/87, 8-17=-2452/102, 8-15=-634/2427, 9-15=-264/72, 10-15=-1187/181, 11-14=-21/595, 2-22=-2499/66, 11-24=-497/58

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 4-5-11, Interior(1) 4-5-11 to 42-10-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 121.0lb AC unit load placed on the top chord, 16-0-0 from left end, supported at two points, 1-0-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Refer to girder(s) for truss to truss connections.
10) Bearing at joint(s) 24 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 24.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down at 15-6-0, and 61 lb down at 16-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-22=-16(F)
Concentrated Loads (lb)
Vert: 27=1667(F) 28=-61(F) 29=-61(F)
28) Anchor Load #1 DOWN: Lumber Incr
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-7
Concentrated Loads (lb)
Vert: 27=-1667(F) 28=-61(F) 29=-61(
29) Anchor Load #1 LEFT: Lumber Incre
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-7
Concentrated Loads (lb)
Vert: 28=-61(F) 29=-61(F)
Horz: 27=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Incr
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-7
Concentrated Loads (lb)
Vert: 28=-61(F) 29=-61(F)
Horz: 27=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA03-1	Roof Special	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:38 2019 Page 1
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5-1-9	9-9-10	14-9-0	19-6-9	24-7-4	24-10-12
5-1-9	4-8-1	4-11-6	4-9-9	5-0-11	0-3-8

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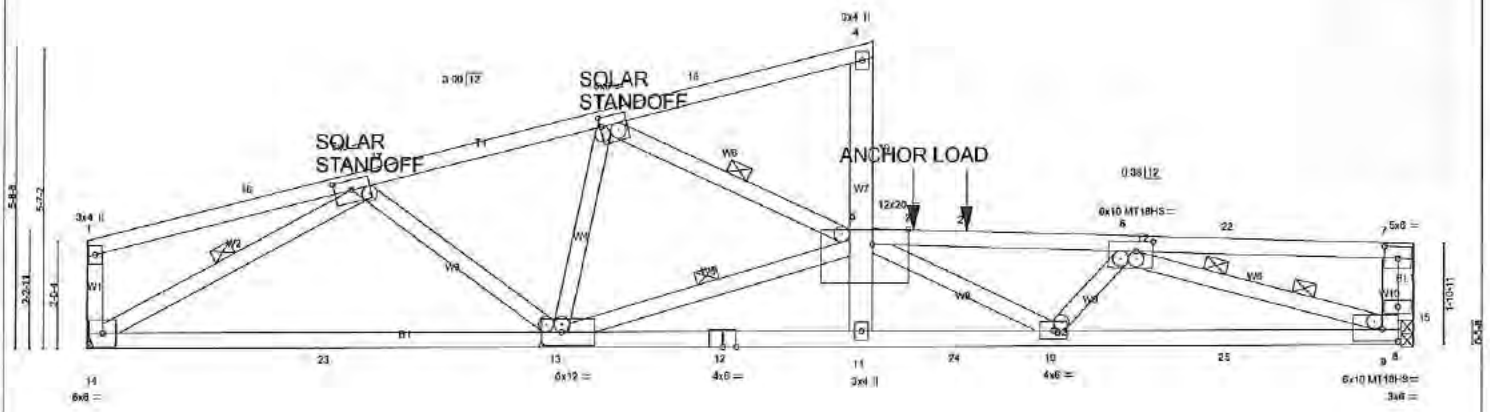
Camber = 5/16 in



8-10-5	14-9-2	18-1-13	24-10-12
8-10-5	5-10-12	3-4-11	6-9-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.87	Vert(LL)	-0.44	11	>676	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.75	11	>396	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.00		n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 131 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T2: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-11-3 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied.
WEBS
1 Row at midpt 3-5, 5-13, 2-14
2 Rows at 1/3 pts 6-9

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
14 = 1194/Mechanical
15 = 1118/0-2-12 (min. 0-1-8)
Max Horz
14 = 6681(LC 28)
15 = -6681(LC 28)
Max Uplift
14 = -42(LC 8)
15 = -21(LC 9)
Max Grav
14 = 2172(LC 31)
15 = 2049(LC 28)

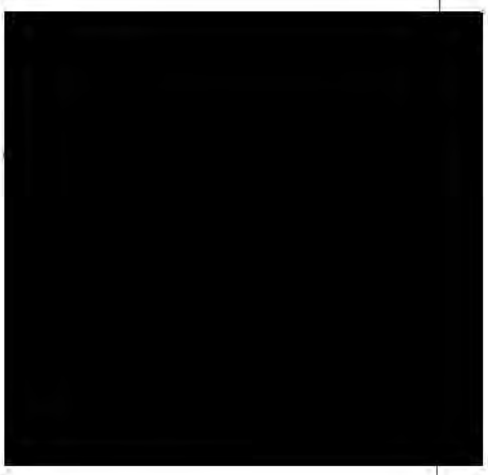
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-17=-3686/5, 3-17=-3576/22, 3-18=-809/574, 4-18=-733/620,
5-11=-32/293, 5-19=-1779/1502, 4-19=-286/66, 5-20=-7576/314,
20-21=-7580/308, 6-21=-7588/306, 6-22=-610/33, 7-22=-617/32
BOT CHORD
14-23=-3834/341, 13-23=-3834/341, 12-13=-1364/2567, 11-12=-1364/2567,
11-24=-1391/2979, 10-24=-1391/2979, 8-9=0/357
WEBS
7-9=0/1842, 2-13=-311/752, 3-13=-196/1843, 3-5=-3324/95,
5-13=-6573/1589, 5-10=-2355/1142, 6-10=-566/1503, 6-9=-6293/79,
2-14=-3747/67, 7-15=-2136/54

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 24-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 121.0lb AC unit load placed on the top chord, 16-0-0 from left end, supported at two points, 1-0-0 apart.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
11) Non Standard bearing condition. Review required.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down at 15-6-0, 61 lb down at 16-6-0, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-6-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-6-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-16(F)
Concentrated Loads (lb)
Vert: 19=1667(F) 20=-61(F) 21=-61(F)
28) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8
Concentrated Loads (lb)
Vert: 19=-1667(F) 20=-61(F) 2
29) Anchor Load #1 LEFT: Lumbe
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8
Concentrated Loads (lb)
Vert: 20=-61(F) 21=-61(F)
Horz: 19=-1667(F)
30) Anchor Load #1 RIGHT: Lumb
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8
Concentrated Loads (lb)
Vert: 20=-61(F) 21=-61(F)
Horz: 19=1667(F)
31) SOLAR STANDOFFS DOWN:
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8
Concentrated Loads (lb)
Vert: 3=-691(F) 17=-691(F) 20
32) SOLAR STANDOFFS UP: Lu
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8
Concentrated Loads (lb)

Continued on page 2

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Vert: 3=433(F) 17=433(F) 20=-61(F) 21=-61(F)
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-16(F)
Concentrated Loads (lb)
Vert: 20=-61(F) 21=-61(F)
Horz: 3=55(F), 17=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-16(F)
Concentrated Loads (lb)
Vert: 20=-61(F) 21=-61(F)
Horz: 3=-55(F), 17=-55(F)



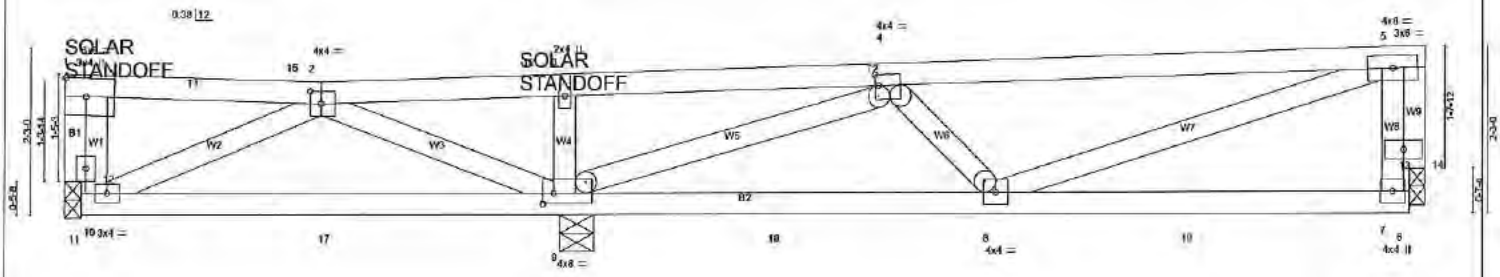
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA03-2	Roof Special	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:39 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-WAw21?sA5w?S3?NWLVJKLyUs9i4vS8ffwZtjjfyOAio

3-5-9	6-9-0	11-1-13	18-1-0	18-4-8
3-5-9	3-3-7	4-4-13	6-11-3	0-3-8

Scale = 1:29.9



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

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.60	Vert(LL) -0.12 9-10 >659 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.16 9-10 >508 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.47	Horz(CT) 0.01 14 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 83 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF Stud/Std G *Except*
B2: 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 9-10.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
1 = 193/0-2-12 (min. 0-1-8)
9 = 977/0-5-8 (min. 0-1-12)
14 = 434/0-2-8 (min. 0-1-8)
Max Horz
1 = -110(LC 34)
Max Uplift
1 = -256(LC 33)
9 = -113(LC 8)
14 = -53(LC 8)
Max Grav
1 = 910(LC 32)
9 = 1651(LC 32)
14 = 484(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-16=-54/374, 3-16=-53/355, 3-4=-50/346, 4-5=-691/62, 7-13=0/300, 5-13=0/300
BOT CHORD
10-12=0/296, 1-12=0/303, 9-18=-115/728, 8-18=-115/728
WEBS
2-9=-558/94, 4-9=-1135/174, 5-8=-40/599, 3-9=-919/149, 5-14=-501/57

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 17-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Bearing at joint(s) 1, 14 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 at joint(s) 1, 14.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 32, 33, 34, 35 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 6-4-6, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 0-1-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
32) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-11=-16(F)
Concentrated Loads (lb)
Vert: 1=-691(F) 16=-691(F)
33) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-11=-16(F)
Concentrated Loads (lb)
Vert: 1=433(F) 16=433(F)
34) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-11=-16(F)
Concentrated Loads (lb)
Horz: 1=55(F), 16=55(F)
35) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-11=-16(F)
Concentrated Loads (lb)
Horz: 1=-55(F), 16=-55(F)

[redacted]

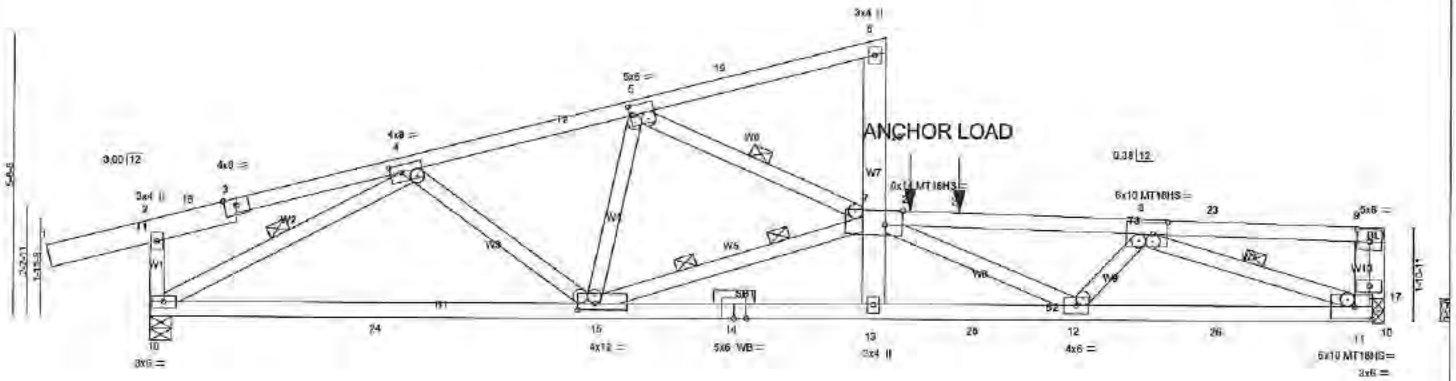
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA04-1	ROOF SPECIAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:40 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-_NUQELtosE7Jg9yiuDqZu91__6NaBTmo8DcHG5yOAln

-2-0-0	5-3-9	10-0-2	15-0-0	20-3-12	24-10-4	25-1-12
2-0-0	5-3-9	4-8-10	4-11-14	5-3-12	4-6-8	0-3-8

Scale = 1:45.1
Camber = 5/16 in



8-11-1	15-0-0	18-10-12	25-1-12
8-11-1	6-0-15	3-10-12	6-3-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	-0.45 13-15	>671	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.75 13-15	>401	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.00	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH						Weight: 139 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T3: 2x4 DF No.1&Btr G, T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-8-14 oc bracing.
WEBS
1 Row at midpt 5-7, 8-11, 4-16
2 Rows at 1/3 pts 7-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
16 = 1358/0-5-8 (min. 0-2-4)
17 = 1119/0-2-12 (min. 0-1-8)
Max Horz
16 = 5450(LC 28)
17 = -5450(LC 28)
Max Uplift
16 = -127(LC 8)
17 = -35(LC 9)
Max Grav
16 = 2082(LC 28)
17 = 2059(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-5=-3593/38, 5-19=-826/542, 6-19=-749/610, 7-13=-11/301,
7-20=-1772/1502, 6-20=-283/66, 7-21=-7060/342, 21-22=-7064/337,
8-22=-7074/334, 8-23=-680/21, 9-23=-689/20, 9-11=-17/1883,
2-16=-410/163
BOT CHORD
16-24=-2597/715, 15-24=-2597/715, 14-15=-1044/3639, 13-14=-1044/3639,
13-25=-1080/4105, 12-25=-1080/4105, 12-26=-36/798, 11-26=-34/801
WEBS
4-15=-294/745, 5-15=-238/1810, 5-7=-3154/117, 7-15=-6346/1662,
7-12=-2747/1182, 8-12=-575/1508, 8-11=-5714/149, 4-16=-3188/59,
9-17=-2129/66

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 24-8-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 100.0lb AC unit load placed on the top chord, 16-0-0 from left end, supported at two points, 1-0-0 apart.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 17.
10) Non Standard bearing condition. Review required.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 50 lb down at 15-6-0, and 50 lb down at 16-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74(F), 11-16=-16(F)
Concentrated Loads (lb)
Vert: 20=1667(F) 21=-50(F) 22=-50(F)
28) Anchor Load #1 down: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74(F), 11-16=-16(F)
Concentrated Loads (lb)
Vert: 20=-1667(F) 21=-50(F) 22=-50
29) Anchor Load #1 LEFT: Lumber Incre
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74
Concentrated Loads (lb)
Vert: 21=-50(F) 22=-50(F)
Horz: 20=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74
Concentrated Loads (lb)
Vert: 21=-50(F) 22=-50(F)
Horz: 20=1667(F)

[redacted]

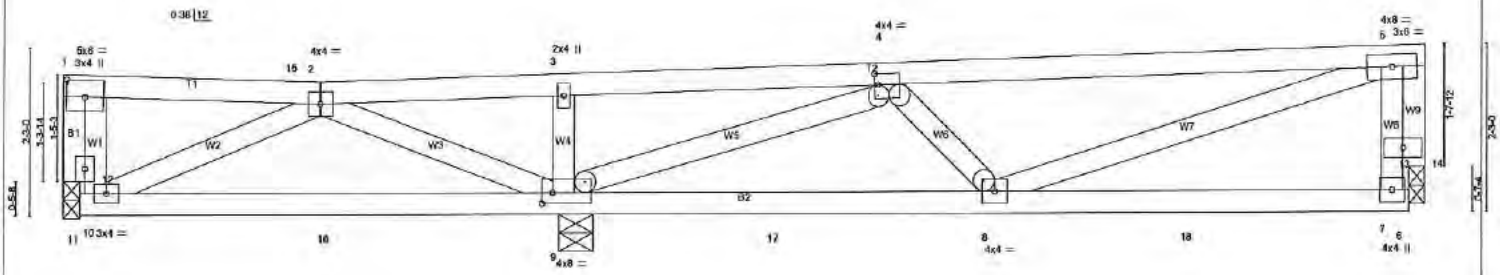
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA04-2	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:41 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-SZ2pRhuRdYFAIJXvSwLoRNaDFVlNw2KxNtMqoXyOAim

3-5-9	6-9-0	11-1-13	18-1-0	18-4-8
3-5-9	3-3-7	4-4-13	6-11-3	0-3-8

Scale = 1:29.9



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

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.56	Vert(LL) -0.12 9-10 >659 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.16 9-10 >508 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.46	Horz(CT) 0.01 14 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 83 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF Stud/Std G *Except*
B2: 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 9-10.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
1 = 193/0-2-12 (min. 0-1-8)
9 = 977/0-5-8 (min. 0-1-8)
14 = 434/0-2-8 (min. 0-1-8)
Max Horz
1 = 16(LC 11)
Max Uplift
1 = -27(LC 12)
9 = -113(LC 8)
14 = -53(LC 8)
Max Grav
1 = 351(LC 23)
9 = 977(LC 1)
14 = 484(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-54/334, 3-4=-50/336, 4-5=-691/62, 7-13=0/300, 5-13=0/300
BOT CHORD
10-12=0/296, 1-12=0/303, 9-17=-115/701, 8-17=-115/701
WEBS
2-9=-476/94, 4-9=-1107/174, 5-8=-40/599, 3-9=-262/70, 5-14=-501/57

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 17-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Bearing at joint(s) 1, 14 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 at joint(s) 1, 14.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA05-1	Roof Special	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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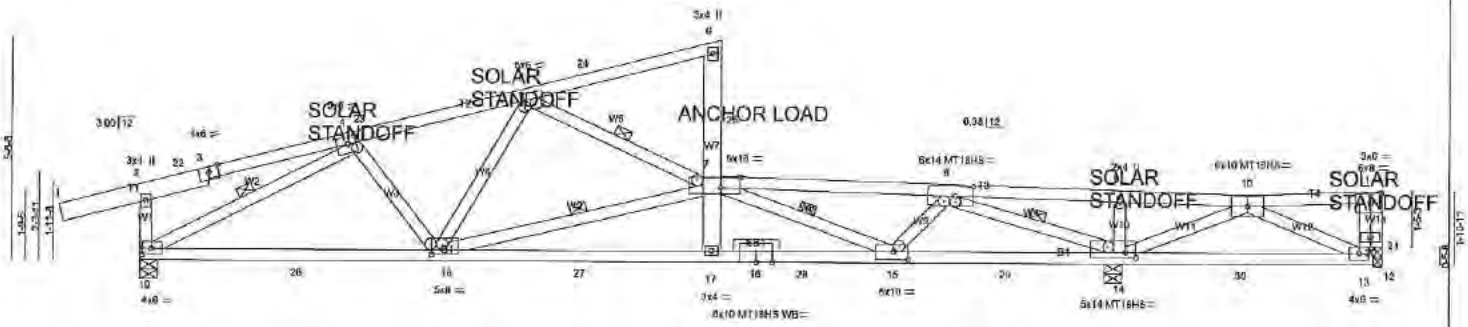
-2-0-0	5-6-1	10-0-11	15-0-0	20-10-15	25-3-12	28-7-5	31-9-4	32-0-12
2-0-0	5-6-1	4-6-10	4-11-5	5-10-15	4-4-13	3-3-9	3-1-15	0-3-8

Scale = 1:57.2
Camber = 5/16 in



7-8-0	19-5-11	25-1-12	25-3-12	32-0-12
7-8-0	11-9-12	5-8-1	0-2-0	6-9-0

Plate Offsets (X,Y)-- [4:0-2-9,0-2-4], [5:0-0-1,0-2-0], [7:0-6-0,0-3-4], [8:0-5-8,0-3-0], [11:0-3-7,0-3-0], [14:0-3-4,0-1-8], [15:0-4-8,0-2-8], [18:0-3-4,0-1-8], [19:0-2-12,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.92	Vert(LL) -0.55 17-18 >549 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.89	Vert(CT) -0.89 17-18 >341 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.92	Horz(CT) 0.19 14 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 171 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-3-10 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-0-1 oc bracing.
WEBS
1 Row at midpt 5-7, 7-18, 7-15, 8-14, 4-19

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
14 = 2103/0-5-8 (min. 0-4-3)
19 = 1161/0-5-8 (min. 0-2-3)
21 = -264/0-2-12 (min. 0-1-8)
Max Horz
19 = 1667(LC 29)
Max Uplift
14 = -194(LC 9)
19 = -157(LC 8)
21 = -922(LC 28)
Max Grav
14 = 3899(LC 28)
19 = 2036(LC 31)
21 = 387(LC 27)

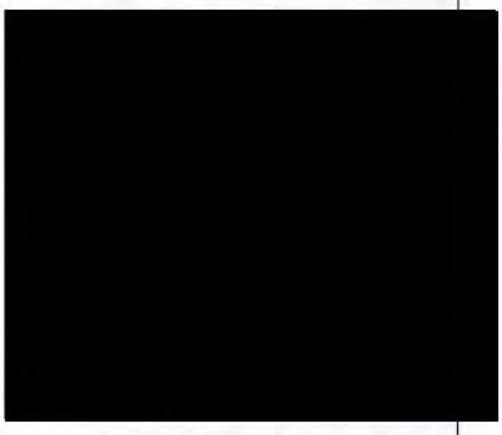
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-23=-3067/100, 5-23=-2892/119, 5-24=-815/543, 6-24=-739/610,
7-17=0/327, 7-25=-1788/1499, 6-25=-282/66, 7-8=-2547/147,
8-9=-565/4716, 9-10=-565/4717, 13-20=-1033/278, 11-20=-1033/278,
2-19=-421/169
BOT CHORD
19-26=-317/2853, 18-26=-317/2853, 18-27=-1344/6090, 17-27=-1344/6090,
16-17=-1392/6508, 16-28=-1392/6508, 15-28=-1392/6508, 15-29=-124/1141,
14-29=-124/1141, 14-30=-2322/591, 13-30=-2322/591
WEBS
4-18=-261/399, 5-18=-159/1130, 5-7=-2574/179, 7-18=-4287/1691,
7-15=-4287/1468, 8-15=-632/2187, 8-14=-6287/377, 9-14=-1023/133,
10-14=-2620/168, 10-13=-513/2377, 4-19=-3187/98, 11-21=-403/951

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 1-1-13, interior(1) 1-1-13 to 31-7-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 31-7-8, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-6-0, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 13-19=-16(F)
Concentrated Loads (lb)
Vert: 25=1667(F)
28) Anchor Load #1 DOWN: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=
Concentrated Loads (lb)
Vert: 25=-1667(F)
29) Anchor Load #1 LEFT: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=
Concentrated Loads (lb)
Horz: 25=-1667(F)
30) Anchor Load #1 RIGHT: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=
Concentrated Loads (lb)
Horz: 25=1667(F)
31) SOLAR STANDOFFS DOWN: Lum
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=
Concentrated Loads (lb)
Vert: 11=-691(F) 5=-691(F) 9=-691(
32) SOLAR STANDOFFS UP: Lumber I
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=
Concentrated Loads (lb)
Vert: 11=433(F) 5=433(F) 9=433(F) 23=433(F)

Continued on page 2

LOAD CASE(S)
Standard Except:
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Horz: 11=55(F), 5=55(F), 9=55(F), 23=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Horz: 11=-55(F), 5=-55(F), 9=-55(F), 23=-55(F)



Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA05-2	ROOF SPECIAL	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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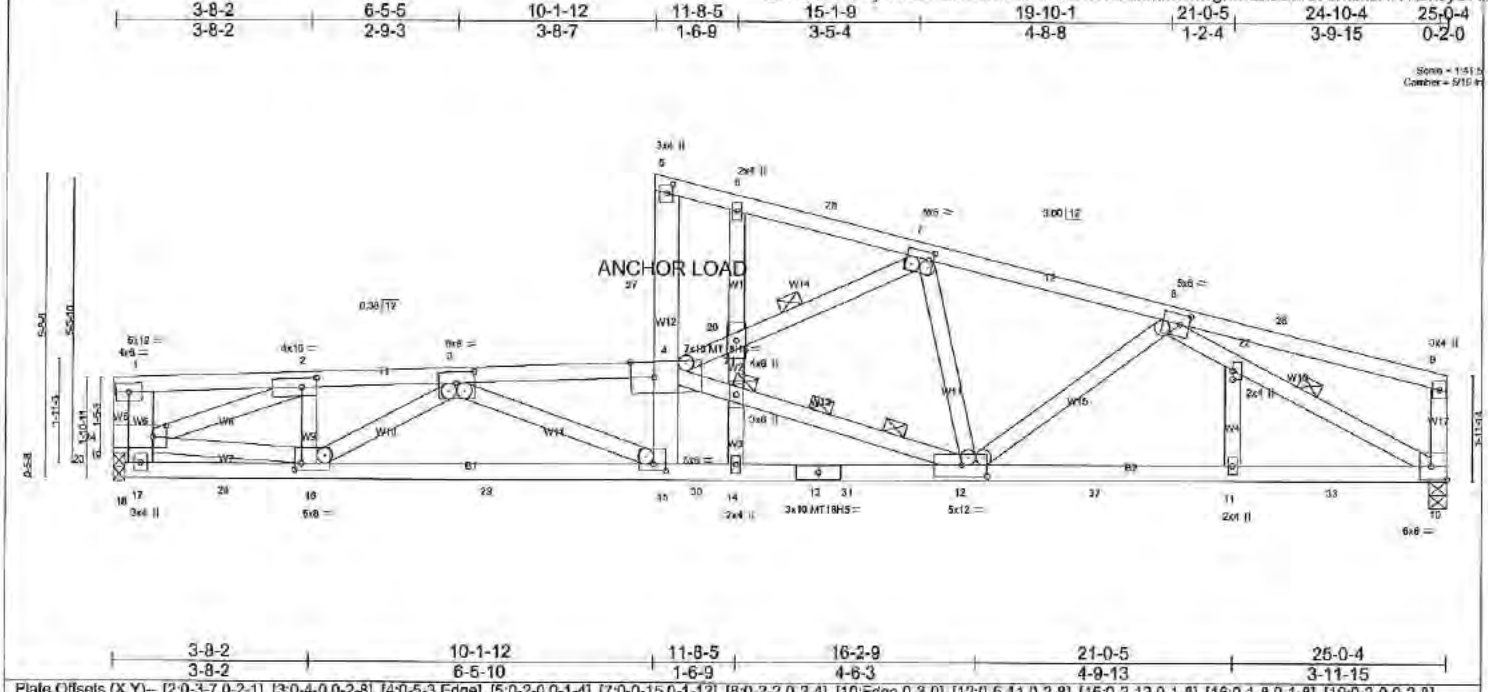

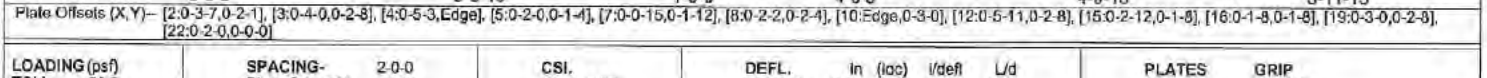

Plate Offsets (X,Y)-- [2:0-3-7,0-2-1], [3:0-4-0,0-2-8], [4:0-5-3,Edge], [5:0-2-0,0-1-4], [7:0-0-15,0-1-12], [8:0-2-2,0-2-4], [10:Edge,0-3-0], [12:0-5-11,0-2-8], [15:0-2-12,0-1-8], [16:0-1-8,0-1-8], [19:0-3-0,0-2-8], [22:0-2-0,0-0-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.83	Vert(LL)	-0.50	15	>597	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.84	Vert(CT)	-0.80	15	>373	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.99	Horz(CT)	0.00		n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 146 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W12,W6: 2x6 DF No.2 G, W8,W16: 2x4 DF No.1&Btr G, W5: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-8-2 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-9-4 oc bracing.
WEBS
1 Row at midpt 4-7, 8-10
3 Rows at 1/4 pts 4-12

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
10 = 1142/0-4-0 (min. 0-2-0)
24 = 1054/0-2-12 (min. 0-1-8)
Max Horz
10 = -4825(LC 56)
24 = 4825(LC 56)
Max Uplift
10 = -1058(LC 38)
24 = -1051(LC 27)
Max Grav
10 = 1866(LC 56)
24 = 1998(LC 56)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
5-6=-771/581, 6-25=-803/582, 7-25=-1245/1162, 7-8=-3482/1093,
8-26=-1261/1249, 9-26=-609/581, 4-15=-1320/1042, 4-27=-1817/1600,
5-27=-582/503, 1-2=-883/783, 2-3=-4846/1591, 3-4=-9433/4272,
17-23=-29/281, 19-23=-431/1583, 1-19=-1030/1869
BOT CHORD
17-28=-1192/262, 16-28=-1192/712, 16-29=-2027/2591, 15-29=-540/2162,
15-30=-2069/4033, 14-30=-1904/4033, 13-14=-1668/4033,
13-31=-1281/4033, 12-31=-1281/4033, 12-32=-2075/870, 11-32=-2075/1501,
11-33=-2075/1597, 10-33=-2772/2463
WEBS
8-12=-723/869, 7-12=-980/1758, 4-20=-2988/1510, 7-20=-3011/1523,
4-21=-6124/1772, 12-21=-6203/1787, 3-15=-2166/2686, 3-16=-2585/1772,
2-19=-4810/2410, 8-22=-3028/1943, 10-22=-3012/1885, 2-16=-735/1324,
16-19=-1211/1591, 14-21=-174/266, 1-24=-2098/1105

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-4 to 3-8-2, Interior(1) 3-8-2 to 10-4-8, Exterior(2) 10-4-8 to 13-4-8, Interior(1) 13-4-8 to 24-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Bearing at joint(s) 24 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 24.
9) Non Standard bearing condition. Review required.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 55, 56, 57, 58 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 25-0-4 for 250.0 plf.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
55) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 5-9=-74(F), 1-4=-74(F), 10-18=-16(F)
Concentrated Loads (lb)
Vert: 27=1667(F)
56) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 5-9=-74(F), 1-4=-74(F), 10-1
Concentrated Loads (lb)
Vert: 27=-1667(F)
57) Anchor Load #1 LEFT: Lumber In
Uniform Loads (plf)
Vert: 5-9=-74(F), 1-4=-74(F), 10-1
Concentrated Loads (lb)
Horz: 27=-1667(F)
58) Anchor Load #1 RIGHT: Lumber I
Uniform Loads (plf)
Vert: 5-9=-74(F), 1-4=-74(F), 10-1
Concentrated Loads (lb)
Horz: 27=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA05-3	ROOF SPECIAL	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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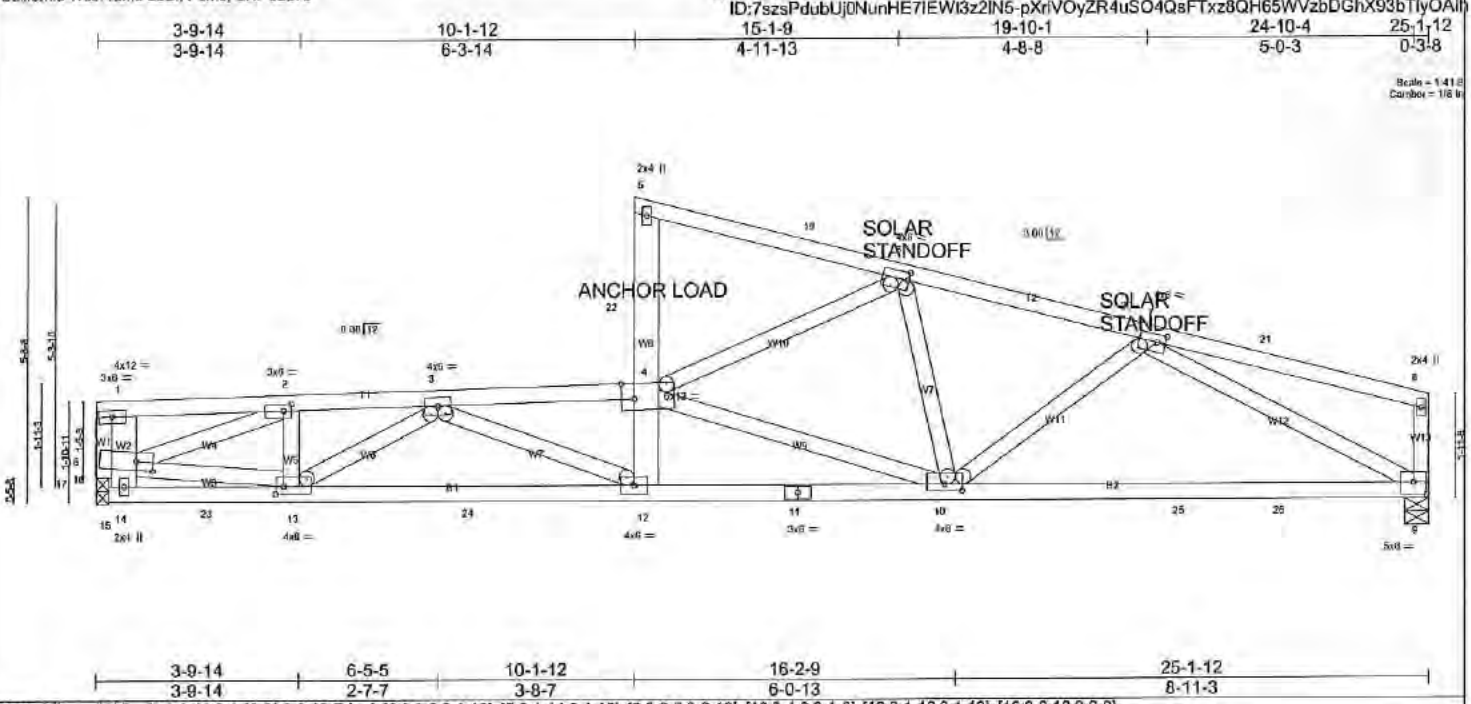


Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [4:0-2-15,Edge], [6:0-0-3,0-1-12], [7:0-1-14,0-1-12], [9:0-3-0,0-2-12], [10:0-4-0,0-1-8], [13:0-1-12,0-1-12], [16:0-3-12,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.43	Vert(LL) -0.25 10-12 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.46	Vert(CT) -0.39 10-12 >756 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.87	Horz(CT) 0.00 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 276 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W8,W2: 2x6 DF No.2 G, W4: 2x4 DF No.1&Btr G, W1,W12: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-3-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 5-8-4 oc bracing.

REACTIONS. (lb/size)
9 = 1148/0-5-8 (min. 0-1-8)
18 = 1060/0-2-12 (min. 0-1-8)
Max Horz
9 = -4836(LC 67)
18 = 5080(LC 48)
Max Uplift
9 = -1025(LC 38)
18 = -1010(LC 27)
Max Grav
9 = 2121(LC 70)
18 = 2007(LC 67)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
5-19=-739/576, 6-19=-1248/1178, 6-20=-3453/756, 7-20=-3650/992,
7-21=-1331/1320, 8-21=-681/637, 4-12=-1087/922, 4-22=-1770/1500,
5-22=-513/469, 1-2=-773/692, 2-3=-4862/2078, 3-4=-9497/4563,
14-17=-28/282, 16-17=-1196/1687, 1-16=-972/1879
BOT CHORD
14-23=-1685/1399, 13-23=-1685/1399, 13-24=-236/2189, 12-24=-236/2189,
11-12=-1836/4203, 10-11=-1836/4203, 10-25=-1992/778, 25-26=-1992/778,
9-26=-5234/4844
WEBS
7-10=-612/804, 6-10=-1034/1798, 4-6=-3300/1605, 4-10=-6342/2024,
3-12=-2046/2715, 3-13=-2611/1681, 2-16=-4824/2812, 7-9=-3741/1991,
2-13=-863/1329, 13-16=-163/1156, 1-16=-2110/1065

NOTES-
1) Special connection required to distribute top chord loads equally between all plies.
2) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-4 to 3-8-2, Interior(1) 3-8-2 to 10-4-8, Exterior(2) 10-4-8 to 13-4-8, Interior(1) 13-4-8 to 25-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
11) Non Standard bearing condition. Review required.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 66, 67, 68, 69, 70, 71, 72, 73 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
15) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 22-1-12 to 25-1-12 for 2095.5 plf.
16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 19-4-10, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 15-4-10 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)
Standard Except:
66) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 5-8=-74(F), 1-4=-74(F), 9-15=-16(F)
Concentrated Loads (lb)
Vert: 22=1667(F)
67) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 5-8=-74(F), 1-4=-74(F), 9-15=
Concentrated Loads (lb)
Vert: 22=-1667(F)
68) Anchor Load #1 LEFT: Lumber Inc
Uniform Loads (plf)
Vert: 5-8=-74(F), 1-4=-74(F), 9-15=
Concentrated Loads (lb)
Horz: 22=-1667(F)
69) Anchor Load #1 RIGHT: Lumber In
Uniform Loads (plf)
Vert: 5-8=-74(F), 1-4=-74(F), 9-15=
Concentrated Loads (lb)
Horz: 22=1667(F)
70) SOLAR STANDOFFS DOWN: Lum
Uniform Loads (plf)
Vert: 5-8=-74(F), 1-4=-74(F), 9-15=
Concentrated Loads (lb)
Vert: 6=-691(F) 20=-691(F)
71) SOLAR STANDOFFS UP: Lumber
Uniform Loads (plf)
Vert: 5-8=-74(F), 1-4=-74(F), 9-15=
Concentrated Loads (lb)
Vert: 6=433(F) 20=433(F)
72) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2

LOAD CASE(S)
Uniform Loads (plf)
Vert: 5-8=-74(F), 1-4=-74(F), 9-15=-16(F)
Concentrated Loads (lb)
Horz: 6=55(F), 20=55(F)
73) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 5-8=-74(F), 1-4=-74(F), 9-15=-16(F)
Concentrated Loads (lb)
Horz: 6=-55(F), 20=-55(F)

[redacted]

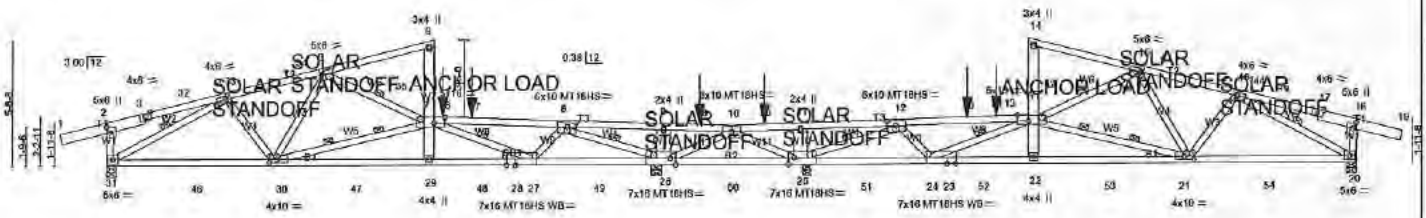
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA06	ROOF SPECIAL	9	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:48 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-IvzSv4zqzh8AeOZFMuzRDrMNdK3L35kz_TYiYdyOAf

59-2-8

2-0-0	5-5-6	10-0-10	15-0-0	20-10-15	25-3-12	28-7-4	31-10-12	36-3-9	42-2-8	47-1-14	51-9-2	56-11-0	57-2-8
2-0-0	5-5-6	4-7-4	4-11-6	5-10-15	4-4-13	3-3-8	3-3-8	4-4-13	5-10-15	4-11-6	4-7-4	5-1-14	0-3-8



7-7-13	15-0-0	19-5-11	25-1-12	25-3-12	31-10-12	32-0-12	37-8-13	42-2-8	49-6-11	57-2-8
7-7-13	7-4-3	4-5-11	5-8-1	0-2-0	6-7-0	0-2-0	5-8-1	4-5-11	7-4-3	7-7-13

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [4:0-1-4,0-1-12], [5:0-0-1,0-2-0], [7:0-6-0,0-3-4], [8:0-4-12,0-2-8], [12:0-4-12,0-2-8], [13:0-6-0,0-3-4], [15:0-0-1,0-2-0], [16:0-1-4,0-1-12], [18:0-3-0,0-1-12], [21:0-5-0,0-1-12], [23:0-0-0,0-1-12], [24:0-4-12,0-0-0], [25:0-3-0,Edge], [26:0-3-0,Edge], [28:0-4-12,0-0-0], [28:0-0-0,0-1-12], [30:0-4-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.57	29-30	>537	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.94	29-30	>322	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.32	20	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 310 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T3: 2x4 DF No.1&Btr G, T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W10: 2x8 DF No.2 G, W1: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-3-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-0-4 oc bracing.
WEBS
1 Row at midpt 5-7, 7-27, 8-26, 12-25, 13-24, 13-15, 4-31, 16-20
2 Rows at 1/3 pts 7-30, 13-21

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8.
(lb) - Max Horz
31=1667(LC 29)
Max Uplift
All uplift 100 lb or less at joint(s) except 26=-198(LC 27), 25=-198(LC 31), 31=-162(LC 8), 20=-160(LC 9)
Max Grav
All reactions 250 lb or less at joint(s) except 26=3519(LC 28), 25=3519(LC 32), 31=2052(LC 35), 20=2083(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-33=-3103/111, 33-34=-2928/120, 5-34=-2861/130, 5-6=-860/643, 7-29=0/324, 7-35=-1764/1498, 6-35=-289/68, 7-36=-2546/177, 36-37=-2550/176, 8-37=-2561/174, 8-9=-410/5184, 9-38=-405/5186, 10-38=-410/5178, 10-39=-412/5175, 11-39=-408/5183, 11-12=-412/5182, 12-40=-2571/183, 40-41=-2563/186, 13-41=-2559/187, 13-22=0/324, 13-42=-1765/1498, 14-42=-291/48, 14-15=-865/652, 15-43=-2777/132, 16-43=-2851/115, 17-18=-287/48, 2-31=-425/191, 18-20=-529/191
BOT CHORD
31-46=-271/2881, 30-46=-271/2881, 30-47=-1192/6168, 29-47=-1192/6168, 29-48=-1231/6624, 28-48=-1231/6624, 27-28=-1231/6624, 27-49=-83/1598, 26-49=-83/1598, 26-50=-3893/172, 25-50=-3893/172, 25-51=-30/1327, 24-51=-30/1327, 23-24=-1248/6606, 23-52=-1248/6606, 22-52=-1248/6606, 22-53=-1211/6149, 21-53=-1211/6149, 21-54=-100/2807, 20-54=-100/2807
WEBS
4-30=-248/408, 5-30=-129/1139, 5-7=-2595/172, 7-30=-4341/1563, 7-27=-4397/1369, 8-27=-575/2256, 8-26=-6725/287, 9-26=-1040/114, 10-26=-1683/1572, 10-25=-1680/1574, 11-25=-1033/118, 12-25=-6744/280, 12-24=-590/2241, 13-24=-4368/1399, 13-15=-2460/190, 13-21=-4326/1578, 15-21=-132/1136, 16-21=-250/407, 4-31=-3213/108, 16-20=-3014/105

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 3-8-0, Interior(1) 3-8-0 to 42-5-4, Exterior(2) 42-5-4 to 48-1-14, Interior(1) 48-1-14 to 59-3-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 16-0-12 from left end, supported at two points, 1-4-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 39-4-12, 38 lb down at 40-8-12, 38 lb down at 27-1-4, 38 lb down at 30-1-4, 38 lb down at 15-4-12, 38 lb down at 16-8-12, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 52-5-6, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 47-5-6, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 31-6-2, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-6-2, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12 on top chord. The design/selection of such connection device(s) is the respons
13) In the LOAD CASE(S) section,
(B).

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lu
Uniform Loads (plf)
Vert: 1-2=-74, 2-6=-74, 7-10=-74
Concentrated Loads (lb)
Vert: 36=-38 37=-38 38=-38(F) 3
27) Anchor Load #1 UP; Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-
20-31=-16(F)
Concentrated Loads (lb)
Vert: 35=1667(F) 36=-38(F) 37
28) Anchor Load #1 DOWN: Lumb
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-
20-31=-16(F)
Concentrated Loads (lb)
Vert: 35=-1667(F) 36=-38(F) 37
29) Anchor Load #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)

Continued on page 2

LOAD CASE(S)
Standard Except:
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F)
Horz: 35=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F)
Horz: 35=1667(F)
31) Anchor Load #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F) 42=1667(F)
32) Anchor Load #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F) 42=-1667(F)
33) Anchor Load #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F)
Horz: 42=-1667(F)
34) Anchor Load #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F)
Horz: 42=1667(F)
35) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 5=-691(F) 9=-691(F) 11=-691(F) 15=-691(F) 33=-691(F) 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F) 44=-691(F)
36) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 5=433(F) 9=433(F) 11=433(F) 15=433(F) 33=433(F) 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F) 44=433(F)
37) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F)
Horz: 5=55(F), 9=55(F), 11=55(F), 15=55(F), 33=55(F), 44=55(F)
38) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 36=-38(F) 37=-38(F) 38=-38(F) 39=-38(F) 40=-38(F) 41=-38(F)
Horz: 5=-55(F), 9=-55(F), 11=-55(F), 15=-55(F), 33=-55(F), 44=-55(F)

[redacted]

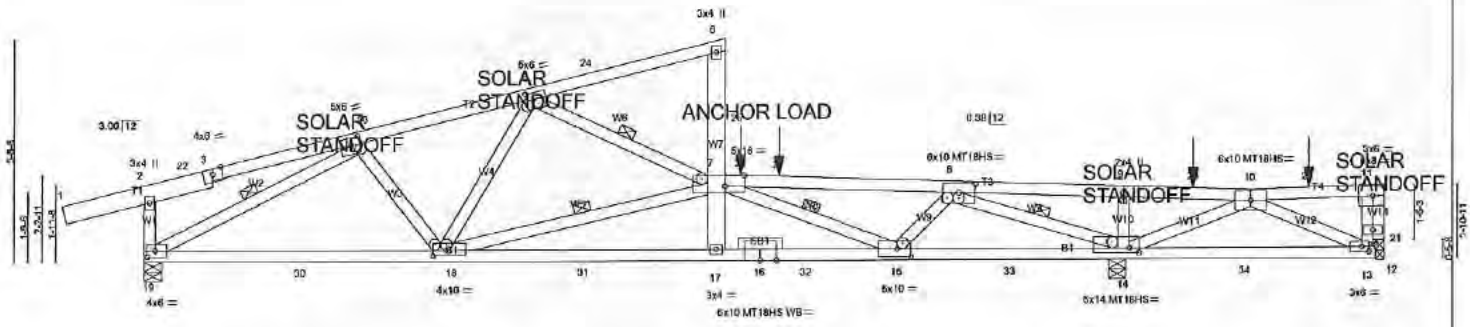
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA06-1	Roof Special	4	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:50 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-hI4CKm?4VJOuthjdUJ0vIGRfr8ImX0xGSm2pcWyOAid

-2-0-0	5-6-1	10-0-11	15-0-0	20-10-15	25-3-12	28-7-5	31-9-4	32-0-12
2-0-0	5-6-1	4-6-10	4-11-5	5-10-15	4-4-13	3-3-9	3-1-15	0-3-8

Scale = 1:57.2
Camber = 3/8 in



7-8-0	19-5-11	25-1-12	25-3-12	32-0-12
7-8-0	11-9-12	5-8-1	0-2-0	6-9-0

Plate Offsets (X,Y)-- [4:0-2-9,0-2-4], [5:0-0-1,0-2-0], [7:0-6-0,0-3-4], [8:0-5-0,0-2-12], [11:0-3-7,0-3-0], [13:0-2-4,0-1-8], [14:0-3-0,0-1-8], [15:0-4-4,0-2-8], [18:0-4-0,0-1-12], [19:0-2-8,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.96	Vert(LL)	-0.55	17-18	>549	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.92	Vert(CT)	-0.92	17-18	>328	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.95	Horz(CT)	0.19	14	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 171 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-3-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-11-15 oc bracing.
WEBS
1 Row at midpt 5-7, 7-18, 7-15, 8-14, 4-19

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
14 = 2233/0-5-8 (min. 0-4-5)
19 = 1180/0-5-8 (min. 0-2-3)
21 = -253/0-2-12 (min. 0-1-8)
Max Horz
19 = -1667(LC 30)
Max Uplift
14 = -63(LC 9)
19 = -138(LC 8)
21 = -908(LC 28)
Max Grav
14 = 4030(LC 28)
19 = 2055(LC 31)
21 = 401(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-23=-3111/56, 5-23=-2935/75, 5-24=-818/540, 6-24=-741/608,
7-17=0/326, 7-25=-1768/1499, 6-25=-281/66, 7-26=-2593/88,
26-27=-2597/87, 8-27=-2608/84, 8-9=-440/4841, 9-28=-436/4842,
10-28=-440/4834, 13-20=-1039/272, 11-20=-1039/272, 2-19=-422/169
BOT CHORD
19-30=-282/2687, 18-30=-282/2887, 18-31=-1201/6234, 17-31=-1201/6234,
16-17=-1229/6672, 16-32=-1229/6672, 15-32=-1229/6672, 15-33=-98/1167,
14-33=-98/1167, 14-34=-2332/581, 13-34=-2332/581
WEBS
4-18=-248/411, 5-18=-133/1156, 5-7=-2606/148, 7-18=-4405/1573,
7-15=-4398/1356, 8-15=-578/2241, 8-14=-6449/215, 9-14=-1041/115,
10-14=-2746/43, 10-13=-494/2397, 4-19=-3226/59, 11-21=-418/936

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) C-C wind load user defined.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 15-4-12, 38 lb down at 16-4-12, 43 lb down at 27-1-4, 43 lb down at 30-1-4, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 31-7-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-6-2 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-6=-74, 7-10=-74, 10-11=-74, 12-19=-16
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-64, 2-6=-64, 7-10=-64, 1
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F
3) Dead + Uninhabitable Attic Without
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 1
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F
4) Dead + 0.6 C-C Wind (Pos. Internal
Uniform Loads (plf)
Vert: 1-2=49, 2-22=24, 6-22=12, 7-1
Horz: 1-2=-68, 2-22=-41, 6-22=-29,
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F
5) Dead + 0.6 C-C Wind (Pos. Internal
Uniform Loads (plf)
Vert: 1-2=7, 2-24=12, 6-24=24, 7-1
Horz: 1-2=-24, 2-24=-29, 6-24=-41,
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F
6) Dead + 0.6 C-C Wind (Neg. Internal
Uniform Loads (plf)

[redacted]

LOAD CASE(S)
Uniform Loads (plf)
Vert: 1-2=-25, 2-6=-48, 7-10=-45, 10-11=-45, 12-19=-16
Horz: 1-2=-9, 2-6=14, 6-7=-14, 7-10=-11, 10-11=11, 13-20=-27, 2-19=-19
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-43, 2-6=-48, 7-10=-45, 10-11=-45, 12-19=-16
Horz: 1-2=9, 2-6=14, 6-7=33, 7-10=-11, 10-11=11, 13-20=19, 2-19=27
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=33, 2-6=21, 7-10=4, 10-11=4, 12-19=-10
Horz: 1-2=-50, 2-6=-37, 6-7=10, 7-10=21, 10-11=-21, 13-20=20, 2-19=15
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=2, 2-6=7, 7-10=21, 10-11=21, 12-19=-10
Horz: 1-2=-19, 2-6=-24, 6-7=-25, 7-10=37, 10-11=-37, 13-20=-15, 2-19=-20
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-6=-7, 7-10=-24, 10-11=-24, 12-19=-16
Horz: 1-2=-32, 2-6=-27, 6-7=31, 7-10=10, 10-11=-10, 13-20=9, 2-19=26
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-15, 2-6=-21, 7-10=-7, 10-11=-7, 12-19=-16
Horz: 1-2=-19, 2-6=-13, 6-7=-4, 7-10=27, 10-11=-27, 13-20=-26, 2-19=-9
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-6=21, 7-10=4, 10-11=4, 12-19=-10
Horz: 1-2=-32, 2-6=-37, 6-7=-43, 7-10=21, 10-11=-21, 13-20=18, 2-19=13
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-1, 2-6=4, 7-10=21, 10-11=21, 12-19=-10
Horz: 1-2=-16, 2-6=-21, 6-7=-27, 7-10=37, 10-11=-37, 13-20=-13, 2-19=-18
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-6=9, 7-10=0, 10-11=0, 12-19=-10
Horz: 1-2=-21, 2-6=-26, 6-7=-31, 7-10=15, 10-11=-16, 13-20=14, 2-19=7
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-6=-0, 7-10=9, 10-11=9, 12-19=-10
Horz: 1-2=-11, 2-6=-16, 6-7=-22, 7-10=26, 10-11=-26, 13-20=-7, 2-19=-14
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-6=-7, 7-10=-24, 10-11=-24, 12-19=-16
Horz: 1-2=-32, 2-6=-27, 6-7=-21, 7-10=10, 10-11=-10, 13-20=7, 2-19=24
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-6=-24, 7-10=-7, 10-11=-7, 12-19=-16
Horz: 1-2=-16, 2-6=-10, 6-7=-5, 7-10=27, 10-11=-27, 13-20=-24, 2-19=-7
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 7-10=-56, 10-11=-56, 12-19=-16
Horz: 1-2=-24, 2-6=-20, 6-7=24, 7-10=8, 10-11=-8, 13-20=7, 2-19=19
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-54, 7-10=-44, 10-11=-44, 12-19=-16
Horz: 1-2=-14, 2-6=-10, 6-7=-3, 7-10=20, 10-11=-20, 13-20=-19, 2-19=-7
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 7-10=-56, 10-11=-56, 12-19=-16
Horz: 1-2=-24, 2-6=-20, 6-7=-16, 7-10=8, 10-11=-8, 13-20=6, 2-19=18
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)

Continued on page 3

Vert: 1-2=-52, 2-6=-56, 7-10=-44, 10-11=-44, 12-19=-16
Horz: 1-2=-12, 2-6=-8, 6-7=-4, 7-10=20, 10-11=-20, 13-20=-18, 2-19=-6
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-6=-74, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-74, 10-11=-74, 12-19=-16
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-64, 2-6=-64, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-64, 10-11=-64, 12-19=-16
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Vert: 25=1667(F) 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

28) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Vert: 25=-1667(F) 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

29) Anchor Load #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)
Horz: 25=-1667(F)

30) Anchor Load #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)
Horz: 25=1667(F)

31) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Vert: 11=-691(F) 5=-691(F) 9=-691(F) 23=-691(F) 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

32) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Vert: 11=433(F) 5=433(F) 9=433(F) 23=433(F) 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)
Horz: 11=55(F), 5=55(F), 9=55(F), 23=55(F)

34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-19=-16(F)
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)
Horz: 11=-55(F), 5=-55(F), 9=-55(F), 23=-55(F)

35) 1st Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F) 30=-250

36) 2nd Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-4

37) 3rd Moving Load: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-4

38) 4th Moving Load: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-4

39) 5th Moving Load: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34
Concentrated Loads (lb)
Vert: 26=-38(F) 27=-38(F) 28=-4

40) 6th Moving Load: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34
Concentrated Loads (lb)
Vert: 13=-250 26=-38(F) 27=-38(

41) 7th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 19=-250 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

42) 8th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 18=-250 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

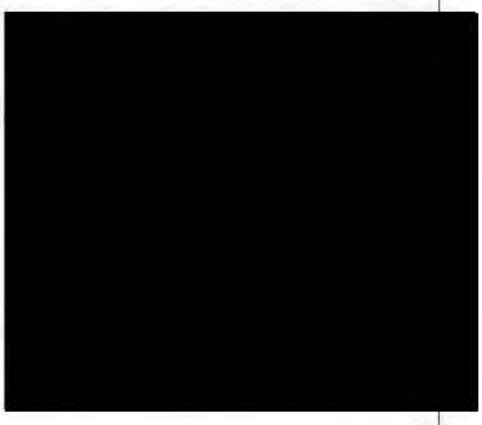
43) 9th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 17=-250 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

44) 10th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 15=-250 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

45) 11th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 14=-250 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

46) 12th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 13=-250 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)

47) 13th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-10=-34, 10-11=-34, 12-19=-16
Concentrated Loads (lb)
Vert: 13=-250 26=-38(F) 27=-38(F) 28=-43(F) 29=-43(F)



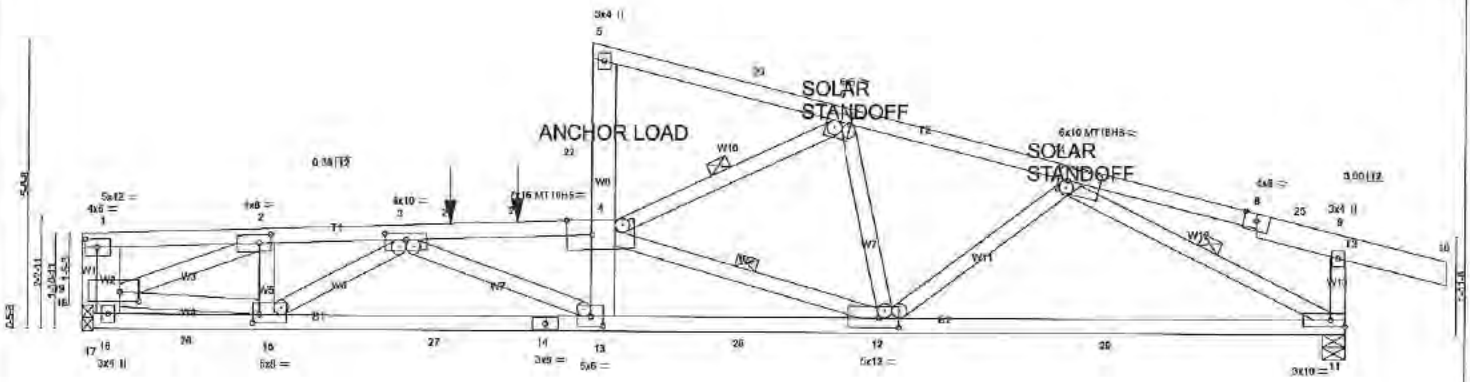
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA06-2	ROOF SPECIAL	4	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:51 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-AUebY57iGcWlVrlq21X8rU_tgX7yGSkQgQnM8yyOAlc

3-8-2	6-5-5	10-1-12	15-1-2	19-8-15	24-10-4	25-1-12	27-1-12
3-8-2	2-9-3	3-8-7	4-11-6	4-7-13	5-1-5	0-3-8	2-0-0

Scale = 1:44.1
Camber = 5/16 in



3-8-2	6-5-5	10-1-12	16-1-11	25-1-12
3-8-2	2-9-3	3-8-7	5-11-15	9-0-1

Plate Offsets (X,Y)-- [1:0-2-12,0-2-0], [2:0-2-12,0-2-0], [3:0-5-0,0-1-8], [4:0-5-15,Edge], [6:0-0-3,0-2-0], [7:0-2-4,0-3-0], [12:0-4-11,0-2-4], [13:0-2-12,0-2-4], [15:0-1-8,0-2-0], [18:0-4-8,0-2-4]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. In (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.76	Vert(LL) -0.50 12-13 >593 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.79	Vert(CT) -0.82 12-13 >363 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.98	Horz(CT) 0.00 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 144 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G *Except*
T3: 2x6 DF No.2 G, T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W8,W2: 2x6 DF No.2 G, W9: 2x4 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
11 = 1340/0-5-8 (min. 0-2-7)
19 = 1102/0-2-12 (min. 0-1-8)
Max Horz
11 = -5138(LC 28)
19 = 5138(LC 28)
Max Uplift
11 = -128(LC 9)
19 = -22(LC 8)
Max Grav
11 = 2312(LC 31)
19 = 2048(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-908/25, 2-3=-5006/64, 3-20=-10126/1624, 20-21=-10129/1623,
4-21=-10130/1622, 4-13=-1287/682, 4-22=-1768/1504, 5-22=-267/49,
5-23=-714/549, 6-23=-790/481, 6-24=-3654/112, 7-24=-3679/93,
9-11=-412/161, 16-18=-32/280, 1-18=-7/1857
BOT CHORD
16-26=-541/137, 15-26=-541/137, 15-27=-100/2101, 14-27=-100/2101,
13-14=-100/2101, 13-28=-1343/4512, 12-28=-1343/4512, 12-29=-2282/605,
11-29=-2282/605
WEBS
4-6=-3355/129, 4-12=-6920/1836, 6-12=-249/1888, 7-12=-311/708,
7-11=-3724/122, 2-15=-207/1553, 3-15=-2696/475, 3-13=-1393/3179,
15-18=-21/414, 2-18=-4398/42, 1-19=-2148/41

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-4 to 3-8-2, Interior(1) 3-8-2 to 10-4-8, Exterior(2) 10-4-8 to 13-4-8, Interior(1) 13-4-8 to 27-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 8-0-0 from left end, supported at two points, 1-4-0 apart.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Bearing at joint(s) 19 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
10) Non Standard bearing condition. Review required.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 7-4-0, 38 lb down at 8-8-0, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 19-4-10, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 15-4-10 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=-74(F), 11-17=-16(F)
Concentrated Loads (lb)
Vert: 20=-38(F) 21=-38(F) 22=1667(F)
28) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=-74(F), 11-17=-16(F)
Concentrated Loads (lb)
Vert: 20=-38(F) 21=-38(F) 22=-16
29) Anchor Load #1 LEFT: Lumber In
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10
Concentrated Loads (lb)
Vert: 20=-38(F) 21=-38(F)
Horz: 22=-1667(F)
30) Anchor Load #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10
Concentrated Loads (lb)
Vert: 20=-38(F) 21=-38(F)
Horz: 22=1667(F)
31) SOLAR STANDOFFS DOWN: Lu
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10
Concentrated Loads (lb)
Vert: 6=-691(F) 20=-38(F) 21=-38
32) SOLAR STANDOFFS UP: Lumbe
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10
Concentrated Loads (lb)
Vert: 6=433(F) 20=-38(F) 21=-38
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)

LOAD CASE(S)
Standard Except:
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=-74(F), 11-17=-16(F)
Concentrated Loads (lb)
Vert: 20=-38(F) 21=-38(F)
Horz: 6=55(F), 24=55(F)

34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=-74(F), 11-17=-16(F)
Concentrated Loads (lb)
Vert: 20=-38(F) 21=-38(F)
Horz: 6=-55(F), 24=-55(F)

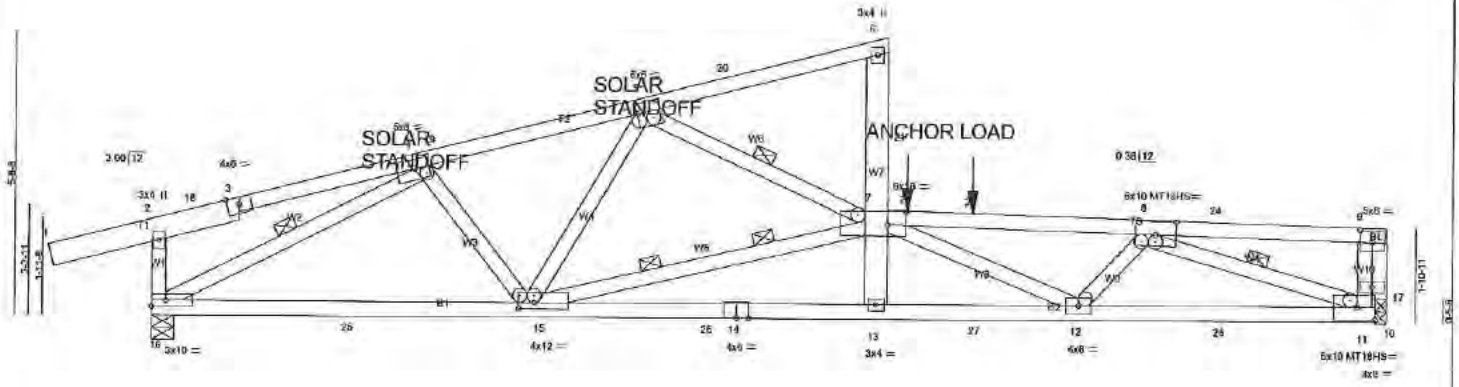
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA06-3	ROOF SPECIAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:52 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-egCzlR0K1wec6?t0bk2NNhX?RxWO?wJZv4XvhPyOAlb

-2-0-0	5-6-1	10-0-11	15-0-0	20-3-12	24-10-4	25-1-12
2-0-0	5-6-1	4-6-10	4-11-5	5-3-12	4-6-8	0-3-8

Scale = 1:45.1
Camber = 0/16 in



7-7-15	15-0-0	18-10-12	25-1-12
7-7-15	7-4-2	3-10-12	6-3-0

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.95	Vert(LL) -0.45 13-15 >670 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.59	Vert(CT) -0.72 13-15 >417 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr YES	WB 0.96	Horz(CT) 0.00 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 139 lb FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T3: 2x4 DF No.1&Btr G, T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5: 2x4 DF No.1&Btr G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-8-5 oc bracing.
WEBS
1 Row at midpt 5-7, 8-11, 4-16
2 Rows at 1/3 pts 7-16

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
16 = 1350/0-5-8 (min. 0-2-8)
17 = 1102/0-2-12 (min. 0-1-8)
Max Horz
16 = 5627(LC 28)
17 = -5627(LC 28)
Max Uplift
16 = -136(LC 8)
17 = -50(LC 9)
Max Grav
16 = 2322(LC 31)
17 = 1996(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-19=-3703/53, 5-19=-3527/72, 5-20=-822/547, 6-20=-745/615, 7-13=0/326, 7-21=-1769/1500, 6-21=-283/66, 7-22=-6873/587, 22-23=-6876/583, 8-23=-6884/581, 8-24=-666/24, 9-24=-675/23, 9-11=-33/1817, 2-16=-421/166
BOT CHORD
16-25=-2772/915, 15-25=-2772/915, 15-26=-1056/3235, 14-26=-1056/3235, 13-14=-1056/3235, 13-27=-1117/3656, 12-27=-1117/3656, 12-28=-55/641, 11-28=-64/644
WEBS
4-15=-284/610, 5-15=-219/1647, 5-7=-3054/155, 7-15=-6602/1961, 7-12=-2656/1261, 8-12=-620/1479, 8-11=-5550/290, 4-16=-3764/56, 9-17=-2065/82

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 24-8-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 16-0-12 from left end, supported at two points, 1-4-0 apart.
4) All plates are MT20 plates unless otherwise indicated.
Continued on page 2

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 17.
10) Non Standard bearing condition. Review required.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12, and 38 lb down at 15-4-12, and 38 lb down at 16-8-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74(F), 10-16=-16(F)
Concentrated Loads (lb)
Vert: 21=1667(F)
28) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=
Concentrated Loads (lb)
Vert: 21=-1667(F)
29) Anchor Load #1 LEFT: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=
Concentrated Loads (lb)
Horz: 21=-1667(F)
30) Anchor Load #1 RIGHT: Lumber I
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=
Concentrated Loads (lb)
Horz: 21=1667(F)
31) SOLAR STANDOFFS DOWN: Lu
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=
Concentrated Loads (lb)
Vert: 5=-691(F) 19=-691(F) 22=-3
32) SOLAR STANDOFFS UP: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=
Concentrated Loads (lb)
Vert: 5=433(F) 19=433(F) 22=-38(F) 23=-38(F)

LOAD CASE(S)
Standard Except:
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74(F), 10-16=-16(F)
Concentrated Loads (lb)
Vert: 22=-38(F) 23=-38(F)
Horz: 5=55(F), 19=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74(F), 10-16=-16(F)
Concentrated Loads (lb)
Vert: 22=-38(F) 23=-38(F)
Horz: 5=-55(F), 19=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA06-4	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:54 2019 Page 1
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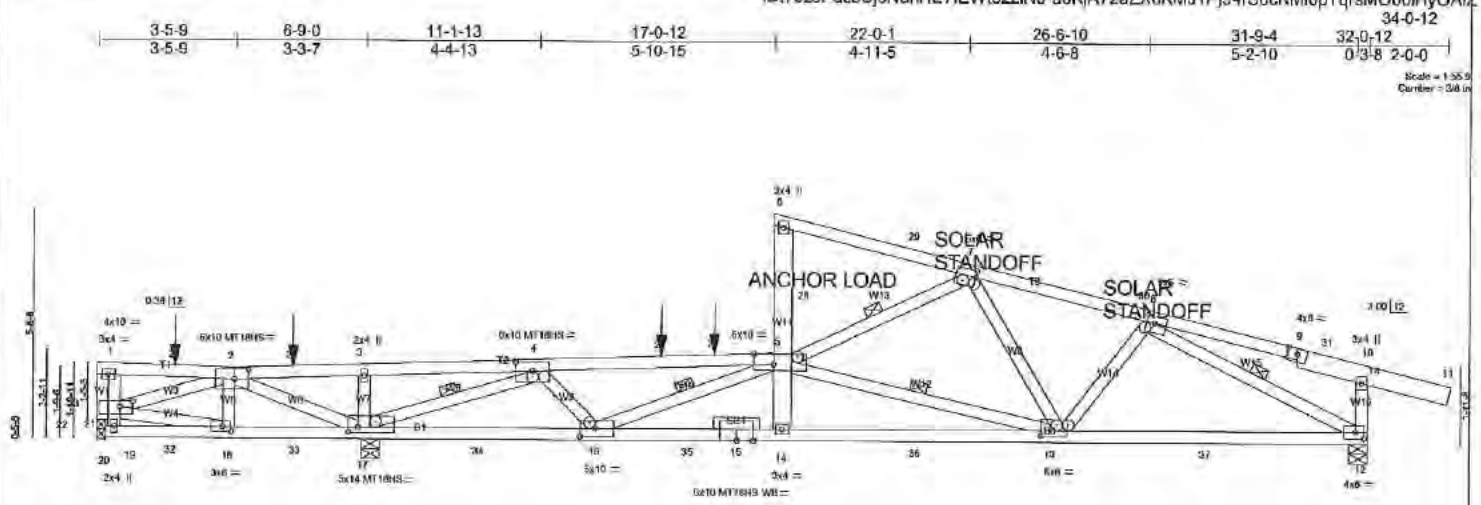

3-3-13	6-9-0	6-11-0	12-7-1	17-0-12	24-4-13	32-0-12
3-3-13	3-5-3	0-2-0	5-8-1	4-5-11	7-4-1	7-7-15

Plate Offsets (X,Y)-- [2:0-4-4,0-3-0], [4:0-5-0,0-2-12], [5:0-6-0,0-3-4], [7:0-0-1,0-2-0], [8:0-2-9,0-2-4], [12:0-2-8,0-2-0], [13:0-3-12,0-1-8], [16:0-4-8,0-2-8], [17:0-3-0,0-1-8], [18:0-2-8,0-1-8], [21:0-3-12,0-1-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.99	Vert(LL) -0.55 13-14 >550 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.91	Vert(CT) -0.89 13-14 >340 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.96	Horz(CT) 0.17 12 n/a n/a	
BCDL 6.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 175 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T4: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W11: 2x6 DF No.2 G, W12: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-0-7 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-0-7 oc bracing.
WEBS
1 Row at midpt 4-17, 5-16, 5-7, 5-13, 8-12

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
17 = 2238/0-5-8 (min. 0-4-3)
12 = 1176/0-5-8 (min. 0-2-3)
23 = -254/0-2-12 (min. 0-1-8)
Max Horz
23 = 1667(LC 29)
Max Uplift
17 = -47(LC 8)
12 = -136(LC 9)
23 = -896(LC 28)
Max Grav
17 = 3921(LC 28)
12 = 2053(LC 31)
23 = 424(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
19-22=-8/279, 21-22=-486/474, 1-21=-1042/284, 2-25=-567/4754, 3-25=-563/4758, 3-4=-567/4757, 4-26=-2527/70, 26-27=-2519/72, 5-27=-2517/74, 5-14=0/325, 5-28=-1768/1499, 6-28=-284/49, 6-29=-749/621, 7-29=-825/553, 7-30=-2924/127, 8-30=-3100/108, 10-12=-422/169
BOT CHORD
19-32=-800/597, 18-32=-800/597, 18-33=-2295/637, 17-33=-2295/637, 17-34=-28/1405, 16-34=-28/1405, 16-35=-1389/6492, 15-35=-1389/6492, 14-15=-1389/6492, 14-36=-1341/6076, 13-36=-1341/6076, 13-37=-99/2880, 12-37=-99/2880
WEBS
2-17=-2696/14, 3-17=-357/89, 4-17=-6304/201, 4-16=-630/2196, 5-16=-4291/1472, 5-7=-2593/152, 5-13=-4276/1688, 7-13=-157/1128, 8-13=-261/396, 8-12=-3212/105, 2-18=-70/392, 18-21=-1937/490, 2-21=-546/2354, 1-23=-438/924

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) C-C wind load user defined.
4) 75.0lb/AC wall load placed on the top chord, 14-11-0 from left end, supported at two points, 1-4-0.

Continued on page 2

5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) Bearing at joint(s) 23 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 23.
12) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 43 lb down at 1-11-8, 43 lb down at 4-11-8, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 26-3-10, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 22-3-10, and 38 lb down at 14-3-0, and 38 lb down at 15-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-5=-74, 6-10=-74, 10-
Concentrated Loads (lb)
Vert: 24=-43(F) 25=-43(F) 26=-38 27-
2) Dead + 0.75 Roof Live (balanced): Lu
Uniform Loads (plf)
Vert: 1-2=-64, 2-5=-64, 6-10=-64, 10-
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38
3) Dead + Uninhabitable Attic Without S
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38
4) Dead + 0.6 C-C Wind (Pos. Internal)
Uniform Loads (plf)
Vert: 1-22=-16, 1-2=21, 2-5=15, 6-29=
Horz: 1-19=16, 1-2=38, 2-5=-32, 5-6=
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38
5) Dead + 0.6 C-C Wind (Pos. Internal)
Uniform Loads (plf)
Vert: 1-22=30, 1-2=15, 2-5=15, 6-31=
Horz: 1-19=-30, 1-2=-32, 2-5=-32, 5-6=
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

LOAD CASE(S)

6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=19, 1-2=-45, 2-5=-45, 6-10=-48, 10-11=-43, 12-20=-16
Horz: 1-19=-19, 1-2=-11, 2-5=11, 5-6=33, 6-10=-14, 10-11=-9, 10-12=-27
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=-27, 1-2=-45, 2-5=-45, 6-10=-48, 10-11=-25, 12-20=-16
Horz: 1-19=27, 1-2=-11, 2-5=11, 5-6=-14, 6-10=-14, 10-11=9, 10-12=19
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=-15, 1-2=21, 2-5=21, 6-10=7, 10-11=2, 12-20=-10
Horz: 1-19=15, 1-2=37, 2-5=-37, 5-6=-25, 6-10=24, 10-11=19, 10-12=20
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=20, 1-2=4, 2-5=4, 6-10=21, 10-11=33, 12-20=-10
Horz: 1-19=-20, 1-2=21, 2-5=-21, 5-6=10, 6-10=37, 10-11=50, 10-12=-15
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=-26, 1-2=-7, 2-5=-7, 6-10=-21, 10-11=-15, 12-20=-16
Horz: 1-19=26, 1-2=27, 2-5=-27, 5-6=-4, 6-10=13, 10-11=19, 10-12=9
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=9, 1-2=-24, 2-5=-24, 6-10=-7, 10-11=-2, 12-20=-16
Horz: 1-19=-9, 1-2=10, 2-5=-10, 5-6=31, 6-10=27, 10-11=32, 10-12=-26
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=-13, 1-2=21, 2-5=21, 6-10=4, 10-11=-1, 12-20=-10
Horz: 1-19=13, 1-2=37, 2-5=-37, 5-6=-27, 6-10=21, 10-11=16, 10-12=18
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=18, 1-2=4, 2-5=4, 6-10=21, 10-11=15, 12-20=-10
Horz: 1-19=-18, 1-2=21, 2-5=-21, 5-6=-43, 6-10=37, 10-11=32, 10-12=-13
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=-7, 1-2=9, 2-5=9, 6-10=-0, 10-11=-6, 12-20=-10
Horz: 1-19=7, 1-2=26, 2-5=-26, 5-6=-22, 6-10=16, 10-11=11, 10-12=14
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=14, 1-2=-0, 2-5=-0, 6-10=9, 10-11=4, 12-20=-10
Horz: 1-19=-14, 1-2=16, 2-5=-16, 5-6=-31, 6-10=26, 10-11=21, 10-12=-7
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=-24, 1-2=-7, 2-5=-7, 6-10=-24, 10-11=-18, 12-20=-16
Horz: 1-19=24, 1-2=27, 2-5=-27, 5-6=-5, 6-10=10, 10-11=16, 10-12=7
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=7, 1-2=-24, 2-5=-24, 6-10=-7, 10-11=-2, 12-20=-16
Horz: 1-19=-7, 1-2=10, 2-5=-10, 5-6=-21, 6-10=27, 10-11=32, 10-12=-24
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=-19, 1-2=-44, 2-5=-44, 6-10=-54, 10-11=-50, 12-20=-16
Horz: 1-19=19, 1-2=20, 2-5=-20, 5-6=-3, 6-10=10, 10-11=14, 10-12=7
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=7, 1-2=-56, 2-5=-56, 6-10=-44, 10-11=-40, 12-20=-16
Horz: 1-19=-7, 1-2=8, 2-5=-8, 5-6=24, 6-10=20, 10-11=24, 10-12=-19
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=-18, 1-2=-44, 2-5=-44, 6-10=-56, 10-11=-52, 12-20=-16
Horz: 1-19=18, 1-2=20, 2-5=-20, 5-6=-4, 6-10=8, 10-11=12, 10-12=6
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-22=6, 1-2=-56, 2-5=-56, 6-10=-44, 10-11=-40, 12-20=-16
Horz: 1-19=-6, 1-2=8, 2-5=-8, 5-6=-16, 6-10=20, 10-11=24, 10-12=-18
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-5=-74, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-74, 10-11=-74, 12-20=-16
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-64, 2-5=-64, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-64, 10-11=-64, 12-20=-16
Concentrated Loads (lb)
Vert: 24=-43(F) 26=-38 27=-38

27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-20=-16(F)
Concentrated Loads (lb)
Vert: 24=-43(F) 28=1667(F)

28) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-20=-16(F)
Concentrated Loads (lb)
Vert: 24=-43(F) 28=-1667(F)

29) Anchor Load #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-20=-16(F)
Concentrated Loads (lb)
Vert: 24=-43(F)
Horz: 28=-1667(F)

30) Anchor Load #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-20=-16(F)
Concentrated Loads (lb)
Vert: 24=-43(F)
Horz: 28=1667(F)

31) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-20=-16(F)
Concentrated Loads (lb)
Vert: 7=-691(F) 24=-43(F) 25=-43(F) 26=-38(F) 27=-38(F) 30=-691(F)

32) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-20=-16(F)
Concentrated Loads (lb)
Vert: 7=433(F) 24=-43(F) 25=-43(F) 26=-38(F) 27=-38(F) 30=433(F)

33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-20=-16(F)
Concentrated Loads (lb)
Vert: 24=-43(F) 25=-43(F) 26=-38(F) 27=-38(F)
Horz: 7=55(F), 30=55(F)

34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-20=-16(F)
Concentrated Loads (lb)
Vert: 24=-43(F) 25=-43(F) 26=-38(F) 27=-38(F)
Horz: 7=-55(F), 30=-55(F)

35) 1st Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 20=-250 24=-43(F) 25=-43(F) 26=-38 27=-38

36) 2nd Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34
Concentrated Loads (lb)
Vert: 24=-43(F) 25=-43(F) 26=-3

37) 3rd Moving Load: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34
Concentrated Loads (lb)
Vert: 24=-43(F) 25=-43(F) 26=-3

38) 4th Moving Load: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34
Concentrated Loads (lb)
Vert: 24=-43(F) 25=-43(F) 26=-3

39) 5th Moving Load: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34
Concentrated Loads (lb)
Vert: 24=-43(F) 25=-43(F) 26=-3

40) 6th Moving Load: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34
Concentrated Loads (lb)
Vert: 24=-43(F) 25=-43(F) 26=-38 27=-38 36=-250

41) 7th Moving Load: Lumber Increase=2.00, Plate Increase=2.00

Continued on page 3

LOAD CASE(S)
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 24=-43(F) 25=-43(F) 26=-38 27=-38 37=-250
42) 8th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 20=-250 24=-43(F) 25=-43(F) 26=-38 27=-38
43) 9th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 20=-250 24=-43(F) 25=-43(F) 26=-38 27=-38
44) 10th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 18=-250 24=-43(F) 25=-43(F) 26=-38 27=-38
45) 11th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 17=-250 24=-43(F) 25=-43(F) 26=-38 27=-38
46) 12th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 16=-250 24=-43(F) 25=-43(F) 26=-38 27=-38
47) 13th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 14=-250 24=-43(F) 25=-43(F) 26=-38 27=-38
48) 14th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 13=-250 24=-43(F) 25=-43(F) 26=-38 27=-38
49) 15th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-5=-34, 6-10=-34, 10-11=-34, 12-20=-16
Concentrated Loads (lb)
Vert: 12=-250 24=-43(F) 25=-43(F) 26=-38 27=-38

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA07	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:57 2019 Page 1
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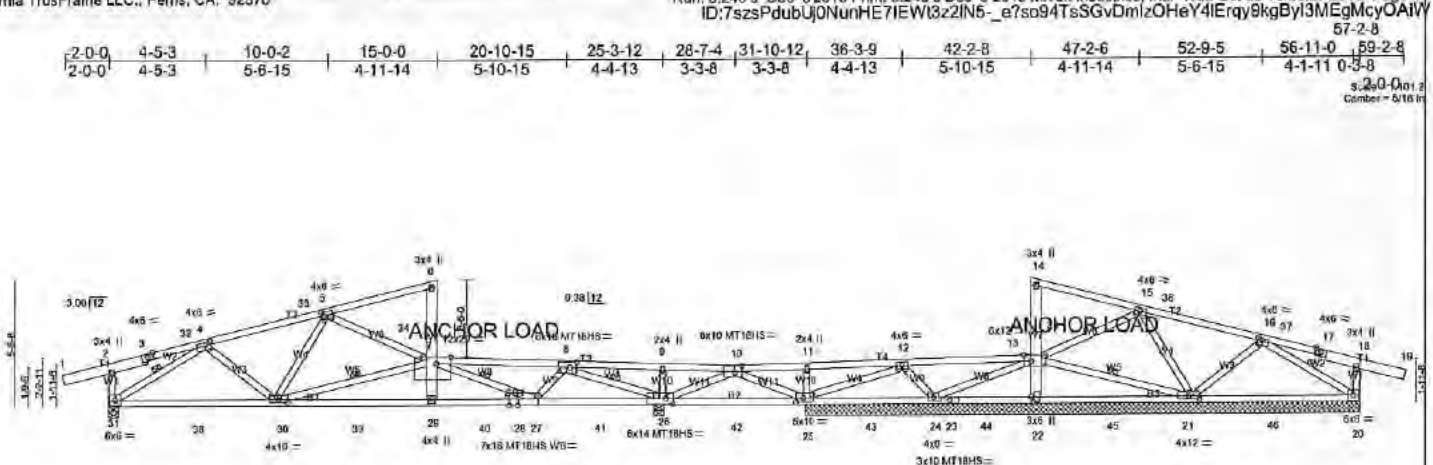


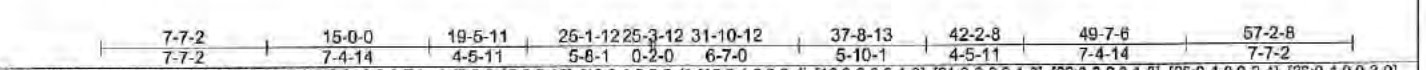


Plate Offsets (X,Y)-- [4:0-3-0,0-1-12], [5:0-0-15,0-1-12], [7:0-8-0,Edge], [8:0-3-12,0-2-12], [10:0-4-0,0-3-4], [13:0-4-0,0-3-4], [16:0-2-8,0-1-8], [21:0-6-0,0-1-8], [22:0-3-0,0-1-8], [25:0-4-0,0-2-4], [26:0-4-0,0-3-0], [28:0-0-0,0-1-12], [28:0-5-0,0-0-0], [30:0-5-0,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.97	Vert(LL)	-0.51	29-30	>589	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.83	Vert(CT)	-0.82	29-30	>366	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.93	Horz(CT)	0.24	20	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 306 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G, T3: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G *Except*
B3: 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W11,W2: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 2-5-10 oc bracing.
WEBS
1 Row at midpt 7-30, 7-27, 8-26, 13-21, 4-31, 16-20

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 25-4-8 except (jt=length) 26=0-5-8, 31=0-5-8.
(lb) - Max Horz
31=1667(LC 57)
Max Uplift
All uplift 100 lb or less at joint(s) except 22=-1636(LC 29), 26=-1488(LC 27), 25=-644(LC 30), 24=-179(LC 29), 21=-665(LC 38), 31=-1597(LC 27), 20=-1534(LC 30)
Max Grav
All reactions 250 lb or less at joint(s) except 22=2068(LC 60), 26=3847(LC 56), 25=706(LC 55), 24=655(LC 61), 21=968(LC 47), 31=2044(LC 48), 20=1683(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
3-32=-913/902, 4-32=-1105/1103, 4-33=-2944/1996, 5-33=-2491/832, 5-6=-1385/1293, 7-29=0/327, 7-34=-1762/1509, 6-34=-499/471, 7-8=-3049/2322, 8-9=-4808/5989, 9-10=-5638/6781, 10-11=-2363/2446, 11-12=-3460/3507, 12-13=-3724/3826, 13-22=-1983/1697, 13-35=-1811/1622, 14-35=-539/485, 14-15=-1363/1321, 15-36=-799/856, 16-36=-2041/2077, 16-37=-1056/1089, 17-37=-864/881, 17-18=-319/212, 2-31=-357/180, 18-20=-330/224
BOT CHORD
31-38=-2434/3043, 30-38=-2434/3043, 30-39=-4205/6110, 29-39=-4205/6110, 29-40=-4349/6510, 28-40=-4349/6510, 27-28=-4349/6510, 27-41=-2847/3239, 26-41=-2847/3239, 26-42=-4039/3489, 25-42=-4039/3489, 25-43=-6545/6620, 24-43=-4581/3657, 23-24=-4614/4651, 23-44=-3289/3325, 22-44=-2229/2736, 22-45=-2126/2165, 21-45=-1781/1821, 21-46=-2202/2295, 20-46=-2168/2315
WEBS
4-30=-987/1187, 5-30=-501/1077, 5-7=-1937/787, 7-30=-4296/1701, 7-27=-4276/1467, 8-27=-634/2188, 8-26=-6280/1549, 9-26=-363/153, 10-26=-2620/1962, 10-25=-2533/3136, 11-25=-274/113, 12-25=-1238/1140, 12-24=-733/594, 13-24=-1294/1267, 13-15=-624/639, 13-21=-3012/3080, 15-21=-742/573, 16-21=-1320/1179, 4-31=-3432/2680, 16-20=-2647/2599

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 3-8-0, Interior(1) 3-8-0 to 42-5-4, Exterior(2) 42-5-4 to 48-1-14, Interior(1) 48-1-14 to 59-3-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 55, 56, 57, 58, 59, 60, 61, 62 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 31-10-0 to 57-2-8 for 563.6 plf.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) , The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
55) ANCHOR LOAD #1 UP: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=
20-31=-16(F)
Concentrated Loads (lb)
Vert: 34=1667(F)
56) ANCHOR LOAD #1 DOWN: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=
20-31=-16(F)
Concentrated Loads (lb)
Vert: 34=-1667(F)
57) ANCHOR LOAD #1 LEFT: Lumber
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=
20-31=-16(F)
Concentrated Loads (lb)
Horz: 34=-1667(F)
58) ANCHOR LOAD #1 RIGHT: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=
20-31=-16(F)
Concentrated Loads (lb)

Continued on page 2

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Horz: 34=1667(F)
59) ANCHOR LOAD #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 35=1667(F)
60) ANCHOR LOAD #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 35=-1667(F)
61) ANCHOR LOAD #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Horz: 35=-1667(F)
62) ANCHOR LOAD #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Horz: 35=1667(F)

[redacted]

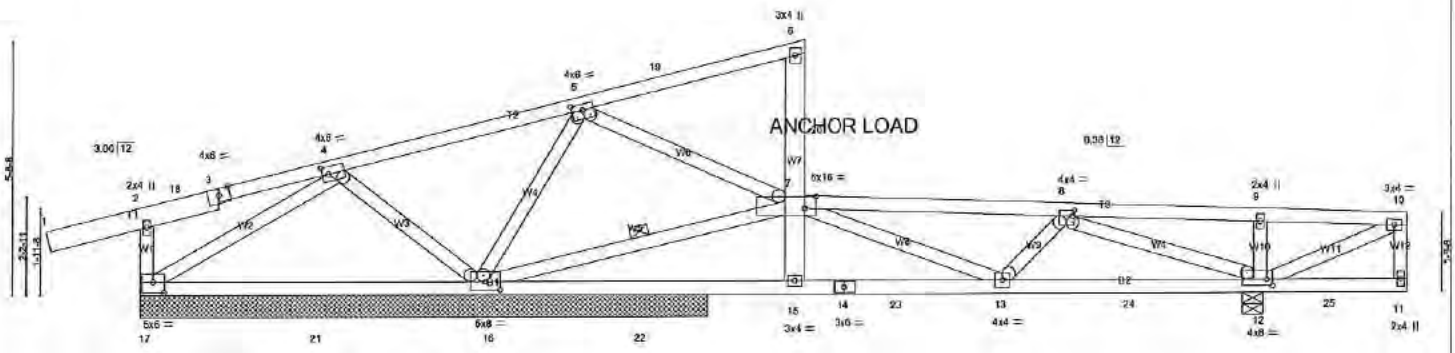
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA07-1	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:55:58 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-SqZE0V55dmOmrwKAy79ndyn6EMZZPd1SH0_Eu2yOAiV

-2-0-0	4-5-3	10-0-2	15-0-0	20-10-15	25-3-12	28-3-12	28-7-4
2-0-0	4-5-3	5-6-15	4-11-14	5-10-15	4-4-13	3-0-0	0-3-8

Scale = 1:50.0
Camber = 1/8 in



7-7-2	15-0-0	19-5-11	25-3-12	25-7-8	28-7-4
7-7-2	7-4-14	4-5-11	5-10-1	0-0-12	3-2-12

Plate Offsets (X,Y)-- [4:0-1-11,0-2-0], [5:0-3-0,0-1-8], [7:0-3-0,0-3-4], [8:0-0-8,0-1-8], [12:0-1-8,0-1-12], [16:0-4-0,0-2-4], [17:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.61	Vert(LL)	-0.26	16-17	>360	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.60	Vert(CT)	-0.37	16-17	>253	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.94	Horz(CT)	0.04	12	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 153 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-4-2 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-7-1 oc bracing.
WEBS
1 Row at midpt 7-16

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
16 = 1760/12-9-12 (min. 0-3-7)
12 = 884/0-5-8 (min. 0-1-8)
17 = 67/12-9-12 (min. 0-3-7)
Max Horz
17 = -1667(LC 41)
Max Uplift
16 = -503(LC 38)
12 = -173(LC 9)
17 = -801(LC 39)
Max Grav
16 = 4022(LC 39)
12 = 1157(LC 39)
17 = 934(LC 38)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-5=-915/2962, 5-19=-769/617, 6-19=-723/685, 7-15=0/331,
7-20=-1782/1510, 6-20=-286/65, 7-8=-1730/88, 8-9=-150/575,
9-10=-153/575, 10-11=-50/253, 2-17=-338/158
BOT CHORD
17-21=-1781/852, 16-21=-1781/852, 16-22=-875/1779, 15-22=-875/1779,
14-15=-921/2035, 14-23=-921/2035, 13-23=-921/2035, 13-24=-143/1555,
12-24=-143/1555
WEBS
4-16=-1323/182, 5-16=-2298/194, 5-7=-883/2083, 7-16=-3695/1690,
7-13=-338/938, 8-13=-368/260, 8-12=-1858/198, 9-12=-289/77,
10-12=-627/170, 4-17=-984/2081

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 28-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) Load case(s) 38, 39, 40, 41 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
38) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 11-17=-16(F)
Concentrated Loads (lb)
Vert: 20=1667(F)
39) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 11-17=-16(F)
Concentrated Loads (lb)
Vert: 20=-1667(F)
40) Anchor Load #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 11-17=-16(F)
Concentrated Loads (lb)
Horz: 20=-1667(F)
41) Anchor Load #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-7
Concentrated Loads (lb)
Horz: 20=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA07-2	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:00 2019 Page 1
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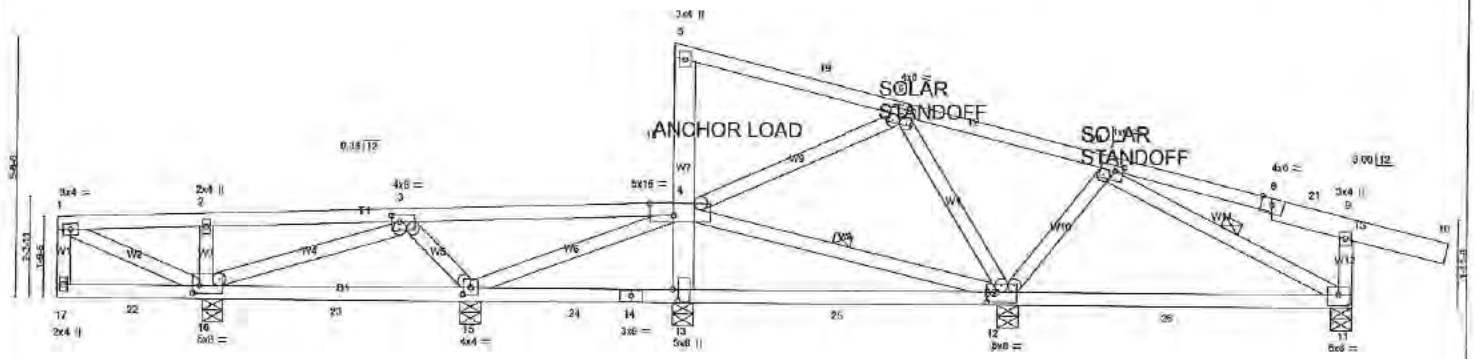
3-3-12	7-8-9	13-7-4	18-7-2	23-2-8	28-3-12	28-7-4	30-7-4
3-3-12	4-4-13	5-10-12	4-11-14	4-7-6	5-1-5	0-3-8	2-0-0

Scale = 1:48.9
Camber = 1/8 in



3-2-12	3-3-12	9-1-13	13-7-4	21-0-3	28-7-4
3-2-12	0-1-0	5-10-1	4-5-8	7-4-14	7-7-2

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.85	Vert(LL)	-0.26	11-12	>361	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.37	11-12	>249	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.79	Horz(CT)	-0.02	16	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 154 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-5-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-6-11 oc bracing.
WEBS
1 Row at midpt 4-12, 7-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8.
(lb) - Max Horz
11=1667(LC 57)
Max Uplift
All uplift 100 lb or less at joint(s) 15 except 13=-1246(LC 29), 16=-774(LC 27), 12=-908(LC 30), 11=-1055(LC 30)
Max Grav
All reactions 250 lb or less at joint(s) except 13=2087(LC 56), 16=960(LC 48), 15=505(LC 66), 12=1917(LC 70), 11=1225(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-17=-58/255, 1-2=-863/867, 2-3=-1959/1968, 3-4=-1391/1414, 4-13=-1978/1300, 4-18=-1821/1511, 5-18=-538/480, 5-19=-742/810, 6-19=-1323/1285, 6-20=-781/1025, 7-20=-835/941, 7-8=-1312/1333, 8-21=-423/390, 9-11=-407/208
BOT CHORD
16-23=-1621/1669, 15-23=-831/784, 15-24=-1787/1774, 14-24=-790/983, 13-14=-599/776, 13-25=-204/507, 12-25=-1478/1472, 12-26=-875/1090, 11-26=-1747/1774
WEBS
2-16=-273/98, 3-15=-985/860, 4-15=-1542/1492, 4-6=-1338/1334, 4-12=-1176/1203, 6-12=-1329/1171, 7-12=-993/716, 1-16=-640/203, 3-16=-1908/1832, 7-11=-1950/1893

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-3-12, Interior(1) 3-3-12 to 13-10-0, Exterior(2) 13-10-0 to 16-10-0, Interior(1) 16-10-0 to 30-7-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) Load case(s) 55, 56, 57, 58, 70, 71, 72, 73 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 3-2-12 to 28-7-4 for 281.8 plf.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 22-10-2, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 18-10-2 on top chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
55) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=-74(F), 16-17=-16(F), 12-15=-16(F)
Concentrated Loads (lb)
Vert: 18=1667(F)
56) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=-74(F), 16-17=-16(F), 12-15=-16(F)
Concentrated Loads (lb)
Vert: 18=-1667(F)
57) Anchor Load #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=-74(F), 16-17=-16(F), 12-15=-16(F)
Concentrated Loads (lb)
Horz: 18=-1667(F)
58) Anchor Load #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=
Concentrated Loads (lb)
Horz: 18=1667(F)
70) SOLAR STANDOFFS DOWN: Lum
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=
Concentrated Loads (lb)
Vert: 6=-691(F) 20=-691(F)
71) SOLAR STANDOFFS UP: Lumber
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=
Concentrated Loads (lb)
Vert: 6=433(F) 20=433(F)
72) SOLAR STANDOFFS RIGHT: Lum
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=
Concentrated Loads (lb)
Horz: 6=55(F), 20=55(F)
73) SOLAR STANDOFFS LEFT: Lumb
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-9=-74(F), 9-10=
Concentrated Loads (lb)
Horz: 6=-55(F), 20=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA08	ROOF SPECIAL	2	2	Job Reference (optional)

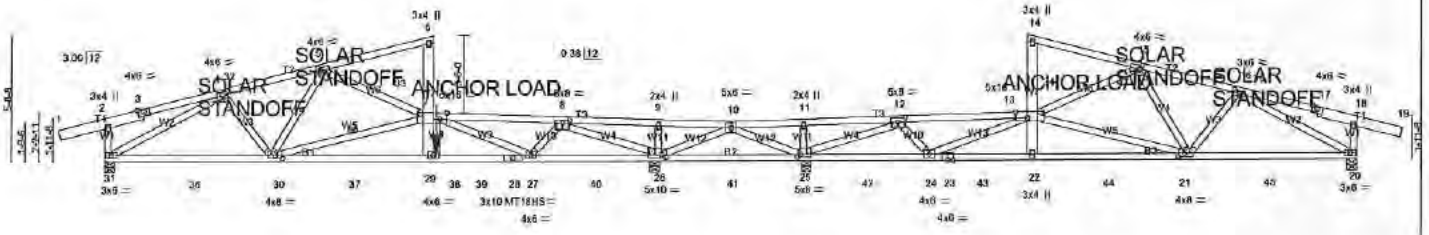
California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:02 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-LcpIrs8cg?vBJXexBrDjnoxokzxALSg1CeyR1pyOAIR

59-2-8

2-0-0	5-4-5	10-0-2	15-0-0	20-10-15	25-3-12	28-7-4	31-10-12	36-3-0	42-2-8	47-2-6	51-10-3	56-11-0	57-2-8
2-0-0	5-4-5	4-7-13	4-11-14	5-10-15	4-4-13	3-3-8	3-3-8	4-4-13	5-10-15	4-11-14	4-7-14	5-0-13	0-3-8

Scale = 1:120.2
Camber = 1/4 in



7-7-2	10-0-2	15-0-0	19-5-11	25-1-12	25-3-12	31-10-12	32-0-12	37-8-13	42-2-8	49-7-6	57-2-8
7-7-2	2-5-0	4-11-14	4-5-11	5-8-1	0-2-0	6-7-0	0-2-0	5-8-1	4-5-11	7-4-14	7-7-2

Plate Offsets (X,Y)-- [4:0-2-12,0-2-0], [5:0-0-15,0-1-12], [7:0-3-12,Edge], [8:0-4-0,0-1-8], [12:0-4-0,0-2-4], [13:0-6-8,0-3-4], [15:0-0-11,0-2-0], [16:0-2-8,0-1-8], [21:0-3-4,0-2-0], [25:0-1-8,0-1-8], [26:0-2-8,0-1-8], [30:0-4-0,0-1-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.58	Vert(LL) -0.30 29-30 >995 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.56	Vert(CT) -0.56 29-30 >540 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.84	Horz(CT) 0.17 20 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 614 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B1: 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS
1 Row at midpt 7-30

REACTIONS. All bearings 0-5-8.
(lb) - Max Horz
31=-1667(LC 26)
Max Uplift
All uplift 100 lb or less at joint(s) except 26=-335(LC 4), 25=-492(LC 27), 31=-212(LC 4), 20=-175(LC 5)
Max Grav
All reactions 250 lb or less at joint(s) except 26=4107(LC 24), 25=3110(LC 28), 31=2264(LC 50), 20=2069(LC 50)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-32=-3568/220, 5-32=-3392/239, 5-6=-875/453, 7-29=-33/846, 7-33=-1747/1508, 7-8=-3246/257, 8-9=-397/5784, 9-10=-401/5786, 10-11=-508/4862, 11-12=-508/4861, 12-13=-2474/251, 13-22=0/326, 13-34=-1766/1496, 14-34=-284/48, 14-15=-827/616, 15-16=-2813/163, 17-18=-256/32, 2-31=-423/143, 18-20=-505/142
BOT CHORD
31-36=-338/3237, 30-36=-338/3237, 30-37=-476/7525, 29-37=-476/7525, 29-38=-542/8209, 38-39=-542/8209, 28-39=-542/8209, 27-28=-542/8209, 27-40=-137/1886, 26-40=-137/1886, 26-41=-4181/323, 25-41=-4181/323, 25-42=-72/1295, 24-42=-72/1295, 23-24=-1410/6448, 23-43=-1410/6448, 22-43=-1410/6448, 22-44=-1347/6009, 21-44=-1347/6009, 21-45=-128/2770, 20-45=-128/2770
WEBS
4-30=-113/550, 5-30=-48/1292, 7-27=-5394/369, 8-27=-124/2635, 8-26=-7740/612, 9-26=-379/83, 10-26=-2120/993, 10-25=-936/2062, 11-25=-349/79, 12-25=-6349/461, 12-24=-623/2208, 13-24=-4302/1486, 13-15=-2433/216, 13-21=-4212/1695, 15-21=-161/1094, 16-21=-256/407, 4-31=-3638/206, 16-20=-3007/139, 5-7=-2867/237, 7-30=-5360/425

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-5-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 23, 24, 25, 26, 27, 28, 29, 30, 50, 51, 52, 53 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 52-5-6, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 47-5-6, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12 on top chord, and 822 lb down and 90 lb up at 15-1-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-6=-74, 7-10=-74,
Concentrated Loads (lb)
Vert: 38=-744(F)
23) ANCHOR LOAD #1 UP: Lumb
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F),
20-31=-16(F)
Concentrated Loads (lb)
Vert: 33=1667(F) 38=-744(F)
24) ANCHOR LOAD #1 DOWN: L
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F),
20-31=-16(F)
Concentrated Loads (lb)
Vert: 33=-1667(F) 38=-744(F)
25) ANCHOR LOAD #1 LEFT: Lu
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F),
20-31=-16(F)
Concentrated Loads (lb)
Vert: 38=-744(F)
Horz: 33=-1667(F)
26) ANCHOR LOAD #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)

Continued on page 2

LOAD CASE(S)
Standard Except:
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 38=-744(F)
Horz: 33=1667(F)
27) ANCHOR LOAD #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 34=1667(F) 38=-744(F)
28) ANCHOR LOAD #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 34=-1667(F) 38=-744(F)
29) ANCHOR LOAD #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 38=-744(F)
Horz: 34=-1667(F)
30) ANCHOR LOAD #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 38=-744(F)
Horz: 34=1667(F)
50) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 5=-691(F) 15=-691(F) 32=-691(F) 35=-691(F) 38=-744(F)
51) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 5=433(F) 15=433(F) 32=433(F) 35=433(F) 38=-744(F)
52) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 38=-744(F)
Horz: 5=55(F), 15=55(F), 32=55(F), 35=55(F)
53) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-18=-74(F), 18-19=-74(F), 20-31=-16(F)
Concentrated Loads (lb)
Vert: 38=-744(F)
Horz: 5=-55(F), 15=-55(F), 32=-55(F), 35=-55(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA09	MONOPITCH	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:03 2019 Page 1
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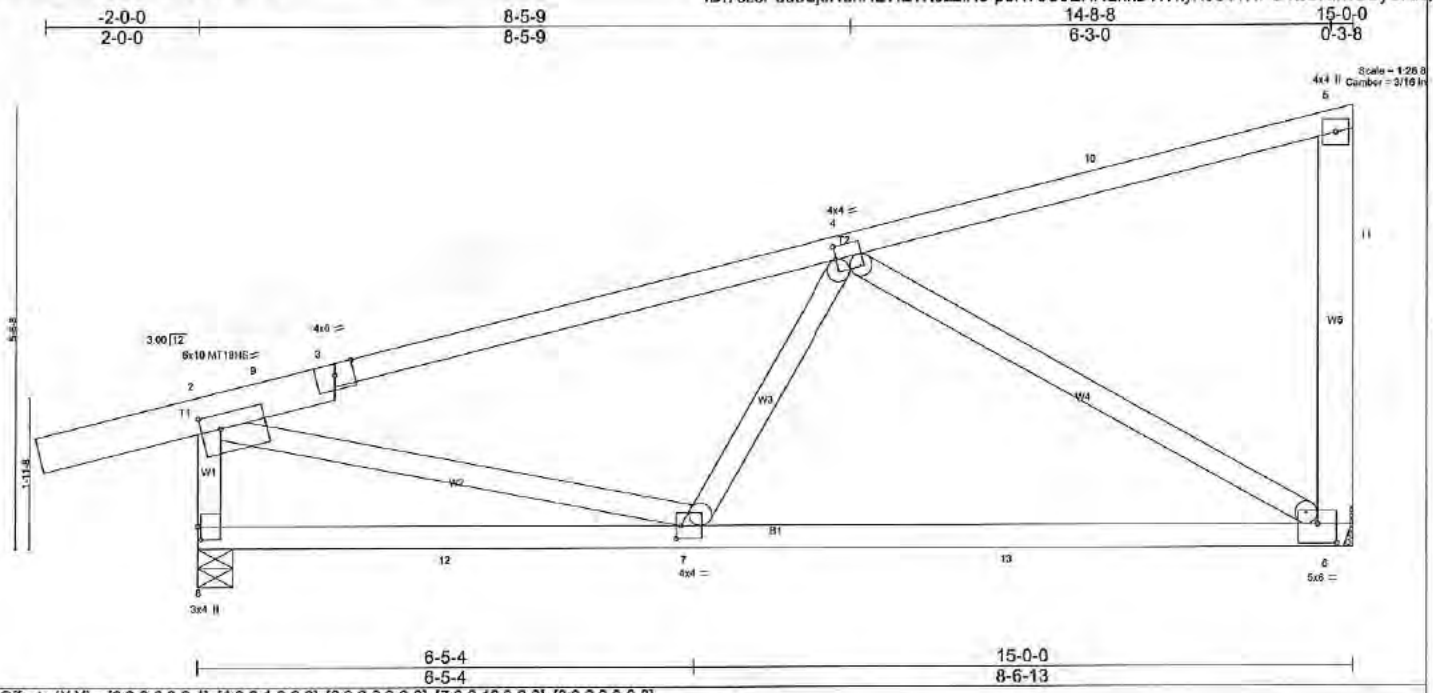

Plate Offsets (X,Y)-- [2:0-3-0,0-2-4], [4:0-0-1,0-2-0], [6:0-3-0,0-3-0], [7:0-0-12,0-2-0], [8:0-2-0,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.83	Vert(LL) -0.32 6-7 >552 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.70	Vert(CT) -0.50 6-7 >354 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 1.00	Horz(CT) 0.04 6 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 83 lb FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W5: 2x6 DF SS G, W1: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-7-1 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 5-1-10 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
8 = 833/0-5-8 (min. 0-1-8)
6 = 646/Mechanical
Max Horz
8 = 1667(LC 30)
Max Uplift
8 = -143(LC 8)
6 = -1021(LC 28)
Max Grav
8 = 1284(LC 30)
6 = 2313(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-9=-1702/91, 3-9=-1685/108, 3-4=-1605/255, 4-10=-1370/1190, 5-10=-1268/1281, 6-11=-1851/1482, 5-11=-465/96, 2-8=-1242/177
BOT CHORD
8-12=-1476/1833, 7-12=-1476/1833, 7-13=-164/1383, 6-13=-164/1383
WEBS
4-7=-239/259, 4-6=-1085/163, 2-7=-352/1411

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 14-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 28, 29, 30, 31 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back

LOAD CASE(S)
Standard Except:
28) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-8=-16(F)
Concentrated Loads (lb)
Vert: 11=1667(F)
29) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-8=-16(F)
Concentrated Loads (lb)
Vert: 11=-1667(F)
30) Anchor Load #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-8=-16(F)
Concentrated Loads (lb)
Horz: 11=-1667(F)
31) Anchor Load #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-8=-16(F)
Concentrated Loads (lb)
Horz: 11=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA10	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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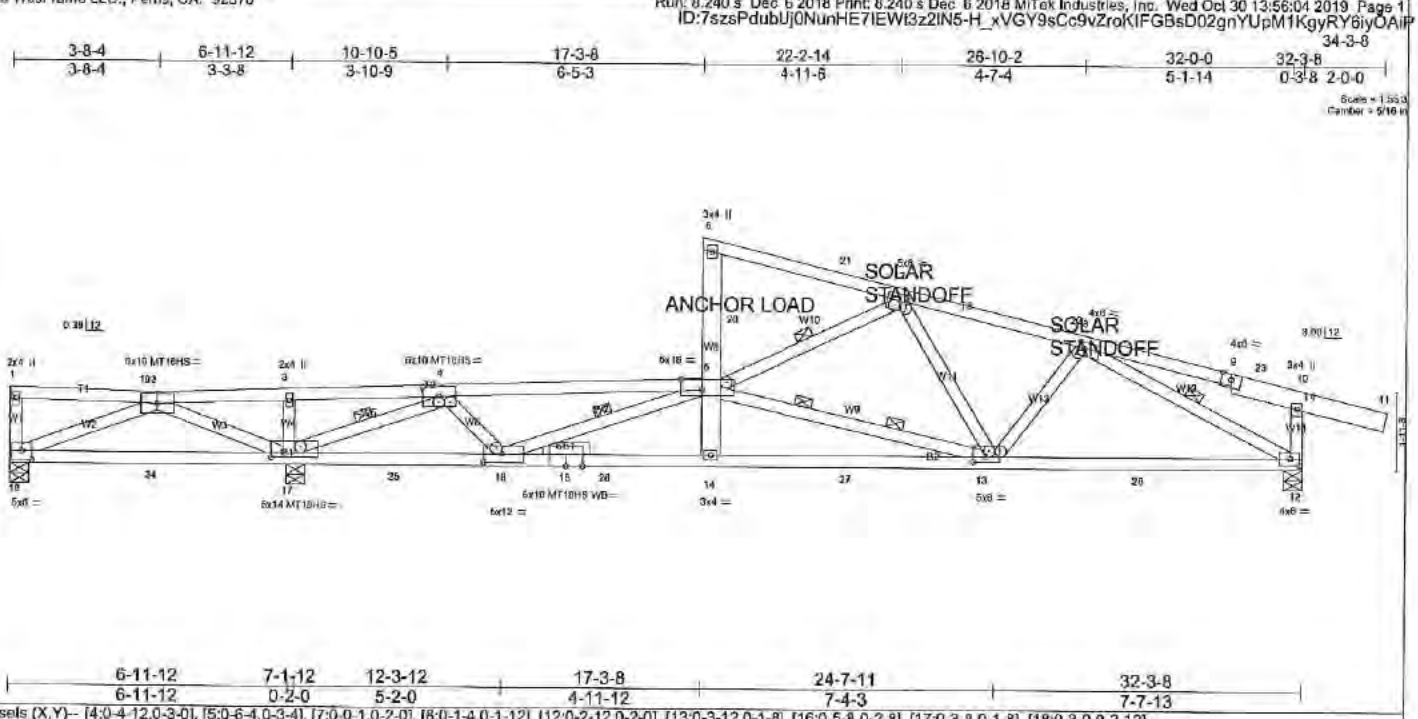

Plate Offsets (X,Y)-- [4:0-4-12,0-3-0], [5:0-6-4,0-3-4], [7:0-0-1,0-2-0], [8:0-1-4,0-1-12], [12:0-2-12,0-2-0], [13:0-3-12,0-1-8], [16:0-5-8,0-2-8], [17:0-3-8,0-1-8], [18:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 1.00	Vert(LL)	-0.56	13-14	>537	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.89	Vert(CT)	-0.90	13-14	>336	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.85	Horz(CT)	0.16	12	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 171 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T4: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W8: 2x6 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-4-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-11-4 oc bracing.
WEBS
1 Row at midpt 4-17, 5-16, 5-7, 8-12
2 Rows at 1/3 pts 5-13

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
18 = -217/0-5-8 (min. 0-1-8)
17 = 2100/0-5-8 (min. 0-4-2)
12 = 1160/0-5-8 (min. 0-2-3)
Max Horz
18 = 1667(LC 29)
Max Uplift
18 = -853(LC 28)
17 = -145(LC 8)
12 = -153(LC 9)
Max Grav
18 = 418(LC 27)
17 = 3877(LC 28)
12 = 2039(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-540/4762, 3-4=-539/4762, 4-5=-2205/145, 5-14=0/331,
5-20=-1766/1497, 6-20=-283/49, 6-21=-749/618, 7-21=-825/550,
7-22=-2893/165, 8-22=-3069/146, 10-12=-422/169
BOT CHORD
18-24=-2373/610, 17-24=-2373/610, 17-25=-139/1167, 16-25=-139/1167,
15-16=-1376/6508, 15-26=-1376/6508, 14-26=-1376/6508,
14-27=-1336/6062, 13-27=-1336/6062, 13-28=-129/2855, 12-28=-129/2855
WEBS
2-18=-612/2589, 2-17=-2615/143, 3-17=-295/62, 4-17=-5828/254,
4-16=-613/2257, 5-16=-4767/1526, 5-7=-2567/181, 8-13=-4256/1679,
7-13=-154/1122, 8-13=-281/398, 8-12=-3184/139

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-4-8, Interior(1) 3-4-8 to 17-6-4, Exterior(2) 17-6-4 to 20-9-0, Interior(1) 20-9-0 to 34-4-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 26-6-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 22-6-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) ANCHOR LOAD #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-18=-16(F)
Concentrated Loads (lb)
Vert: 20=1667(F)
28) ANCHOR LOAD #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-18=-16(F)
Concentrated Loads (lb)
Vert: 20=-1667(F)
29) ANCHOR LOAD #1 LEFT: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-7
Concentrated Loads (lb)
Horz: 20=-1667(F)
30) ANCHOR LOAD #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-7
Concentrated Loads (lb)
Horz: 20=1667(F)
31) SOLAR STANDOFFS DOWN: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-7
Concentrated Loads (lb)
Vert: 7=-691(F) 22=-691(F)
32) SOLAR STANDOFFS UP: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-7
Concentrated Loads (lb)
Vert: 7=433(F) 22=433(F)
33) SOLAR STANDOFFS RIGHT: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-7
Concentrated Loads (lb)

Continued on page 2

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Horz: 7=55(F), 22=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-18=-16(F)
Concentrated Loads (lb)
Horz: 7=-55(F), 22=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA11	Roof Special	5	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA 92570

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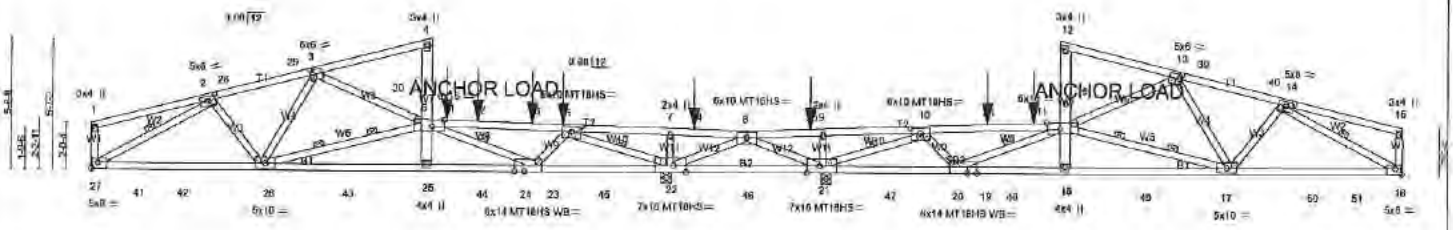
5-1-5	9-9-2	14-9-0	20-7-15	25-0-12	28-4-4	31-7-12	36-0-9	41-11-8	46-11-6	51-7-3	56-5-0	56-8-8
5-1-5	4-7-13	4-11-14	5-10-15	4-4-13	3-3-8	3-3-8	4-4-13	5-10-15	4-11-14	4-7-13	4-9-13	0-3-8

Scale: 1/4"=1'
Camber = 3/8 in



7-4-2	14-9-0	19-2-11	24-10-12	25-0-12	31-7-12	31-9-12	37-5-13	41-11-8	49-4-6	56-8-8
7-4-2	7-4-14	4-5-11	5-8-1	0-2-0	6-7-0	0-2-0	5-8-1	4-5-11	7-4-14	7-4-2

Plate Offsets (X,Y)-- [2:0-4-0,0-2-4], [3:0-0-15,0-2-4], [5:0-6-8,Edge], [6:0-4-12,0-2-8], [10:0-4-12,0-2-8], [11:0-6-8,Edge], [13:0-0-15,0-2-4], [14:0-4-0,0-2-4], [16:Edge,0-3-0], [19:0-0-0,0-1-12], [20:0-5-0,0-0-0], [21:0-6-8,Edge], [22:0-6-8,Edge], [24:0-0-0,0-1-12], [24:0-5-0,0-0-0], [27:Edge,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	-0.54	17-18	>552	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.92	25-26	>325	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.23	16	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 293 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B2: 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W10,W2: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-0-11 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied.
WEBS
1 Row at midpt 5-23, 6-22, 10-21, 11-20, 2-27, 14-16
2 Rows at 1/3 pts 5-26, 11-17

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8 except (jt=length) 27=Mechanical, 16=Mechanical.
(lb) - Max Horz
27=1667(LC 57)
Max Uplift
All uplift 100 lb or less at joint(s) except 22=-878(LC 27), 21=-373(LC 29), 27=-1625(LC 27), 16=-1078(LC 38)
Max Grav
All reactions 250 lb or less at joint(s) except 22=3606(LC 58), 21=3513(LC 60), 27=2115(LC 48), 16=1552(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-1300/1287, 2-28=-3044/2113, 28-29=-2548/1567, 3-29=-2512/1040, 3-4=-1398/1299, 5-25=0/327, 5-30=-1767/1496, 4-30=-502/471, 5-31=-2580/1186, 31-32=-2584/963, 32-33=-2586/502, 6-33=-2595/495, 6-7=-2170/5072, 7-34=-2432/5075, 8-34=-3000/5064, 8-35=-555/4980, 9-35=-604/4985, 9-10=-1785/4982, 10-36=-2742/1955, 36-37=-2510/1012, 11-37=-2505/577, 11-18=0/326, 11-38=-1768/1495, 12-38=-500/454, 12-13=-1253/1192, 13-39=-2487/495, 39-40=-2523/685, 14-40=-2563/948, 14-15=-1268/1279
BOT CHORD
27-41=-1485/3225, 41-42=-532/2877, 26-42=-532/2877, 26-43=-2307/6168, 25-43=-2307/6168, 25-44=-2451/6636, 24-44=-2451/6636, 23-24=-2451/6636, 23-45=-1763/2328, 22-45=-1763/2328, 22-46=-4484/2923, 21-46=-7704/6143, 21-47=-1681/2124, 20-47=-1681/2124, 19-20=-1600/6543, 19-48=-1600/6543, 18-48=-1600/6543, 18-49=-1458/6085, 17-49=-1458/6085, 17-50=-977/2166, 50-51=-977/2166, 16-51=-1111/2554
WEBS
2-26=-942/1129, 3-26=-310/1115, 3-5=-1899/528, 5-26=-4363/1735, 5-23=-4374/1363, 6-23=-578/2237, 6-22=-6585/568, 7-22=-421/31, 8-22=-1824/1674, 8-21=-1999/1999, 9-21=-434/0, 10-21=-6511/3165, 10-20=-1237/2231, 11-20=-4356/2620, 11-13=-1982/1330, 11-17=-4296/1589, 13-17=-978/1354, 14-17=-583/744, 2-27=-3920/3062, 14-16=-2889/2017

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 5-9-13, Interior(1) 5-9-13 to 42-2-4, Exterior(2) 42-2-4 to 47-10-5, Interior(1) 47-10-5 to 56-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 228.0lb AC unit load placed on the top chord, 28-7-4 from left end, supported at two points, 5-0-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Refer to girder(s) for truss to truss connections.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 55, 56, 57, 58, 59, 60, 61, 62 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0, 54-8-8 to 56-8-8, 25-0-12 to 31-7-12 for 1339.6 plf.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 15-4-12, 38 lb down at 16-8-12, 38 lb down at 19-1-0, 38 lb down at 20-5-0, 38 lb down at 38-9-12, 38 lb down at 40-9-12, and 114 lb down at 26-1-4, and 114 lb down at 31-1-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, l
(B).

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lur
Uniform Loads (plf)
Vert: 1-4=-74, 5-8=-74, 8-11=-74,
Concentrated Loads (lb)
Vert: 6=-38(F) 31=-38(F) 32=-38(
55) ANCHOR LOAD #1 UP: Lumber
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-1
Concentrated Loads (lb)
Vert: 6=-38(F) 30=1667(F) 31=-3
37=-38(F)
56) ANCHOR LOAD #1 DOWN: Lur
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-1
Concentrated Loads (lb)
Vert: 6=-38(F) 30=-1667(F) 31=-
37=-38(F)
57) ANCHOR LOAD #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00

Continued on page 2

LOAD CASE(S)
Standard Except:
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 6=-38(F) 31=-38(F) 32=-38(F) 33=-38(F) 34=-114(F) 35=-114(F) 36=-38(F) 37=-38(F)
Horz: 30=-1667(F)

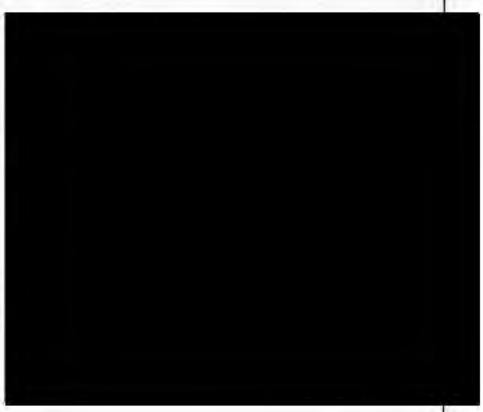
58) ANCHOR LOAD #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 6=-38(F) 31=-38(F) 32=-38(F) 33=-38(F) 34=-114(F) 35=-114(F) 36=-38(F) 37=-38(F)
Horz: 30=1667(F)

59) ANCHOR LOAD #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 6=-38(F) 31=-38(F) 32=-38(F) 33=-38(F) 34=-114(F) 35=-114(F) 36=-38(F) 37=-38(F)
38=1667(F)

60) ANCHOR LOAD #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 6=-38(F) 31=-38(F) 32=-38(F) 33=-38(F) 34=-114(F) 35=-114(F) 36=-38(F) 37=-38(F)
38=-1667(F)

61) ANCHOR LOAD #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 6=-38(F) 31=-38(F) 32=-38(F) 33=-38(F) 34=-114(F) 35=-114(F) 36=-38(F) 37=-38(F)
Horz: 38=-1667(F)

62) ANCHOR LOAD #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 6=-38(F) 31=-38(F) 32=-38(F) 33=-38(F) 34=-114(F) 35=-114(F) 36=-38(F) 37=-38(F)
Horz: 38=1667(F)



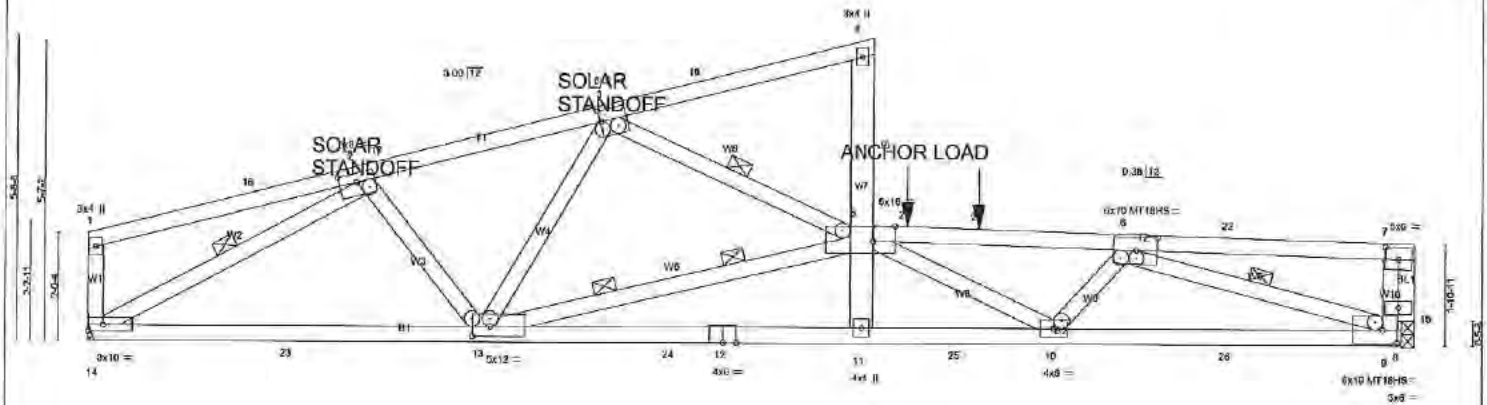
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA11-1	Roof Special	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:08 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-AIA06wDMGrfL1S55X5K713BmsOzPI81waaPmFTyOAiL

5-2-3	9-9-10	14-9-0	19-6-9	24-7-4	24-10-12
5-2-3	4-7-7	4-11-6	4-9-9	5-0-11	0-3-8

Scale = 1:41.6
Camber = 5/16 in



7-5-10	14-9-2	18-1-13	24-10-12
7-5-10	7-3-8	3-4-11	6-9-0

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.79	Vert(LL) -0.46 11-13 >649 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.64	Vert(CT) -0.73 11-13 >402 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.97	Horz(CT) 0.00 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 133 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T2: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5: 2x4 DF No.1&Btr G
OTHERS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-2-3 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-2-5 oc bracing.
WEBS
1 Row at midpt 3-5, 6-9, 2-14
2 Rows at 1/3 pts 5-13

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
14 = 1177/Mechanical
15 = 1080/0-2-12 (min. 0-1-8)
Max Horz
14 = 6412(LC 28)
15 = -6412(LC 28)
Max Uplift
14 = -60(LC 8)
15 = -50(LC 9)
Max Grav
14 = 2154(LC 31)
15 = 1974(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-17=-3637/59, 3-17=-3461/78, 3-18=-814/547, 4-18=-738/615, 5-11=-5/320, 5-19=-1770/1497, 4-19=-284/66, 5-20=-7279/622, 20-21=-7282/617, 6-21=-7269/617, 6-22=-591/40, 7-22=-597/38
BOT CHORD
14-23=-3617/561, 13-23=-3617/561, 13-24=-1382/2473, 12-24=-1382/2473, 11-12=-1382/2473, 11-25=-1477/2874, 10-25=-1477/2874, 8-9=0/357
WEBS
7-9=-47/1767, 2-13=-292/631, 3-13=-177/1611, 3-5=-2940/154, 5-13=-6749/1922, 5-10=-2270/1210, 6-10=-608/1454, 6-9=-6034/322, 2-14=-3739/81, 7-15=-2059/83

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 24-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 16-0-12 from left end, supported at two points, 1-4-0 apart.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
11) Non Standard bearing condition. Review required.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-6-12, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-6-12, and 38 lb down at 15-4-12, and 38 lb down at 16-8-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-16(F)
Concentrated Loads (lb)
Vert: 19=1667(F)
28) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-
Concentrated Loads (lb)
Vert: 19=-1667(F)
29) Anchor Load #1 LEFT: Lumber Incre
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-
Concentrated Loads (lb)
Horz: 19=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Inc
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-
Concentrated Loads (lb)
Horz: 19=1667(F)
31) SOLAR STANDOFFS DOWN: Lumb
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-
Concentrated Loads (lb)
Vert: 3=-691(F) 17=-691(F) 20=-38(F
32) SOLAR STANDOFFS UP: Lumber I
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-
Concentrated Loads (lb)
Vert: 3=433(F) 17=433(F) 20=-38(F) 21=-38(F)
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2

LOAD CASE(S)
Standard Except:
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-16(F)
Concentrated Loads (lb)
Vert: 20=-38(F) 21=-38(F)
Horz: 3=55(F), 17=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-16(F)
Concentrated Loads (lb)
Vert: 20=-38(F) 21=-38(F)
Horz: 3=-55(F), 17=-55(F)

[redacted]

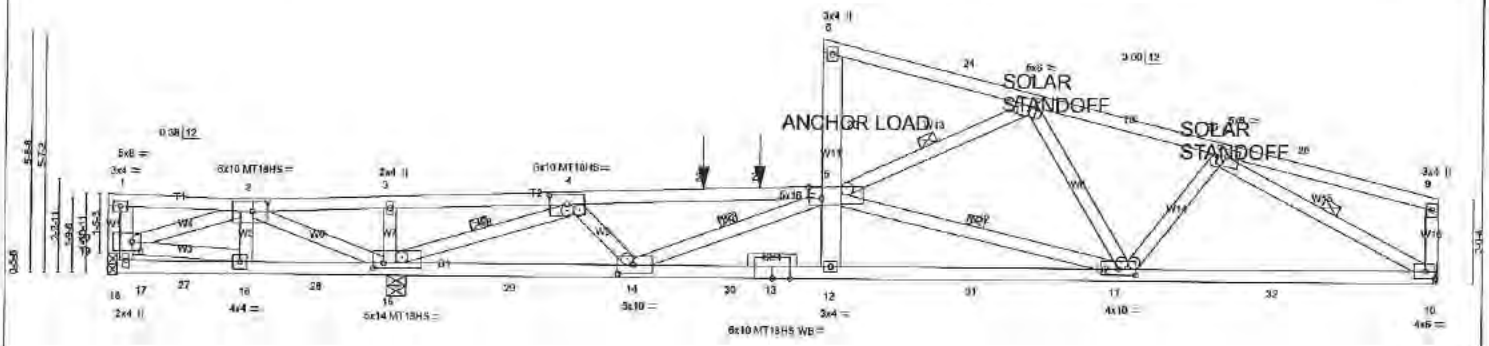
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AA11-2	ROOF SPECIAL	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:10 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-68ImXbEdoSv3HmFTlWNb6UG3UCaeD3zD2uusJMyOAIJ

3-3-13	3-5-9	6-9-0	11-1-13	17-0-12	22-0-6	26-7-7	31-6-4	31-9-12
3-3-13	0-1-12	3-3-7	4-4-13	5-10-15	4-11-10	4-7-1	4-10-13	0-3-8

Scale = 1:53.0
Camber = 3/8 in



3-3-13	6-9-0	6-11-0	12-7-1	17-0-12	24-5-4	31-9-12
3-3-13	3-5-3	0-2-0	5-8-1	4-5-11	7-4-8	7-4-8

Plate Offsets (X,Y)-- [2:0-4-4,0-3-0], [4:0-5-0,0-2-12], [5:0-3-12,0-3-4], [7:0-0-1,0-2-0], [8:0-2-10,0-2-4], [10:0-2-12,0-2-0], [11:0-5-0,0-1-12], [14:0-4-8,0-2-8], [15:0-3-0,0-1-8], [19:0-2-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.53	11-12	>560	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.86	11-12	>347	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.17	10	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 169 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W11: 2x6 DF No.2 G, W12: 2x4 DF No.1&Btr G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-0-7 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-0-10 oc bracing.
WEBS
1 Row at midpt 4-15, 5-14, 5-7, 5-11, 8-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
15 = 2180/0-5-8 (min. 0-4-2)
10 = 998/Mechanical
20 = -288/0-2-12 (min. 0-1-8)
Max Horz
20 = 1667(LC 29)
Max Uplift
15 = -63(LC 8)
10 = -81(LC 13)
20 = -907(LC 28)
Max Grav
15 = 3876(LC 28)
10 = 1885(LC 31)
20 = 387(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
17-19=-10/278, 1-19=-1018/277, 2-3=-544/4676, 3-4=-545/4675,
4-21=-2557/59, 21-22=-2550/60, 5-22=-2548/63, 5-12=0/327,
5-23=-1773/1497, 6-23=-287/50, 6-24=-781/622, 7-24=-822/554,
7-25=-2882/122, 8-25=-3057/103
BOT CHORD
17-27=-579/203, 16-27=-579/203, 16-28=-2282/596, 15-28=-2282/596,
15-29=-31/1399, 14-29=-31/1399, 14-30=-1386/6489, 13-30=-1386/6489,
12-13=-1386/6489, 12-31=-1344/6091, 11-31=-1344/6091, 11-32=-119/2815,
10-32=-119/2815
WEBS
2-19=-515/2265, 2-15=-2620/53, 3-15=-360/87, 4-15=-6262/188,
4-14=-625/2177, 5-14=-4255/1460, 5-7=-2561/151, 5-11=-4318/1700,
7-11=-148/1117, 8-11=-276/416, 8-10=-3204/125, 16-19=-1725/428,
2-16=-28/298, 1-20=-403/937

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 3-5-9, Interior(1) 3-5-9 to 17-3-8, Exterior(2) 17-3-8 to 20-5-11, Interior(1) 20-5-11 to 31-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 14-11-0 from left end, supported at two points, 1-4-0
Continued on page 2
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Refer to girder(s) for truss to truss connections.
10) Bearing at joint(s) 20 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 20.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 26-3-10, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 22-3-10, and 38 lb down at 14-3-0, and 38 lb down at 15-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-18=-16(F)
Concentrated Loads (lb)
Vert: 23=1667(F)
28) Anchor Load #1 DOWN: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74
Concentrated Loads (lb)
Vert: 23=-1667(F)
29) Anchor Load #1 LEFT: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74
Concentrated Loads (lb)
Horz: 23=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74
Concentrated Loads (lb)
Horz: 23=1667(F)
31) SOLAR STANDOFFS DOWN: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74
Concentrated Loads (lb)
Vert: 7=-691(F) 21=-38(F) 22=-38(F)
32) SOLAR STANDOFFS UP: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-18=-16(F)

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Vert: 7=433(F) 21=-38(F) 22=-38(F) 25=433(F)
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-18=-16(F)
Concentrated Loads (lb)
Vert: 21=-38(F) 22=-38(F)
Horz: 7=55(F), 25=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-18=-16(F)
Concentrated Loads (lb)
Vert: 21=-38(F) 22=-38(F)
Horz: 7=-55(F), 25=-55(F)

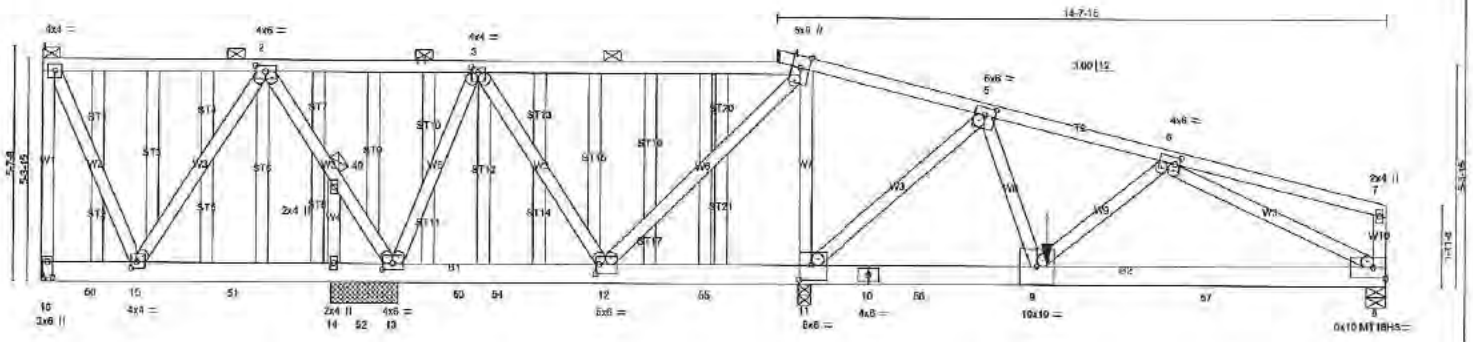
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB01	GABLE	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:12 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-2XPXyHGtK39mW4PsmxP3BvMWN?FRh_?VVCNzOEyOAiH

5-4-11	7-0-12	10-6-2	17-8-4	17-8-9	22-8-13	27-1-13	32-1-0	32-4-8
5-4-11	1-8-1	3-5-6	7-2-2	0-0-5	5-0-4	4-5-0	4-11-3	0-3-8

Scale = 1:63.3
Camber = 5/16 in



2-3-8	7-0-12	7-9-10	8-5-13	13-7-4	18-4-12	24-0-3	32-4-8
2-3-8	4-8-4	0-8-14	0-8-3	5-1-7	4-9-8	5-7-7	8-4-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.14	8-9	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.44	8-9	>376	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.04	8	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 655 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W10: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 1-4. Except:
6-0-0 oc bracing: 1-4
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS
1 Brace at Jt(s): 1, 49

REACTIONS. All bearings 1-7-8 except (jt=length) 16=Mechanical, 11=0-3-12, 8=0-5-8.
(lb) - Max Horz
16=-372(LC 19)
Max Uplift
All uplift 100 lb or less at joint(s) except 16=-1960(LC 23), 13=-943(LC 22), 11=-1701(LC 22), 8=-1058(LC 30), 14=-408(LC 46)
Max Grav
All reactions 250 lb or less at joint(s) 14 except 16=1861(LC 34), 13=2141(LC 35), 11=7022(LC 17), 8=2845(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-16=-1800/1892, 1-2=-795/812, 2-3=-1804/2153, 3-4=-1916/1870, 4-5=-1187/1943, 5-6=-3403/846, 6-7=-1597/1332, 7-8=-309/78
BOT CHORD
16-50=-1091/1245, 15-50=-2188/2335, 15-51=-1984/837, 14-51=-4913/4873, 14-52=-5583/5372, 13-52=-6251/6211, 13-53=-4529/4492, 53-54=-4529/4492, 12-54=-4529/4492, 12-55=-3123/2569, 11-55=-3123/2569, 10-11=-2134/2915, 10-56=-2134/2915, 9-56=-2134/2915, 9-57=-1700/2861, 8-57=-1700/2861
WEBS
1-15=-2082/1960, 2-15=-2178/2467, 2-49=-2591/2289, 13-49=-2663/2352, 3-13=-1981/1554, 3-12=-1542/1977, 4-12=-1820/2919, 5-11=-4925/722, 5-9=-600/4524, 6-9=-571/865, 6-8=-2774/1859, 4-11=-2677/1700

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) A plate rating reduction of 20% has been applied for the green lumber members.
11) Refer to girder(s) for truss to truss connections.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) This truss has been designed for a total drag load of 250 plf, Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 8-7-6 for 939.5 plf.
15) Girder carries tie-in span(s): 14-8-4 from 10-1-8 to 32-4-8
16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
17) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2139 lb down and 235 lb up at 24-3-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74, 4-7=-74, 16-53=-16, 8-53=-299(B=-283)
Concentrated Loads (lb)
Vert: 9=-1935(B)

[redacted]

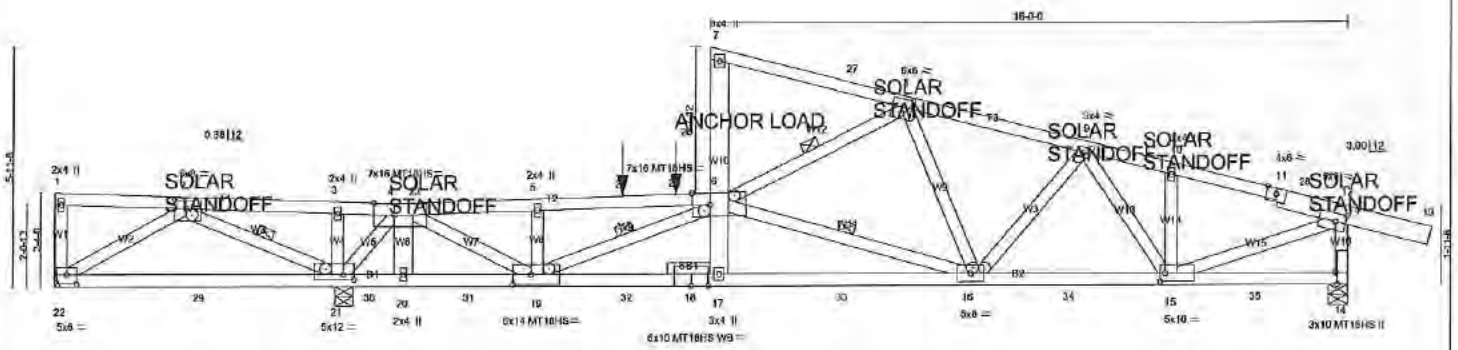
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB02	ROOF SPECIAL	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:14 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-_vXHNzH7rhPUlNZFuMRXGKRm4pzr9v9ozVs4S7yOAiF

3-3-3	7-0-12	8-5-14	12-0-13	16-4-8	21-3-3	25-9-8	27-11-12	32-1-0	32-4-8
3-3-3	3-9-10	1-5-2	3-6-15	4-3-10	4-10-11	4-6-5	2-2-4	4-1-4	0-3-8

Scale = 1:55.5
Camber = 5/16 in



7-0-12	7-2-12	8-5-14	12-0-13	16-4-8	23-1-11	27-11-12	32-4-8
7-0-12	0-2-0	1-3-2	3-6-15	4-3-10	6-9-3	4-10-1	4-4-12

Plate Offsets (X,Y)-- [2:0-3-8,0-2-8], [4:0-6-4,0-3-8], [6:0-5-4,Edge], [8:0-0-3,0-2-8], [9:0-1-12,0-1-8], [12:0-3-0,0-2-8], [14:0-3-8,Edge], [15:0-1-8,0-2-8], [19:0-5-8,0-3-0], [21:0-3-4,0-1-8], [22:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	-0.41	16-17	>740	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.81	16-17	>373	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.13	14	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 182 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T4: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W10,W6: 2x6 DF No.2 G, W7,W15: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-8-9 oc bracing.
WEBS
1 Row at midpt 6-19, 6-8, 6-16, 2-21

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
22 = -259/Mechanical
21 = 2232/0-5-8 (min. 0-4-12)
14 = 1177/0-5-8 (min. 0-3-8)
Max Horz
22 = 1667(LC 29)
Max Uplift
22 = -922(LC 28)
21 = -9(LC 8)
14 = -136(LC 9)
Max Grav
22 = 404(LC 27)
21 = 4448(LC 31)
14 = 3256(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-427/4510, 3-4=-423/4511, 4-23=-2125/144, 5-23=-2117/151, 5-24=-2129/144, 24-25=-2122/146, 6-25=-2118/152, 6-17=0/326, 6-26=-1776/1508, 7-26=-281/48, 7-27=-737/634, 8-27=-812/567, 8-9=-3313/130, 9-10=-3408/135, 10-11=-3447/139, 11-28=-3464/102, 12-28=-3486/96, 12-14=-3205/154
BOT CHORD
22-29=-2020/774, 21-29=-2020/774, 21-30=-2734/429, 20-30=-2734/429, 20-31=-2735/429, 19-31=-2735/429, 19-32=-1060/5753, 18-32=-1060/5753, 17-18=-1060/5753, 17-33=-1032/5454, 16-33=-1032/5464, 16-34=-85/3609, 15-34=-85/3609
WEBS
2-22=-490/1995, 3-21=-331/56, 4-21=-3130/40, 4-19=-283/5063, 6-19=-4328/1353, 6-8=-2986/152, 6-16=-3650/1427, 8-16=-119/1170, 9-16=-653/316, 9-15=-645/58, 2-21=-3507/46, 10-15=-738/228, 12-15=-120/3491, 5-19=-516/48

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-3-2, Interior(1) 3-3-2 to 16-7-4, Exterior(2) 16-7-4 to 19-10-2, Interior(1) 19-10-2 to 34-5-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 100.0lb AC unit load placed on the top chord, 14-10-8 from left end, supported at two points, 1-4-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Refer to girder(s) for truss to truss connections.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 50 lb down at 14-2-8, 50 lb down at 15-6-8, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 31-11-12, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 27-11-12, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-6-12, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 21-6-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-0-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 3-0-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) ANCHOR LOAD #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-6=-74(F), 7-12=-74
Concentrated Loads (lb)
Vert: 24=-50(F) 25=-50(F) 26=1667(F)
28) ANCHOR LOAD #1 DOWN: Lumber I
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-6=-74(F), 7-12=-74
Concentrated Loads (lb)
Vert: 24=-50(F) 25=-50(F) 26=-1667(F)
29) ANCHOR LOAD #1 LEFT: Lumber In
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-6=-74(F), 7-12=-74
Concentrated Loads (lb)
Vert: 24=-50(F) 25=-50(F)
Horz: 26=-1667(F)
30) ANCHOR LOAD #1 RIGHT: Lumber I
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-6=-74(F), 7-12=-74
Concentrated Loads (lb)
Vert: 24=-50(F) 25=-50(F)
Horz: 26=1667(F)
31) SOLAR STANDOFFS DOWN: Lumbe
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-6=-74(F), 7-12=-74(F), 12-13=-74(F), 14-22=-16(F)
Concentrated Loads (lb)

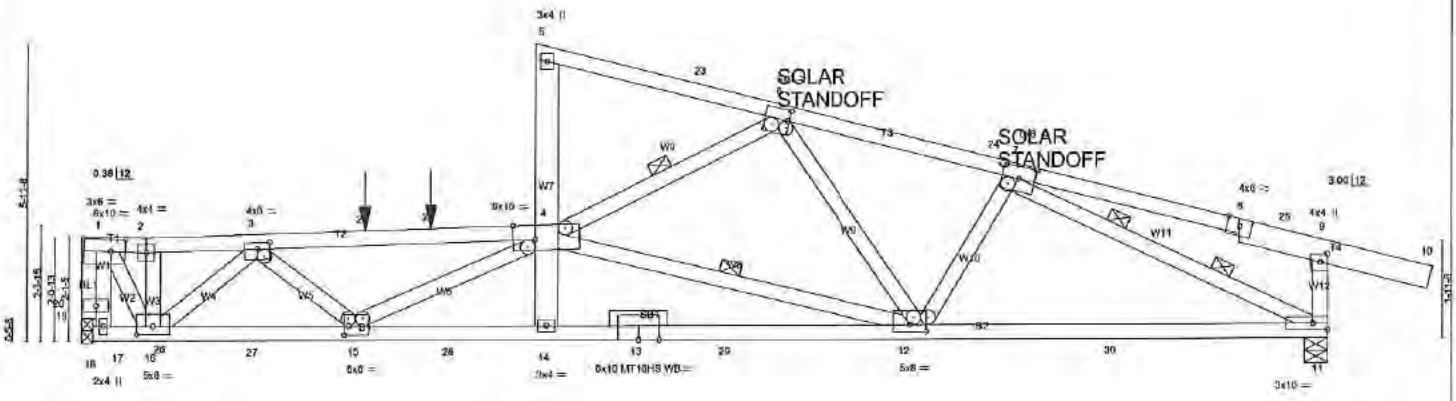
LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Vert: 2=-691(F) 8=-691(F) 9=-691(F) 12=-691(F) 10=-691(F) 23=-691(F) 24=-50(F) 25=-50(F)
32) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-6=-74(F), 7-12=-74(F), 12-13=-74(F), 14-22=-16(F)
Concentrated Loads (lb)
Vert: 2=433(F) 8=433(F) 9=433(F) 12=433(F) 10=433(F) 23=433(F) 24=-50(F) 25=-50(F)
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-6=-74(F), 7-12=-74(F), 12-13=-74(F), 14-22=-16(F)
Concentrated Loads (lb)
Vert: 24=-50(F) 25=-50(F)
Horz: 2=55(F), 8=55(F), 9=55(F), 12=55(F), 10=55(F), 23=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-6=-74(F), 7-12=-74(F), 12-13=-74(F), 14-22=-16(F)
Concentrated Loads (lb)
Vert: 24=-50(F) 25=-50(F)
Horz: 2=-55(F), 8=-55(F), 9=-55(F), 12=-55(F), 10=-55(F), 23=-55(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB02-1	ROOF SPECIAL	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570 — Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:15 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-T65faJIlc_YLNX8RR3ympY_w5DJouLPyB9bd?ZyOAIE

1-3-9	3-6-6	9-1-12	14-0-7	18-9-5	24-10-4	25-1-12	27-1-12
1-3-9	2-2-13	5-7-6	4-10-11	4-8-15	6-0-15	0-3-8	2-0-0

Scale = 1:44.7
Camber = 7/16 in



1-3-9	5-6-5	9-1-12	16-11-6	25-1-12
1-3-9	4-2-12	3-7-7	7-9-10	8-2-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.29	11-12	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.98	12-14	>306	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.20	11	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 146 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T4: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS
1 Row at midpt 4-6, 4-12
2 Rows at 1/3 pts 7-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
11 = 1315/0-5-8 (min. 0-2-6)
20 = 1162/0-2-12 (min. 0-1-8)
Max Horz
20 = -192(LC 11)
Max Uplift
11 = -134(LC 9)
Max Grav
11 = 2207(LC 27)
20 = 1651(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-1183/25, 2-3=-1184/23, 3-21=-3979/0, 21-22=-3970/0, 4-22=-3968/0, 4-14=0/323, 6-24=-3406/135, 7-24=-3601/118, 9-11=-452/170
BOT CHORD
17-26=0/308, 16-26=0/308, 16-27=0/2934, 15-27=0/2934, 15-28=0/5665, 14-28=0/5665, 13-14=0/5339, 13-29=0/5339, 12-29=0/5339, 12-30=-101/3374, 11-30=-101/3374
WEBS
4-15=-1917/121, 4-6=-2885/152, 4-12=-2708/25, 6-12=0/1131, 17-19=-120/302, 1-19=-120/302, 7-11=-3668/94, 3-15=-30/1408, 3-16=-2334/0, 1-16=0/1801, 1-20=-1693/4

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 1-3-8, Interior(1) 1-3-8 to 9-4-8, Exterior(2) 9-4-8 to 12-4-8, Interior(1) 12-4-8 to 27-2-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 100.0lb AC unit load placed on the top chord, 6-4-10 from left end, supported at two points, 1-4-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Bearing at joint(s) 20 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 20.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 55 lb left and 55 lb right at 18-4-0, 691 lb down and 55 lb left and 55 lb right at 14-4-0, and 50 lb down at 5-8-10, and 50 lb down at 7-0-10 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-4=-74(F), 5-9=-74(F), 9-10=-74(F), 11-18=-16(F)
Concentrated Loads (lb)
Vert: 6=-691(F) 21=-50(F) 22=-50(F) 24=-691(F)
28) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-4=-74(F), 5-9=-74(F), 9-10=-74(F), 11-18=-16(F)
Concentrated Loads (lb)
Vert: 6=-433(F) 21=-50(F) 22=-50(F) 24=-433(F)
29) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-4=-74(F), 5-9=-7
Concentrated Loads (lb)
Vert: 21=-50(F) 22=-50(F)
Horz: 6=55(F), 24=55(F)
30) SOLAR STANDOFFS LEFT: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-4=-74(F), 5-9=-7
Concentrated Loads (lb)
Vert: 21=-50(F) 22=-50(F)
Horz: 6=-55(F), 24=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB02-2	Roof Special	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA, 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:16 2019 Page 1
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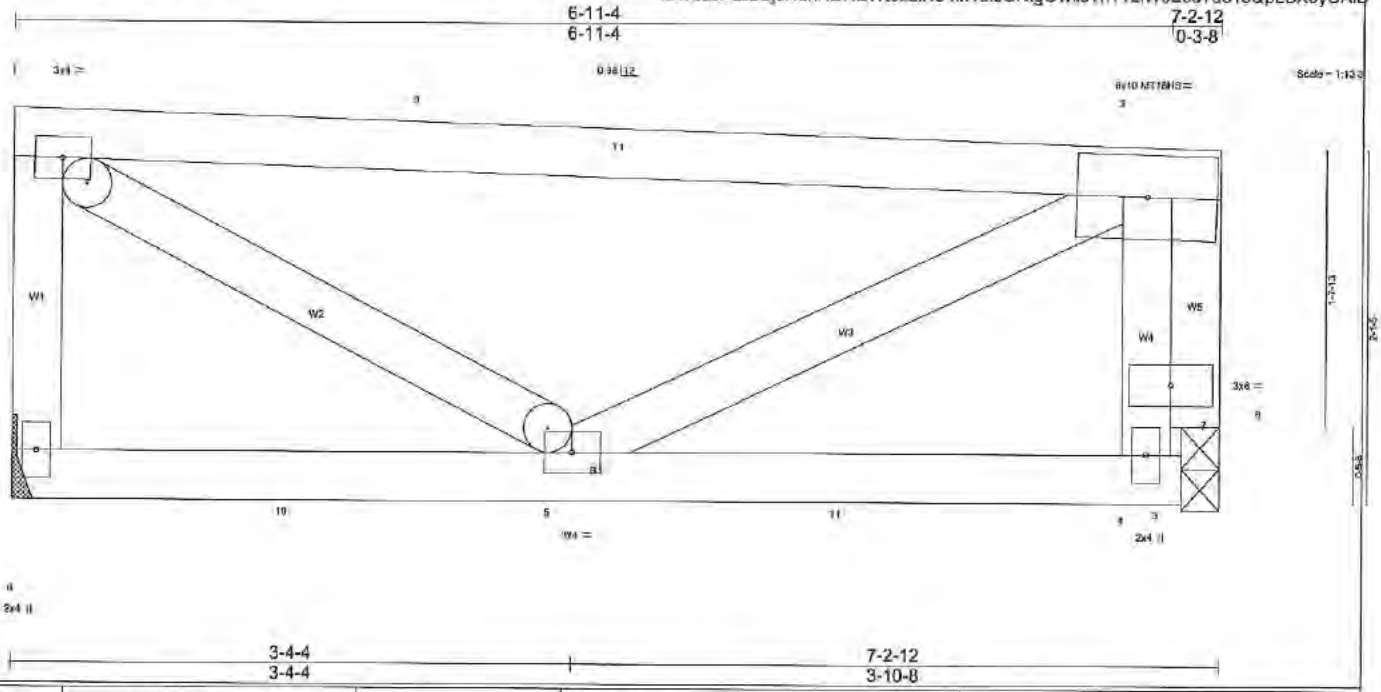

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.77	Vert(LL) -0.03 4-5 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.24	Vert(CT) -0.04 4-5 >999 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr YES	WB 0.78	Horz(CT) 0.01 8 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 35 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
6 = 313/Mechanical
8 = 288/0-2-12 (min. 0-1-8)
Max Horz
8 = -58(LC 10)
Max Uplift
6 = -35(LC 13)
8 = -37(LC 9)
Max Grav
6 = 424(LC 26)
8 = 400(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-6=-293/134, 1-9=-328/65, 2-9=-332/64, 4-7=0/275, 2-7=0/275
WEBS
1-5=-38/388, 2-8=-421/178

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB02D	ROOF SPECIAL	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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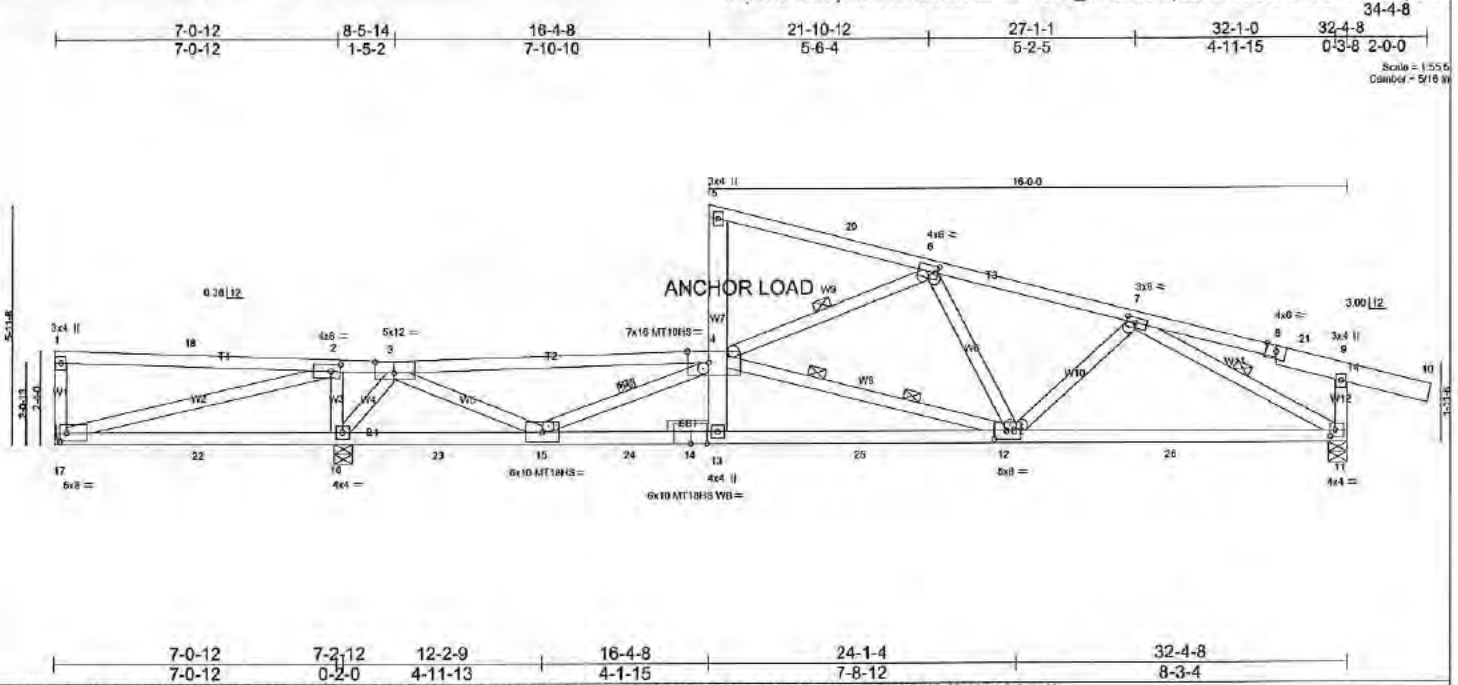

Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [3:0-5-12,0-3-4], [4:0-6-8,0-3-4], [6:0-0-11,0-2-0], [7:0-2-8,0-1-8], [11:0-1-8,0-2-0], [12:0-3-12,0-2-8], [17:0-2-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.47	12-13	>636	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.77	12-13	>391	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.10	11	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 173 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T2: 2x4 DF No.1&Btr G, T4: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-2-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-3-5 oc bracing.
WEBS
1 Row at midpt 4-15, 4-6, 7-11
2 Rows at 1/3 pts 4-12

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
17 = -111/Mechanical
16 = 1974/0-5-8 (min. 0-3-15)
11 = 1187/0-5-8 (min. 0-1-13)
Max Horz
17 = 1667(LC 29)
Max Uplift
17 = -641(LC 28)
16 = -123(LC 8)
11 = -159(LC 9)
Max Grav
17 = 419(LC 27)
16 = 3685(LC 28)
11 = 1673(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-592/3314, 3-4=-2299/262, 4-13=0/328, 4-19=-1792/1480, 5-19=-307/54, 5-20=-764/640, 6-20=-812/564, 6-7=-2589/174, 9-11=-409/167
BOT CHORD
17-22=-3308/592, 16-22=-3308/592, 16-23=-1635/530, 15-23=-1635/530, 15-24=-1190/6216, 14-24=-1190/6216, 13-14=-1190/6216, 13-25=-1193/5795, 12-25=-1193/5795, 12-26=-145/2163, 11-26=-145/2163
WEBS
2-17=-522/3459, 2-16=-1457/116, 3-16=-2669/107, 3-15=-867/4347, 4-15=-4324/1033, 4-6=-2015/199, 4-12=-3883/1629, 6-12=-160/1018, 7-12=-247/419, 7-11=-2401/164

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-4-10, Interior(1) 3-4-10 to 16-7-4, Exterior(2) 16-7-4 to 19-10-2, Interior(1) 19-10-2 to 34-5-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) ANCHOR LOAD #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-4=-74(F), 5-9=-74(F), 9-10=-74(F), 11-17=-16(F)
Concentrated Loads (lb)
Vert: 19=1667(F)
28) ANCHOR LOAD #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-4=-74(F), 5-9=-74(F), 9-10=-74(F), 11-17=-16(F)
Concentrated Loads (lb)
Vert: 19=-1667(F)
29) ANCHOR LOAD #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-4=-74(F), 5-9=-7
Concentrated Loads (lb)
Horz: 19=-1667(F)
30) ANCHOR LOAD #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-4=-74(F), 5-9=-7
Concentrated Loads (lb)
Horz: 19=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Square MMB
M29879 CHESTNUT SQUARE	AB03	ROOF SPECIAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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7-0-12	8-5-14	13-7-14	16-4-8	21-10-0	26-11-10	32-1-0	32-4-8
7-0-12	1-5-2	5-2-0	2-8-10	5-5-8	5-1-11	5-1-6	0-3-8

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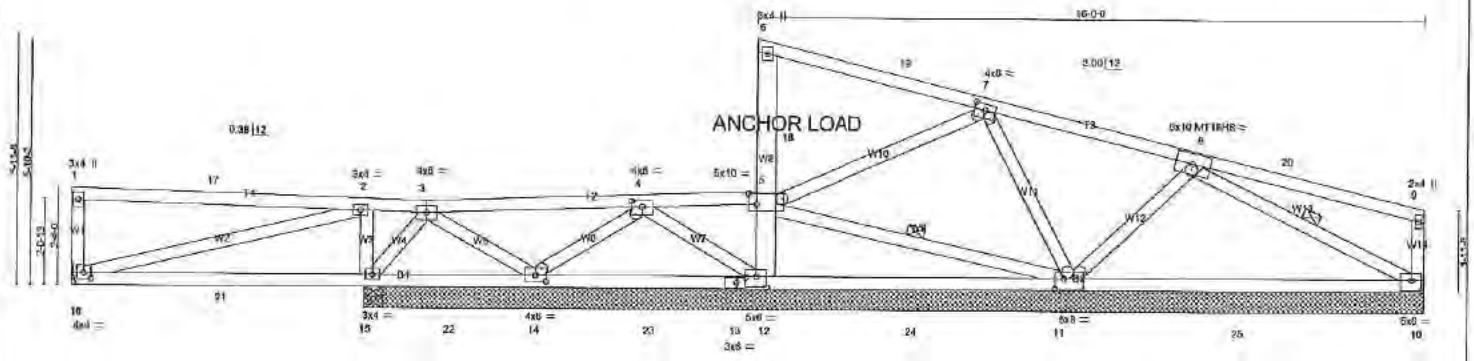
Camber = 3/16 in



7-0-12	7-2-12	11-1-7	16-4-8	24-0-3	32-4-8
7-0-12	0-2-0	3-10-11	5-3-1	7-7-11	8-4-5

Plate Offsets (X,Y)-- [4:0-3-0,0-1-12], [5:0-2-4,0-3-0], [7:0-3-0,0-1-12], [10:0-2-12,0-3-0], [11:0-2-7,0-3-0], [12:0-3-0,0-3-0], [13:0-2-8,0-1-8], [14:0-3-0,0-1-12], [16:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.34	10-11	>302	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.51	10-11	>199	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.03	10	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 167 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W8: 2x6 DF No.2 G, W5,W7: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-2-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-4-15 oc bracing.
WEBS
1 Row at midpt 5-11, 8-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 25-4-8 except (jt=length) 16=Mechanical.
(lb) - Max Horz
16=1667(LC 57)
Max Uplift
All uplift 100 lb or less at joint(s) except 16=-145(LC 27), 12=-1233(LC 55), 15=-714(LC 35), 14=-113(LC 28), 11=-891(LC 38), 10=-1069(LC 38)
Max Grav
All reactions 250 lb or less at joint(s) except 16=482(LC 57), 12=2053(LC 56), 15=974(LC 48), 15=614(LC 1), 14=465(LC 57), 11=1229(LC 47), 10=1217(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-17=-843/780, 2-17=-1808/1753, 2-3=-1729/1738, 3-4=-1209/1297, 4-5=-1585/1576, 5-12=-1970/1881, 5-18=-1833/1499, 6-18=-462/474, 6-19=-771/749, 7-19=-1445/1397, 7-8=-1082/1109, 8-20=-1347/1353, 9-20=-747/665
BOT CHORD
16-21=-822/901, 15-21=-822/901, 15-22=-1030/1109, 14-22=-784/849, 14-23=-1882/1983, 13-23=-352/1108, 12-13=-307/762, 12-24=-1233/1267, 11-24=-1073/1102, 11-25=-482/568, 10-25=-1781/1928
WEBS
2-16=-785/869, 2-15=-762/757, 3-15=-977/984, 3-14=-1508/1482, 4-14=-1414/1266, 5-7=-1363/1389, 5-11=-1069/1116, 7-11=-1344/1179, 8-11=-983/833, 8-10=-2115/2091, 4-12=-1450/1391

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-4-10, Interior(1) 3-4-10 to 16-7-4, Exterior(2) 16-7-4 to 19-10-2, Interior(1) 19-10-2 to 32-2-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 55, 56, 57, 58 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 7-0-0 to 32-4-8 for 319.0 plf.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
55) ANCHOR LOAD #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-5=-74(F), 6-9=-74(F), 15-16=-16(F)
Concentrated Loads (lb)
Vert: 18=1667(F)
56) ANCHOR LOAD #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-5=-74(F), 6-9=-74(F), 15-16=-16(F)
Concentrated Loads (lb)
Vert: 18=-1667(F)
57) ANCHOR LOAD #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-5=-74(F), 6-9=-74(F), 15-16=-16(F)
Concentrated Loads (lb)
Horz: 18=-1667(F)
58) ANCHOR LOAD #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-5=-74(F), 6-9=-74
Concentrated Loads (lb)
Horz: 18=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB04	ROOF SPECIAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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3-4-8	8-5-14	11-8-4	16-4-8	21-10-0	26-11-10	32-1-0	32-4-8
3-4-8	5-1-6	3-2-6	4-8-4	5-5-8	5-1-11	5-1-6	0-3-8

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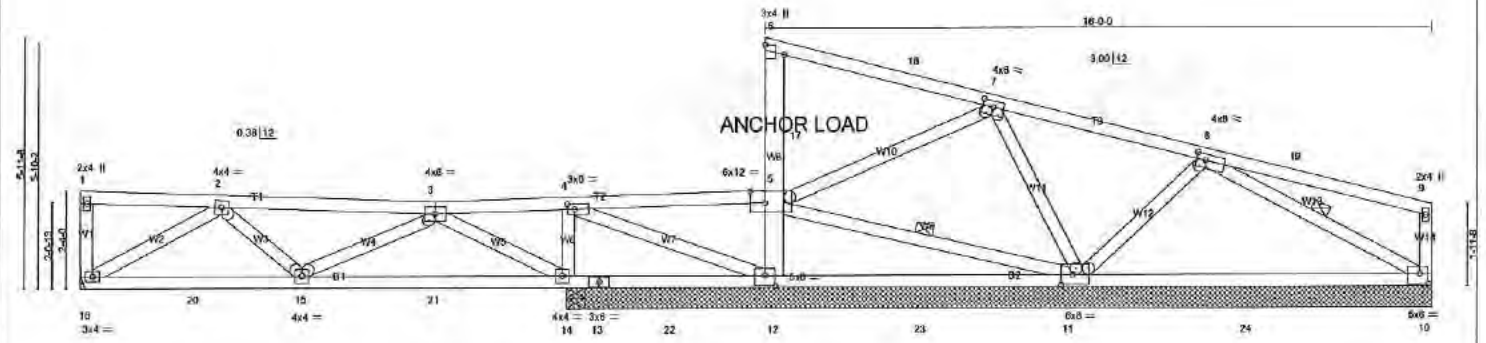

5-3-12	11-8-4	11-10-4	16-4-8	24-0-3	32-4-8
5-3-12	6-4-8	0-2-0	4-6-4	7-7-11	8-4-5

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.97	Vert(LL) -0.34 10-11 >302 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.61	Vert(CT) -0.34 10-11 >304 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.04 10 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 166 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W8: 2x6 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-2-12 oc bracing.
WEBS
1 Row at midpt 5-11, 8-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 20-9-0 except (jt=length) 16=Mechanical.
(lb) - Max Horz
16=1667(LC 57)
Max Uplift
All uplift 100 lb or less at joint(s) except 16=-336(LC 27), 12=-1359(LC 55), 14=-425(LC 35), 11=-925(LC 38), 10=-1206(LC 38)
Max Grav
All reactions 250 lb or less at joint(s) except 16=674(LC 57), 12=1927(LC 56), 14=1057(LC 58), 14=868(LC 1), 11=1038(LC 47), 10=1255(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-844/830, 2-3=-1601/1410, 3-4=-1059/1578, 4-5=-1371/1465, 5-12=-2079/1923, 5-17=-1836/1497, 6-17=-582/559, 6-18=-777/871, 7-18=-1451/1407, 7-8=-1305/1352, 8-19=-1326/1377, 9-19=-645/695
BOT CHORD
16-20=-710/1903, 15-20=-710/1903, 15-21=-1412/1604, 14-21=-1412/1604, 13-14=-2188/2049, 13-22=-1901/1762, 12-22=-1219/304, 12-23=-1805/1797, 11-23=-862/854, 11-24=-350/407, 10-24=-2031/2088
WEBS
3-15=-570/791, 3-14=-1230/832, 5-7=-1175/1213, 5-11=-1590/1661, 7-11=-1209/1035, 8-11=-1044/899, 8-10=-2328/2285, 4-14=-917/746, 4-12=-1742/1882, 2-15=-397/477, 2-16=-1099/645

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-4-8, Interior(1) 3-4-8 to 16-7-4, Exterior(2) 16-7-4 to 19-10-2, Interior(1) 19-10-2 to 32-2-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 55, 56, 57, 58 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 11-10-4 to 32-4-8 for 394.4 plf.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
55) ANCHOR LOAD #1 UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-5=-74(F), 6-9=-74(F), 14-16=-16(F)
Concentrated Loads (lb)
Vert: 17=1667(F)
56) ANCHOR LOAD #1 DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-5=-74(F), 6-9=-74(F), 14-16=-16(F)
Concentrated Loads (lb)
Vert: 17=-1667(F)
57) ANCHOR LOAD #1 LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-5=-74(F), 6-9=-74(F), 14-16=-16(F)
Concentrated Loads (lb)
Horz: 17=-1667(F)
58) ANCHOR LOAD #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-3=-74(F), 3-5=-74(F), 6-9=-74
Concentrated Loads (lb)
Horz: 17=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB05	Flat	4	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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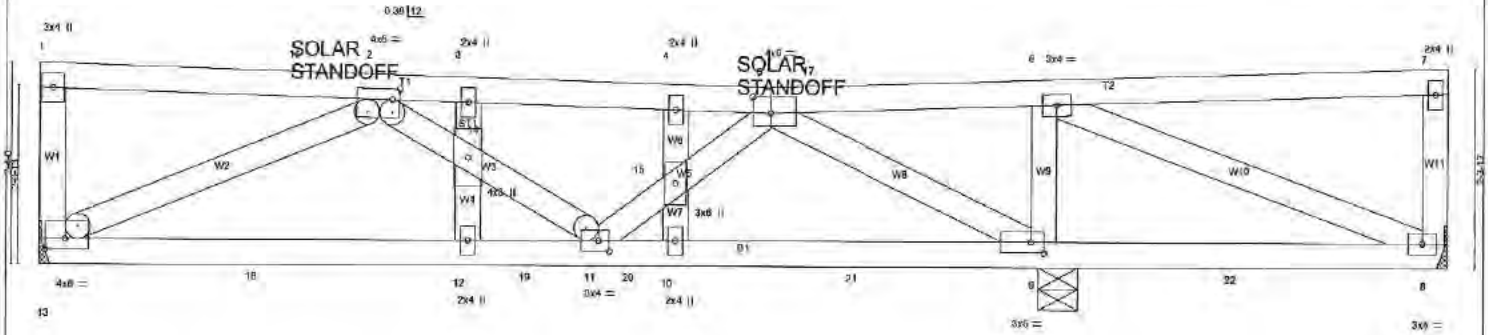
3-11-7	4-11-12	7-4-12	8-5-15	11-8-4	16-1-0	16-4-8
3-11-7	1-0-5	2-5-0	1-1-3	3-2-5	4-4-12	0-3-8

Scale = 1:29.6



4-11-12	6-6-1	7-4-12	11-8-4	11-10-4	16-4-8
4-11-12	1-6-5	0-10-11	4-3-8	0-2-0	4-6-4

Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [5:0-2-8,0-2-4], [9:0-1-12,0-1-8], [11:0-1-8,0-1-8], [13:0-2-12,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.64	Vert(LL) -0.07 12-13 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.39	Vert(CT) -0.11 12-13 >999 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.59	Horz(CT) 0.04 9 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 78 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
13 = 460/Mechanical
8 = 54/Mechanical
9 = 933/0-5-8 (min. 0-2-1)
Max Horz
13 = 110(LC 22)
Max Uplift
13 = -50(LC 9)
8 = -155(LC 19)
9 = -121(LC 5)
Max Grav
13 = 1054(LC 19)
8 = 280(LC 33)
9 = 1931(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1302/65, 3-4=-1312/63, 4-5=-1315/61, 5-17=-60/695, 6-17=-59/722
BOT CHORD
13-18=-119/1588, 12-18=-119/1588, 12-19=-119/1588, 11-19=-119/1588,
11-20=-73/1104, 10-20=-73/1104, 10-21=-73/1104, 9-21=-73/1104,
9-22=-713/28, 8-22=-713/28
WEBS
2-13=-1705/77, 2-14=-376/254, 11-14=-330/174, 11-15=-35/385,
5-15=-34/411, 5-9=-2080/108, 6-9=-812/116, 6-8=-43/785

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical 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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 19, 20, 21, 22 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-0-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 3-0-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
19) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 5-7=-74(F), 8-13=-16(F)
Concentrated Loads (lb)
Vert: 16=-691(F) 17=-691(F)
20) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 5-7=-74(F), 8-13=-16(F)
Concentrated Loads (lb)
Vert: 16=433(F) 17=433(F)
21) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 5-7=-74(F), 8-13=-16(F)
Concentrated Loads (lb)
Horz: 16=55(F), 17=55(F)
22) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 5-7=-74(F), 8-13=-16(F)
Concentrated Loads (lb)
Horz: 16=-55(F), 17=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB06	MONO CAL HIP	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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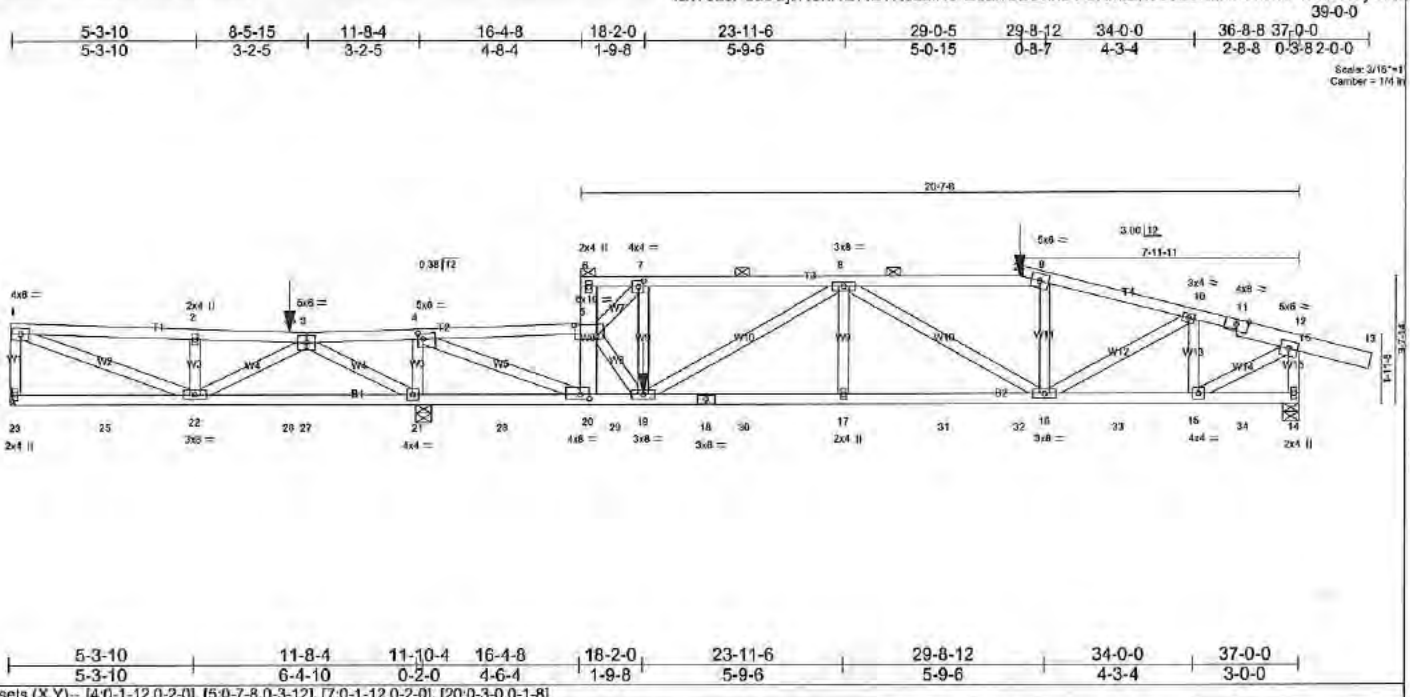


Plate Offsets (X,Y)-- [4:0-1-12,0-2-0], [5:0-7-8,0-3-12], [7:0-1-12,0-2-0], [20:0-3-0,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.81	Vert(LL) -0.10 16-17 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.47	Vert(CT) -0.36 17-19 >849 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.64	Horz(CT) -0.05 21 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 386 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T5: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W6: 2x6 DF No.2 G, W5: 2x4 DF No.2 G

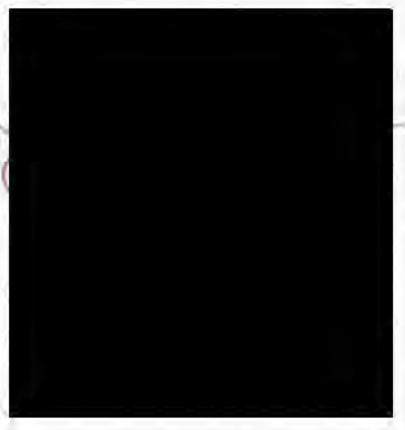
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (5-6-9 max.): 6-9. Except:
5-7-0 oc bracing: 6-9
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 21-22,20-21.

REACTIONS. (lb/size)
23 = 207/Mechanical
14 = 2301/0-5-8 (min. 0-1-8)
21 = 5132/0-5-8 (min. 0-2-12)
Max Horz
14 = -116(LC 4)
Max Uplift
23 = -12(LC 8)
14 = -291(LC 5)
21 = -615(LC 4)
Max Grav
23 = 388(LC 31)
14 = 2301(LC 1)
21 = 5132(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
9-10=-3805/504, 10-11=-2366/258, 11-12=-2404/249, 7-8=-2746/329, 8-24=-3689/501, 9-24=-3661/499, 3-4=-475/3854, 4-5=-2948/347, 1-2=-301/351, 2-35=-295/354, 3-35=-316/331, 12-14=-2241/315
BOT CHORD
22-26=-1497/125, 26-27=-1497/125, 21-27=-1497/125, 21-28=-3843/435, 20-28=-3843/435, 20-29=-319/2747, 19-29=-319/2747, 18-19=-540/4263, 18-30=-540/4263, 17-30=-540/4263, 17-31=-540/4263, 31-32=-540/4263, 16-32=-540/4263, 16-33=-256/2265, 15-33=-256/2265
WEBS
10-15=-1149/206, 10-16=-244/1641, 9-16=-253/209, 5-20=-2676/362, 4-20=-826/7262, 4-21=-3447/520, 8-17=0/469, 12-15=-249/2572, 3-21=-2928/459, 5-7=-3519/428, 2-22=-484/142, 3-22=-13/1506, 1-22=-402/285, 7-19=-120/1685, 8-19=-1795/256, 8-16=-844/84

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Refer to girder(s) for truss to truss connections.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Girder carries hip end with 8-0-0 and setback and tie-in span of 0-0-0 from subgirder.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 812 lb down and 198 lb up at 29-0-0, and 812 lb down and 198 lb up at 8-0-0 on top chord, and 723 lb down and 79 lb up at 18-2-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-12=-74, 12-13=-74, 6-9=-140, 3-5=-140, 14-23=-38(B=-22), 1-35=-74, 3-35=-140
Concentrated Loads (lb)
Vert: 19=-654(F) 24=-641 35=-641



Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	A807	MONO CAL HIP	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:25 2019 Page 1
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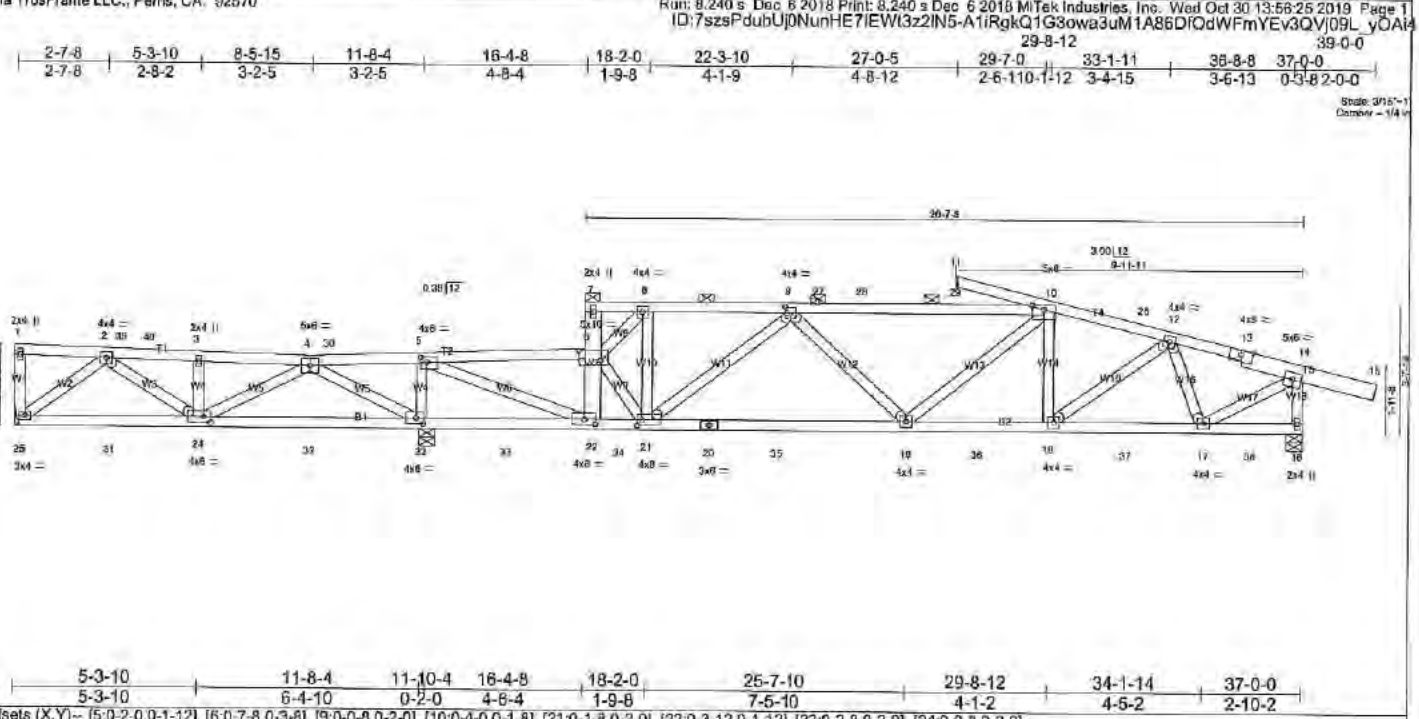

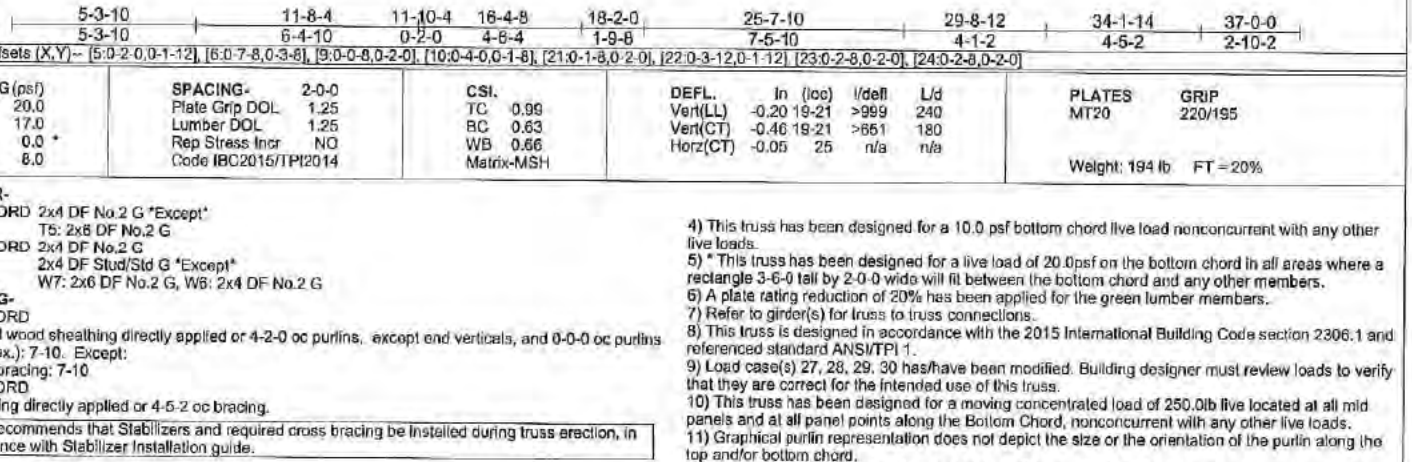

Plate Offsets (X,Y)-- [5:0-2-0,0-1-12], [6:0-7-8,0-3-8], [9:0-0-8,0-2-0], [10:0-4-0,0-1-8], [21:0-1-8,0-2-0], [22:0-3-12,0-1-12], [23:0-2-8,0-2-0], [24:0-2-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	-0.20 19-21	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.46 19-21	>651	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.66	Horz(CT)	-0.05 25	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH						Weight: 194 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T5: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W6: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-2-0 oc purlins, except end verticals, and 0-0-0 oc purlins (3-5-8 max.): 7-10. Except:
3-6-0 oc bracing: 7-10
BOT CHORD
Rigid ceiling directly applied or 4-5-2 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
25 = 242/Mechanical
16 = 1233/0-5-8 (min. 0-1-8)
23 = 2078/0-5-8 (min. 0-3-1)
Max Horz
16 = -152(LC 8)
Max Uplift
25 = -141(LC 28)
16 = -211(LC 9)
23 = -267(LC 8)
Max Grav
25 = 855(LC 27)
16 = 1251(LC 28)
23 = 2877(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
10-26=-1671/563, 12-26=-1713/562, 12-13=-1040/238, 13-14=-1102/226, 8-9=-1085/208, 9-27=-1766/544, 27-28=-1766/544, 28-29=-1766/544, 10-29=-1766/544, 4-30=-294/1863, 5-30=-292/1891, 5-6=-1278/239, 2-39=-907/446, 39-40=-928/459, 3-40=-934/457, 3-4=-932/460, 14-16=-1229/360
BOT CHORD
25-31=-343/991, 24-31=-343/991, 24-32=-1116/220, 23-32=-1116/220, 23-33=-1881/346, 22-33=-1881/346, 22-34=-168/1191, 21-34=-168/1191, 20-21=-423/1743, 20-35=-423/1743, 19-35=-423/1743, 19-36=-643/1748, 18-36=-643/1748, 18-37=-349/1295, 17-37=-349/1295
WEBS
12-18=-357/578, 10-18=-294/253, 6-22=-1061/220, 5-22=-567/2821, 5-23=-1599/293, 14-17=-192/1162, 4-23=-2342/149, 6-8=-1377/264, 3-24=-301/67, 4-24=-98/871, 8-21=-178/803, 9-21=-913/346, 9-19=-97/270, 10-19=-71/257, 12-17=-579/149, 2-25=-1248/458

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 29-7-0, Exterior(2) 27-0-5 to 32-3-2, Interior(1) 32-3-2 to 39-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-0-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 3-0-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 10-11=-74(F), 10-14=-74(F), 14-15=-74(F), 7-29=-74(F), 10-29=-34(F), 4-6=-74(F), 16-25=-16(F), 1-4=-74(F)
Concentrated Loads (lb)
Vert: 30=-691(F) 39=-691(F)
28) SOLAR STANDOFFS UP: Lumber Incre
Uniform Loads (plf)
Vert: 10-11=-74(F), 10-14=-74(F), 14-15
16-25=-16(F), 1-4=-74(F)
Concentrated Loads (lb)
Vert: 30=433(F) 39=433(F)
29) SOLAR STANDOFFS RIGHT: Lumber In
Uniform Loads (plf)
Vert: 10-11=-74(F), 10-14=-74(F), 14-15
16-25=-16(F), 1-4=-74(F)
Concentrated Loads (lb)
Horz: 30=55(F), 39=55(F)
30) SOLAR STANDOFFS LEFT: Lumber Inc
Uniform Loads (plf)
Vert: 10-11=-74(F), 10-14=-74(F), 14-15
16-25=-16(F), 1-4=-74(F)
Concentrated Loads (lb)
Horz: 30=-55(F), 39=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB09	HALF HIP	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:66:28 2019 Page 1
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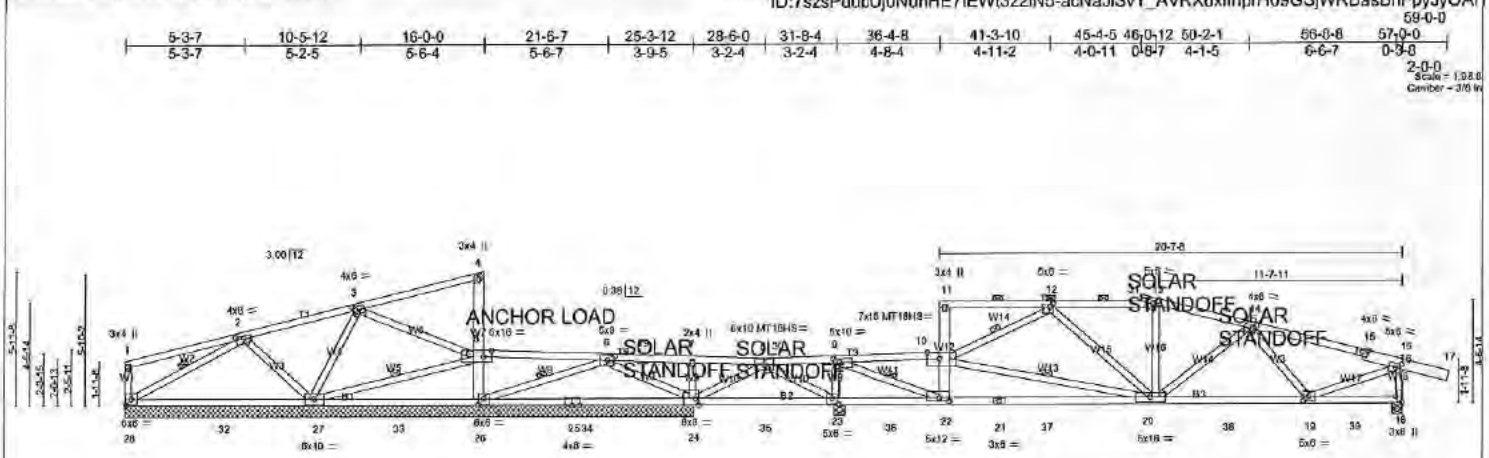

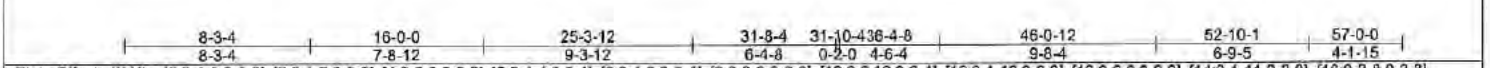

Plate Offsets (X,Y)-- [2:0-4-0,0-1-8], [3:0-1-7,0-2-0], [4:0-2-0,0-0-8], [5:0-4-4,0-3-4], [6:0-4-0,0-2-4], [9:0-3-0,0-2-0], [10:0-6-12,0-3-4], [12:0-1-12,0-2-0], [13:0-2-0,0-2-0], [14:0-1-11,0-2-0], [16:0-2-8,0-2-8], [18:Edge,0-3-8], [19:0-2-8,0-2-4], [22:0-5-4,0-1-12], [23:0-3-0,0-3-0], [24:0-1-12,Edge], [26:0-2-12,0-3-0], [28:0-2-12,0-3-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.95	Vert(LL) -0.35 20-22 >872 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.93	Vert(CT) -0.69 20-22 >435 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 1.00	Horz(CT) 0.17 18 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 306 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T2,T3: 2x4 DF No.1&Btr G, T6: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.1&Btr G *Except*
B3: 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7,W12: 2x6 DF No.2 G, W5,W8,W10,W11,W13,W2,W17: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-4-15 oc purlins, except end verticals, and 0-0-0 oc purlins (2-11-12 max.): 5-26, 10-22, 11-13. Except:
3-0-0 oc bracing: 11-13
BOT CHORD
Rigid ceiling directly applied.
WEBS
1 Row at midpt 5-27, 6-26, 9-22, 10-12, 10-20, 2-28

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 25-4-8 except (jt=length) 23=0-5-8, 18=0-5-8.
(lb) - Max Horz
28=-1732(LC 66)
Max Uplift
All uplift 100 lb or less at joint(s) except 26=-1086(LC 21), 27=-1349(LC 27), 24=-972(LC 22), 23=-1660(LC 21), 28=-1473(LC 19), 18=-1320(LC 22)
Max Grav
All reactions 250 lb or less at joint(s) except 26=1054(LC 24), 27=1516(LC 66), 24=1282(LC 64), 23=3961(LC 64), 28=1545(LC 40), 18=2199(LC 64)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-1342/1369, 2-3=-2254/2042, 3-4=-1557/1463, 5-26=-721/588, 4-5=-1035/1125, 5-6=-2150/2190, 6-29=-4406/4374, 7-29=-3556/3520, 7-8=-3472/3432, 8-30=-3630/4535, 9-30=-3436/4172, 9-10=-6059/5581, 10-22=-1954/1510, 10-11=-804/717, 11-12=-1174/1163, 12-31=-3124/1699, 13-31=-3111/777, 13-14=-3269/1331, 14-15=-2730/1437, 15-16=-2814/1854, 1-28=-282/204, 16-18=-2161/1326
BOT CHORD
28-32=-2504/2742, 27-32=-3072/2838, 27-33=-1317/1305, 26-33=-3013/3001, 25-26=-3120/3512, 25-34=-3972/3816, 24-34=-6651/6519, 24-35=-4696/4310, 23-35=-4696/4310, 23-36=-4985/4307, 22-36=-4985/4307, 21-22=-1607/2232, 21-37=-1607/2232, 20-37=-1607/2232, 20-38=-2373/3412, 19-38=-2373/3412
WEBS
2-27=-1265/1504, 3-27=-1091/1110, 3-5=-748/786, 5-27=-3083/3004, 6-26=-2260/2380, 6-24=-2134/2322, 7-24=-707/317, 8-24=-751/1276, 8-23=-1983/663, 9-23=-2845/1644, 9-22=-3895/5652, 10-12=-2811/2156, 10-20=-2239/2287, 12-20=-1179/1241, 13-20=-203/329, 14-19=-1229/972, 2-28=-2900/2838, 16-19=-1870/2780, 14-20=-702/797

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 41, 42, 64, 65, 66, 67 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 25-4-8 for 561.6 plf.
12) Girder carries tie-in spans of 4-0-0 from front girder and 4-0-0 from back girder.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 433 lb left and 433 lb right at 50-0-12, 691 lb down and 433 lb up and 433 lb left and 433 lb right at 46-0-12, and 691 lb down and 433 lb up and 433 lb left and 433 lb right at 29-0-8, and 691 lb down and 433 lb up and 433 lb left and 433 lb right at 23-0-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lumber Inc
Uniform Loads (plf)
Vert: 1-4=-114(F=-74, B=34), 5-8=-114(F=
13-31=-74, 13-16=-74, 16-17=-74, 18-28=
41) 0.6 Dead-Drag LC#1 Left: Lumber Increa
Uniform Loads (plf)
Vert: 1-4=42(F=-20, B=20), 5-6=-18(F=
9-10=-25(F=-20, B=20), 11-12=-41(F=-2
16-17=-20, 22-28=11(B=20), 18-22=-10
Horz: 1-4=1000, 6-29=8000, 7-29=8000,
12-31=10451, 13-31=10451, 13-15=100
Drag: 4-5=250, 5-6=250, 10-11=250, 11-
42) 0.6 Dead-Drag LC#1 Right: Lumber Incr
Uniform Loads (plf)
Vert: 1-4=-83(F=-20, B=20), 5-6=-23(F=
9-10=-16(F=-20, B=20), 11-12=-41(F=-2
16-17=-20, 22-28=11(B=20), 18-22=-10
Horz: 1-4=-1000, 6-29=-8000, 7-29=-800
12-31=-10451, 13-31=-10451, 13-15=-10
Drag: 4-5=-250, 5-6=-250, 10-11=-250, 1
64) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)

Continued on page 2

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-4=-114(F=-148, B=34), 5-8=-114(F=-148, B=34), 8-10=-114(F=-148, B=34), 11-31=-148(F), 13-31=-74(F), 13-16=-74(F), 16-17=-74(F), 18-28=-16(F)
Concentrated Loads (lb)
Vert: 13=-691(F) 14=-691(F) 29=-691(F) 30=-691(F)

65) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-114(F=-148, B=34), 5-8=-114(F=-148, B=34), 8-10=-114(F=-148, B=34), 11-31=-148(F), 13-31=-74(F), 13-16=-74(F), 16-17=-74(F), 18-28=-16(F)
Concentrated Loads (lb)
Vert: 13=433(F) 14=433(F) 29=433(F) 30=433(F)

66) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-114(F=-148, B=34), 5-8=-114(F=-148, B=34), 8-10=-114(F=-148, B=34), 11-31=-148(F), 13-31=-74(F), 13-16=-74(F), 16-17=-74(F), 18-28=-16(F)
Concentrated Loads (lb)
Horz: 13=433(F), 14=433(F), 29=433(F), 30=433(F)

67) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-114(F=-148, B=34), 5-8=-114(F=-148, B=34), 8-10=-114(F=-148, B=34), 11-31=-148(F), 13-31=-74(F), 13-16=-74(F), 16-17=-74(F), 18-28=-16(F)
Concentrated Loads (lb)
Horz: 13=-433(F), 14=-433(F), 29=-433(F), 30=-433(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB10-1	HALF HIP	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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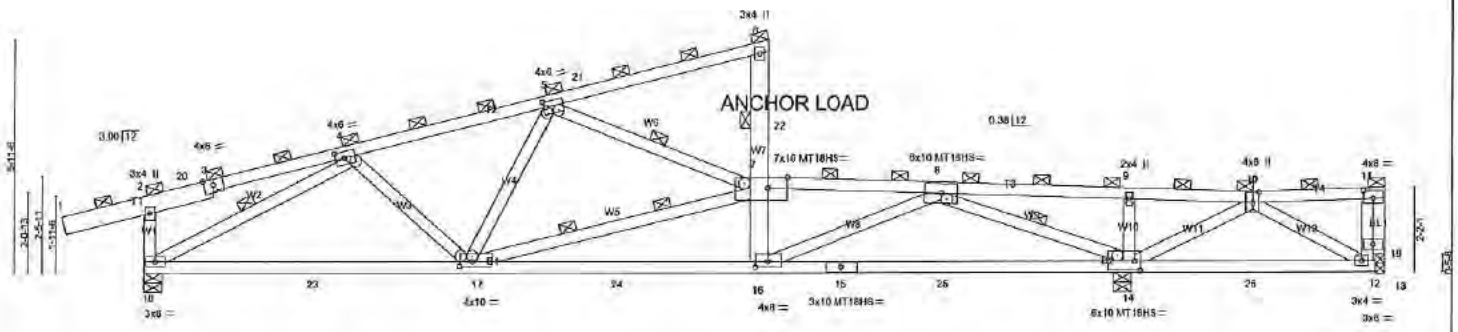
-2-0-0	5-3-10	10-5-12	16-0-0	20-5-12	25-3-12	28-5-15	31-6-12	31-10-4
2-0-0	5-3-10	5-2-3	5-6-4	4-5-12	4-10-0	3-2-3	3-0-13	0-3-8

Scale = 1:58.6
Camber = 3/8 in



8-3-4	16-0-0	25-1-12	25-3-12	31-10-4
8-3-4	7-8-12	9-1-12	0-2-0	6-6-8

Plate Offsets (X,Y)-- [4:0-2-10,0-2-0], [5:0-0-11,0-1-12], [7:0-6-0,0-3-4], [10:0-3-4,0-1-12], [11:0-3-0,0-2-8], [14:0-1-12,0-3-0], [16:0-3-12,0-1-12], [17:0-3-12,0-1-8]

LOADING (psf)		SPACING-	2-2-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	-0.62	16-17	>486	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.98	16-17	>309	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.19	14	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 170 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G, T3: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G *Except*
B2: 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W8: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
2-0-0 oc purlins (2-0-13 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD
Rigid ceiling directly applied or 5-0-5 oc bracing.
WEBS
1 Row at midpt 5-7, 8-14, 4-18
2 Rows at 1/3 pts 7-17

REACTIONS. (lb/size)
14 = 1777/0-5-8 (min. 0-2-15)
18 = 1361/0-5-8 (min. 0-2-0)
19 = 91/0-2-12 (min. 0-1-8)
Max Horz
18 = 1667(LC 29)
Max Uplift
14 = -174(LC 9)
18 = -184(LC 8)
19 = -13(LC 13)
Max Grav
14 = 2732(LC 28)
18 = 1877(LC 28)
19 = 206(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-5=-3055/153, 5-21=-816/488, 6-21=-767/564, 7-16=-1615/666,
7-22=-1777/1483, 6-22=-289/81, 7-8=-8019/1814, 8-9=-80/598,
9-10=-85/595, 2-18=-428/180
BOT CHORD
18-23=-407/2678, 17-23=-407/2678, 17-24=-1763/7536, 16-24=-1763/7536,
15-16=-606/4078, 15-25=-606/4078, 14-25=-606/4078, 12-13=0/340
WEBS
4-17=-291/564, 5-17=-254/1287, 5-7=-2328/229, 7-17=-5322/2105,
8-16=-1311/4287, 8-14=-5064/396, 9-14=-342/97, 10-14=-663/111,
10-13=0/261, 4-18=-2793/147

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 1-1-9, Interior(1) 1-1-9 to 31-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Bearing at joint(s) 19 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-18=-16(F)
Concentrated Loads (lb)
Vert: 22=1667(F)
28) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-11=-74(F), 12-18=-16(F)
Concentrated Loads (lb)
Vert: 22=-1667(F)
29) Anchor Load #1 LEFT: Lumber Increase
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F
Concentrated Loads (lb)
Horz: 22=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Increas
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F
Concentrated Loads (lb)
Horz: 22=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB10-2	HALF HIP	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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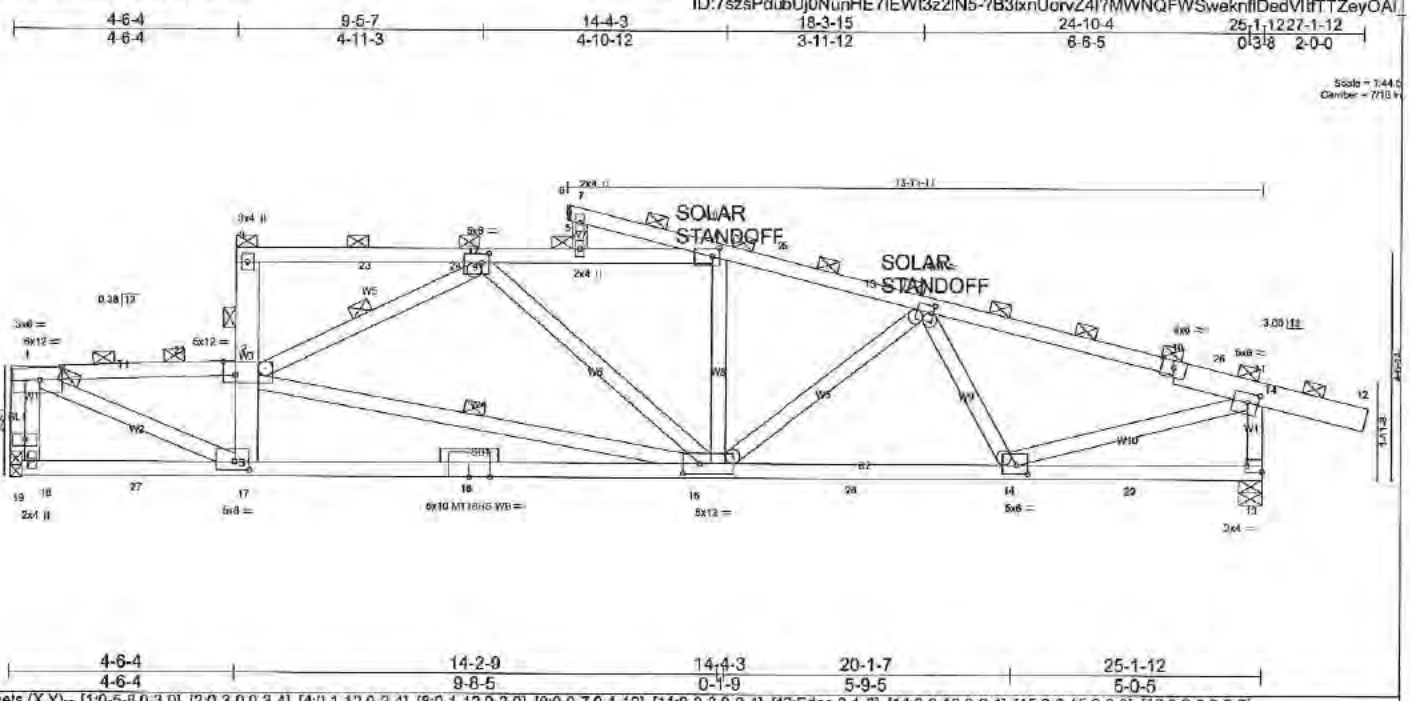

Plate Offsets (X,Y)-- [1:0-5-8,0-3-0], [2:0-3-0,0-3-4], [4:0-1-12,0-2-4], [8:0-1-12,0-2-0], [9:0-0-7,0-1-12], [11:0-2-8,0-2-4], [13:Edge,0-1-8], [14:0-2-12,0-2-4], [15:0-3-15,0-2-8], [17:0-3-8,0-2-0]

LOADING (psf)	SPACING- 2-2-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.68	Vert(LL) -0.32 15-17 >922 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.86	Vert(CT) -0.78 15-17 >385 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.67	Horz(CT) 0.12 13 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 152 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T4: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W3: 2x6 DF No.2 G, W2,W10: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
2-0-0 oc purlins (2-8-11 max.), except end verticals, and
(Switched from sheeted: Spacing > 2-0-0). Except:
3-1-0 oc bracing: 3-5
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS
1 Row at midpt 2-4, 2-15

REACTIONS. (lb/size)
13 = 1401/0-5-8 (min. 0-2-7)
21 = 1183/0-2-12 (min. 0-1-8)
Max Horz
21 = -169(LC 8)
Max Uplift
13 = -175(LC 9)
21 = -104(LC 8)
Max Grav
13 = 2299(LC 27)
21 = 1667(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-22=-3799/355, 2-22=-3802/353, 2-17=-1418/204, 3-23=-279/88, 23-24=-279/68, 4-24=-279/68, 4-5=-3243/215, 5-8=-3242/215, 8-25=-3324/181, 9-25=-3386/165, 9-10=-3132/134, 10-26=-3206/109, 11-26=-3224/108, 11-13=-2246/205
BOT CHORD
18-27=-12/333, 17-27=-12/333, 16-17=-103/3501, 15-16=-103/3501, 15-28=-109/3528, 14-28=-109/3528
WEBS
18-20=0/302, 1-20=0/302, 1-17=-307/3784, 2-4=-2563/246, 2-15=-976/66, 8-15=-142/322, 9-15=-338/99, 9-14=-1034/78, 11-14=-34/3111, 4-15=-105/984, 1-21=-1714/154

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 3-5-4, Interior(1) 3-5-4 to 4-9-0, Exterior(2) 4-9-0 to 8-11-15, Interior(1) 8-11-15 to 11-5-1, Exterior(2) 11-2-1 to 15-5-0, Interior(1) 15-5-0 to 27-2-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 18-4-0, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 14-2-9 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-80(F), 3-5=-80(F), 6-7=-37(F), 7-8=-80(F), 8-11=-80(F), 11-12=-80(F), 13-19=-17(F)
Concentrated Loads (lb)
Vert: 8=-691(F) 9=-691(F)
28) SOLAR STANDOFFS up: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-80(F), 3-5=-80(F), 6-7=-37(F)
Concentrated Loads (lb)
Vert: 8=433(F) 9=433(F)
29) SOLAR STANDOFFS RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-2=-80(F), 3-5=-80(F), 6-7=-37(F
Concentrated Loads (lb)
Horz: 8=55(F), 9=55(F)
30) SOLAR STANDOFFS LEFT: Lumber In
Uniform Loads (plf)
Vert: 1-2=-80(F), 3-5=-80(F), 6-7=-37(F
Concentrated Loads (lb)
Horz: 8=-55(F), 9=-55(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB11	ROOF SPECIAL	9	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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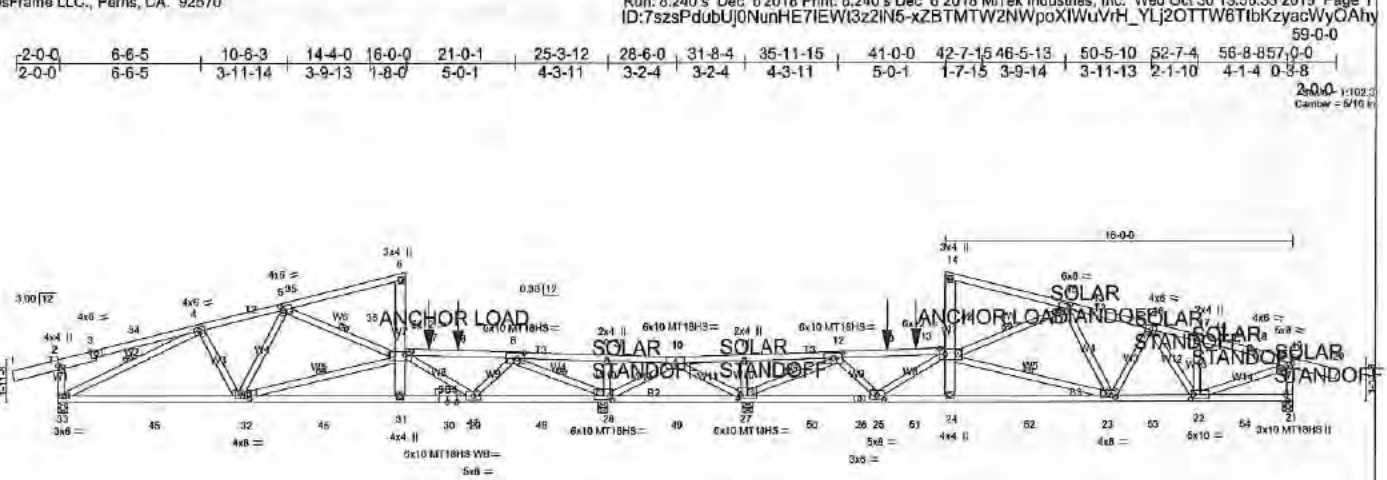

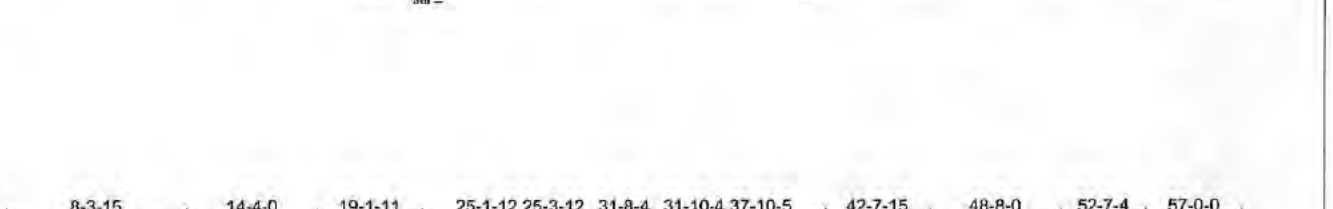

Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [5:0-0-11,0-2-0], [7:0-3-8,0-2-0], [8:0-4-0,0-3-0], [12:0-4-12,0-2-12], [13:0-2-12,0-3-0], [15:0-0-3,0-2-8], [19:0-3-0,0-2-8], [21:0-3-8,Edge], [22:0-1-8,0-2-8], [23:0-4-0,0-1-8], [25:0-4-0,0-2-4], [27:0-1-8,0-1-8], [28:0-1-8,0-2-8], [32:0-4-0,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.80	Vert(LL)	-0.39	31-32	>779	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.75	Vert(CT)	-0.74	23-24	>411	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr YES	WB 0.93	Horz(CT)	0.19	21	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 316 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W14: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-1-10 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
3-4-8 oc bracing: 27-28
10-0-0 oc bracing: 21-22.
WEBS
1 Row at midpt 7-32, 8-28, 12-27, 13-23, 4-33, 5-7, 13-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8.
(lb) - Max Horz
33=1667(LC 29)
Max Uplift
All uplift 100 lb or less at joint(s) except 28=-287(LC 27), 27=-300(LC 31), 21=-161(LC 9), 33=-165(LC 8)
Max Grav
All reactions 250 lb or less at joint(s) except 28=3557(LC 28), 27=3520(LC 32), 21=3248(LC 35), 33=1614(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-35=-2459/125, 5-35=-2394/140, 5-6=-854/677, 7-31=0/317, 7-36=-1807/1477, 6-36=-326/76, 7-37=-2536/210, 37-38=-2540/203, 8-38=-2547/202, 8-9=-402/4435, 9-39=-395/4436, 10-39=-402/4434, 10-11=-407/4366, 11-12=-408/4365, 12-40=-2598/199, 40-41=-2590/201, 13-41=-2587/207, 13-24=0/326, 13-42=-1802/1482, 14-42=-322/55, 14-15=-859/684, 15-43=-3349/149, 16-43=-3413/147, 16-17=-3397/149, 17-44=-3393/154, 18-44=-3433/122, 18-19=-3471/109, 2-33=-478/202, 19-21=-3195/179
BOT CHORD
33-45=-273/2878, 32-45=-273/2878, 32-46=-1029/5049, 31-46=-1029/5049, 31-47=-1061/5324, 30-47=-1061/5324, 29-30=-1061/5324, 29-48=-298/1362, 28-48=-298/1362, 28-49=-3296/115, 27-49=-3296/115, 27-50=-1/1129, 26-50=-1/1129, 25-26=-1/1129, 25-51=-1062/5358, 24-51=-1062/5358, 24-52=-1019/5085, 23-52=-1019/5085, 23-53=-92/3585, 22-53=-92/3585
WEBS
4-32=-266/226, 5-32=-87/982, 7-32=-3233/1492, 7-29=-3311/1020, 8-29=-651/2523, 8-28=-5797/222, 9-28=-937/101, 10-28=-1475/1332, 10-27=-1450/1393, 11-27=-997/140, 12-27=-5783/227, 12-25=-657/2510, 13-25=-3292/1024, 13-23=-3260/1478, 15-23=-137/952, 16-23=-563/346, 4-33=-2338/93, 5-7=-1913/177, 13-15=-3009/203, 17-22=-755/208, 16-22=-631/70, 19-22=-135/3476

NOTES-
1) Unbalanced roof live loads have been considered for this design.
Continued on page 2

2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 3-7-12, Interior(1) 3-7-12 to 41-2-12, Exterior(2) 41-2-12 to 46-11-2, Interior(1) 46-11-2 to 59-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 17-9-0 from left end, supported at two points, 1-4-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 38-4-0, 38 lb down at 39-8-0, 38 lb down at 17-1-0, 38 lb down at 18-5-0, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 56-7-4, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 52-7-4, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 31-9-8, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-9-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 50-2-6, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 46-2-6 on top chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lumber In
Uniform Loads (plf)
Vert: 1-2=-74, 2-6=-74, 7-10=-74, 10-13=
Concentrated Loads (lb)
Vert: 37=-38 38=-38 40=-38(F) 41=-38(F
27) Anchor Load #1 UP: Lumber Increase=
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(
21-33=-16(F)
Concentrated Loads (lb)
Vert: 36=1667(F) 37=-38(F) 38=-38(F)
28) Anchor Load #1 DOWN: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(
21-33=-16(F)
Concentrated Loads (lb)
Vert: 36=-1667(F) 37=-38(F) 38=-38(F)
29) Anchor Load #1 LEFT: Lumber Increas
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(
21-33=-16(F)

[redacted]

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Vert: 37=-38(F) 38=-38(F) 40=-38(F) 41=-38(F)
Horz: 36=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 21-33=-16(F)
Concentrated Loads (lb)
Vert: 37=-38(F) 38=-38(F) 40=-38(F) 41=-38(F)
Horz: 38=1667(F)
31) Anchor Load #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 21-33=-16(F)
Concentrated Loads (lb)
Vert: 37=-38(F) 38=-38(F) 40=-38(F) 41=-38(F) 42=1667(F)
32) Anchor Load #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 21-33=-16(F)
Concentrated Loads (lb)
Vert: 37=-38(F) 38=-38(F) 40=-38(F) 41=-38(F) 42=-1667(F)
33) Anchor Load #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 21-33=-16(F)
Concentrated Loads (lb)
Vert: 37=-38(F) 38=-38(F) 40=-38(F) 41=-38(F)
Horz: 42=-1667(F)
34) Anchor Load #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 21-33=-16(F)
Concentrated Loads (lb)
Vert: 37=-38(F) 38=-38(F) 40=-38(F) 41=-38(F)
Horz: 42=1667(F)
35) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 21-33=-16(F)
Concentrated Loads (lb)
Vert: 11=-691(F) 15=-691(F) 16=-691(F) 19=-691(F) 17=-691(F) 37=-38(F) 38=-38(F) 39=-691(F) 40=-38(F) 41=-38(F)
36) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 21-33=-16(F)
Concentrated Loads (lb)
Vert: 11=433(F) 15=433(F) 16=433(F) 19=433(F) 17=433(F) 37=-38(F) 38=-38(F) 39=433(F) 40=-38(F) 41=-38(F)
37) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 21-33=-16(F)
Concentrated Loads (lb)
Vert: 37=-38(F) 38=-38(F) 40=-38(F) 41=-38(F)
Horz: 11=55(F), 15=55(F), 16=55(F), 19=55(F), 17=55(F), 39=55(F)
38) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 21-33=-16(F)
Concentrated Loads (lb)
Vert: 37=-38(F) 38=-38(F) 40=-38(F) 41=-38(F)
Horz: 11=-55(F), 15=-55(F), 16=-55(F), 19=-55(F), 17=-55(F), 39=-55(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB11-1	HALF HIP	6	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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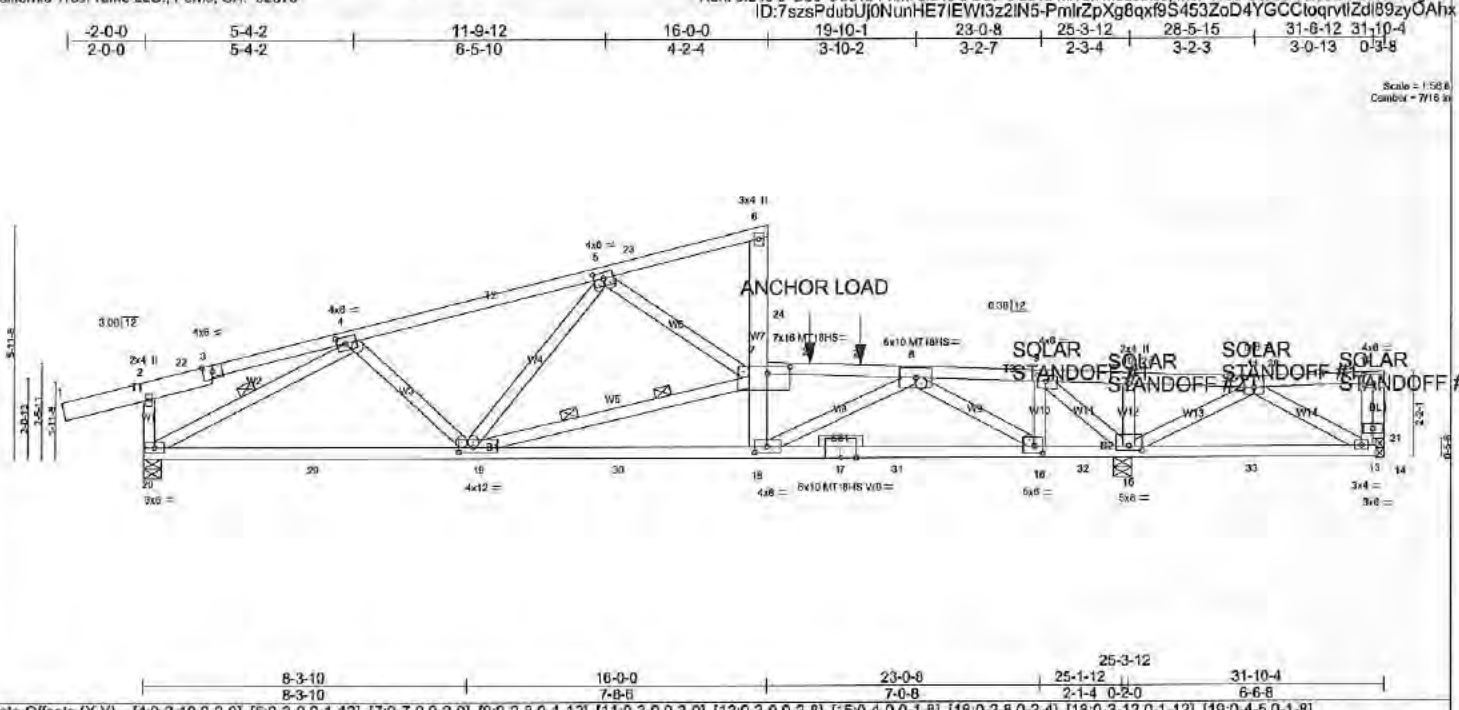


Plate Offsets (X,Y)-- [4:0-2-10,0-2-0], [5:0-3-0,0-1-12], [7:0-7-0,0-2-0], [9:0-2-8,0-1-12], [11:0-3-0,0-3-0], [12:0-3-0,0-2-8], [15:0-4-0,0-1-8], [16:0-2-8,0-2-4], [18:0-3-12,0-1-12], [19:0-4-5,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.86	Vert(LL)	-0.64	18-19	>473	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-1.05	18-19	>288	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.19	15	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 175 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B1: 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5: 2x4 DF No.1&Btr G, W8: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-8-4 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 5-2-9 oc bracing.
WEBS
1 Row at midpt 4-20
2 Rows at 1/3 pts 7-19

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
15 = 1699/0-5-8 (min. 0-3-3)
20 = 1278/0-5-8 (min. 0-2-0)
21 = 79/0-2-12 (min. 0-1-8)
Max Horz
20 = -1667(LC 30)
Max Uplift
15 = -110(LC 9)
20 = -147(LC 8)
21 = -309(LC 36)
Max Grav
15 = 2990(LC 31)
20 = 1897(LC 28)
21 = 697(LC 35)

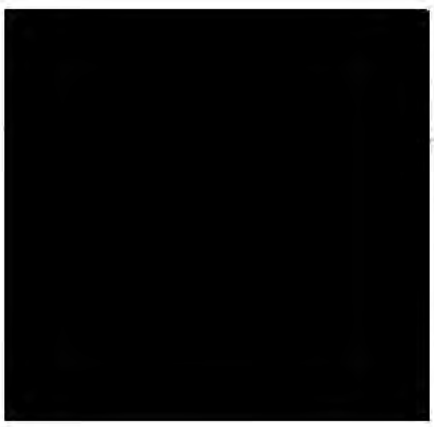
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-5=-3086/88, 5-23=-780/481, 6-23=-766/538, 7-18=-1861/710,
7-24=-1700/1559, 7-25=-8554/1720, 25-26=-8549/1724, 8-26=-8543/1733,
8-9=-1787/330, 9-10=-82/1545, 10-27=-78/1546, 11-27=-83/1540,
2-20=-388/160
BOT CHORD
20-29=-349/2752, 19-29=-349/2752, 19-30=-1649/7999, 18-30=-1649/7999,
17-18=-568/4696, 17-31=-568/4696, 16-31=-568/4696, 16-32=-326/1783,
15-32=-326/1783, 13-14=0/344
WEBS
4-19=-354/494, 5-19=-170/1710, 5-7=-2069/176, 7-19=-6233/1993,
9-15=-3266/109, 10-15=-908/248, 11-15=-1742/117, 11-14=-41/260,
4-20=-2867/107, 8-18=-1291/4302, 8-16=-3458/288, 9-16=-91/1885,
12-21=-712/314

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 1-1-9, Interior(1) 1-1-9 to 31-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 17-9-0 from left end, supported at two points, 1-4-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 17-1-0, 38 lb down at 18-5-0, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 29-0-8, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 23-0-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 31-5-0, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-9-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-7
Concentrated Loads (lb)
Vert: 24=1667(F) 25=-38(F) 26=-38(F
28) Anchor Load #1 DOWN: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-7
Concentrated Loads (lb)
Vert: 24=-1667(F) 25=-38(F) 26=-38(
29) Anchor Load #1 LEFT: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-7
Concentrated Loads (lb)
Vert: 25=-38(F) 26=-38(F)
Horz: 24=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-7
Concentrated Loads (lb)
Vert: 25=-38(F) 26=-38(F)
Horz: 24=1667(F)
31) SOLAR STANDOFFS DOWN: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-74(F), 11-12=-74(F), 13-20=-16(F)

Continued on page 2

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Vert: 9=-691(F) 25=-38(F) 26=-38(F) 28=-691(F)
32) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-74(F), 11-12=-74(F), 13-20=-16(F)
Concentrated Loads (lb)
Vert: 9=433(F) 25=-38(F) 26=-38(F) 28=433(F)
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-74(F), 11-12=-74(F), 13-20=-16(F)
Concentrated Loads (lb)
Vert: 25=-38(F) 26=-38(F)
Horz: 9=55(F), 28=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-74(F), 11-12=-74(F), 13-20=-16(F)
Concentrated Loads (lb)
Vert: 25=-38(F) 26=-38(F)
Horz: 9=-55(F), 28=-55(F)
35) SOLAR STANDOFFS #2 DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-74(F), 11-12=-74(F), 13-20=-16(F)
Concentrated Loads (lb)
Vert: 12=-691(F) 25=-38(F) 26=-38(F) 27=-691(F)
36) SOLAR STANDOFFS #2 UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-74(F), 11-12=-74(F), 13-20=-16(F)
Concentrated Loads (lb)
Vert: 12=433(F) 25=-38(F) 26=-38(F) 27=433(F)
37) SOLAR STANDOFFS #2 RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-74(F), 11-12=-74(F), 13-20=-16(F)
Concentrated Loads (lb)
Vert: 25=-38(F) 26=-38(F)
Horz: 12=55(F), 27=55(F)
38) SOLAR STANDOFFS #2 LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-11=-74(F), 11-12=-74(F), 13-20=-16(F)
Concentrated Loads (lb)
Vert: 25=-38(F) 26=-38(F)
Horz: 12=-55(F), 27=-55(F)



Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB11-2	Roof Special	8	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:36 2019 Page 1
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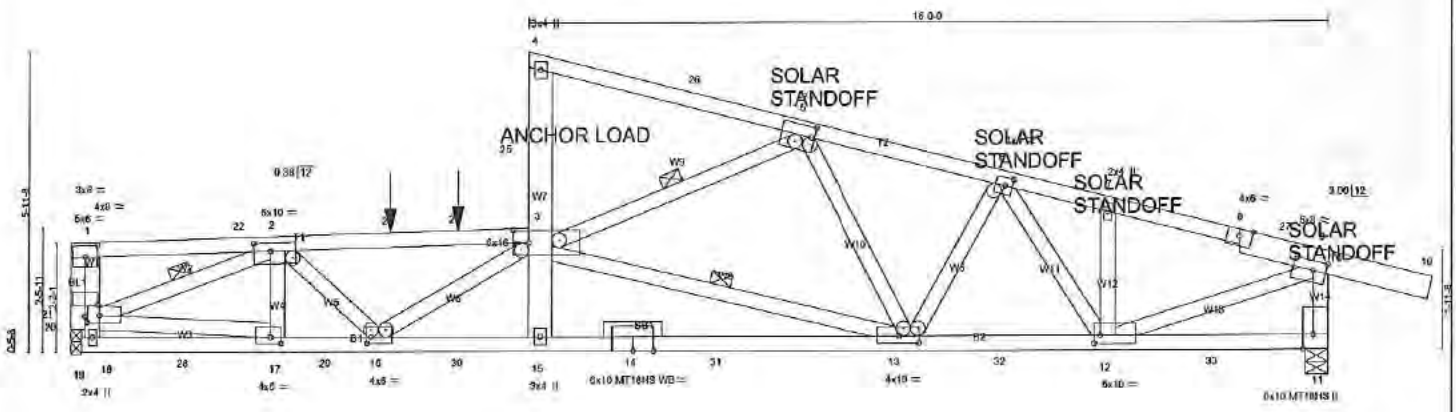
4-3-9	9-1-12	14-7-10	18-6-9	20-9-0	24-10-4	25-1-12	27-1-12
4-3-9	4-10-3	5-5-14	3-11-0	2-2-7	4-1-4	0-3-8	2-0-0

Scale = 1:44.3
Camber = 3/8 in



6-1-14	9-1-12	16-9-13	20-9-0	25-1-12
6-1-14	2-11-14	7-8-2	3-11-3	4-4-12

Plate Offsets (X,Y)-- [1:0-3-0,0-2-12], [2:0-4-0,0-2-0], [3:0-3-12,0-3-0], [5:0-0-11,0-2-8], [6:0-1-12,0-2-0], [9:0-3-0,0-2-4], [11:0-3-8,Edge], [12:0-1-8,0-2-0], [13:0-4-13,0-1-12], [16:0-1-0,0-1-8], [17:0-2-8,0-1-8], [20:0-3-0,0-1-12], [20:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.47	13-15	>638	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.90	13-15	>332	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.17	11	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 155 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W8: 2x4 DF No.1&Btr G, W1,W3,W13: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 5-7-13 oc bracing.
WEBS
1 Row at midpt 3-5, 3-13, 2-20

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
11 = 1311/0-5-8 (min. 0-3-12)
21 = 1141/0-2-12 (min. 0-1-8)
Max Horz
21 = 1667(LC 29)
Max Uplift
11 = -138(LC 9)
21 = -12(LC 8)
Max Grav
11 = 3492(LC 31)
21 = 2130(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-22=-331/18, 2-22=-323/19, 2-23=-5429/649, 23-24=-5423/650, 3-24=-5422/655, 3-15=0/332, 3-25=-1791/1482, 4-25=-318/55, 4-26=-843/665, 5-26=-890/621, 5-6=-3973/146, 6-7=-3773/147, 7-8=-3812/122, 8-27=-3834/108, 9-27=-3851/106, 9-11=-3434/157
BOT CHORD
18-28=-22/712, 17-28=-22/712, 17-29=-144/4012, 16-29=-144/4012, 16-30=-1420/7437, 15-30=-1420/7437, 14-15=-1366/7090, 14-31=-1366/7090, 13-31=-1366/7090, 13-32=-89/4056, 12-32=-89/4056
WEBS
18-20=0/301, 1-20=-61/2003, 2-16=-716/1996, 3-16=-2431/929, 3-5=-3415/164, 3-13=-4828/1754, 5-13=-202/1314, 6-13=-426/410, 2-17=-251/181, 17-20=-122/3312, 2-20=-4052/183, 6-12=-859/108, 9-12=-83/3863, 7-12=-741/212, 1-21=-2181/39

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 3-5-4, Interior(1) 3-5-4 to 9-4-8, Exterior(2) 9-4-8 to 12-4-8, Interior(1) 12-4-8 to 27-2-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 7-0-12 from left end, supported at two points, 1-4-0 apart.
4) All plates are MT20 plates unless otherwise indicated.
Continued on page 2

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 38-4-0, 38 lb down at 39-8-0, 691 lb down and 433 lb up at 24-9-0, 691 lb down and 433 lb up at 20-9-0, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 18-4-0, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 14-4-0, and 38 lb down at 6-4-12, and 38 lb down at 7-8-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-3=-74(F), 4-9=-74(F), 9-10=-74(F), 11-18=-16(F)
Concentrated Loads (lb)
Vert: 25=1667(F)
28) Anchor Load #1 DOWN: Lumber Inc
Uniform Loads (plf)
Vert: 1-3=-74(F), 4-9=-74(F), 9-10=-
Concentrated Loads (lb)
Vert: 25=-1667(F)
29) Anchor Load #1 LEFT: Lumber Incr
Uniform Loads (plf)
Vert: 1-3=-74(F), 4-9=-74(F), 9-10=-
Concentrated Loads (lb)
Horz: 25=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Inc
Uniform Loads (plf)
Vert: 1-3=-74(F), 4-9=-74(F), 9-10=-
Concentrated Loads (lb)
Horz: 25=1667(F)
31) SOLAR STANDOFFS DOWN: Lumb
Uniform Loads (plf)
Vert: 1-3=-74(F), 4-9=-74(F), 9-10=-
Concentrated Loads (lb)
Vert: 5=-691(F) 6=-691(F) 9=-691(F
32) SOLAR STANDOFFS UP: Lumber I
Uniform Loads (plf)
Vert: 1-3=-74(F), 4-9=-74(F), 9-10=-74(F), 11-19=-16(F)

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Vert: 5=433(F) 6=433(F) 9=433(F) 7=433(F) 23=-38(F) 24=-38(F)
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-74(F), 4-9=-74(F), 9-10=-74(F), 11-19=-16(F)
Concentrated Loads (lb)
Vert: 23=-38(F) 24=-38(F)
Horz: 5=55(F), 6=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-74(F), 4-9=-74(F), 9-10=-74(F), 11-19=-16(F)
Concentrated Loads (lb)
Vert: 23=-38(F) 24=-38(F)
Horz: 5=-55(F), 6=-55(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB11-3	ROOF SPECIAL	5	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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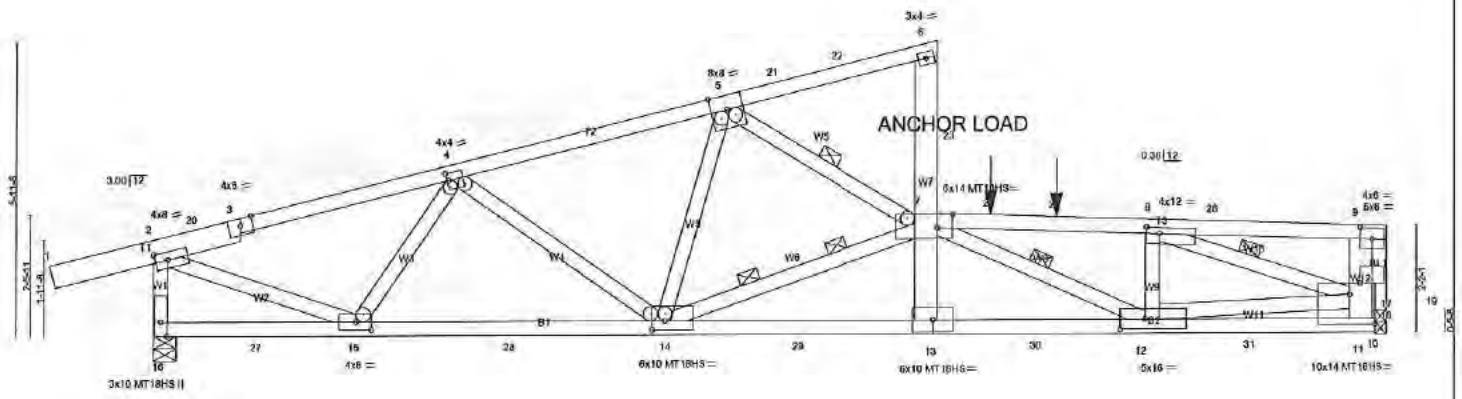
-2-0-0	6-2-3	11-8-8	16-0-0	20-2-12	24-10-4	25-1-12
2-0-0	6-2-3	5-6-4	4-3-9	4-2-12	4-7-8	0-3-8

Scale = 1:45.2
Camber = 1/4 in



4-1-9	10-3-2	16-0-0	20-3-14	25-1-12
4-1-9	6-1-9	5-8-14	4-3-14	4-9-14

Plate Offsets (X,Y)-- [2:0-3-2,0-2-0], [4:0-0-7,0-1-12], [7:0-3-12,0-3-4], [8:0-3-4,0-1-8], [9:0-3-0,0-2-12], [11:0-2-12,0-0-0], [11:Edge,0-7-4], [12:0-6-0,0-2-8], [14:0-3-1,0-2-4], [15:0-3-12,0-2-0], [17:0-2-8,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.59	13-14	>503	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.82	13-14	>364	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.00		n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T3: 2x4 DF No.1&Btr G, T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF SS G, W6: 2x4 DF No.2 G, W12: 2x6 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 2-5-6 oc bracing.
WEBS
1 Row at midpt 5-7, 7-12, 8-17
2 Rows at 1/3 pts 7-14

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
16 = 1335/0-5-8 (min. 0-2-13)
19 = 1110/0-2-12 (min. 0-1-8)
Max Horz
16 = 6367(LC 28)
19 = -6367(LC 28)
Max Uplift
16 = -132(LC 8)
19 = -926(LC 27)
Max Grav
16 = 2632(LC 28)
19 = 3147(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-20=-3485/495, 3-20=-3468/517, 3-4=-3446/601, 4-5=-5006/1556,
5-21=-1584/1346, 21-22=-1565/1381, 6-22=-1519/1404, 7-13=0/321,
7-23=-3383/3178, 6-23=-419/214, 7-24=-8065/2977, 24-25=-8068/2971,
8-25=-8075/2966, 8-26=-1243/384, 9-26=-1251/377, 2-16=-2580/144
BOT CHORD
16-27=-6277/2643, 15-27=-6277/2643, 15-28=-2261/1874,
14-28=-2261/1874, 14-29=-3126/5761, 13-29=-3126/5761,
13-30=-3312/6240, 12-30=-3312/6240, 12-31=-1049/561, 11-31=-1049/561
WEBS
11-18=0/286, 17-18=-3871/1609, 9-17=-1029/2938, 4-14=-905/881,
5-14=-1322/3048, 5-7=-4312/1121, 7-14=-8764/4992, 7-12=-5058/3293,
8-12=-1285/1963, 12-17=-811/2597, 8-17=-7123/2658, 2-15=-602/3466,
4-15=-1489/391, 9-19=-3263/955

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 24-7-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 17-9-0 from left end, supported at two points, 1-4-0 apart.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Bearing at joint(s) 19 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
10) Non Standard bearing condition. Review required.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 17-1-0, and 38 lb down at 18-5-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74(F), 10-16=-16(F)
Concentrated Loads (lb)
Vert: 23=3334(F) 24=-38(F) 25=-3
28) Anchor Load #1 DOWN: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-
Concentrated Loads (lb)
Vert: 23=-3334(F) 24=-38(F) 25=-3
29) Anchor Load #1 LEFT: Lumber Inc
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-
Concentrated Loads (lb)
Vert: 24=-38(F) 25=-38(F)
Horz: 23=-3334(F)
30) Anchor Load #1 RIGHT: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-
Concentrated Loads (lb)
Vert: 24=-38(F) 25=-38(F)
Horz: 23=3334(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 65
M29679 CHESTNUT SQUARE	AB11-4	ROOF SPECIAL	3	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:39 2019 Page 1
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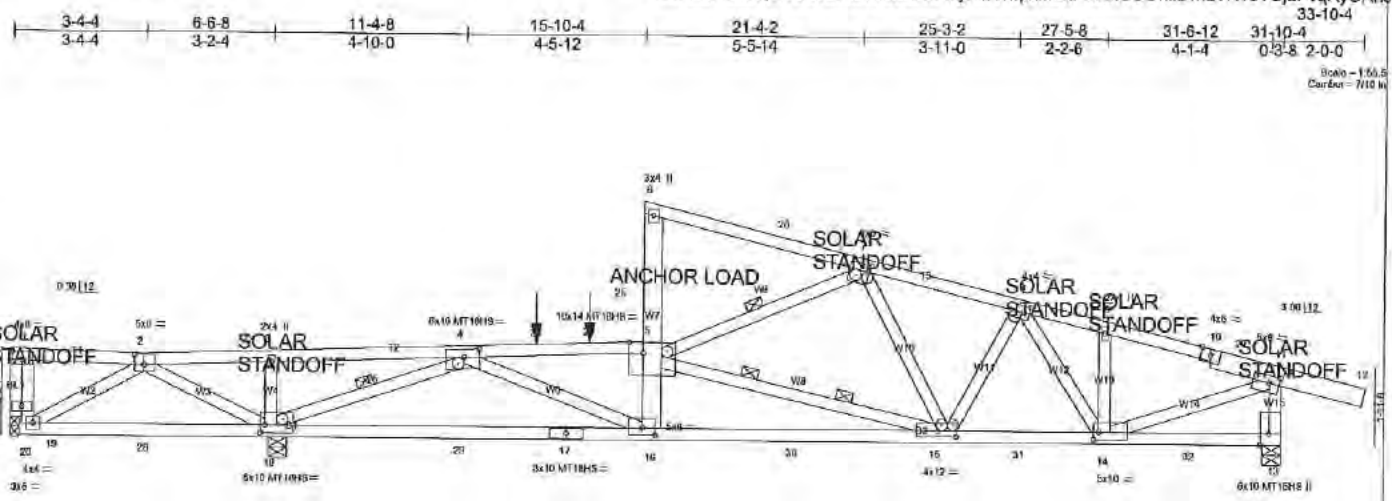

Plate Offsets (X,Y)-- [1:0-3-0,0-2-8], [2:0-2-12,0-3-0], [4:0-4-8,0-2-8], [5:0-4-4,0-3-4], [7:0-0-3,0-2-0], [8:0-1-12,0-2-0], [11:0-3-0,0-2-4], [13:0-3-8,Edge], [14:0-1-8,0-2-4], [15:0-5-9,0-1-12], [16:0-3-12,0-2-0], [18:0-1-8,0-2-4]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.74	Vert(LL) -0.66 15-16 >459 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.82	Vert(CT) -1.13 15-16 >268 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr YES	WB 0.99	Horz(CT) -0.30 18 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 176 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T2: 2x4 DF No.1&Btr G, T4: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B2: 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W8,W8,W14: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-0-13 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 5-2-1 oc bracing.
WEBS
1 Row at midpt 4-18, 5-7
2 Rows at 1/3 pts 5-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
13 = 1277/0-5-8 (min. 0-3-11)
18 = 1699/0-5-8 (min. 0-3-5)
21 = 79/0-2-12 (min. 0-1-8)
Max Horz
21 = 1667(LC 29)
Max Uplift
13 = -160(LC 9)
18 = -51(LC 8)
21 = -638(LC 30)
Max Grav
13 = 3432(LC 31)
18 = 3102(LC 31)
21 = 797(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-22=-2219/3192, 3-22=-2212/3194, 3-4=-2218/3193, 4-23=-8553/1706, 23-24=-8557/1698, 5-24=-8562/1694, 5-16=-1799/686, 5-25=-1779/1479, 6-25=-278/55, 6-26=-720/509, 7-26=-767/451, 7-8=-3839/148, 8-9=-3680/148, 9-10=-3718/123, 10-27=-3736/113, 11-27=-3757/107, 11-13=-3374/179
BOT CHORD
18-29=-471/4201, 17-29=-471/4201, 16-17=-471/4201, 16-30=-1651/7997, 15-30=-1651/7997, 15-31=-91/3941, 14-31=-91/3941
WEBS
1-20=-756/772, 2-20=-1659/1749, 2-18=-1718/645, 3-18=-905/100, 4-18=-5225/125, 4-16=-1334/4737, 5-7=-3285/205, 5-15=-5765/1995, 7-15=-195/1384, 8-15=-455/410, 9-14=-745/67, 8-14=-856/120, 11-14=-84/3766, 1-21=-814/650

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 3-4-4, Interior(1) 3-4-4 to 16-1-0, Exterior(2) 16-1-0 to 19-3-4, Interior(1) 19-3-4 to 33-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 13-10-4 from left end, supported at two points, 1-4-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 27, 28, 29, 30, 31 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 13-2-4, 38 lb down at 14-6-4, 691 lb down at 31-5-8, 691 lb down at 27-5-8, 691 lb down at 25-0-10, 691 lb down at 21-0-10, and 691 lb down at 5-11-12, and 691 lb down at 0-5-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-11=-74
Concentrated Loads (lb)
Vert: 23=-38(F) 24=-38(F) 25=1667(F)
28) Anchor Load #1 DOWN: Lumber Incre
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-11=-74
Concentrated Loads (lb)
Vert: 23=-38(F) 24=-38(F) 25=-1667(F
29) Anchor Load #1 LEFT: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-11=-74
Concentrated Loads (lb)
Vert: 23=-38(F) 24=-38(F)
Horz: 25=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Incre
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-11=-74
Concentrated Loads (lb)

[redacted]

Continued on page 2

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Vert: 23=-38(F) 24=-38(F)
Horz: 25=1667(F)
31) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-11=-74(F), 11-12=-74(F), 13-19=-16(F)
Concentrated Loads (lb)
Vert: 1=-691(F) 7=-691(F) 8=-691(F) 11=-691(F) 9=-691(F) 22=-691(F) 23=-38(F) 24=-38(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB11-5	Roof Special	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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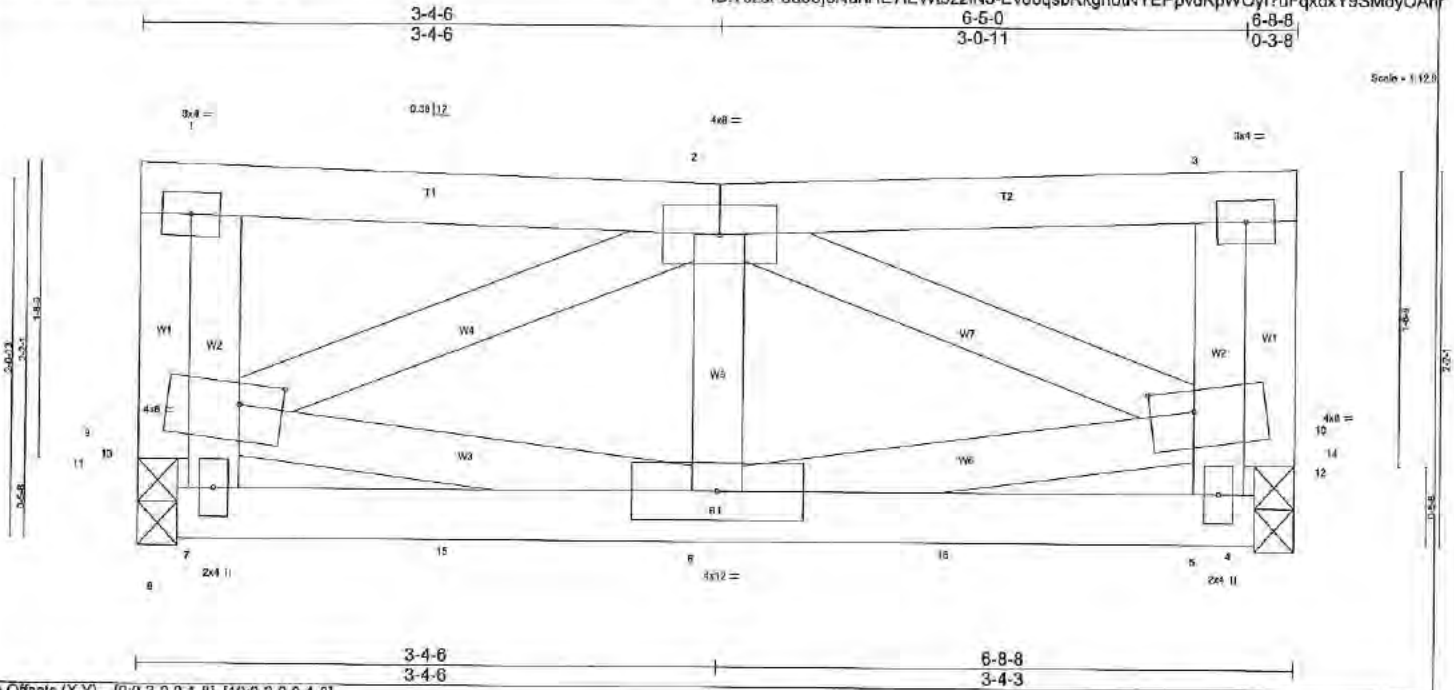

Plate Offsets (X,Y)-- [9:0-3-0,0-1-8], [10:0-3-0,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. In (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.14	Vert(LL) -0.02 6-7 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.19	Vert(CT) -0.03 6-7 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(CT) 0.00 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 43 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
13 = 266/0-2-12 (min. 0-1-8)
14 = 266/0-2-12 (min. 0-1-8)
Max Horz
13 = 149(LC 29)
14 = -149(LC 29)
Max Uplift
13 = -36(LC 8)
14 = -36(LC 9)
Max Grav
13 = 395(LC 23)
14 = 387(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
7-11=0/294, 9-11=-11/277, 1-9=-23/347, 5-12=0/272, 10-12=-7/260, 3-10=-9/340
WEBS
2-9=-414/71, 2-10=-415/41, 6-9=-39/261, 6-10=-21/262, 1-13=-403/79, 3-14=-395/37

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 3-4-6, Interior(1) 3-4-6 to 6-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Bearing at joint(s) 13, 14 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 at joint(s) 13, 14.
8) Non Standard bearing condition. Review required.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

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LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB12	ROOF SPECIAL	9	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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2-0-0	6-6-4	10-6-3	16-0-0	22-0-14	25-3-12	28-6-0	31-8-4	34-11-2	41-0-0	46-5-14	50-5-14	56-5-8	56-9-0
2-0-0	6-6-4	3-11-15	5-5-13	6-0-14	3-2-14	3-2-4	3-2-4	3-2-14	6-0-14	5-5-14	4-0-0	5-11-10	0-3-8

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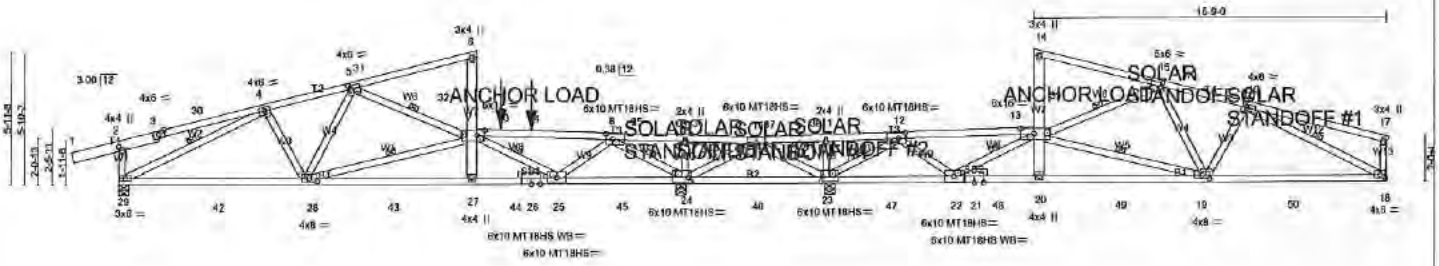


8-3-15	15-9-4	19-6-11	25-1-12	25-3-12	31-8-4	31-10-4	37-5-5	41-2-12	48-8-3	56-9-0
8-3-15	7-5-6	3-9-7	5-7-1	0-2-0	6-4-8	0-2-0	5-7-1	3-9-7	7-5-7	8-0-13

Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [5:0-0-11,0-2-0], [7:0-4-4,0-2-12], [8:0-3-12,0-3-0], [12:0-4-0,0-3-0], [13:0-7-4,0-2-12], [15:0-0-3,0-2-0], [16:0-1-4,0-1-12], [17:Edge,0-1-12], [18:0-2-12,0-2-0], [19:0-4-0,0-1-12], [23:0-1-8,0-2-8], [24:0-1-8,0-2-8], [28:0-4-0,0-1-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.75	Vert(LL) -0.36 27-28 >832 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.69	Vert(CT) -0.63 27-28 >481 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.19 18 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 306 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G *Except*
T1: 2x6 DF No.2 G, T4,T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W9: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-6-4 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-3-14 oc bracing.
WEBS
1 Row at midpt 5-7, 7-28, 7-25, 8-24, 12-23, 13-22, 13-15, 13-19, 16-18, 4-29

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

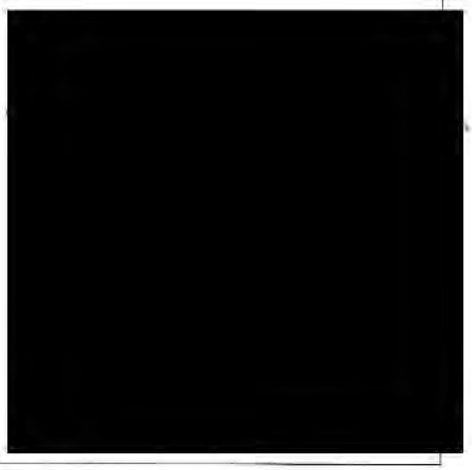
REACTIONS. All bearings 0-5-8 except (jt=length) 18=Mechanical.
(lb) - Max Horz
29=-1667(LC 34)
Max Uplift
All uplift 100 lb or less at joint(s) except 24=-265(LC 27), 23=-426(LC 31), 18=-103(LC 13), 29=-159(LC 8)
Max Grav
All reactions 250 lb or less at joint(s) except 24=3659(LC 28), 23=3471(LC 32), 18=1795(LC 35), 29=1602(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-31=-2431/111, 5-31=-2366/126, 5-6=-847/686, 7-27=0/320, 7-32=-1809/1476, 6-32=-328/76, 7-33=-1986/146, 33-34=-1991/138, 8-34=-2000/137, 8-35=-335/4743, 9-35=-342/4741, 9-36=-339/4743, 10-36=-345/4742, 10-37=-474/4556, 37-38=-470/4561, 11-38=-468/4562, 11-12=-472/4562, 12-13=-2129/425, 13-20=0/321, 13-39=-1811/1474, 14-39=-331/57, 14-15=-852/688, 15-40=-2765/174, 16-40=-2829/160, 2-29=-478/202, 17-18=-253/76
BOT CHORD
29-42=-271/2860, 28-42=-271/2860, 28-43=-982/4975, 27-43=-982/4975, 27-44=-988/5258, 26-44=-988/5258, 25-26=-988/5258, 25-45=-756/670, 24-45=-756/670, 24-46=-3453/147, 23-46=-3453/147, 23-47=-656/546, 22-47=-656/546, 21-22=-1149/5086, 21-48=-1149/5086, 20-48=-1149/5086, 20-49=-1120/4826, 19-49=-1120/4826, 19-50=-154/2864, 18-50=-154/2864
WEBS
4-28=-262/220, 5-28=-77/971, 5-7=-1899/167, 7-28=-3178/1451, 7-25=-3764/981, 8-25=-680/3147, 8-24=-4982/168, 9-24=-833/217, 10-24=-1650/1292, 10-23=-1488/1484, 11-23=-842/197, 12-23=-4772/366, 12-22=-750/3055, 13-22=-3647/1071, 13-15=-2538/216, 13-19=-3079/1563, 15-19=-85/947, 16-19=-296/209, 16-18=-3118/155, 4-29=-2313/80

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 3-7-7, Interior(1) 3-7-7 to 41-2-12, Exterior(2) 41-2-12 to 46-10-14, Interior(1) 46-10-14 to 56-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
Continued on page 2
3) 100.0lb AC unit load placed on the top chord, 17-9-0 from left end, supported at two points, 1-4-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Refer to girder(s) for truss to truss connections.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 50 lb down at 17-1-0, 50 lb down at 18-5-0, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 50-2-6, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 46-2-6, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 29-0-8, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 23-0-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-9-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 31-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-7
Concentrated Loads (lb)
Vert: 32=1667(F) 33=-50(F) 34=-50(F
28) Anchor Load #1 DOWN: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-7
Concentrated Loads (lb)
Vert: 32=-1667(F) 33=-50(F) 34=-50(
29) Anchor Load #1 LEFT: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-7
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F)
Horz: 32=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-7
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F)
Horz: 32=1667(F)
31) Anchor Load #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F) 39=1667(F)
32) Anchor Load #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F) 39=-1667(F)
33) Anchor Load #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F)
Horz: 39=-1667(F)
34) Anchor Load #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F)
Horz: 39=1667(F)
35) SOLAR STANDOFFS #1 DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 15=-691(F) 16=-691(F) 33=-50(F) 34=-50(F) 35=-691(F) 37=-691(F)
36) SOLAR STANDOFFS #1 UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 15=433(F) 16=433(F) 33=-50(F) 34=-50(F) 35=433(F) 37=433(F)
37) SOLAR STANDOFFS #1 RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F)
Horz: 15=55(F), 16=55(F), 35=55(F), 37=55(F)
38) SOLAR STANDOFFS #1 LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F)
Horz: 15=-55(F), 16=-55(F), 35=-55(F), 37=-55(F)
39) SOLAR STANDOFFS #2 DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F) 36=-691(F) 38=-691(F)
40) SOLAR STANDOFFS #2 UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F) 36=433(F) 38=433(F)
41) SOLAR STANDOFFS #2 RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F)
Horz: 36=55(F), 38=55(F)
42) SOLAR STANDOFFS #2 LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-10=-74(F), 10-13=-74(F), 14-17=-74(F), 18-29=-16(F)
Concentrated Loads (lb)
Vert: 33=-50(F) 34=-50(F)
Horz: 36=-55(F), 38=-55(F)



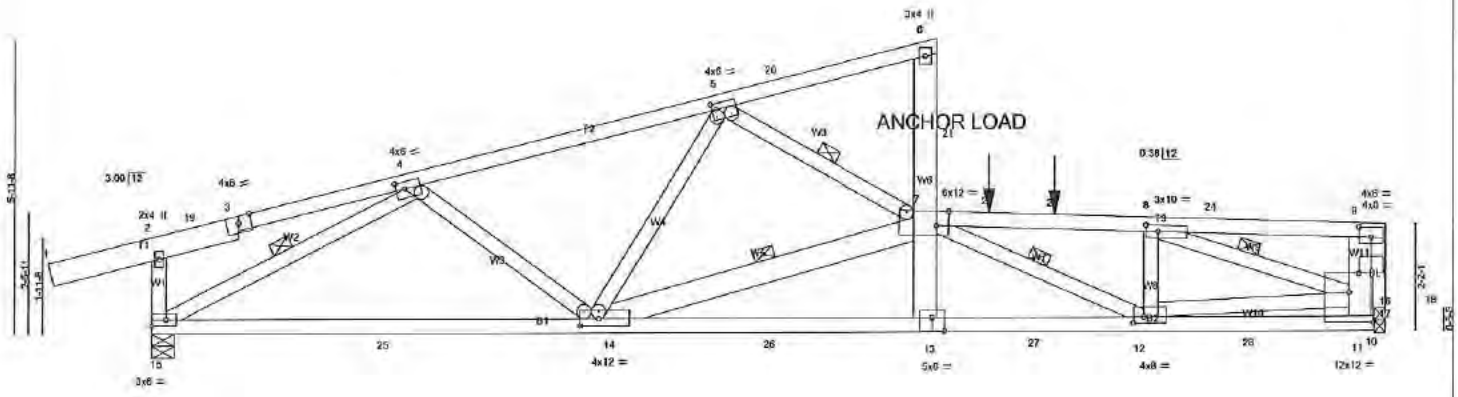
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB12-1	ROOF SPECIAL	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:44 2019 Page 1
ID:7szsPdubU0NunHE7IEWt3z2IN5-6hLdgDeynvBEM_r0ef_ZUfhzgvCHBU_DsA7fVOyOAhn

-2-0-0	5-3-14	11-7-14	16-0-0	20-2-12	24-10-4	25-1-12
2-0-0	5-3-14	6-3-15	4-4-3	4-2-12	4-7-8	0-3-8

Scale = 1:45.2
Camber = 5/16 in



8-11-6	16-0-0	20-4-8	25-1-12
8-11-6	7-0-10	4-4-8	4-9-4

Plate Offsets (X,Y)-- [4:0-2-2,0-1-12], [5:0-0-15,0-1-8], [7:0-3-0,Edge], [8:0-3-0,0-1-8], [9:0-3-0,0-2-8], [11:0-2-12,0-0-0], [11:0-6-0,0-7-4], [12:0-2-8,0-1-8], [13:0-3-0,0-3-4], [14:0-4-8,0-1-12], [15:Edge,0-1-8], [16:0-2-8,0-4-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.61	Vert(LL) -0.42 14-15 >711 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.80	Vert(CT) -0.74 14-15 >406 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.71	Horz(CT) 0.00 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 153 lb FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T3: 2x4 DF No.1&Btr G, T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W6: 2x6 DF SS G, W5,W11: 2x6 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-8-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-0-15 oc bracing.
WEBS
1 Row at midpt 5-7, 7-14, 7-12, 4-15, 8-16

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
15 = 1348/0-5-8 (min. 0-2-2)
18 = 1123/0-2-12 (min. 0-1-8)
Max Horz
15 = 4914(LC 39)
18 = -4914(LC 39)
Max Uplift
15 = -124(LC 8)
18 = -12(LC 13)
Max Grav
15 = 2001(LC 39)
18 = 2137(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-5=-3383/58, 5-20=-841/625, 6-20=-775/684, 7-13=0/326,
7-21=-1737/1553, 7-22=-5446/171, 22-23=-5449/164, 8-23=-5456/162,
8-24=-842/19, 9-24=-850/18, 2-15=-385/157
BOT CHORD
15-25=-2170/845, 14-25=-2170/845, 14-26=-879/2926, 13-26=-879/2926,
13-27=-888/3196, 12-27=-888/3196, 12-28=-993/160, 11-28=-993/160
WEBS
11-17=0/286, 16-17=-2888/222, 9-16=-18/1956, 4-14=-348/598,
5-14=-195/1836, 5-7=-2596/148, 7-14=-5737/1614, 7-12=-2966/1193,
4-15=-3075/78, 8-12=-471/1189, 12-16=0/1434, 8-16=-4820/169,
9-18=-2216/32

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 24-7-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 100.0lb AC unit load placed on the top chord, 17-9-0 from left end, supported at two points, 1-4-0 apart.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
9) Non Standard bearing condition. Review required.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 38, 39, 40, 41 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 50 lb down at 17-1-0, and 50 lb down at 18-5-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

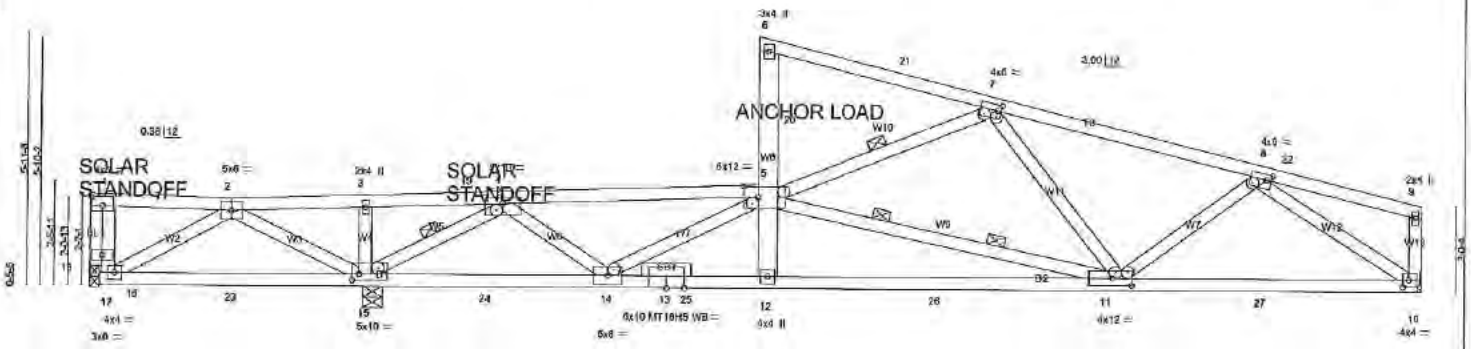
LOAD CASE(S)
Standard Except:
38) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74(F), 10-15=-16(F)
Concentrated Loads (lb)
Vert: 21=1667(F) 22=-50(F) 23=-50(F)
39) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74
Concentrated Loads (lb)
Vert: 21=-1667(F) 22=-50(F) 23=-50
40) Anchor Load #1 LEFT: Lumber Incre
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74
Concentrated Loads (lb)
Vert: 22=-50(F) 23=-50(F)
Horz: 21=-1667(F)
41) Anchor Load #1 RIGHT: Lumber Inc
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-9=-74
Concentrated Loads (lb)
Vert: 22=-50(F) 23=-50(F)
Horz: 21=1667(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB12-2	ROOF SPECIAL	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570 — Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:45 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2iN5-atv?fZfaYCJ5z8QCCMVo1fD5jJXnwulM5qsD2qyOAhm

3-4-5 | 6-6-8 | 9-9-6 | 15-10-4 | 21-4-9 | 27-8-14 | 31-3-12 | 31-7-4
3-4-5 | 3-2-3 | 3-2-14 | 6-0-14 | 5-6-5 | 6-4-5 | 3-6-14 | 0-3-8

Scale = 1:52.6
Centers = 2/8 in



6-6-8 | 6-8-8 | 12-3-9 | 15-10-5 | 24-6-2 | 31-7-4
6-6-8 | 0-2-0 | 5-7-1 | 3-6-12 | 8-7-13 | 7-1-2

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.78	Vert(LL)	-0.53	11-12	>566	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.85	Vert(CT)	-0.87	11-12	>343	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr YES	WB 0.94	Horz(CT)	-0.26	15	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 166 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W8: 2x6 DF No.2 G, W9: 2x4 DF No.1&Btr G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-11-5 oc bracing.
WEBS
1 Row at midpt 4-15, 5-7
2 Rows at 1/3 pts 5-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
15 = 1635/0-5-8 (min. 0-2-14)
10 = 1075/Mechanical
18 = 85/0-2-12 (min. 0-1-8)
Max Horz
18 = 1667(LC 29)
Max Uplift
15 = -118(LC 8)
10 = -107(LC 13)
18 = -632(LC 30)
Max Grav
15 = 2716(LC 28)
10 = 1703(LC 28)
18 = 802(LC 29)

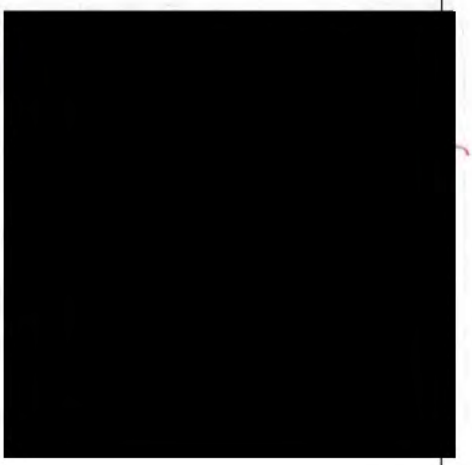
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-2174/3246, 3-19=-2169/3244, 4-19=-2163/3246, 4-5=-4666/869, 5-12=0/340, 5-20=-1770/1492, 6-20=-293/49, 6-21=-790/625, 7-21=-842/549, 7-8=-2925/167
BOT CHORD
15-24=-381/2754, 14-24=-381/2754, 13-14=-1634/7193, 13-25=-1634/7193, 12-25=-1634/7193, 12-26=-1555/6801, 11-26=-1555/6801, 11-27=-162/2153, 10-27=-162/2153
WEBS
1-17=-750/773, 2-17=-1653/1756, 2-15=-1773/597, 3-15=-376/52, 4-15=-3999/187, 4-14=-612/2419, 5-14=-2923/890, 5-7=-2085/235, 5-11=-4782/1997, 7-11=-278/1108, 8-11=-273/787, 8-10=-2619/196, 1-18=-819/644

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 3-4-5, Interior(1) 3-4-5 to 16-1-0, Exterior(2) 16-1-0 to 19-2-15, Interior(1) 19-2-15 to 31-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 8-11-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 0-5-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-16=-16(F)
Concentrated Loads (lb)
Vert: 20=1667(F)
28) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(
Concentrated Loads (lb)
Vert: 20=-1667(F)
29) Anchor Load #1 LEFT: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(
Concentrated Loads (lb)
Horz: 20=-1667(F)
30) Anchor Load #1 RIGHT: Lumber Incre
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(
Concentrated Loads (lb)
Horz: 20=1667(F)
31) SOLAR STANDOFFS DOWN: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(
Concentrated Loads (lb)
Vert: 1=-691(F) 19=-691(F)
32) SOLAR STANDOFFS UP: Lumber Inc
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(
Concentrated Loads (lb)
Vert: 1=433(F) 19=433(F)

Continued on page 2

LOAD CASE(S)
Standard Except:
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-16=-16(F)
Concentrated Loads (lb)
Horz: 1=55(F), 19=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-16=-16(F)
Concentrated Loads (lb)
Horz: 1=-55(F), 19=-55(F)

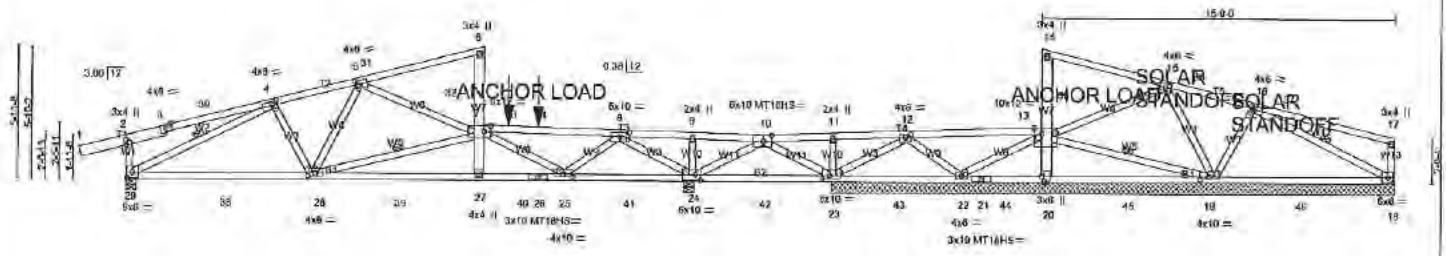


Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB12D	ROOF SPECIAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570 — Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:48 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2lN5-?Sb8VbiSr7ifqc9ntV2VoVrbvWZT7EZpno5te9yOAh

2-0-0	6-6-6	10-6-3	16-0-0	22-0-14	25-3-12	28-6-0	31-8-4	34-11-2	41-0-0	46-5-14	50-5-13	56-5-8	56-9-0
2-0-0	6-6-6	3-11-13	5-5-13	6-0-14	3-2-14	3-2-4	3-2-4	3-2-14	6-0-14	5-5-14	3-11-15	5-11-11	0-3-8

Scale = 1:99.1
Camber = 1/8 in



8-3-15	15-9-4	19-6-11	25-1-12	25-3-12	31-8-4	37-5-5	41-2-12	48-8-3	56-9-0
8-3-15	7-5-6	3-9-7	5-7-1	0-2-0	6-4-8	5-9-1	3-9-7	7-5-7	8-0-13

Plate Offsets (X,Y)– [2:0-2-11,0-0-0], [4:0-2-8,0-2-0], [5:0-0-15,0-2-0], [7:0-3-8,0-3-0], [8:0-5-0,0-2-0], [10:0-4-4,0-3-4], [12:0-2-12,0-1-8], [13:0-4-0,0-3-4], [16:0-2-0,0-1-12], [18:0-2-12,0-3-0], [19:0-4-11,0-1-8], [20:0-3-0,0-1-8], [23:0-4-0,0-1-12], [24:0-2-12,0-3-0], [25:0-5-0,0-1-8], [28:0-3-11,0-1-8], [29:0-2-12,0-3-0]

LOADING (psf)	SPACING- 1-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.85	Vert(LL)	-0.34 28-29	>890	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.85	Vert(CT)	-0.46 28-29	>651	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 1.00	Horz(CT)	0.21 19	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH					Weight: 303 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G, T3: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.2 G *Except*
B2: 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W9,W12,W2: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-7-7 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 2-7-6 oc bracing.
WEBS
1 Row at midpt 7-28, 13-19, 16-18, 4-29

REACTIONS. All bearings 25-1-8 except (jt=length) 24=0-5-8, 29=0-5-8.
(lb) - Max Horz
29=-1667(LC 62)
Max Uplift
All uplift 100 lb or less at joint(s) except 20=-1593(LC 29), 24=-1410(LC 27), 23=-644(LC 56), 22=-237(LC 30), 19=-848(LC 38), 18=-1355(LC 38), 29=-1472(LC 27)
Max Grav
All reactions 250 lb or less at joint(s) except 20=1798(LC 60), 24=3082(LC 56), 23=680(LC 56), 22=470(LC 61), 19=1609(LC 63), 18=1426(LC 47), 29=1722(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-426/110, 3-30=-766/744, 4-30=-1631/1609, 4-31=-1912/1497, 5-31=-1698/627, 5-6=-1447/1402, 7-27=-14/284, 7-32=-1726/1559, 6-32=-450/428, 7-33=-1771/1403, 33-34=-2108/1734, 8-34=-3024/2647, 8-9=-4884/5666, 9-10=-5686/6465, 10-11=-3114/3183, 11-12=-3921/3993, 12-13=-3170/3214, 13-20=-1758/1629, 13-35=-1757/1575, 14-35=-479/446, 14-15=-1432/1409, 15-36=-472/507, 16-36=-1407/1418, 16-37=-1565/1568, 17-37=-1452/1452
BOT CHORD
29-38=-2742/3146, 28-38=-2742/3146, 28-39=-3615/4386, 27-39=-3615/4386, 27-40=-3682/4515, 26-40=-3682/4515, 25-26=-3682/4515, 25-41=-2219/2234, 24-41=-2219/2234, 24-42=-3209/2799, 23-42=-3209/2799, 23-43=-6103/6116, 22-43=-4063/3191, 21-22=-4779/4788, 21-44=-3710/3719, 20-44=-2855/2864, 20-45=-2327/2747, 19-45=-1329/1345, 19-46=-2163/244, 18-46=-2033/2527
WEBS
4-28=-740/800, 5-28=-550/756, 5-7=-1316/800, 7-28=-2778/1832, 7-25=-3094/1662, 8-25=-1288/2544, 8-24=-3756/1165, 10-24=-2059/1635, 10-23=-2219/2611, 12-23=-1728/1627, 12-22=-1342/1307, 13-22=-1167/1151, 13-15=-832/844, 13-19=-2952/2972, 15-19=-931/662, 16-19=-881/810, 16-18=-2806/2795, 4-29=-3384/2946

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 3-7-7, Interior(1) 3-7-7 to 41-2-12, Exterior(2) 41-2-12 to 46-10-14, Interior(1) 46-10-14 to 56-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 75.0lb AC unit load placed on the top chord, 17-9-0 from left end, supported at two points, 1-4-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 31-7-8 to 56-9-0 for 564.7 plf.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down at 17-1-0, 38 lb down at 18-5-0, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 50-2-6, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 46-2-6 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
55) Anchor load #1 UP: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10
Concentrated Loads (lb)
Vert: 32=1667(F) 33=-38(F) 34=-3
56) Anchor load #1 DOWN: Lumber In
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10
Concentrated Loads (lb)
Vert: 32=-1667(F) 33=-38(F) 34=-3
57) Anchor load #1 LEFT: Lumber Inc
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10
Concentrated Loads (lb)
Vert: 33=-38(F) 34=-38(F)
Horz: 32=-1667(F)
58) Anchor load #1 RIGHT: Lumber In
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10
Concentrated Loads (lb)
Vert: 33=-38(F) 34=-38(F)
Horz: 32=1667(F)

[redacted]

Continued on page 2

LOAD CASE(S)
Standard Except:
59) Anchor load #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10=-37(F), 10-13=-37(F), 14-17=-37(F), 18-29=-8(F)
Concentrated Loads (lb)
Vert: 33=-38(F) 34=-38(F) 35=1667(F)
60) Anchor load #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10=-37(F), 10-13=-37(F), 14-17=-37(F), 18-29=-8(F)
Concentrated Loads (lb)
Vert: 33=-38(F) 34=-38(F) 35=-1667(F)
61) Anchor load #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10=-37(F), 10-13=-37(F), 14-17=-37(F), 18-29=-8(F)
Concentrated Loads (lb)
Vert: 33=-38(F) 34=-38(F)
Horz: 35=-1667(F)
62) Anchor load #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10=-37(F), 10-13=-37(F), 14-17=-37(F), 18-29=-8(F)
Concentrated Loads (lb)
Vert: 33=-38(F) 34=-38(F)
Horz: 35=1667(F)
63) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10=-37(F), 10-13=-37(F), 14-17=-37(F), 18-29=-8(F)
Concentrated Loads (lb)
Vert: 15=-691(F) 16=-691(F) 33=-38(F) 34=-38(F)
64) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10=-37(F), 10-13=-37(F), 14-17=-37(F), 18-29=-8(F)
Concentrated Loads (lb)
Vert: 15=433(F) 16=433(F) 33=-38(F) 34=-38(F)
65) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10=-37(F), 10-13=-37(F), 14-17=-37(F), 18-29=-8(F)
Concentrated Loads (lb)
Vert: 33=-38(F) 34=-38(F)
Horz: 15=55(F), 16=55(F)
66) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-37(F), 2-6=-37(F), 7-10=-37(F), 10-13=-37(F), 14-17=-37(F), 18-29=-8(F)
Concentrated Loads (lb)
Vert: 33=-38(F) 34=-38(F)
Horz: 15=-55(F), 16=-55(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB13	ROOF SPECIAL	12	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:50 2019 Page 1
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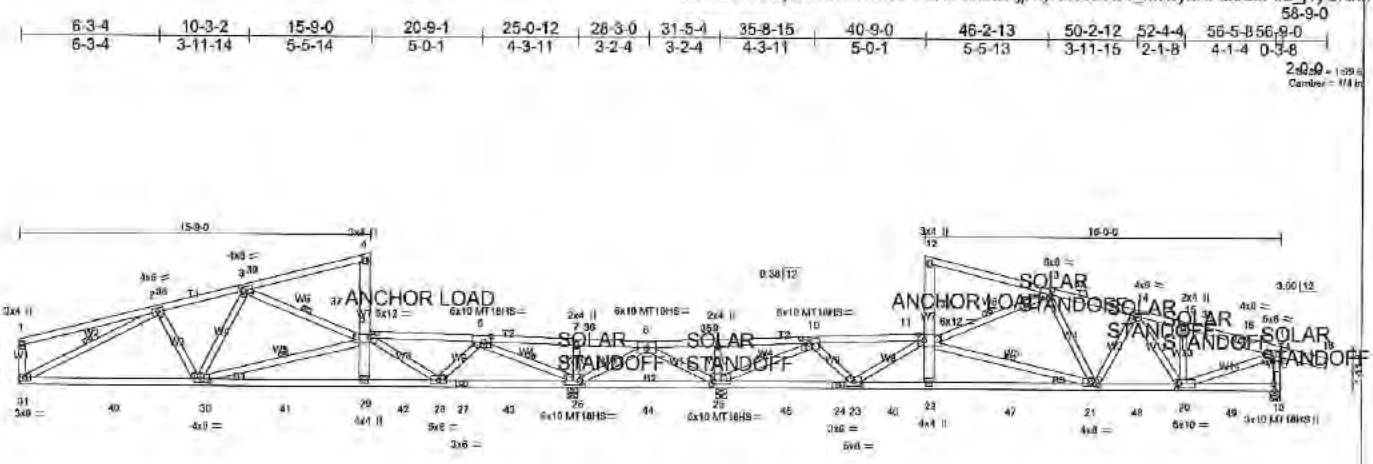

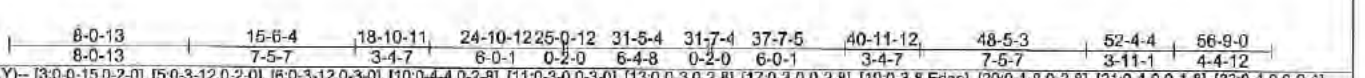

Plate Offsets (X,Y)-- [3:0-0-15,0-2-0], [5:0-3-12,0-2-0], [6:0-3-12,0-3-0], [10:0-4-4,0-2-8], [11:0-3-0,0-3-0], [13:0-0-3,0-2-8], [17:0-3-0,0-2-8], [19:0-3-8,Edge], [20:0-1-8,0-2-8], [21:0-4-0,0-1-8], [23:0-4-0,0-2-4], [25:0-1-8,0-1-12], [28:0-1-12,0-2-8], [30:0-4-0,0-1-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.83	Vert(LL) -0.38 29-30 >794 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.79	Vert(CT) -0.70 21-22 >433 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.92	Horz(CT) -0.17 31 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 308 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G *Except*
T4: 2x6 DF No.2 G, T1,T3: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W14: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-1-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-4-13 oc bracing.
WEBS
1 Row at midpt 11-13, 11-21, 10-25, 6-26, 3-5, 5-30, 2-31

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8 except (jt=length) 31=Mechanical.
(lb) - Max Horz
19=1667(LC 29)
Max Uplift
All uplift 100 lb or less at joint(s) except 19=-176(LC 9), 25=-374(LC 27), 26=-254(LC 8), 31=-105(LC 8)
Max Grav
All reactions 250 lb or less at joint(s) except 19=3223(LC 35), 25=3491(LC 32), 26=3500(LC 28), 31=1415(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
12-13=-813/639, 13-32=-3293/205, 14-32=-3357/203, 14-15=-3359/186, 15-33=-3355/176, 16-33=-3394/155, 16-17=-3433/146, 11-22=0/326, 11-34=-1803/1482, 12-34=-312/55, 6-35=-526/4374, 9-35=-520/4375, 9-10=-527/4374, 10-11=-2443/269, 5-6=-2404/295, 6-7=-219/4401, 7-36=-221/4402, 6-36=-223/4401, 5-29=0/317, 5-37=-1810/76, 4-37=-320/76, 2-39=-2388/165, 3-39=-2324/180, 3-4=-819/652, 17-19=-3171/194
BOT CHORD
31-40=-163/2168, 30-40=-163/2168, 30-41=-217/4876, 29-41=-217/4876, 29-42=-248/5129, 28-42=-248/5129, 27-28=-59/970, 27-43=-59/970, 26-43=-59/970, 26-44=-3258/254, 25-44=-3258/254, 25-45=-340/1293, 24-45=-340/1293, 23-24=-340/1293, 23-46=-1169/5175, 22-46=-1169/5175, 22-47=-1112/4924, 21-47=-1112/4924, 21-48=-194/3537, 20-48=-194/3537, 20-49=-1626/1667, 19-49=-1626/1667
WEBS
14-21=-576/338, 13-21=-154/921, 11-13=-2965/231, 11-21=-3133/1553, 11-23=-3256/1077, 10-23=-695/2490, 10-25=-5639/391, 9-25=-653/93, 8-25=-1274/1406, 8-26=-1497/1379, 7-26=-932/82, 6-26=-5630/384, 6-28=-64/2484, 5-28=-3248/180, 3-5=-1846/206, 5-30=-3115/135, 3-30=-27/855, 2-31=-2338/162, 15-20=-755/207, 14-20=-613/79, 17-20=-158/3437

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 5-9-14, Interior(1) 5-9-14 to 40-11-12, Exterior(2) 40-11-12 to 46-7-14, Interior(1) 46-7-14 to 58-9-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34, 35, 57, 58, 59 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 56-4-4, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 52-4-4, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 49-11-6, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 45-11-6, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 30-10-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-6-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) ANCHOR LOAD #1 UP: Lumber Increase
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-
Concentrated Loads (lb)
Vert: 34=1667(F)
28) ANCHOR LOAD #1 DOWN: Lumber Incr
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-
Concentrated Loads (lb)
Vert: 37=-1667(F)
29) ANCHOR LOAD #1 LEFT: Lumber Increa
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-
Concentrated Loads (lb)
Horz: 37=-1667(F)
30) ANCHOR LOAD #1 RIGHT: Lumber Incr
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-
Concentrated Loads (lb)
Horz: 37=1667(F)
31) ANCHOR LOAD #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)

Continued on page 2

LOAD CASE(S)
Standard Except:
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Vert: 34=1667(F)
32) ANCHOR LOAD #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Vert: 34=-1667(F)
33) ANCHOR LOAD #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Horz: 34=-1667(F)
34) ANCHOR LOAD #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Horz: 34=1667(F)
35) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Vert: 14=-691(F) 13=-691(F) 17=-691(F) 15=-691(F) 35=-691(F) 36=-691(F)
57) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Vert: 14=433(F) 13=433(F) 17=433(F) 15=433(F) 35=433(F) 36=433(F)
58) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Horz: 14=55(F), 13=55(F), 17=55(F), 15=55(F), 35=55(F), 36=55(F)
59) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Horz: 14=-55(F), 13=-55(F), 17=-55(F), 15=-55(F), 35=-55(F), 36=-55(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB14	ROOF SPECIAL	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:50:53 2019 Page 1
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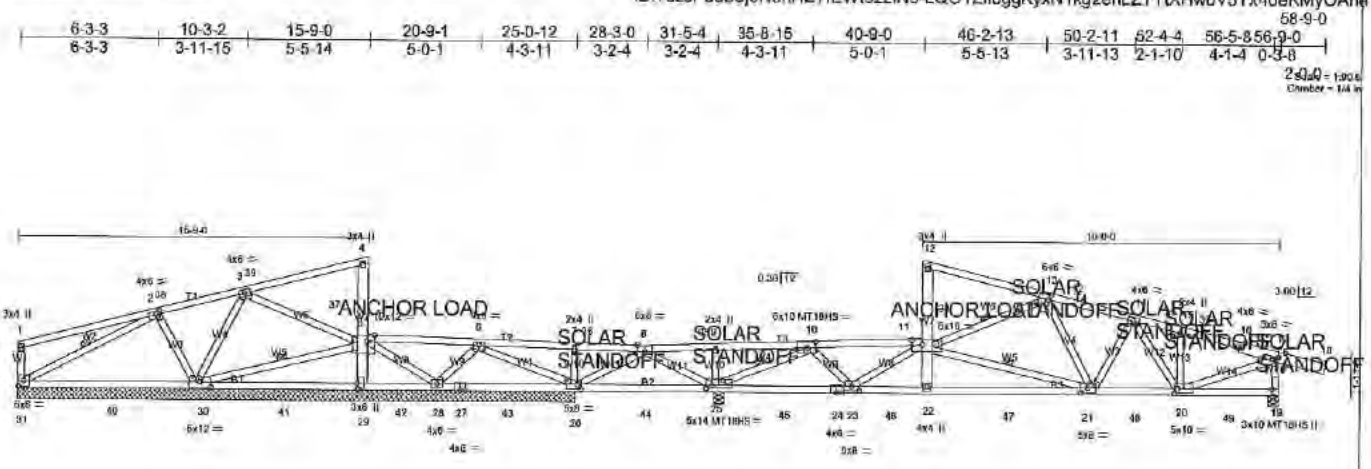


8-0-13	15-6-4	18-10-11	25-0-12	31-5-4	31-7-4	37-7-5	40-11-12	48-6-2	52-4-4	56-9-0
8-0-13	7-5-7	3-4-7	6-2-1	6-4-8	0-2-0	6-0-1	3-4-7	7-5-6	3-11-3	4-4-12

Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [5:0-4-0,0-3-4], [8:0-4-0,0-3-8], [10:0-4-12,0-3-0], [11:0-5-8,0-2-8], [13:0-0-7,0-2-4], [17:0-3-0,0-2-8], [19:0-3-8,Edge], [20:0-1-8,0-2-8], [21:0-3-11,0-2-8], [23:0-4-0,0-2-4], [25:0-3-0,0-1-8], [26:0-2-0,0-2-8], [29:0-3-0,0-0-12], [30:0-6-0,0-2-12], [31:0-2-12,0-3-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.83	Vert(LL)	-0.37 21-22	>813	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.83	Vert(CT)	-0.70 21-22	>432	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.91	Horz(CT)	0.17 30	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH					Weight: 308 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T5: 2x6 DF No.2 G, T3: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.2 G *Except*
B2: 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W2,W14: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-11-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 2-6-0 oc bracing.
WEBS
1 Row at midpt 11-13, 11-21, 10-25, 5-30, 2-31

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 25-1-8 except (jt=length) 19=0-5-8, 25=0-5-8.
(lb) - Max Horz
19=1667(LC 57)
Max Uplift
All uplift 100 lb or less at joint(s) except 29=-1181(LC 55), 19=-1130(LC 30), 25=-812(LC 29), 26=-570(LC 60), 28=-474(LC 30), 30=-949(LC 27), 31=-1352(LC 27)
Max Grav
All reactions 250 lb or less at joint(s) except 29=1940(LC 56), 19=3227(LC 63), 25=3993(LC 60), 26=746(LC 59), 28=701(LC 58), 30=1294(LC 48), 31=1503(LC 48)

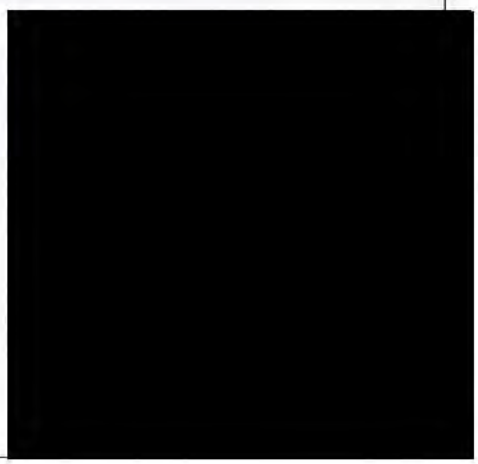
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
12-13=-1401/1343, 13-32=-3301/735, 14-32=-3365/682, 14-15=-3384/501, 15-33=-3360/659, 16-33=-3400/1217, 16-17=-3438/1634, 11-22=0/327, 11-34=-1803/1482, 12-34=-520/464, 8-35=-2988/4317, 9-35=-2349/4319, 9-10=-2265/4317, 10-11=-4413/3762, 5-8=-3576/3694, 6-7=-3497/3642, 7-36=-2426/2564, 8-36=-2306/2444, 5-29=-1869/1252, 5-37=-1847/1485, 4-37=-491/460, 1-38=-1511/1490, 2-38=-1623/1607, 2-39=-1404/1390, 3-39=-462/493, 3-4=-1482/1414, 17-19=-3174/1143
BOT CHORD
31-40=-2455/2530, 30-40=-2182/2236, 30-41=-1489/1514, 29-41=-2660/2685, 29-42=-2738/2744, 28-42=-4451/4456, 27-28=-3441/3283, 27-43=-4495/4653, 26-43=-6347/6419, 26-44=-5350/4798, 25-44=-5350/4798, 25-45=-2397/2629, 24-45=-2397/2629, 23-24=-2397/2629, 23-46=-1122/5199, 22-46=-1122/5199, 22-47=-1069/4945, 21-47=-1069/4945, 21-48=-1842/3544, 20-48=-1842/3544, 20-49=-1626/1667, 19-49=-1626/1667
WEBS
14-21=-574/535, 13-21=-1101/1406, 11-13=-2972/1676, 11-21=-3148/2090, 11-23=-3255/1557, 10-23=-1075/2479, 10-25=-5612/2341, 9-25=-959/104, 8-25=-2289/708, 8-26=-965/2256, 7-26=-899/121, 6-26=-1222/1098, 6-28=-754/656, 5-28=-1611/1577, 3-5=-932/965, 5-30=-3088/3119, 3-30=-826/708, 2-30=-1015/874, 2-31=-2800/2773, 15-20=-756/207, 14-20=-866/724, 17-20=-1641/3443

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 5-9-14, Interior(1) 5-9-14 to 40-11-12, Exterior(2) 40-11-12 to 46-7-14, Interior(1) 46-7-14 to 58-9-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 25-1-8 for 564.7 plf.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 56-4-4, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 52-4-4, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 49-11-6, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 45-11-6, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 30-10-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-6-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
55) ANCHOR LOAD #1 UP: Lumber Incr
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-
Concentrated Loads (lb)
Vert: 37=1667(F)
56) ANCHOR LOAD #1 DOWN: Lumber
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-
Concentrated Loads (lb)
Vert: 37=-1667(F)
57) ANCHOR LOAD #1 LEFT: Lumber In
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-
Concentrated Loads (lb)
Horz: 37=-1667(F)
58) ANCHOR LOAD #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-
Concentrated Loads (lb)

Continued on page 2

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Horz: 37=1667(F)
59) ANCHOR LOAD #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Vert: 34=1667(F)
60) ANCHOR LOAD #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Vert: 34=-1667(F)
61) ANCHOR LOAD #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Horz: 34=-1667(F)
62) ANCHOR LOAD #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Horz: 34=1667(F)
63) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Vert: 14=-691(F) 13=-691(F) 17=-691(F) 15=-691(F) 35=-691(F) 36=-691(F)
64) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Vert: 14=433(F) 13=433(F) 17=433(F) 15=433(F) 35=433(F) 36=433(F)
65) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Horz: 14=55(F), 13=55(F), 17=55(F), 15=55(F), 35=55(F), 36=55(F)
66) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 12-17=-74(F), 17-18=-74(F), 8-11=-74(F), 5-8=-74(F), 1-4=-74(F), 19-31=-16(F)
Concentrated Loads (lb)
Horz: 14=-55(F), 13=-55(F), 17=-55(F), 15=-55(F), 35=-55(F), 36=-55(F)



Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB15	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:55 2019 Page 1
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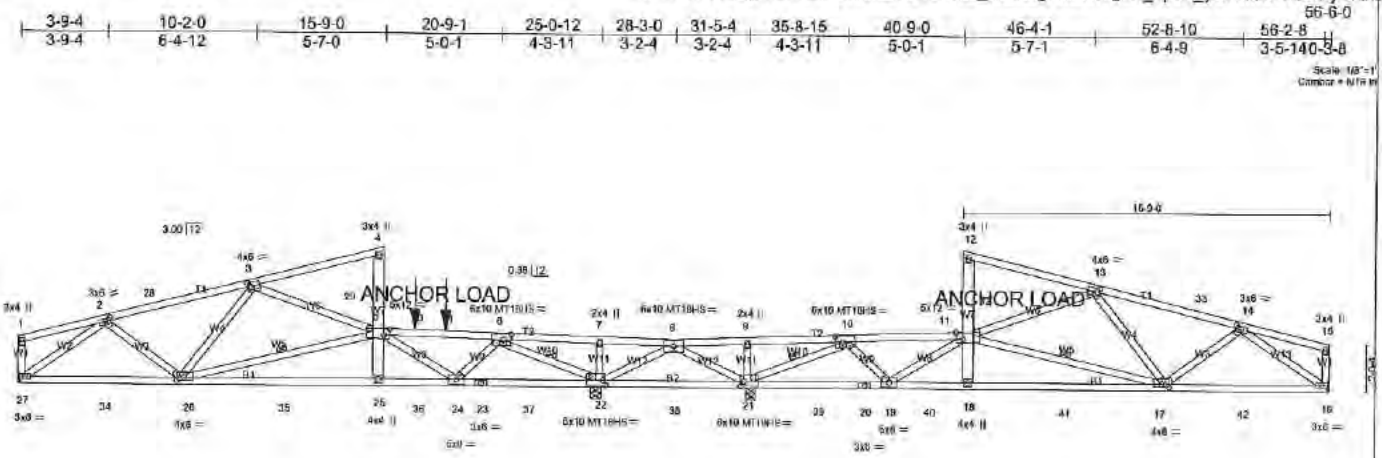

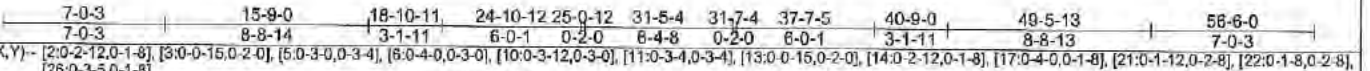

Plate Offsets (X,Y)-- [2:0-2-12,0-1-8], [3:0-0-15,0-2-0], [5:0-3-0,0-3-4], [6:0-4-0,0-3-0], [10:0-3-12,0-3-0], [11:0-3-4,0-3-4], [13:0-0-15,0-2-0], [14:0-2-12,0-1-8], [17:0-4-0,0-1-8], [21:0-1-12,0-2-8], [22:0-1-8,0-2-8], [26:0-3-5,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL)	-0.40	25-26	>754	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.73	Vert(CT)	-0.71	25-26	>420	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.99	Horz(CT)	0.19	16	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 296 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-6-4 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-4-6 oc bracing.
WEBS
1 Row at midpt 5-26, 6-22, 10-21, 11-17

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8 except (jt=length) 27=Mechanical, 16=Mechanical.
(lb) - Max Horz
27=1667(LC 29)
Max Uplift
All uplift 100 lb or less at joint(s) 27 except 22=-261(LC 27), 21=-419(LC 31), 16=-104(LC 13)
Max Grav
All reactions 250 lb or less at joint(s) except 22=3821(LC 28), 21=3463(LC 32), 27=1435(LC 28), 16=1416(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-28=-2357/102, 3-28=-2303/120, 3-4=-818/636, 5-25=0/334, 5-29=-1785/1493, 4-29=-298/74, 5-30=-2500/134, 30-31=-2504/126, 6-31=-2511/124, 6-7=-440/4526, 7-8=-439/4527, 8-9=-571/4394, 9-10=-572/4393, 10-11=-2411/240, 11-18=0/334, 11-32=-1786/1493, 12-32=-300/61, 12-13=-823/643, 13-33=-2263/159, 14-33=-2317/142
BOT CHORD
27-34=-380/2728, 26-34=-380/2728, 26-35=-923/5004, 25-35=-923/5004, 25-36=-979/5298, 24-36=-979/5298, 23-24=-292/1392, 23-37=-292/1392, 22-37=-292/1392, 22-38=-3310/141, 21-38=-3310/141, 21-39=-77/1043, 20-39=-77/1043, 19-20=-77/1043, 19-40=-1136/5142, 18-40=-1136/5142, 18-41=-1059/4869, 17-41=-1059/4869, 17-42=-156/1756, 16-42=-156/1756
WEBS
2-26=-186/568, 3-26=-174/790, 3-5=-1725/193, 5-26=-3317/1489, 5-24=-3323/1013, 6-24=-651/2528, 6-22=-5852/186, 7-22=-338/94, 8-22=-1585/1334, 8-21=-1434/1486, 9-21=-349/82, 10-21=-5631/399, 10-19=-698/2481, 11-19=-3255/1082, 11-13=-1699/233, 11-17=-3204/1601, 13-17=-197/767, 14-17=-203/550, 2-27=-2166/158, 14-16=-2135/188

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 5-9-9, Interior(1) 5-9-9 to 40-11-12, Exterior(2) 40-11-12 to 46-4-1, Interior(1) 46-4-1 to 56-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 100.0lb AC unit load placed on the top chord, 17-9-0 from left end, supported at two points, 1-4-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Refer to girder(s) for truss to truss connections.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 50 lb down at 17-1-0, and 50 lb down at 18-5-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) ANCHOR LOAD #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 29=1667(F) 30=-50(F) 31=-50(F)
28) ANCHOR LOAD #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 29=-1667(F) 30=-50(F) 31=-50
29) ANCHOR LOAD #1 LEFT: Lumber
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=
Concentrated Loads (lb)
Vert: 30=-50(F) 31=-50(F)
Horz: 29=-1667(F)
30) ANCHOR LOAD #1 RIGHT: Lumbe
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=
Concentrated Loads (lb)
Vert: 30=-50(F) 31=-50(F)
Horz: 29=1667(F)
31) ANCHOR LOAD #2 UP: Lumber Inc
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=
Concentrated Loads (lb)
Vert: 30=-50(F) 31=-50(F) 32=1667
32) ANCHOR LOAD #2 DOWN: Lumbe
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=
Concentrated Loads (lb)
Vert: 30=-50(F) 31=-50(F) 32=-1667(F)
33) ANCHOR LOAD #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00

LOAD CASE(S)
Standard Except:
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 30=-50(F) 31=-50(F)
Horz: 32=-1667(F)
34) ANCHOR LOAD #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 30=-50(F) 31=-50(F)
Horz: 32=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB16	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:57 2019 Page 1
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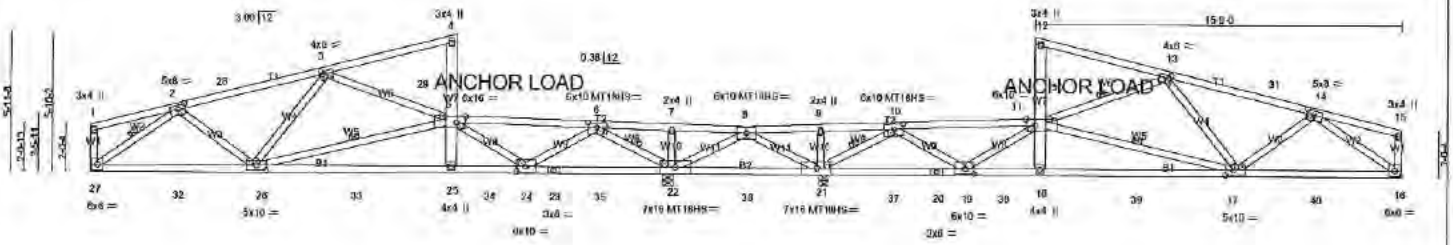
3-9-5	10-2-0	15-9-0	21-8-14	25-0-12	28-3-0	31-5-4	34-8-2	40-9-0	46-4-0	52-8-11	56-2-8	56-6-0
3-9-5	6-4-10	5-7-0	6-0-14	3-2-14	3-2-4	3-2-4	3-2-14	6-0-14	5-7-0	6-4-11	3-5-13	0-3-8



7-0-3	15-9-0	18-8-14	24-10-12	25-0-12	31-5-4	31-7-4	37-9-2	40-9-0	49-5-13	56-6-0
7-0-3	8-8-14	2-11-14	6-1-14	0-2-0	6-4-8	0-2-0	6-1-14	2-11-14	8-8-13	7-0-3

Plate Offsets (X,Y)– [2:0-3-12,0-2-4], [3:0-0-11,0-1-8], [5:0-4-8,0-3-4], [6:0-4-12,0-2-8], [10:0-4-12,0-2-8], [11:0-4-8,0-3-4], [13:0-0-11,0-1-8], [14:0-3-12,0-2-4], [17:0-4-1,0-2-8], [19:0-4-8,0-2-8], [24:0-4-8,0-2-8], [26:0-4-15,0-2-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.76	Vert(LL)	-0.37	25-26	>801	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.99	Vert(CT)	-0.65	25-26	>463	180	MT18HS	220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.99	Horz(CT)	0.17	16	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 296 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W9,W2: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-2-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-1-11 oc bracing.
WEBS
1 Row at midpt 5-26, 6-22, 10-21, 11-13, 11-17, 2-27

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8 except (jt=length) 27=Mechanical, 16=Mechanical.
(lb) - Max Horz
27=1667(LC 57)
Max Uplift
All uplift 100 lb or less at joint(s) except 22=-1003(LC 27), 21=-777(LC 29), 27=-1718(LC 27), 16=-1270(LC 38)
Max Grav
All reactions 250 lb or less at joint(s) except 22=3531(LC 56), 21=3531(LC 60), 27=2150(LC 48), 16=1701(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-947/950, 2-28=-3367/2556, 3-28=-2590/1838, 3-4=-1542/1450, 5-25=0/330, 5-29=-1787/1492, 4-29=-511/476, 5-6=-2428/1416, 6-7=-1914/4564, 7-8=-2715/4564, 8-9=-1293/4564, 9-10=-2099/4564, 10-11=-2463/1880, 11-18=0/329, 11-30=-1787/1492, 12-30=-516/465, 12-13=-1438/1379, 13-31=-2243/861, 14-31=-2440/1619, 14-15=-932/942
BOT CHORD
27-32=-2345/3066, 26-32=-1627/2694, 26-33=-3665/4812, 25-33=-1822/4812, 25-34=-1785/5093, 24-34=-1107/5093, 23-24=-787/731, 23-35=-787/731, 22-35=-1449/1403, 22-36=-3336/1646, 21-36=-3680/2478, 21-37=-891/842, 20-37=-666/611, 19-20=-840/790, 19-38=-2690/5093, 18-38=-1966/5093, 18-39=-1787/4812, 17-39=-1044/4812, 17-40=-155/1742, 16-40=-1557/2388
WEBS
2-26=-1271/1469, 3-26=-385/761, 3-5=-1689/683, 5-26=-3162/1879, 5-24=-3222/976, 6-24=-872/3460, 6-22=-4762/692, 8-22=-1596/1405, 8-21=-1596/1481, 10-21=-4762/2604, 10-19=-2080/3462, 11-19=-3221/2083, 11-13=-1849/1260, 11-17=-3162/1586, 13-17=-882/1139, 14-17=-906/1097, 2-27=-3601/2883, 14-16=-2891/2130

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 5-9-9, Interior(1) 5-9-9 to 40-11-12, Exterior(2) 40-11-12 to 46-4-0, Interior(1) 46-4-0 to 56-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 55, 56, 57, 58, 59, 60, 61, 62 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 56-6-0 for 250.0 plf.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
55) ANCHOR LOAD #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Vert: 29=1667(F)
56) ANCHOR LOAD #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-
Concentrated Loads (lb)
Vert: 29=-1667(F)
57) ANCHOR LOAD #1 LEFT: Lumber I
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-
Concentrated Loads (lb)
Horz: 29=-1667(F)
58) ANCHOR LOAD #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-
Concentrated Loads (lb)
Horz: 29=1667(F)
59) ANCHOR LOAD #2 UP: Lumber Inc
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-
Concentrated Loads (lb)
Vert: 30=1667(F)
60) ANCHOR LOAD #2 DOWN: Lumber
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-
Concentrated Loads (lb)
Vert: 30=-1667(F)
61) ANCHOR LOAD #2 LEFT: Lumber I
Uniform Loads (plf)

Continued on page 2

LOAD CASE(S)
Standard Except:
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Horz: 30=-1667(F)
62) ANCHOR LOAD #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-8=-74(F), 8-11=-74(F), 12-15=-74(F), 16-27=-16(F)
Concentrated Loads (lb)
Horz: 30=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB17	ROOF SPECIAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:59 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-AZIlpMqMFW46fIVu0JI5bqoTOyKkBDfQJ0FyX0yOAhY

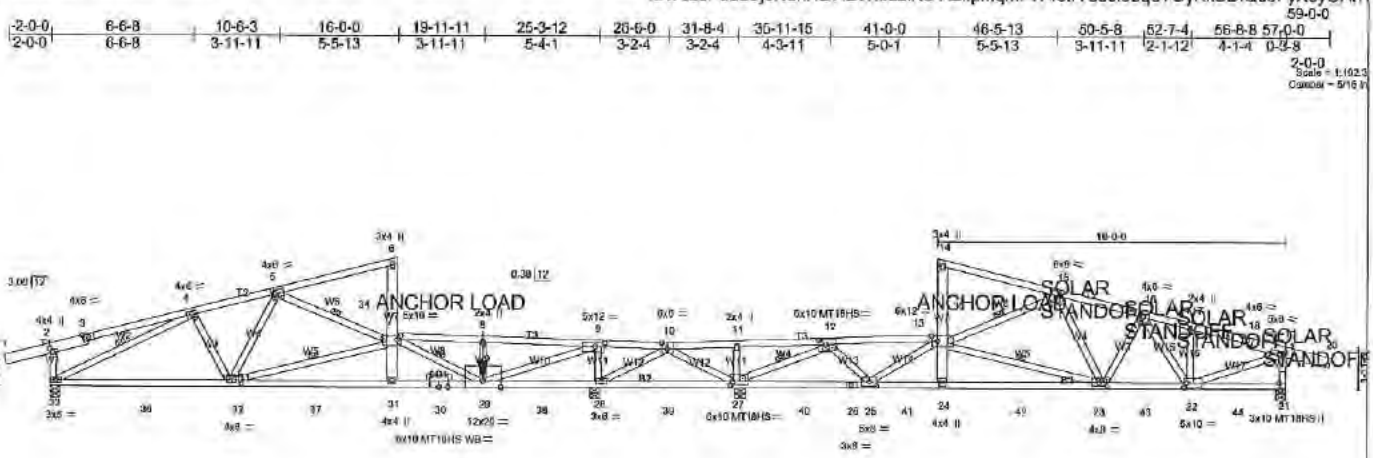


Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [5:0-0-11,0-2-0], [7:0-2-0,0-2-0], [9:0-5-4,0-2-0], [10:0-3-0,0-3-8], [12:0-3-12,0-2-4], [13:0-3-0,0-3-0], [15:0-0-3,0-2-8], [19:0-3-0,0-2-8], [21:0-3-8,Edge], [22:0-1-8,0-2-8], [23:0-4-0,0-1-12], [25:0-4-0,0-2-4], [27:0-1-8,0-1-12], [32:0-4-0,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.89	Vert(LL) -0.44 31-32 >685 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.80	Vert(CT) -0.75 31-32 >404 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.91	Horz(CT) 0.16 21 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 318 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W10,W17: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-1-12 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 2-11-7 oc bracing.
WEBS
1 Row at midpt 7-32, 7-29, 12-27, 13-23, 4-33, 5-7, 13-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-5-8.
(lb) - Max Horz
33=1667(LC 25)
Max Uplift
All uplift 100 lb or less at joint(s) except 28=-172(LC 4), 27=-399(LC 27), 21=-175(LC 5), 33=-178(LC 4)
Max Grav
All reactions 250 lb or less at joint(s) except 28=3693(LC 24), 27=3422(LC 28), 21=3234(LC 31), 33=1645(LC 24)

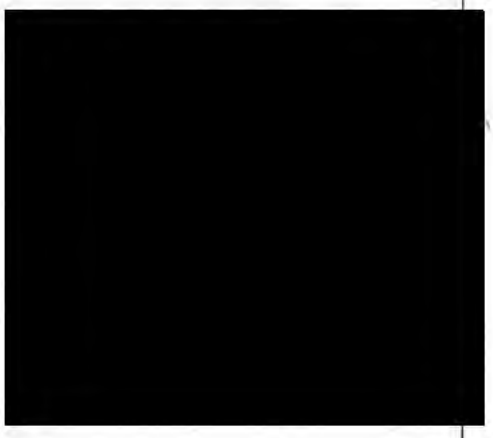
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-5=-2530/170, 5-6=-828/631, 7-31=0/328, 7-34=-1803/1479, 6-34=-313/68, 7-8=-2262/166, 8-9=-2264/161, 9-10=-276/4239, 10-11=-513/4259, 11-12=-514/4258, 12-13=-2528/275, 13-24=0/325, 13-35=-1803/1482, 14-35=-313/55, 14-15=-820/645, 15-16=-3384/182, 16-17=-3377/171, 17-18=-3412/176, 18-19=-3450/131, 2-33=-480/159, 19-21=-3181/193
BOT CHORD
33-36=-297/2908, 32-36=-297/2908, 32-37=-988/5244, 31-37=-988/5244, 30-31=-1033/5502, 29-30=-1033/5502, 29-38=-4230/274, 28-38=-4230/274, 28-39=-3235/199, 27-39=-3235/199, 27-40=-49/1080, 26-40=-49/1080, 25-26=-49/1080, 25-41=-1176/5244, 24-41=-1176/5244, 24-42=-1118/4987, 23-42=-1118/4987, 23-43=-119/3560, 22-43=-119/3560
WEBS
4-32=-262/241, 5-32=-82/1013, 7-32=-3378/1465, 7-29=-3653/1437, 9-28=-2931/194, 10-28=-1482/1327, 10-27=-1280/1370, 11-27=-354/81, 12-27=-5616/394, 12-25=-692/2475, 13-25=-3238/1077, 13-23=-3181/1557, 15-23=-155/934, 16-23=-571/337, 4-33=-2405/121, 5-7=-1954/201, 13-15=-2986/229, 8-29=-403/80, 9-29=-335/6874, 17-22=-757/206, 19-22=-158/3455, 16-22=-620/82

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 56-7-4, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 52-7-4, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 50-2-6, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 46-2-6 on top chord, and 178 lb down and 20 lb up at 19-11-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-6=-74, 7-8=-74, 8-9=-83(F=-8), 9-10=-74, 10-13=-74, 14-19=-74, 19-20=-74, 20-33=-16, 28-29=-24(F=-8), 21-28=-16
Concentrated Loads (lb)
Vert: 29=-161(F)
23) ANCHOR LOAD #1 UP: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-
19-20=-74(F), 29-33=-16(F), 28-29
Concentrated Loads (lb)
Vert: 29=-161(F) 34=1667(F)
24) ANCHOR LOAD #1 DOWN: Lumb
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-
19-20=-74(F), 29-33=-16(F), 28-29
Concentrated Loads (lb)
Vert: 29=-161(F) 34=-1667(F)
25) ANCHOR LOAD #1 LEFT: Lumber
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-
19-20=-74(F), 29-33=-16(F), 28-29
Concentrated Loads (lb)
Vert: 29=-161(F)
Horz: 34=-1667(F)
26) ANCHOR LOAD #1 RIGHT: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-
19-20=-74(F), 29-33=-16(F), 28-29=-24(F), 21-28=-16(F)
Concentrated Loads (lb)

Continued on page 2

LOAD CASE(S)
Standard Except:
Concentrated Loads (lb)
Vert: 29=-161(F)
Horz: 34=1667(F)
27) ANCHOR LOAD #2 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 9-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 29-33=-16(F), 28-29=-24(F), 21-28=-16(F)
Concentrated Loads (lb)
Vert: 29=-161(F) 35=1667(F)
28) ANCHOR LOAD #2 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 9-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 29-33=-16(F), 28-29=-24(F), 21-28=-16(F)
Concentrated Loads (lb)
Vert: 29=-161(F) 35=-1667(F)
29) ANCHOR LOAD #2 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 9-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 29-33=-16(F), 28-29=-24(F), 21-28=-16(F)
Concentrated Loads (lb)
Vert: 29=-161(F)
Horz: 35=-1667(F)
30) ANCHOR LOAD #2 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 9-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 29-33=-16(F), 28-29=-24(F), 21-28=-16(F)
Concentrated Loads (lb)
Vert: 29=-161(F)
Horz: 35=1667(F)
31) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 9-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 29-33=-16(F), 28-29=-24(F), 21-28=-16(F)
Concentrated Loads (lb)
Vert: 29=-161(F) 15=-691(F) 16=-691(F) 19=-691(F) 17=-691(F)
32) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 9-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 29-33=-16(F), 28-29=-24(F), 21-28=-16(F)
Concentrated Loads (lb)
Vert: 29=-161(F) 15=433(F) 16=433(F) 19=433(F) 17=433(F)
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 9-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 29-33=-16(F), 28-29=-24(F), 21-28=-16(F)
Concentrated Loads (lb)
Vert: 29=-161(F)
Horz: 15=55(F), 16=55(F), 19=55(F), 17=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 9-10=-74(F), 10-13=-74(F), 14-19=-74(F), 19-20=-74(F), 29-33=-16(F), 28-29=-24(F), 21-28=-16(F)
Concentrated Loads (lb)
Vert: 29=-161(F)
Horz: 15=-55(F), 16=-55(F), 19=-55(F), 17=-55(F)



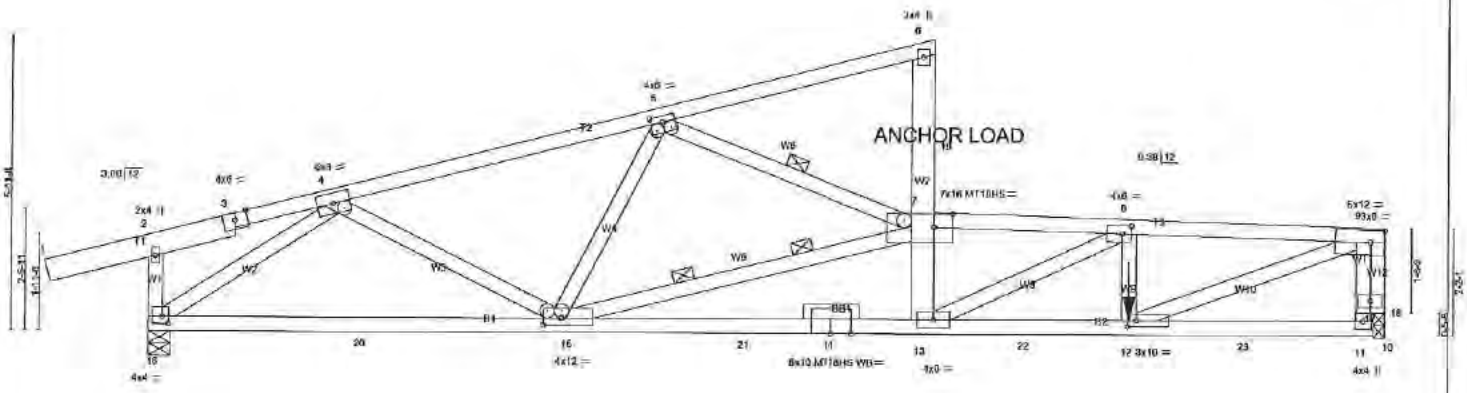
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB17-1	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:00 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-emJg1hr_0pCyHS44a0GK81LerLggwfTaYf7W3SyOAhX

-2-0-0	3-9-7	10-5-11	16-0-0	19-11-11	24-10-4	25-1-12
2-0-0	3-9-7	6-8-4	5-6-5	3-11-11	4-10-9	0-3-8

Scale = 1:45.0
Camber = 7/16 in



8-3-4	16-0-0	19-11-11	25-1-12
8-3-4	7-8-12	3-11-11	5-2-1

Plate Offsets (X,Y)-- [5:0-3-0,0-1-8], [7:0-4-8,0-3-4], [8:0-2-4,0-2-0], [12:0-2-0,0-1-8], [15:0-4-8,0-1-12], [16:0-1-8,0-1-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.85	Vert(LL) -0.62 13-15 >479 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.82	Vert(CT) -1.04 13-15 >286 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 1.00	Horz(CT) 0.13 18 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 143 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W10: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-8-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 13-15.
WEBS
1 Row at midpt 5-7
2 Rows at 1/3 pts 7-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
16 = 1331/0-5-8 (min. 0-2-1)
18 = 1287/0-2-12 (min. 0-1-8)
Max Horz
16 = 1667(LC 25)
Max Uplift
16 = -163(LC 4)
18 = -39(LC 5)
Max Grav
16 = 1951(LC 24)
18 = 2333(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-5=-3237/119, 5-6=-830/549, 7-13=-1577/760, 7-19=-1759/1604,
6-19=-269/60, 7-8=-8560/1270, 8-9=-5241/141, 11-17=0/325, 9-17=0/325,
2-16=-307/107
BOT CHORD
16-20=-376/2681, 15-20=-376/2681, 15-21=-1202/8093, 14-21=-1202/8093,
13-14=-1202/8093, 13-22=-141/5233, 12-22=-141/5233, 12-23=-5/529,
11-23=-5/529
WEBS
4-15=-212/981, 5-15=-228/1321, 5-7=-2481/207, 7-15=-5743/1677,
8-13=-1492/3694, 8-12=-1654/240, 9-12=-146/5066, 4-16=-2709/157,
9-18=-2388/41

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 178 lb down and 20 lb up at 19-11-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-6=-74, 7-8=-74, 8-9=-83(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-161(F)
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-64, 2-6=-64, 7-8=-64, 8-9=-72(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-143(F)
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=
Concentrated Loads (lb)
Vert: 12=-125(F)
4) Dead + 0.6 MWFRS Wind (Pos. Inter
Uniform Loads (plf)
Vert: 1-2=33, 2-6=21, 7-8=4, 8-9=-4(
Horz: 1-2=-50, 2-6=-37, 6-7=10, 7-8=
Concentrated Loads (lb)
Vert: 12=20(F)
5) Dead + 0.6 MWFRS Wind (Pos. Inter
Uniform Loads (plf)
Vert: 1-2=2, 2-6=7, 7-8=21, 8-9=12(F
Horz: 1-2=-19, 2-6=-24, 6-7=-25, 7-8=
Concentrated Loads (lb)
Vert: 12=20(F)
6) Dead + 0.6 MWFRS Wind (Neg. Inter
Uniform Loads (plf)
Vert: 1-2=-2, 2-6=-7, 7-8=-24, 8-9=-3
Horz: 1-2=-32, 2-6=-27, 6-7=31, 7-8=
Concentrated Loads (lb)
Vert: 12=-136(F)
7) Dead + 0.6 MWFRS Wind (Neg. Inter
Uniform Loads (plf)
Vert: 1-2=-15, 2-6=-21, 7-8=-7, 8-9=-16(F=-8), 12-16=-16, 10-12=-24(F=-8)
Horz: 1-2=-19, 2-6=-13, 6-7=-4, 7-8=-27, 8-9=27, 11-17=-26, 2-16=-9

Continued on page 2

LOAD CASE(S)
Concentrated Loads (lb)
Vert: 12=-99(F)
8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-6=21, 7-8=4, 8-9=-4(F=-8), 12-16=-10, 10-12=-18(F=-8)
Horz: 1-2=-32, 2-6=-37, 6-7=-43, 7-8=-21, 8-9=21, 11-17=18, 2-16=13
Concentrated Loads (lb)
Vert: 12=20(F)
9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-1, 2-6=4, 7-8=21, 8-9=12(F=-8), 12-16=-10, 10-12=-18(F=-8)
Horz: 1-2=-16, 2-6=-21, 6-7=-27, 7-8=-37, 8-9=37, 11-17=-13, 2-16=-18
Concentrated Loads (lb)
Vert: 12=20(F)
10) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-6=9, 7-8=-0, 8-9=-9(F=-8), 12-16=-10, 10-12=-18(F=-8)
Horz: 1-2=-21, 2-6=-26, 6-7=-31, 7-8=-16, 8-9=16, 11-17=14, 2-16=7
Concentrated Loads (lb)
Vert: 12=-1(F)
11) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-6=-0, 7-8=9, 8-9=1(F=-8), 12-16=-10, 10-12=-18(F=-8)
Horz: 1-2=-11, 2-6=-16, 6-7=-22, 7-8=-26, 8-9=26, 11-17=-7, 2-16=-14
Concentrated Loads (lb)
Vert: 12=-1(F)
12) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-6=-7, 7-8=-24, 8-9=-32(F=-8), 12-16=-16, 10-12=-24(F=-8)
Horz: 1-2=-32, 2-6=-27, 6-7=-21, 7-8=-10, 8-9=10, 11-17=7, 2-16=24
Concentrated Loads (lb)
Vert: 12=-132(F)
13) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-6=-24, 7-8=-7, 8-9=-16(F=-8), 12-16=-16, 10-12=-24(F=-8)
Horz: 1-2=-16, 2-6=-10, 6-7=-5, 7-8=-27, 8-9=27, 11-17=-24, 2-16=-7
Concentrated Loads (lb)
Vert: 12=-99(F)
14) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-89(F)
15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 7-8=-56, 8-9=-65(F=-8), 12-16=-16, 10-12=-24(F=-8)
Horz: 1-2=-24, 2-6=-20, 6-7=24, 7-8=-8, 8-9=8, 11-17=7, 2-16=19
Concentrated Loads (lb)
Vert: 12=-178(F)
16) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-50, 2-6=-54, 7-8=-44, 8-9=-53(F=-8), 12-16=-16, 10-12=-24(F=-8)
Horz: 1-2=-14, 2-6=-10, 6-7=-3, 7-8=-20, 8-9=20, 11-17=-19, 2-16=-7
Concentrated Loads (lb)
Vert: 12=-150(F)
17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 7-8=-56, 8-9=-65(F=-8), 12-16=-16, 10-12=-24(F=-8)
Horz: 1-2=-24, 2-6=-20, 6-7=-16, 7-8=-8, 8-9=8, 11-17=6, 2-16=18
Concentrated Loads (lb)
Vert: 12=-175(F)
18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-52, 2-6=-56, 7-8=-44, 8-9=-53(F=-8), 12-16=-16, 10-12=-24(F=-8)
Horz: 1-2=-12, 2-6=-8, 6-7=-4, 7-8=-20, 8-9=20, 11-17=-18, 2-16=-6
Concentrated Loads (lb)
Vert: 12=-150(F)
19) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-6=-74, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-161(F)
20) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-74, 8-9=-83(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-161(F)
21) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-64, 2-6=-64, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-143(F)
22) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-64, 8-9=-72(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-143(F)
23) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 12-16=-16(F), 10-12=-24(F)
Concentrated Loads (lb)
Vert: 12=-161(F) 19=1667(F)
24) Anchor Load #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 12-16=-16(F), 10-12=-24(F)
Concentrated Loads (lb)
Vert: 12=-161(F) 19=-1667(F)
25) Anchor Load #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 12-16=-16(F), 10-12=-24(F)
Concentrated Loads (lb)
Vert: 12=-161(F)
Horz: 19=1667(F)
26) Anchor Load #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 8-9=-83(F), 12-16=-16(F), 10-12=-24(F)
Concentrated Loads (lb)
Vert: 12=-161(F)
Horz: 19=1667(F)
27) 1st Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-89(F) 20=-250
28) 2nd Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-89(F) 21=-250
29) 3rd Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-89(F) 22=-250
30) 4th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-89(F) 23=-250
31) 5th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-89(F) 11=-250
32) 6th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-89(F) 16=-250
33) 7th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 15=-250 12=-89(F)
34) 8th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 13=-250 12=-89(F)
35) 9th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-339(F=-89)
36) 10th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-89(F) 11=-250
37) 11th Moving Load: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-34, 2-6=-34, 7-8=-34, 8-9=-43(F=-8), 12-16=-16, 10-12=-24(F=-8)
Concentrated Loads (lb)
Vert: 12=-89(F) 11=-250

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	A617-2	ROOF SPECIAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:02 2019 Page 1
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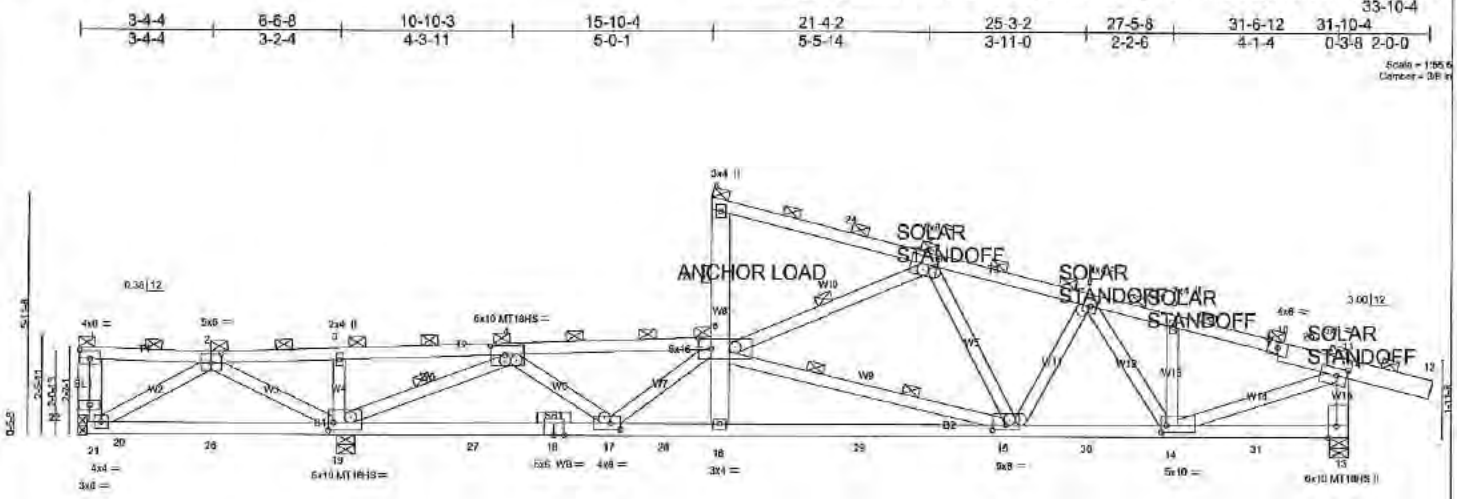


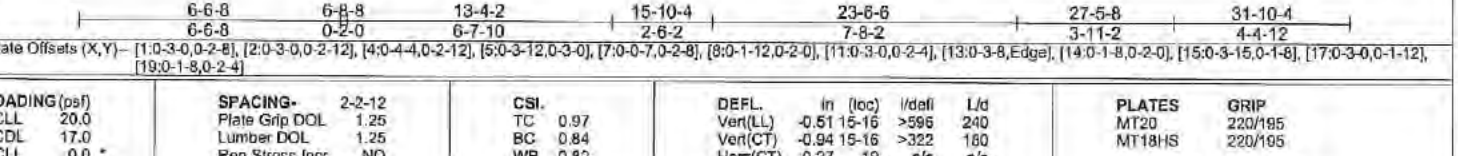


Plate Offsets (X,Y)-- [1:0-3-0,0-2-8], [2:0-3-0,0-2-12], [4:0-4-4,0-2-12], [5:0-3-12,0-3-0], [7:0-0-7,0-2-8], [8:0-1-12,0-2-0], [11:0-3-0,0-2-4], [13:0-3-8,Edge], [14:0-1-8,0-2-0], [15:0-3-15,0-1-8], [17:0-3-0,0-1-12], [19:0-1-8,0-2-4]

LOADING (psf)	SPACING- 2-2-12	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.97	Vert(LL) -0.51 15-16 >596 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.84	Vert(CT) -0.94 15-16 >322 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 0.82	Horz(CT) -0.27 19 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 178 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T4: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B2: 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G *Except*
W8: 2x6 DF No.2 G, W9,W14: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G *Except*
SB1: 2x4 DF No.2 G

BRACING-
TOP CHORD
2-0-0 oc purlins (2-1-4 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD
Rigid ceiling directly applied or 5-9-6 oc bracing.
WEBS
1 Row at midpt 4-19, 5-7
2 Rows at 1/3 pts 5-15

REACTIONS. (lb/size)
13 = 1402/0-5-8 (min. 0-3-13)
19 = 1822/0-5-8 (min. 0-3-2)
22 = 99/0-2-12 (min. 0-1-8)
Max Horz
22 = 1667(LC 29)
Max Uplift
13 = -202(LC 9)
19 = -124(LC 8)
22 = -620(LC 30)
Max Grav
13 = 3584(LC 31)
19 = 2904(LC 28)
22 = 818(LC 29)

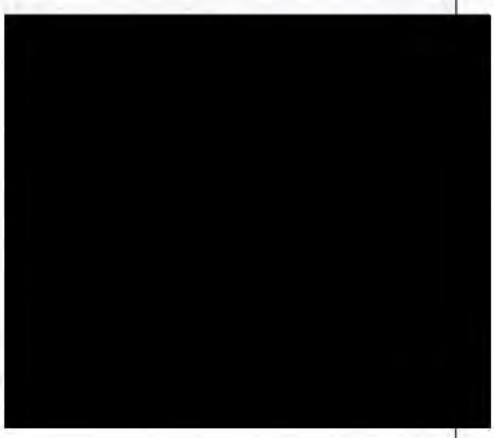
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-2175/3258, 3-4=-2174/3257, 4-5=-5726/797, 5-16=-22/328,
5-23=-1808/1461, 6-23=-327/60, 6-24=-807/630, 7-24=-860/566,
7-8=-4039/219, 8-9=-3851/202, 9-10=-3891/174, 10-25=-3910/163,
11-25=-3934/157, 11-13=-3522/222
BOT CHORD
19-27=-337/3863, 18-27=-337/3863, 17-18=-337/3863, 17-28=-1357/7547,
16-28=-1357/7547, 16-29=-1288/7170, 15-29=-1288/7170, 15-30=-146/4129,
14-30=-146/4129
WEBS
1-21=-753/773, 2-21=-1645/1763, 2-19=-1784/601, 3-19=-379/87,
4-19=-4971/217, 4-17=-582/2381, 5-7=-3477/264, 5-15=-4803/1770,
7-15=-182/1330, 8-15=-449/401, 9-14=-761/191, 8-14=-877/94,
11-14=-132/3940, 5-17=-2334/723, 1-22=-836/631

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 3-4-4, Interior(1) 3-4-4 to 16-1-0, Exterior(2) 16-1-0 to 19-3-4, Interior(1) 19-3-4 to 33-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Bearing at joint(s) 22 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 22.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 31-5-8, 691 lb down and 433 lb up and 55 lb left and 55 lb right at 27-5-8, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-0-10, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 21-0-10 on top chord. The design/selection of such connection device(s) is the responsibility of others.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) Anchor Load #1 UP: Lumber Increa
Uniform Loads (plf)
Vert: 1-2=-82(F), 2-5=-82(F), 6-11=
Concentrated Loads (lb)
Vert: 23=1667(F)
28) Anchor Load #1 DOWN: Lumber In
Uniform Loads (plf)
Vert: 1-2=-82(F), 2-5=-82(F), 6-11=
Concentrated Loads (lb)
Vert: 23=-1667(F)
29) Anchor Load #1 LEFT: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-82(F), 2-5=-82(F), 6-11=
Concentrated Loads (lb)
Horz: 23=-1667(F)
30) Anchor Load #1 RIGHT: Lumber In
Uniform Loads (plf)
Vert: 1-2=-82(F), 2-5=-82(F), 6-11=
Concentrated Loads (lb)
Horz: 23=1667(F)

Continued on page 2

LOAD CASE(S)
Standard Except:
31) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-82(F), 2-5=-82(F), 6-11=-82(F), 11-12=-82(F), 13-20=-18(F)
Concentrated Loads (lb)
Vert: 7=-691(F) 8=-691(F) 11=-691(F) 9=-691(F)
32) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-82(F), 2-5=-82(F), 6-11=-82(F), 11-12=-82(F), 13-20=-18(F)
Concentrated Loads (lb)
Vert: 7=433(F) 8=433(F) 11=433(F) 9=433(F)
33) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-82(F), 2-5=-82(F), 6-11=-82(F), 11-12=-82(F), 13-20=-18(F)
Concentrated Loads (lb)
Horz: 7=55(F), 8=55(F), 11=55(F), 9=55(F)
34) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-82(F), 2-5=-82(F), 6-11=-82(F), 11-12=-82(F), 13-20=-18(F)
Concentrated Loads (lb)
Horz: 7=-55(F), 8=-55(F), 11=-55(F), 9=-55(F)



Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB18	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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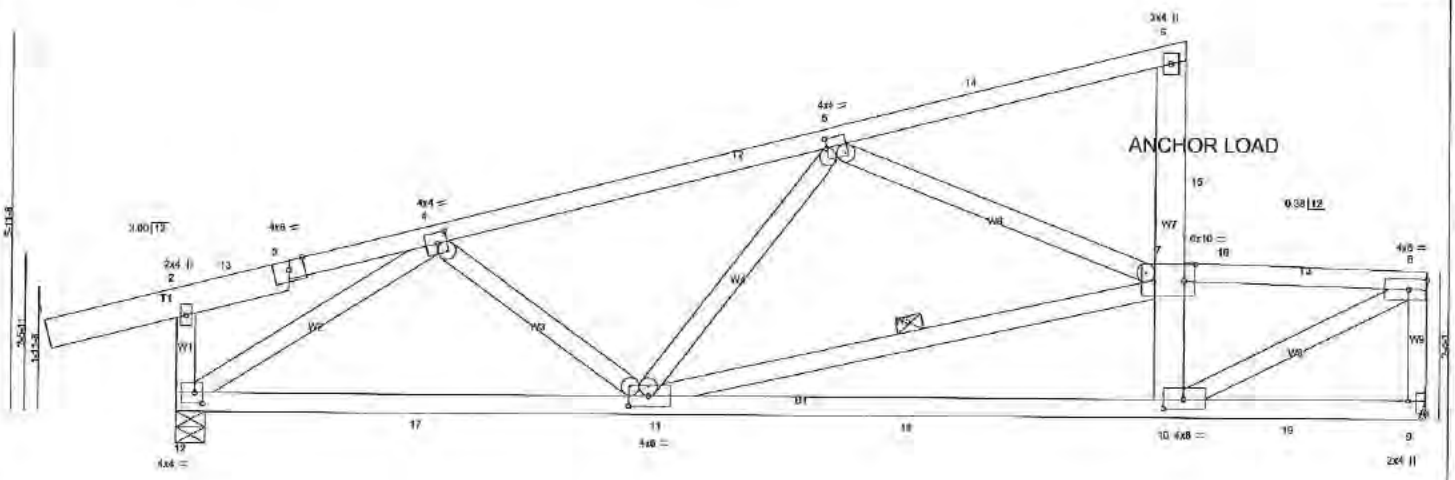
Camber = 3/16 in



7-4-2 / 7-4-2 | 15-9-4 / 8-5-2 | 19-10-3 / 4-0-15

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.86	Vert(LL) -0.25 11-12 >936 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.67	Vert(CT) -0.42 10-11 >554 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.83	Horz(CT) 0.08 9 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 118 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x6 DF No.2 G, W5,W8: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-11-12 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 5-10-7 oc bracing.
WEBS
1 Row at midpt 7-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
9 = 871/Mechanical
12 = 1052/0-5-8 (min. 0-1-8)
Max Horz
12 = 1667(LC 29)
Max Uplift
9 = -461(LC 27)
12 = -158(LC 8)
Max Grav
9 = 2203(LC 28)
12 = 1388(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-5=-1909/110, 5-14=-745/522, 6-14=-693/598, 7-10=-2031/756, 7-15=-1790/1497, 6-15=-285/70, 7-16=-4064/1204, 8-16=-4062/1212, 8-9=-2139/472, 2-12=-323/156
BOT CHORD
12-17=-319/2226, 11-17=-319/2226, 11-18=-1124/3856, 10-18=-1124/3856
WEBS
4-11=-189/352, 5-11=-172/608, 5-7=-1433/194, 7-11=-2454/1644, 8-10=-1372/4499, 4-12=-1811/128

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 19-8-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) ANCHOR LOAD #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 9-12=-16(F)
Concentrated Loads (lb)
Vert: 15=1667(F)
28) ANCHOR LOAD #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 9-12=-16(F)
Concentrated Loads (lb)
Vert: 15=-1667(F)
29) ANCHOR LOAD #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 9-12=-16(F)
Concentrated Loads (lb)
Horz: 15=-1667(F)
30) ANCHOR LOAD #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 7-8=-74(F), 9-12=-16(F)
Concentrated Loads (lb)
Horz: 15=1667(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB19	Roof Special	1	1	Job Reference (optional)

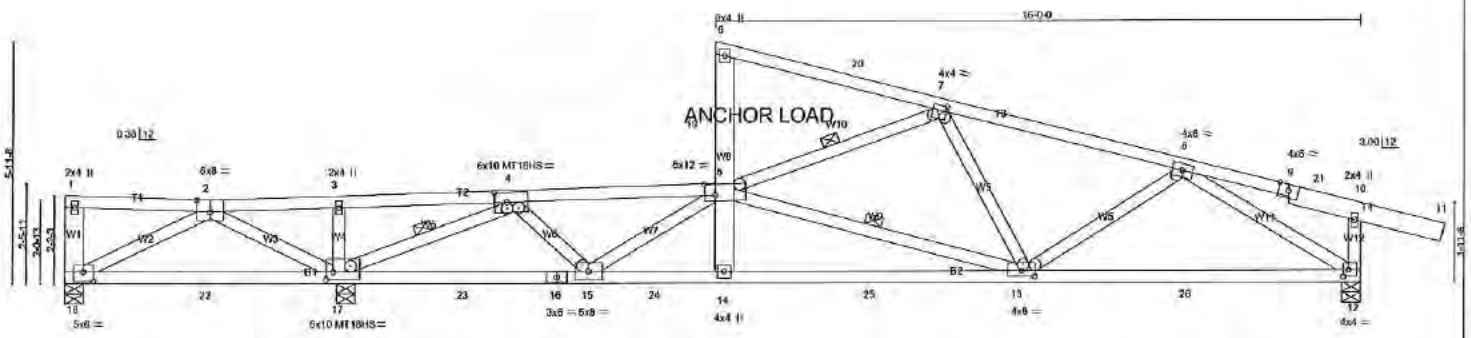
California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:67:04 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-XXZBs3uV42jOl3NspsLGltWN7z2?sTU9THzjDDyOAhT

34-1-0

3-7-0	6-9-4	11-0-15	16-1-0	21-8-0	27-8-3	31-9-8	32-1-0
3-7-0	3-2-4	4-3-11	5-0-1	5-7-0	6-0-2	4-1-5	0-3-8

Scale = 1:54.8
Camber = 1/4 in



6-9-4	6-11-4	12-11-5	16-3-12	23-10-14	32-1-0
6-9-4	0-2-0	6-0-1	3-4-7	7-7-2	8-2-2

Plate Offsets (X,Y)-- [2:0-4-0,0-3-8], [4:0-3-12,0-3-0], [5:0-3-0,0-3-4], [7:0-0-1,0-1-8], [12:0-1-8,0-2-0], [13:0-4-0,0-1-12], [17:0-2-0,0-2-4], [18:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.39	13-14	>787	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.65	13-14	>465	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.11	12	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 172 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T4: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W1,W8: 2x6 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-7-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-2-9 oc bracing.
WEBS
1 Row at midpt 4-17, 5-7, 5-13

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
18 = -262/0-5-8 (min. 0-1-8)
17 = 2120/0-5-8 (min. 0-4-5)
12 = 1158/0-5-8 (min. 0-1-11)
Max Horz
18 = 1667(LC 29)
Max Uplift
18 = -975(LC 28)
17 = -127(LC 8)
12 = -157(LC 9)
Max Grav
18 = 452(LC 27)
17 = 4054(LC 28)
12 = 1605(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-621/4242, 3-4=-622/4241, 4-5=-2522/217, 5-14=0/321,
5-19=-1790/1491, 6-19=-303/52, 6-20=-771/643, 7-20=-823/566,
7-8=-2430/165, 10-12=-351/159
BOT CHORD
18-22=-2108/564, 17-22=-2108/564, 17-23=-56/1140, 16-23=-56/1140,
15-16=-56/1140, 15-24=-1126/5245, 14-24=-1126/5245, 14-25=-1069/4966,
13-25=-1069/4966, 13-26=-143/1886, 12-26=-143/1886
WEBS
2-18=-589/2399, 2-17=-2434/111, 3-17=-350/78, 4-17=-5598/381,
4-15=-711/2466, 5-15=-3245/1088, 5-7=-1907/201, 5-13=-3133/1557,
7-13=-211/834, 8-13=-217/513, 8-12=-2196/181

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 3-7-0, Interior(1) 3-7-0 to 16-3-12, Exterior(2) 16-3-12 to 19-6-4, Interior(1) 19-6-4 to 34-1-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
27) ANCHOR LOAD #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-18=-16(F)
Concentrated Loads (lb)
Vert: 19=1667(F)
28) ANCHOR LOAD #1 DOWN: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-18=-16(F)
Concentrated Loads (lb)
Vert: 19=-1667(F)
29) ANCHOR LOAD #1 LEFT: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=-74(F), 10-11=-74(F), 12-18=-16(F)
Concentrated Loads (lb)
Horz: 19=-1667(F)
30) ANCHOR LOAD #1 RIGHT: Lumber
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-10=
Concentrated Loads (lb)
Horz: 19=1667(F)

[redacted]

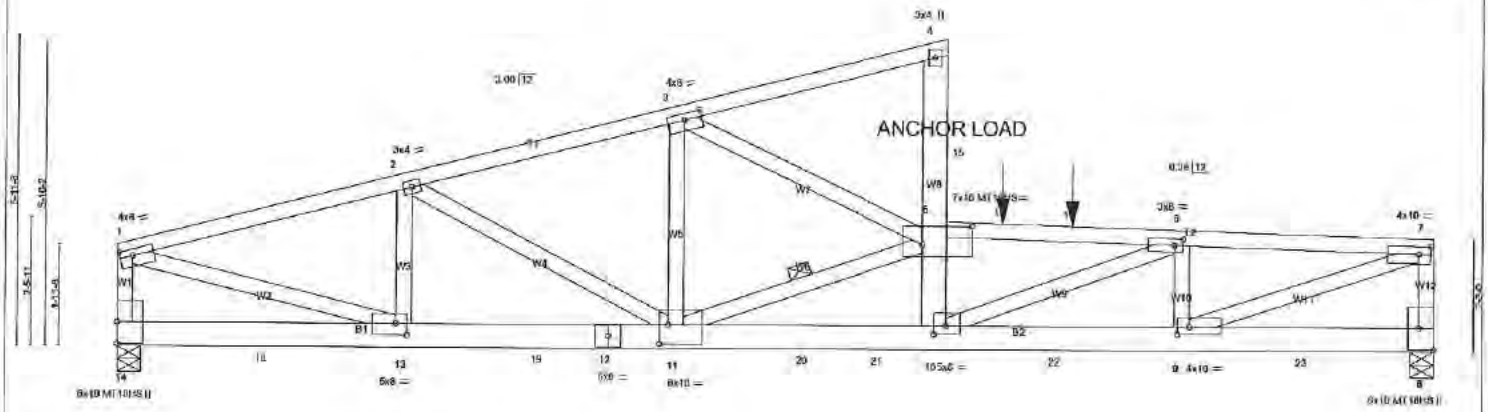
Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Square MMB
M29879 CHESTNUT SQUARE	AB20	ROOF SPECIAL GIRDER	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:05 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-?j6Z4Pv7rLrFNDy2NZsVr42V4MORbwIJhxIHgyOAhS

5-6-5	10-9-3	16-0-0	20-6-8	25-1-0	25-4-8
5-6-5	5-2-13	5-2-13	4-6-8	4-6-8	0-3-8

Scale = 1:42.7
Camber = 5/8 in



5-6-5	10-9-3	16-0-0	20-6-8	25-4-8
5-6-5	5-2-13	5-2-13	4-6-8	4-10-0

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.88	Vert(LL) -0.44 10-11 >683 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.72	Vert(CT) -1.08 10-11 >280 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr NO	WB 1.00	Horz(CT) 0.10 8 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 312 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T2: 2x4 DF No.1&Btr G
BOT CHORD 2x6 DF No.2 G *Except*
B2: 2x6 DF SS G
WEBS 2x4 DF Stud/Std G *Except*
W8: 2x6 DF No.2 G, W9,W11,W2: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-8-15 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 13-14.
WEBS
1 Row at midpt 5-11

REACTIONS. (lb/size)
8 = 4315/0-5-8 (min. 0-2-14)
14 = 4274/0-5-8 (min. 0-2-10)
Max Horz
14 = 1667(LC 60)
Max Uplift
8 = -414(LC 21)
14 = -2075(LC 19)
Max Grav
8 = 5353(LC 59)
14 = 4914(LC 38)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-8065/3711, 2-3=-8260/3568, 3-4=-1629/1358, 5-10=-2322/404,
5-15=-1744/1542, 4-15=-492/512, 5-16=-18699/4013, 16-17=-18696/3354,
6-17=-18694/3355, 6-7=-11258/2008, 7-8=-4746/389, 1-14=-4305/2015
BOT CHORD
14-18=-1375/1922, 13-18=-2529/2468, 13-19=-1495/7516,
12-19=-1494/7516, 11-12=-1830/7516, 11-20=-3155/17889,
20-21=-1448/17889, 10-21=-1448/17889, 10-22=-858/11247,
9-22=-858/11247
WEBS
2-13=-1196/1057, 2-11=-1370/1533, 3-11=-532/5151, 3-5=-8389/996,
5-11=-10568/2980, 6-10=-887/8038, 6-9=-2729/218, 7-9=-877/11785,
1-13=-3658/7886

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) 100.0lb AC unit load placed on the top chord, 17-9-0 from left end, supported at two points, 1-4-0 apart.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2305.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 58, 59, 60, 61 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 14-8-12 for 430.7 plf.
14) Girder carries tie-in span(s): 13-6-0 from 0-0-0 to 25-4-8
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 50 lb down at 17-1-0, and 50 lb down at 18-5-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74, 5-7=-74, 8-14=-264(F=-248)
Concentrated Loads (lb)
Vert: 16=-50 17=-50
58) Anchor Load #1 UP: Lumber Increase=2.00, Plate Increase=2.00
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-264(F)
Concentrated Loads (lb)
Vert: 15=1667(F) 16=-50(F) 17=-50(
59) Anchor Load #1 DOWN: Lumber Inc
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-
Concentrated Loads (lb)
Vert: 15=-1667(F) 16=-50(F) 17=-50(
60) Anchor Load #1 LEFT: Lumber Incre
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-
Concentrated Loads (lb)
Vert: 16=-50(F) 17=-50(F)
Horz: 15=-1667(F)
61) Anchor Load #1 RIGHT: Lumber Inc
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-7=-74(F), 8-14=-
Concentrated Loads (lb)
Vert: 16=-50(F) 17=-50(F)
Horz: 15=1667(F)

[redacted]

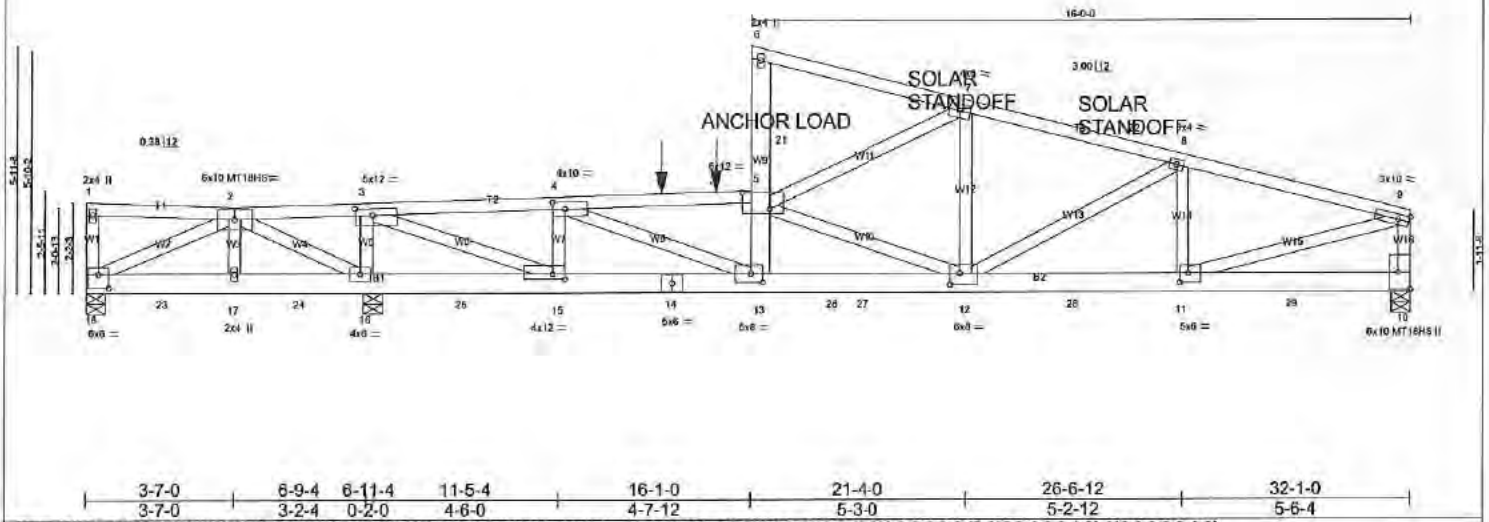
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AB21	ROOF SPECIAL GIRDER	1	3	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:07 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-x6EJV5wNNz5zcX6QU_uzwV7t4A5H3tgc9FBNpYyOAhQ

3-7-0	6-9-4	11-5-4	16-1-0	21-4-0	26-6-12	31-9-8	32-1-0
3-7-0	3-2-4	4-8-0	4-7-12	5-3-0	5-2-12	5-2-12	0-3-8

Scale = 1:53.7
Camber = 5/16 in



3-7-0	6-9-4	6-11-4	11-5-4	16-1-0	21-4-0	26-6-12	32-1-0
3-7-0	3-2-4	0-2-0	4-6-0	4-7-12	5-3-0	5-2-12	5-6-4

Plate Offsets (X,Y)-- [3:0-5-0,0-2-0], [4:0-3-8,0-2-0], [5:0-8-0,0-4-12], [10:Edge,0-3-8], [11:0-2-8,0-2-12], [12:0-2-12,0-3-4], [13:0-3-8,0-2-8], [15:0-3-8,0-1-8], [18:0-3-0,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.33	12-13	>927	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.89	12-13	>339	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	-0.03	16	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 576 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W9: 2x6 DF No.2 G, W6,W8,W16,W15: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-10-12 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 12-13,11-12.

REACTIONS. (lb/size)
18 = -911/0-5-8 (min. 0-1-8)
16 = 8016/0-5-11 (min. 0-5-9)
10 = 3754/0-5-8 (min. 0-2-8)
Max Horz
18 = 2875(LC 49)
10 = -3044(LC 50)
Max Uplift
18 = -2238(LC 48)
16 = -1543(LC 19)
10 = -1463(LC 30)
Max Grav
18 = 120(LC 30)
16 = 15717(LC 48)
10 = 6946(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-882/867, 2-3=-1614/13898, 3-4=-5911/1612, 4-19=-19745/3600,
19-20=-19747/2978, 5-20=-19750/2499, 5-13=-3508/1291, 5-21=-1742/1557,
6-21=-529/527, 6-7=-1498/1326, 7-22=-10191/1391, 8-22=-10232/1983,
8-9=-10452/2581, 9-10=-5635/1414
BOT CHORD
18-23=-8635/1513, 17-23=-8635/1513, 17-24=-8635/1513,
16-24=-8635/1513, 16-25=-16167/1685, 15-25=-16167/2001,
14-15=-1089/3578, 13-14=-2602/3887, 13-26=-674/16750,
26-27=-1457/16750, 12-27=-1457/16750, 12-28=-1363/7803,
11-28=-1363/7803, 11-29=-2570/1114, 10-29=-2570/1114
WEBS
2-18=-271/7091, 2-17=-102/1286, 2-16=-8530/594, 3-16=-8729/1448,
3-15=-3442/21157, 4-15=-5317/1165, 4-13=-3395/14941, 5-7=-10485/1577,
5-12=-9745/1013, 7-12=-923/6514, 8-12=-1168/1012, 8-11=-672/780,
9-11=-2529/10032

NOTES-
1) Special connection required to distribute top chord loads equally between all plies.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-5-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
6) 100.0lb AC unit load placed on the top chord, 14-7-0 from left end, supported at two points, 1-4-0 apart.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) A plate rating reduction of 20% has been applied for the green lumber members.
12) Non Standard bearing condition. Review required.
13) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
14) Load case(s) 47, 48, 49, 50, 66, 67, 68, 69 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
15) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
16) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 6-8-8 to 18-1-0 for 705.1 plf.
17) Girder carries tie-in span(s): 13-6-0 from 0-0-0 to 32-1-0
18) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
19) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 50 lb down at 13-11-0, 50 lb down at 15-3-0, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 21-3-6, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 25-3-6 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lumber
Uniform Loads (plf)
Vert: 1-2=-74, 2-5=-74, 6-9=-74, 10-18
Concentrated Loads (lb)
Vert: 19=-50 20=-50
47) ANCHOR LOAD #1 UP: Lumber Incr
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74
Concentrated Loads (lb)
Vert: 19=-50(F) 20=-50(F) 21=1667(F
48) ANCHOR LOAD #1 DOWN: Lumber
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74
Concentrated Loads (lb)
Vert: 19=-50(F) 20=-50(F) 21=-1667(
49) ANCHOR LOAD #1 LEFT: Lumber In
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74
Concentrated Loads (lb)
Vert: 19=-50(F) 20=-50(F)
Horz: 21=-1667(F)
50) ANCHOR LOAD #1 RIGHT: Lumber Increase=2.00, Plate Increase=2.00

Continued on page 2

LOAD CASE(S)
Standard Except:
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-18=-513(F)
Concentrated Loads (lb)
Vert: 19=-50(F) 20=-50(F)
Horz: 21=1667(F)
66) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-18=-264(F)
Concentrated Loads (lb)
Vert: 7=-691(F) 19=-50(F) 20=-50(F) 22=-691(F)
67) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-18=-264(F)
Concentrated Loads (lb)
Vert: 7=433(F) 19=-50(F) 20=-50(F) 22=433(F)
68) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-18=-264(F)
Concentrated Loads (lb)
Vert: 19=-50(F) 20=-50(F)
Horz: 7=55(F), 22=55(F)
69) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-5=-74(F), 6-9=-74(F), 10-18=-264(F)
Concentrated Loads (lb)
Vert: 19=-50(F) 20=-50(F)
Horz: 7=-55(F), 22=-55(F)

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AC01	COMMON GIRDER	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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5-1-9	9-4-6	13-7-3	17-10-0	22-0-13	26-3-10	30-6-7	35-4-8	35-9-0
5-1-9	4-2-13	4-2-13	4-2-13	4-2-13	4-2-13	4-2-13	4-10-1	0-3-8

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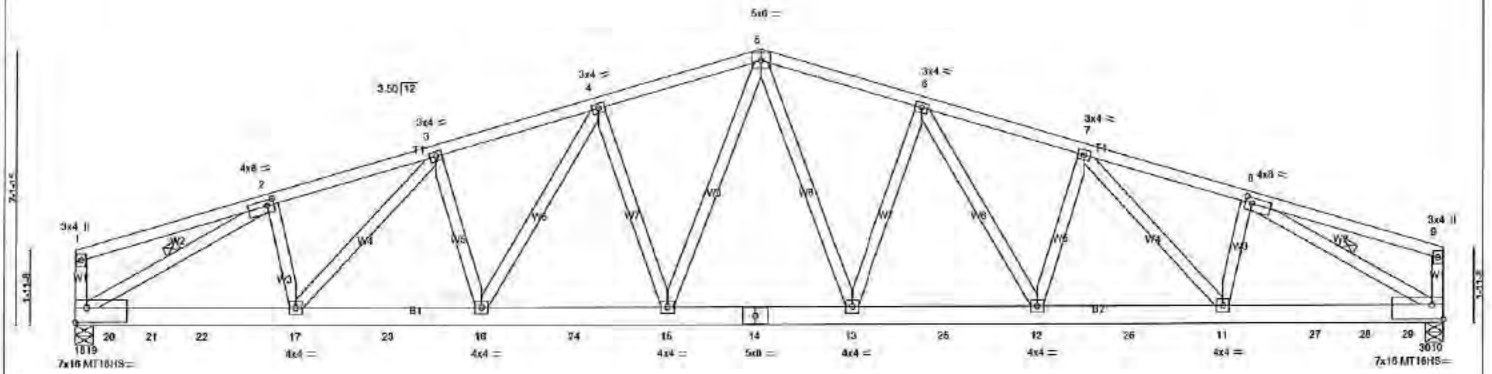
5x6 =
3.50 12
3x4 =
4x6 =
3x4 =
3x4 =
3x4 =
4x6 =
3x4 =
3x4 =
3x4

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AC02	COMMON	5	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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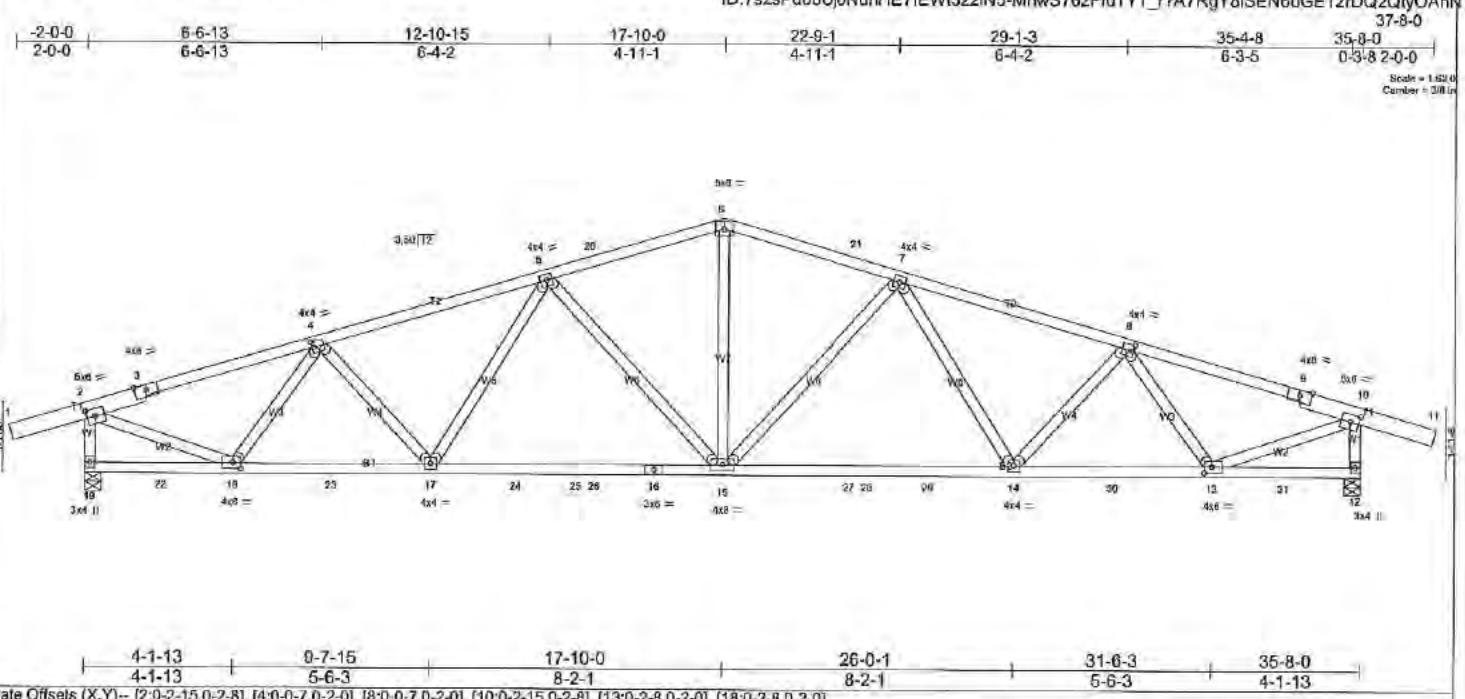

Plate Offsets (X,Y)-- [2:0-2-15,0-2-8], [4:0-0-7,0-2-0], [8:0-0-7,0-2-0], [10:0-2-15,0-2-8], [13:0-2-8,0-2-0], [18:0-2-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.31	15-17	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.68	15-17	>628	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.14	12	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 192 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-5-7 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
19 = 1755/0-5-8 (min. 0-1-14)
12 = 1755/0-5-8 (min. 0-1-14)
Max Horz
19 = 45(LC 16)
Max Uplift
19 = -205(LC 8)
12 = -205(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-2043/143, 3-4=-1913/169, 4-5=-2577/236, 5-20=-2194/187,
6-20=-2135/208, 6-21=-2135/208, 7-21=-2194/187, 7-8=-2577/236,
8-9=-1913/169, 9-10=-2043/143, 2-19=-1717/221, 10-12=-1717/221
BOT CHORD
18-23=-183/2340, 17-23=-183/2340, 17-24=-127/2391, 24-25=-127/2391,
25-26=-127/2391, 16-26=-127/2391, 15-16=-127/2391, 15-27=-98/2391,
27-28=-98/2391, 28-29=-98/2391, 14-29=-98/2391, 14-30=-154/2340,
13-30=-154/2340
WEBS
6-15=-47/892, 7-15=-572/161, 7-14=-21/265, 8-13=-821/96,
5-15=-572/161, 5-17=-21/265, 4-18=-821/96, 2-18=-92/1978,
10-13=-92/1978

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-12 to 1-6-0, Interior(1) 1-6-0 to 17-10-0, Exterior(2) 17-10-0 to 21-4-13, Interior(1) 21-4-13 to 37-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AC03	GABLE	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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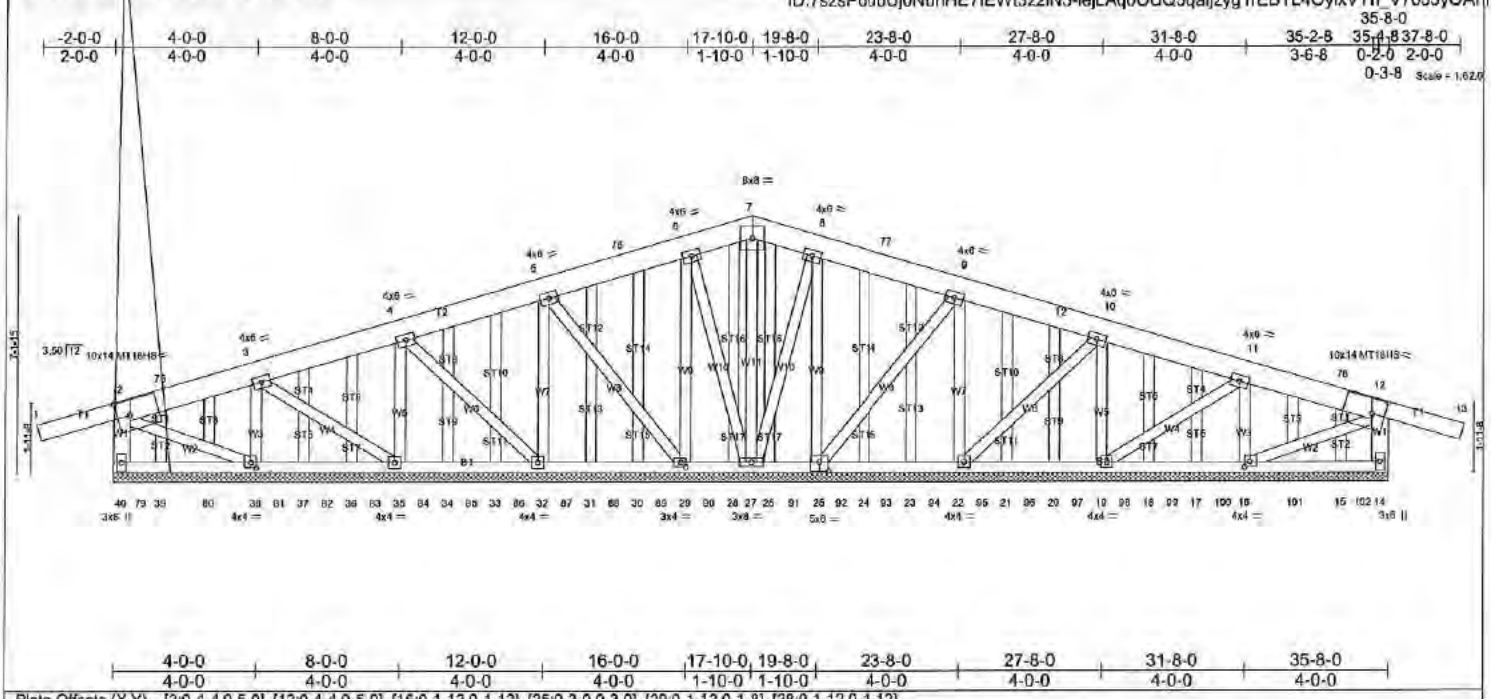

Plate Offsets (X,Y)-- [2:0-4-4,0-5-0], [12:0-4-4,0-5-0], [16:0-1-12,0-1-12], [25:0-3-0,0-3-0], [29:0-1-12,0-1-8], [38:0-1-12,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	0.00	12	n/r	180	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.02	13	n/r	120	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.01	24	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-SH		Wind(LL)	0.02	13	n/r	120	Weight: 373 lb	FT = 20%

LUMBER-
TOP CHORD 2x8 DF No.2 G *Except*
T2: 2x8 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W1: 2x6 DF No.2 G
OTHERS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 35-8-0.
(lb) - Max Horz
40= 155(LC 43)
Max Uplift
All uplift 100 lb or less at joint(s) 27, 15, 17, 18, 20, 21, 23, 24, 26, 39, 37, 36, 34, 33, 31, 30, 28 except 40=-1339(LC 27), 25=-371(LC 37), 22=-191(LC 30), 19=-406(LC 38), 16=-370(LC 38), 29=-395(LC 36), 32=-202(LC 35), 35=-414(LC 35), 38=-392(LC 35), 14=-1390(LC 30)
Max Grav
All reactions 250 lb or less at joint(s) except 40=1389(LC 48), 27=403(LC 68), 25=434(LC 48), 22=386(LC 99), 19=480(LC 47), 16=460(LC 47), 29=458(LC 47), 32=387(LC 89), 35=486(LC 48), 38=476(LC 48), 14=1431(LC 47), 15=290(LC 106), 17=265(LC 104), 18=273(LC 103), 20=271(LC 101), 21=271(LC 100), 23=272(LC 98), 24=270(LC 97), 26=271(LC 95), 39=290(LC 82), 37=265(LC 84), 36=273(LC 85), 34=271(LC 87), 33=271(LC 88), 31=271(LC 90), 30=271(LC 91), 28=269(LC 67)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-75=-1781/1777, 3-75=-1500/1510, 3-4=-1963/1963, 4-5=-1783/1837, 5-76=-1357/1428, 6-76=-754/832, 6-7=-415/543, 7-8=-468/585, 8-77=-796/883, 9-77=-1399/1477, 9-10=-1843/1884, 10-11=-2006/2020, 11-78=-1547/1553, 12-78=-1827/1819, 2-40=-1398/1316, 12-14=-1402/1410
BOT CHORD
40-79=-421/445, 39-79=-283/307, 38-80=-620/644, 38-81=-849/878, 37-81=-549/711, 37-82=-516/511, 36-82=-349/378, 35-84=-917/969, 34-84=-750/802, 34-85=-583/635, 33-85=-416/468, 33-86=-250/302, 32-87=-768/827, 31-87=-601/660, 31-88=-435/494, 30-88=-268/326, 29-89=-253/312, 29-90=-425/458, 28-90=-251/285, 25-91=-377/406, 25-92=-290/335, 24-93=-210/255, 23-93=-381/425, 23-94=-547/592, 22-94=-714/759, 21-96=-351/398, 20-96=-518/565, 20-97=-685/732, 19-97=-851/898, 19-98=-229/270, 18-99=-267/307, 17-99=-433/441, 17-100=-591/641, 16-100=-767/807, 16-101=-687/704, 15-101=-287/104, 14-102=-282/300
WEBS
8-27=-517/473, 8-25=-528/473, 9-25=-1034/1011, 9-22=-1064/984, 10-22=-1214/1206, 10-19=-1228/1134, 11-19=-1330/1335, 11-16=-1160/1058, 6-27=-500/459, 6-29=-509/457, 5-29=-1051/1026, 5-32=-1075/998, 4-32=-1221/1207, 4-35=-1229/1136, 3-35=-1325/1330, 3-38=-1137/1053, 2-38=-1578/1585, 12-16=-1589/1622

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-12 to 1-6-0, Interior(1) 1-6-0 to 17-10-0, Exterior(2) 17-10-0 to 21-4-13, Interior(1) 21-4-13 to 37-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist dra

[redacted]

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AD01	MONO CAL HIP	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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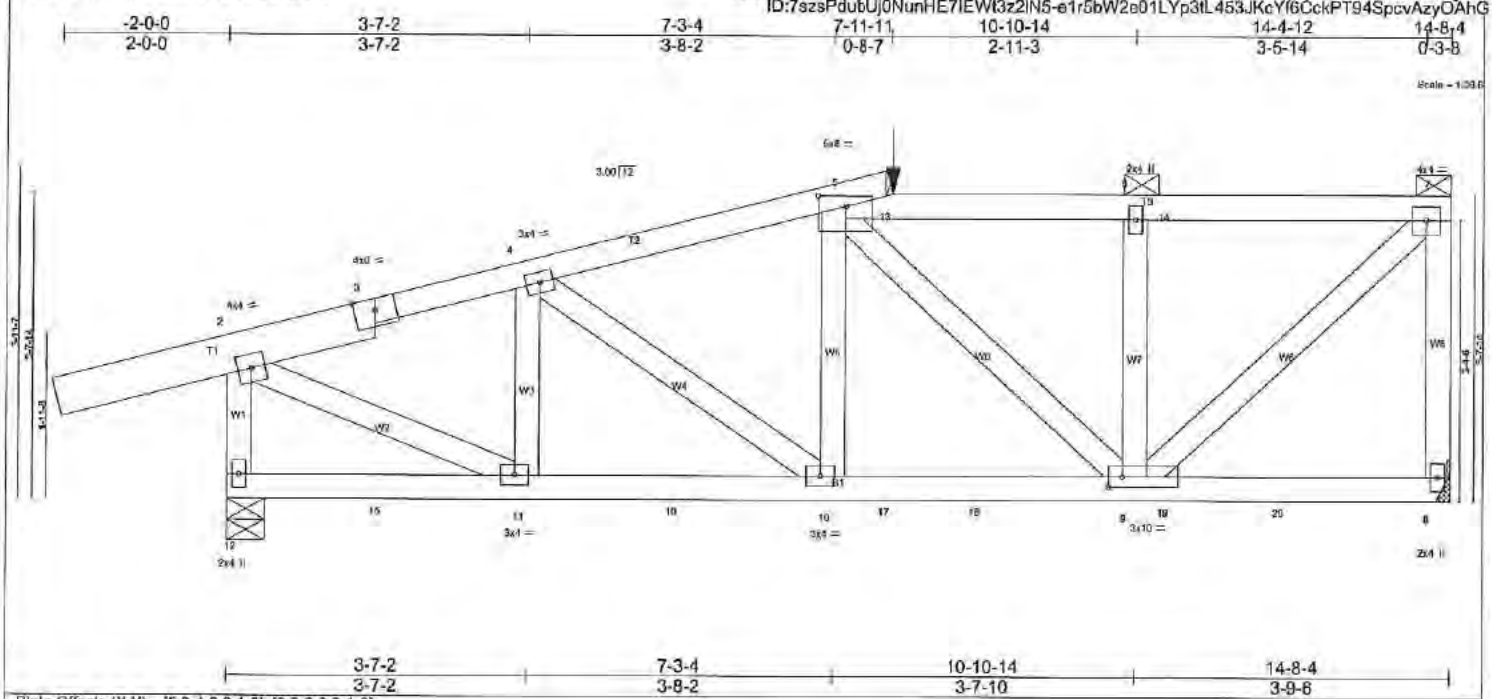

	3-7-2	7-3-4	10-10-14	14-8-4
	3-7-2	3-8-2	3-7-10	3-9-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.43	Vert(LL)	-0.03	9-10	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.24	Vert(CT)	-0.07	9-10	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.46	Horz(CT)	0.01	8	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 174 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W8: 2x4 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 5-7. Except:
6-0-0 oc bracing: 5-7
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
8 = 1919/Mechanical
12 = 1548/0-5-8 (min. 0-1-8)
Max Horz
12 = 136(LC 5)
Max Uplift
8 = -330(LC 4)
12 = -231(LC 4)
Max Grav
8 = 1969(LC 18)
12 = 1548(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1698/204, 3-4=-1666/217, 4-5=-2309/388, 5-13=-1794/330, 6-13=-1794/330, 6-14=-1794/330, 7-14=-1794/330, 7-8=-1896/364, 2-12=-1482/264
BOT CHORD
11-16=-221/1548, 10-16=-221/1548, 10-17=-373/2201, 17-18=-373/2201, 9-18=-373/2201
WEBS
4-11=-605/173, 4-10=-178/806, 5-10=-319/182, 5-9=-676/114, 6-9=-1031/307, 7-9=-399/2364, 2-11=-198/1748

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) Refer to girder(s) for truss to truss connections.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Girder carries hip end with 8-0-0 end setback and tie-in span of 4-0-0 from subgirder.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1062 lb down and 259 lb up at 8-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-5=-74, 5-13=-74, 7-14=-214, 8-12=-38(F=-22)
Concentrated Loads (lb)
Vert: 13=-839
Trapezoidal Loads (plf)
Vert: 13=-177-to-14=-214

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 98
M29679 CHESTNUT SQUARE	AD02	MONO CAL HIP	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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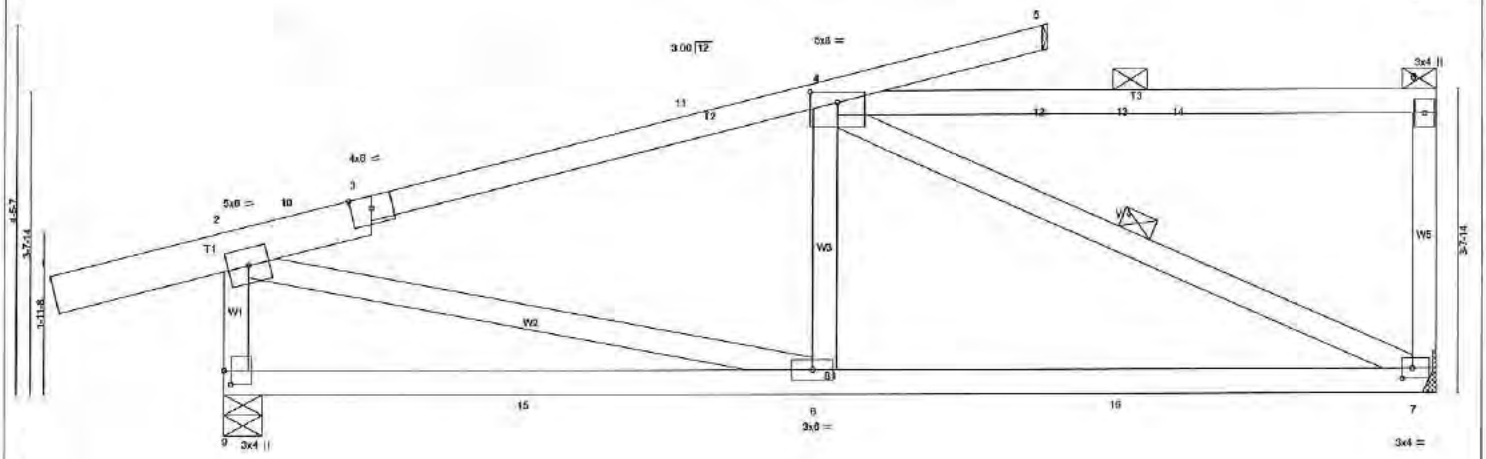
2-0-0	7-3-4	2-8-7	4-5-1	0-3-8

Scale = 1:26.8
Camber = 1/8 in



7-3-4	14-8-4
7-3-4	7-5-0

Plate Offsets (X,Y)-- [4:0-4-0,0-1-8], [7:0-1-8,0-1-8], [9:0-2-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.24	7-8	>720	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.35	7-8	>493	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.02	7	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 80 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
9 = 858/0-5-8 (min. 0-1-8)
7 = 687/Mechanical
Max Horz
9 = 164(LC 9)
Max Uplift
9 = -161(LC 8)
7 = -107(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-10=-966/331, 3-10=-949/332, 3-11=-890/352, 4-11=-844/359,
2-9=-806/291
BOT CHORD
8-16=-368/871, 7-16=-368/871
WEBS
4-7=-905/449, 2-8=-413/810

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 9-11-11, Exterior(2) 7-5-0 to 11-7-15, Interior(1) 11-7-15 to 14-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

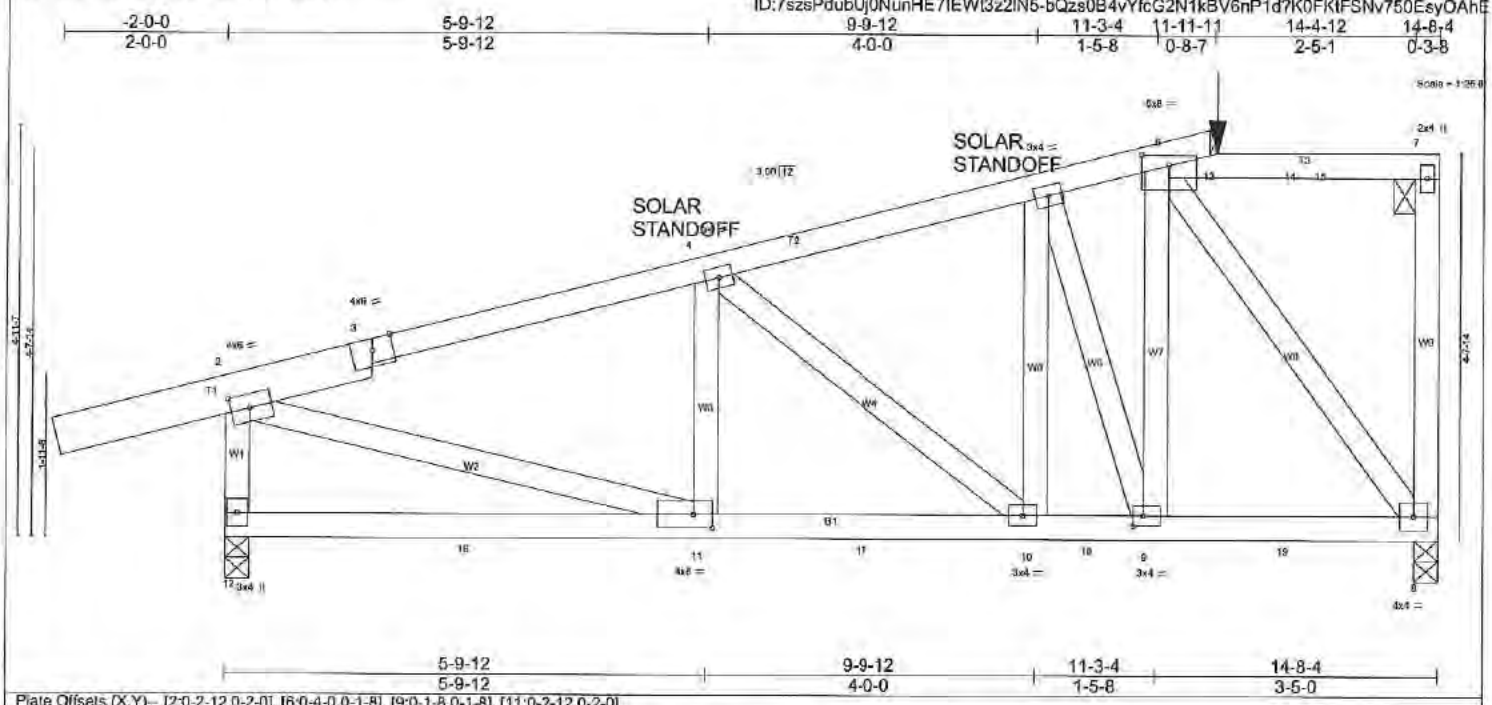
LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 99
M29679 CHESTNUT SQUARE	AD03	MONO CAL HIP	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:19 2019 Page 1
ID:7szsPdubUj0NunHE7IEWI3z2IN5-bQzs0B4vYfcG2N1kBV6nP1d?K0FKtFSNv750EsyOAhE



5-9-12	9-9-12	11-3-4	14-8-4
5-9-12	4-0-0	1-5-8	3-5-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.10	11-12	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.16	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.04	8	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 95 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-1-15 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
8 = 903/0-3-8 (min. 0-2-1)
12 = 864/0-3-8 (min. 0-1-10)
Max Horz
12 = 175(LC 5)
Max Uplift
8 = -165(LC 4)
12 = -160(LC 4)
Max Grav
8 = 1906(LC 23)
12 = 1550(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-2173/103, 3-4=-2133/123, 4-5=-1615/128, 5-6=-1168/125, 7-8=-342/72, 2-12=-1499/184
BOT CHORD
11-17=-101/2036, 10-17=-101/2036, 10-18=-88/1528, 9-18=-88/1528, 9-19=-89/1116, 8-19=-89/1116
WEBS
6-9=-227/1094, 6-8=-1884/138, 2-11=-66/2056, 5-10=-12/429, 4-10=-643/52, 5-9=-1124/269, 4-11=-486/128

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Girder carries tie-in spans of 4-0-0 from front girder and 2-0-0 from back girder.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 296 lb down and 46 lb up at 12-0-0, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-6=-74, 6-15=-111, 7-15=-148(B=-37), 8-12=-16
Concentrated Loads (lb)
Vert: 13=-148
23) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-15=-148(F=-74), 7-15=-222(F=-74, B=-74), 8-12=-16(F)
Concentrated Loads (lb)
Vert: 5=-691(F) 4=-691(F) 13=-296
24) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-15=-148(F=-74), 7-15=-222(F=-74, B=-74), 8-12=-16(F)
Concentrated Loads (lb)
Vert: 5=433(F) 4=433(F) 13=-296
25) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-15=-1
Concentrated Loads (lb)
Vert: 13=-296
Horz: 5=-55(F), 4=-55(F)
26) SOLAR STANDOFFS RIGHT: Lumbe
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-15=-1
Concentrated Loads (lb)
Vert: 13=-296
Horz: 5=55(F), 4=55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AD04	MONO CAL HIP	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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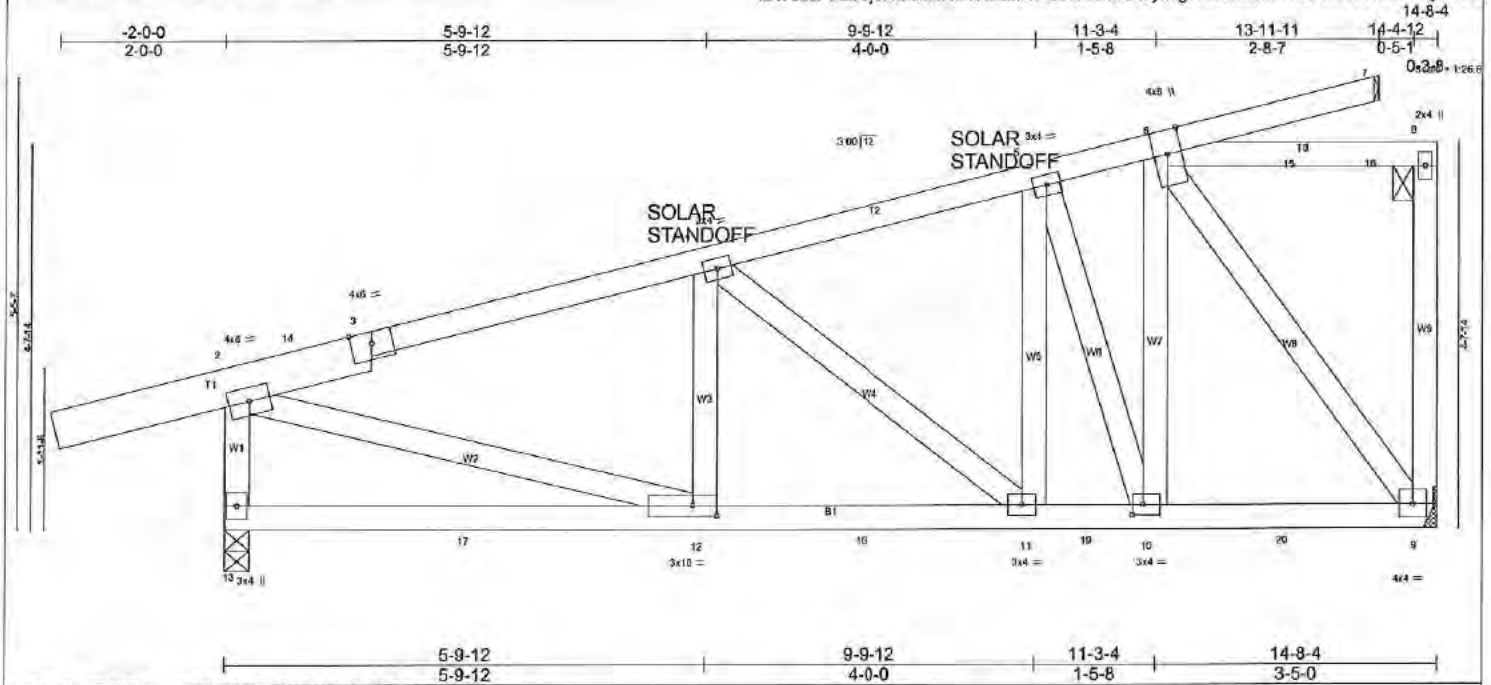

Plate Offsets (X,Y)-- [10:0-1-8,0-1-8], [12:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.10	12-13	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.16	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.03	9	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 98 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-4-2 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
9 = 711/Mechanical
13 = 834/0-3-8 (min. 0-1-9)
Max Horz
13 = 204(LC 9)
Max Uplift
9 = -125(LC 8)
13 = -144(LC 8)
Max Grav
9 = 1447(LC 36)
13 = 1480(LC 36)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-14=-2044/73, 3-14=-2026/75, 3-4=-1970/94, 4-5=-1443/89, 5-6=-996/129, 2-13=-1430/185
BOT CHORD
12-18=-185/1911, 11-18=-185/1911, 11-19=-144/1361, 10-19=-144/1361, 10-20=-140/958, 9-20=-140/958
WEBS
6-10=-242/1079, 6-9=-1631/336, 2-12=-38/1928, 4-12=-450/144, 5-11=-20/458, 4-11=-697/65, 5-10=-1098/294

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 13-11-11, Exterior(2) 11-5-0 to 14-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 36, 37, 38, 39 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
36) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 6-16=-34(F), 8-16=-74(F), 9-13=-16(F)
Concentrated Loads (lb)
Vert: 4=-691(F) 5=-691(F)
37) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 6-16=-34(F), 8-16=-74(F), 9-13=-16(F)
Concentrated Loads (lb)
Vert: 4=433(F) 5=433(F)
38) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 6-16=-34(F), 8-16=-74(F), 9-13=-16(F)
Concentrated Loads (lb)
Horz: 4=-55(F), 5=-55(F)
39) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 6-16=-34(F), 8-16=-74(F), 9-13=-16(F)
Concentrated Loads (lb)
Horz: 4=55(F), 5=55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AD05	MONOPITCH	5	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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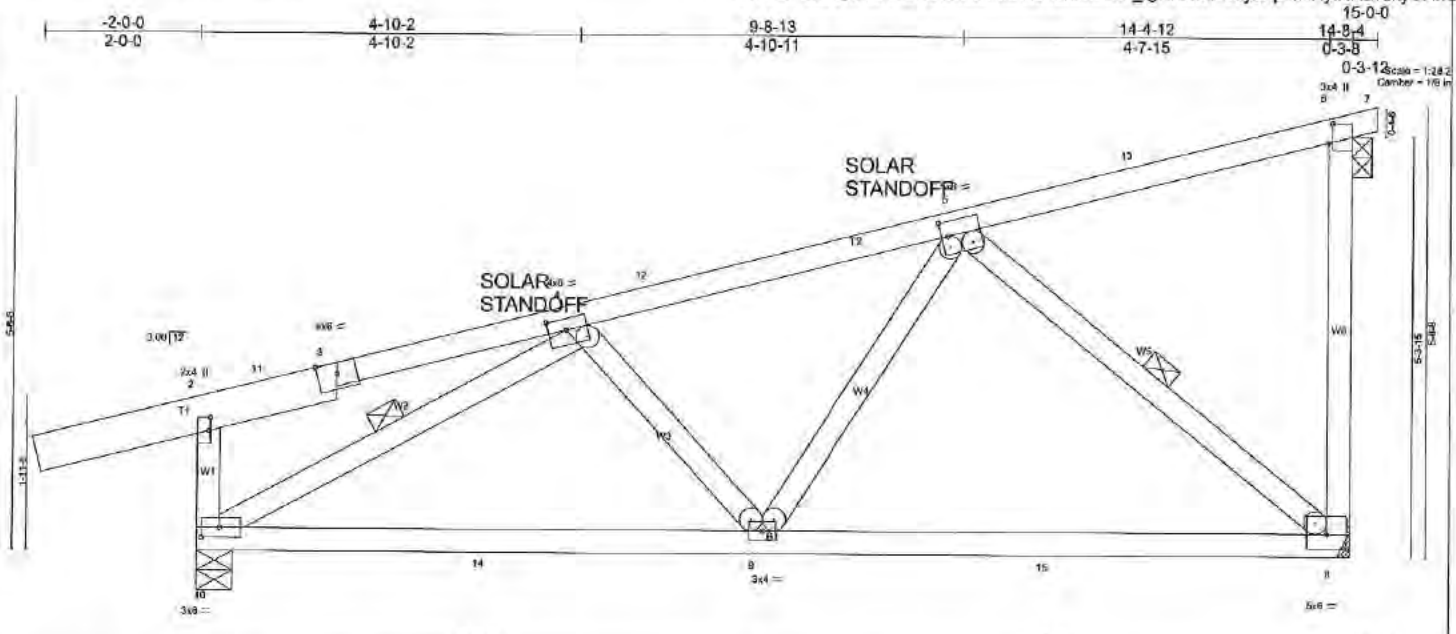

Plate Offsets (X,Y)-- [2:0-2-0,0-0-4], [4:0-2-13,0-1-12], [5:0-0-15,0-2-4], [6:0-2-15,0-0-8], [8:0-3-0,0-2-4], [10:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	1.00	Vert(LL)	-0.25	8-9	>687	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.36	8-9	>478	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.06	8	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 81 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except* T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
6 = 183/0-3-0 (min. 0-1-8)
8 = 487/Mechanical
10 = 823/0-5-8 (min. 0-1-9)
Max Horz
10 = 216(LC 9)
Max Uplift
6 = -48(LC 12)
8 = -53(LC 12)
10 = -140(LC 8)
Max Grav
6 = 199(LC 29)
8 = 1244(LC 28)
10 = 1472(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-12=-1861/65, 5-12=-1675/84, 2-10=-408/165
BOT CHORD
10-14=-190/1831, 9-14=-190/1831, 9-15=-134/1408, 8-15=-134/1408
WEBS
4-9=-309/97, 5-9=0/424, 5-8=-1836/129, 4-10=-2149/76

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 15-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 28, 29, 30, 31 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
28) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 8-10=-16(F)
Concentrated Loads (lb)
Vert: 5=-691(F) 12=-691(F)
29) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 8-10=-16(F)
Concentrated Loads (lb)
Vert: 5=433(F) 12=433(F)
30) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 8-10=-16(F)
Concentrated Loads (lb)
Horz: 5=55(F), 12=55(F)
31) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-
Concentrated Loads (lb)
Horz: 5=-55(F), 12=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AD06	MONOPITCH	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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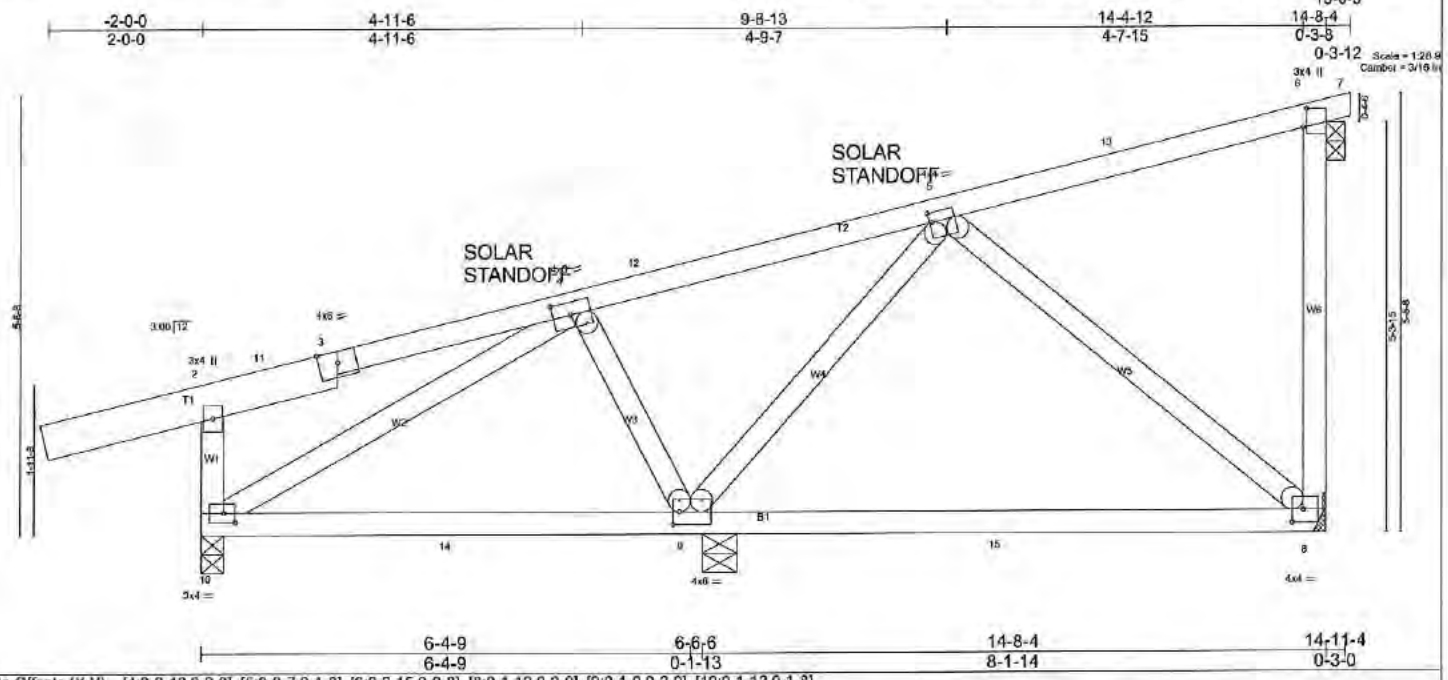


Plate Offsets (X,Y)-- [4:0-2-12,0-2-0], [5:0-0-7,0-1-8], [6:0-2-15,0-0-8], [8:0-1-12,0-2-0], [9:0-1-0,0-2-0], [10:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.32	8-9	>302	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.48	8-9	>203	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.01	8	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 81 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

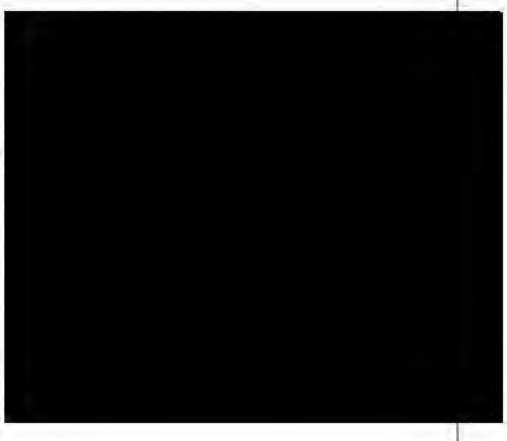
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-3-0 except (jt=length) 8=Mechanical, 9=0-5-8, 10=0-3-8.
(lb) - Max Horz
10= 216(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 6, 8, 9 except 10=-103(LC 8)
Max Grav
All reactions 250 lb or less at joint(s) 6 except 8=467(LC 23), 9=1784(LC 23), 10=470(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
5-12=-74/281, 2-10=-406/167
BOT CHORD
9-15=-119/493, 8-15=-119/493
WEBS
5-9=-1101/106, 5-8=-633/91, 4-9=-895/115, 4-10=-290/68

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 15-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
23) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 8-10=-16(F)
Concentrated Loads (lb)
Vert: 5=-691(F) 12=-691(F)
24) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 8-10=-16(F)
Concentrated Loads (lb)
Vert: 5=433(F) 12=433(F)
25) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 8-10=-16(F)
Concentrated Loads (lb)
Horz: 5=55(F), 12=55(F)
26) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74(F), 2-6=-74(F), 6-7=-74(F), 8-10=-16(F)
Concentrated Loads (lb)
Horz: 5=-55(F), 12=-55(F)



Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Square MMB
M29879 CHESTNUT SQUARE	AD07	MONOPITCH	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:23 2019 Page 1
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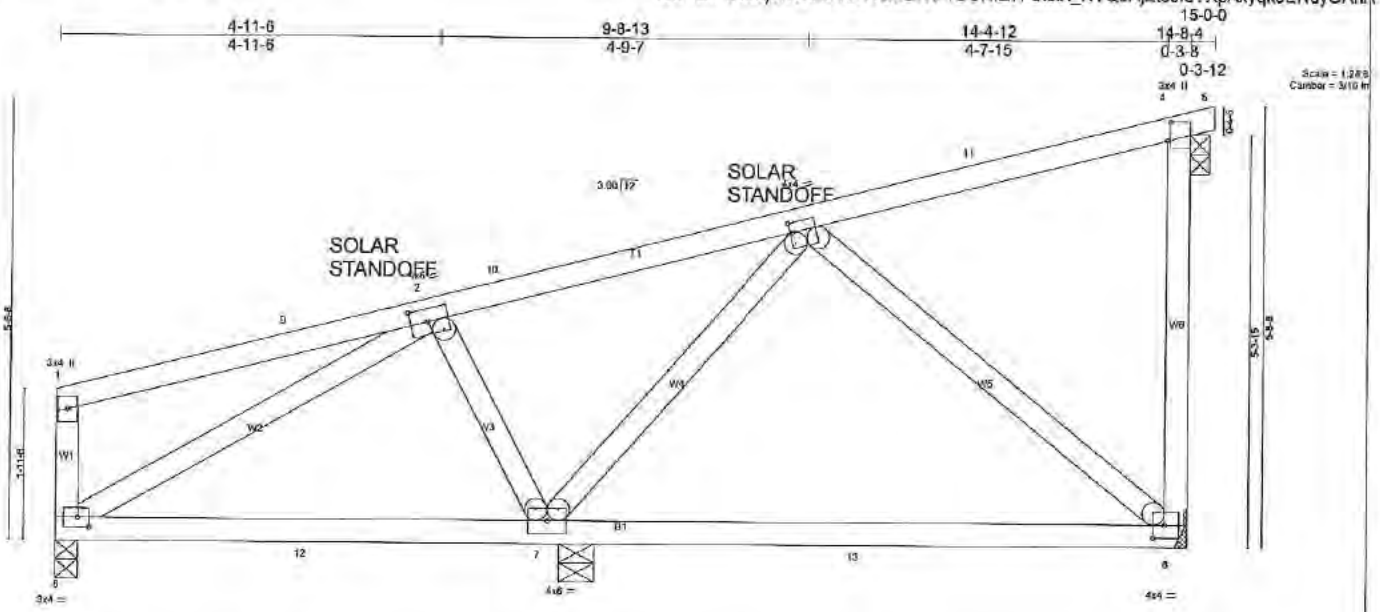

	6-4-9	6-0-6	14-8-4	14-11-4
	6-4-9	0-1-13	8-1-14	0-3-0

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.70	Vert(LL) -0.32 6-7 >302 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.66	Vert(CT) -0.48 6-7 >203 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.57	Horz(CT) 0.01 6 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 75 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-3-0 except (jt=length) 6=Mechanical, 7=0-5-8, 8=0-3-8.
(lb) - Max Horz
8= 205(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 4, 6, 7, 8
Max Grav
All reactions 250 lb or less at joint(s) 4 except 8=467(LC 28), 7=1810(LC 28), 8=379(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
3-10=-76/272
BOT CHORD
7-13=-117/493, 6-13=-117/493
WEBS
3-7=-1089/110, 3-6=-633/88, 2-7=-936/121, 2-8=-259/66

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 15-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 28, 29, 30, 31 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 9-9-12, and 691 lb down and 433 lb up and 55 lb left and 55 lb right at 5-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
28) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-5=-74(F), 6-8=-16(F)
Concentrated Loads (lb)
Vert: 3=-691(F) 10=-691(F)
29) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-5=-74(F), 6-8=-16(F)
Concentrated Loads (lb)
Vert: 3=433(F) 10=433(F)
30) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-5=-74(F), 6-8=-16(F)
Concentrated Loads (lb)
Horz: 3=55(F), 10=55(F)
31) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 4-5=-74(F), 6-8=-16(F)
Concentrated Loads (lb)
Horz: 3=-55(F), 10=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AE01	GABLE	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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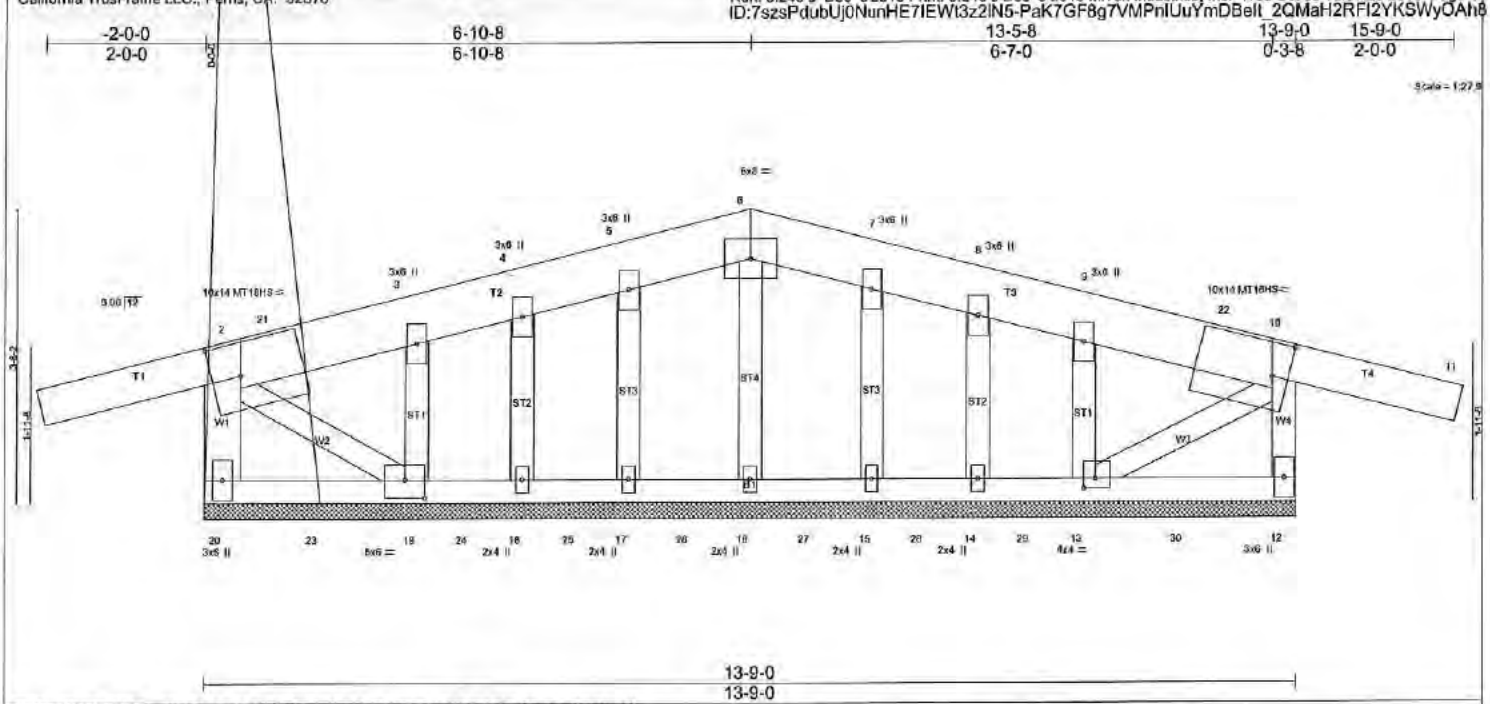

Plate Offsets (X,Y)-- [2:0-4-7,0-5-0], [10:0-2-6,0-5-0], [13:0-1-12,0-1-8], [19:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	0.00	10	n/r	180	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.02	11	n/r	120	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.00	16	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-SH		Wind(LL)	0.01	10-11	n/r	120	Weight: 100 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2,T3: 2x8 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W1: 2x6 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 5-10-11 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 13-9-0.
(lb) - Max Horz
20=-122(LC 32)
Max Uplift
All uplift 100 lb or less at joint(s) 16, 14, 15, 18, 17 except
20=-1600(LC 27), 12=-1468(LC 30), 13=-980(LC 37), 19=-1096(LC 36)
Max Grav
All reactions 250 lb or less at joint(s) except 20=1647(LC 48),
12=1522(LC 47), 16=327(LC 67), 13=1037(LC 48), 14=312(LC 69),
15=328(LC 68), 19=1152(LC 47), 18=313(LC 65), 17=328(LC 66)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-21=-1725/1728, 3-21=-1597/1605, 3-4=-1137/1160, 4-5=-795/830,
5-6=-453/508, 6-7=-341/401, 7-8=-681/727, 8-9=-1034/1062,
9-22=-1481/1494, 10-22=-1654/1659, 2-20=-1657/1622, 10-12=-1503/1610
BOT CHORD
20-23=-414/450, 19-23=-298/334, 19-24=-1153/1165, 18-24=-986/1004,
18-25=-786/837, 17-25=-653/537, 17-26=-486/503, 16-26=-139/311,
15-27=-302/320, 15-28=-469/353, 14-28=-602/653, 14-29=-802/820,
13-29=-969/982, 13-30=-492/510
WEBS
2-19=-1820/1822, 10-13=-1762/1790

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -2-0-11 to 0-11-5, Exterior(2) 0-11-5 to 6-10-8, Corner(3) 6-10-8 to 9-9-0, Exterior(2) 9-9-0 to 15-9-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) A plate rating reduction of 20% has been applied for the green lumber members.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 13-9-0 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AE02	COMMON	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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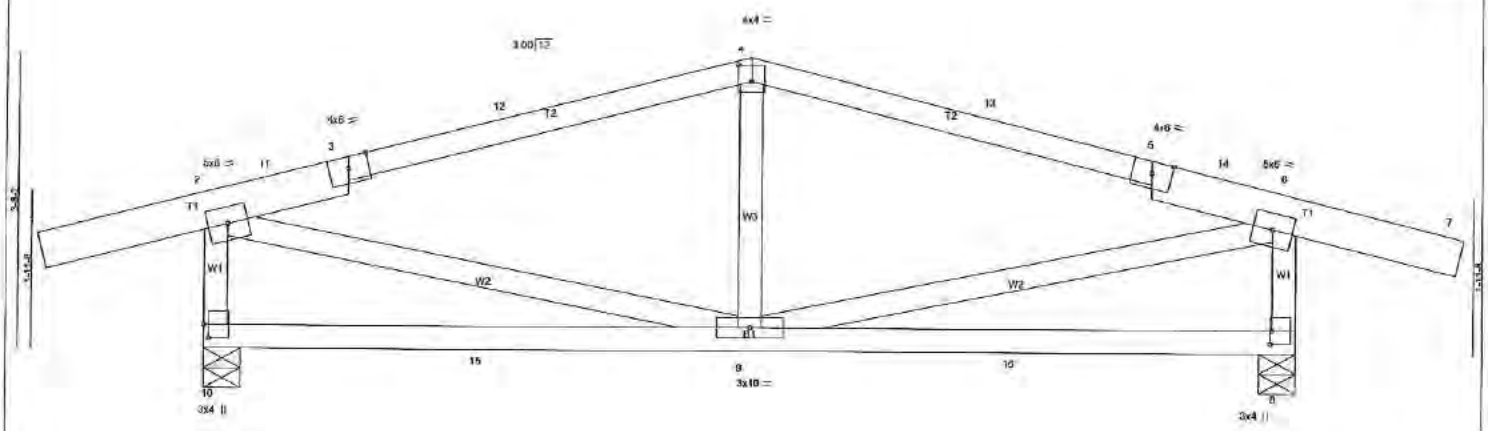
-2-0-0	6-10-8	13-5-8	13-9-0	15-9-0
2-0-0	6-10-8	6-7-0	0-3-8	2-0-0

Scale = 1:27.9
Camber = 1/16 in



6-10-8	13-9-0
6-10-8	6-10-8

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.74	Vert(LL)	-0.18	9-10	>884	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.46	Vert(CT)	-0.25	9-10	>646	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.20	Horz(CT)	0.00	8	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 76 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
10 = 769/0-5-8 (min. 0-1-8)
8 = 769/0-5-8 (min. 0-1-8)
Max Horz
10 = -26(LC 10)
Max Uplift
10 = -127(LC 8)
8 = -127(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-11=-708/59, 3-11=-691/60, 3-12=-629/62, 4-12=-626/83, 4-13=-626/83,
5-13=-629/62, 5-14=-691/60, 6-14=-708/59, 2-10=-719/198, 6-8=-719/198
WEBS
2-9=-35/545, 6-9=-37/545

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 6-10-8, Exterior(2) 6-10-8 to 9-10-8, Interior(1) 9-10-8 to 15-9-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AE03	COMMON	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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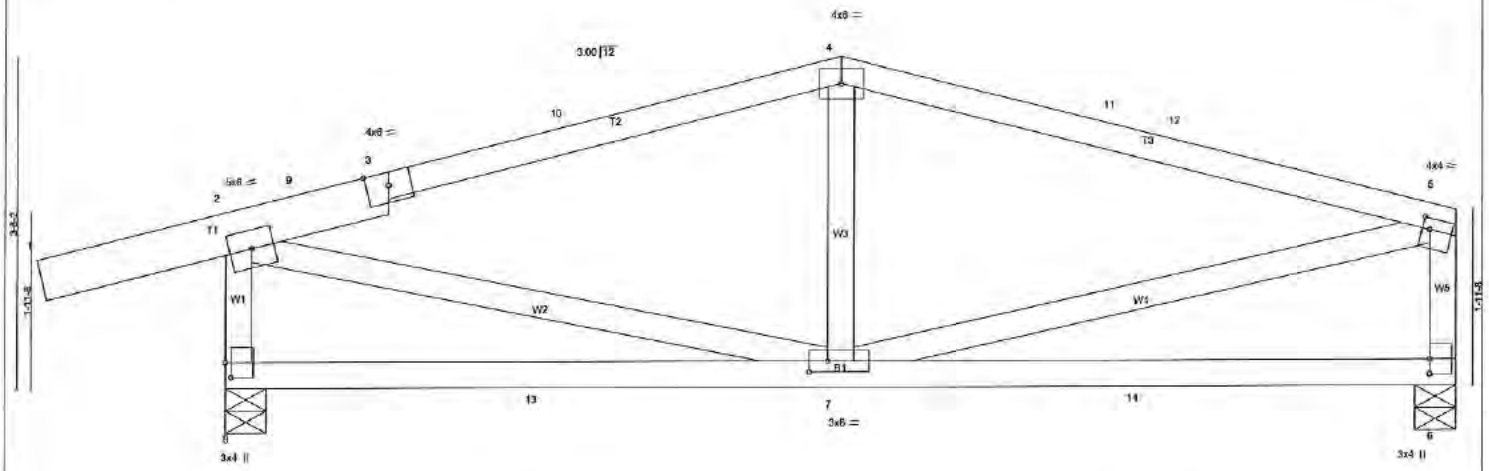
-2-0-0 6-10-8 13-5-8 13-9-0
2-0-0 6-10-8 6-7-0 0-3-8

Scale = 1:24.7
Camber = 1/16 in



6-10-8 13-9-0
6-10-8 6-10-8

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.71	Vert(LL) -0.18 6-7 >881 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.46	Vert(CT) -0.25 6-7 >636 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.22	Horz(CT) 0.00 6 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 70 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
8 = 782/0-5-8 (min. 0-1-8)
6 = 592/0-5-8 (min. 0-1-8)
Max Horz
8 = 48(LC 11)
Max Uplift
8 = -126(LC 8)
6 = -52(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-9=-743/75, 3-9=-726/76, 3-10=-664/87, 4-10=-662/99, 4-11=-656/104, 11-12=-662/89, 5-12=-723/88, 2-8=-732/198, 5-6=-542/111
WEBS
2-7=-39/567, 5-7=-53/563

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 6-10-8, Exterior(2) 6-10-8 to 9-10-8, Interior(1) 9-10-8 to 13-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

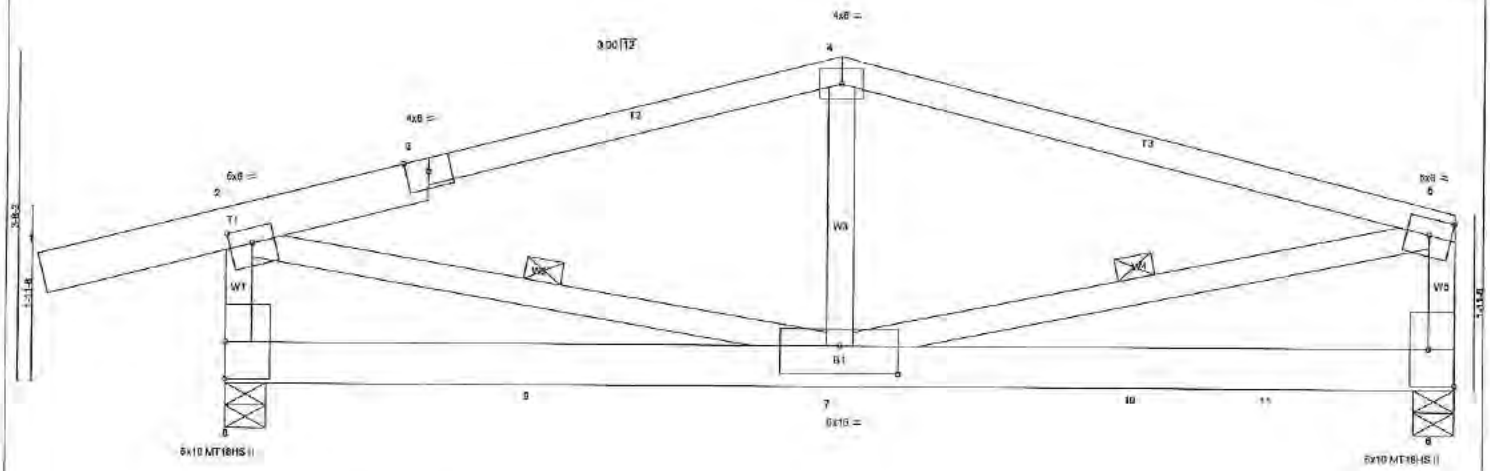
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AE04	COMMON GIRDER	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:29 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-ILZe6cBABjsrFvofncH7p82aW2Y5Du2rCgWYbHyOAh4

-2-0-0 / 2-0-0 | 6-10-8 / 6-10-8 | 13-5-8 / 6-7-0 | 13-9-0 / 0-3-8

Scale = 1:24.5
Camber = 1/8 in



6-10-8 / 6-10-8 | 13-9-0 / 6-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	-0.06	6-7	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.19	6-7	>861	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.02	6	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 80 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W2,W4: 2x4 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
8 = 1621/0-5-8 (min. 0-1-15)
6 = 1431/0-5-8 (min. 0-1-14)
Max Horz
8 = 223(LC 22)
Max Uplift
8 = -1037(LC 19)
6 = -941(LC 22)
Max Grav
8 = 1836(LC 38)
6 = 1770(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-2921/1853, 3-4=-2366/1330, 4-5=-2903/1838, 2-8=-1486/1030, 5-6=-1413/927
BOT CHORD
8-9=-221/279, 7-9=-221/279, 7-10=-3190/3274, 10-11=-3190/3274, 6-11=-3070/3274
WEBS
4-7=-15/624, 2-7=-1792/2792, 5-7=-1754/2723

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 11-9-0 to 13-9-0 for 1718.7 plf.
10) Girder carries tie-in span(s): 8-0-0 from 0-0-0 to 13-9-0
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-4=-74, 4-5=-74, 6-8=-141(F=-125)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF01	GABLE	6	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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-1-2-14 | 2-9-12 | 6-9-0 | 10-8-4 | 13-2-8 | 13-6-0 14-8-14
1-2-14 | 2-9-12 | 3-11-4 | 3-11-4 | 2-6-4 | 0-3-8 1-2-14

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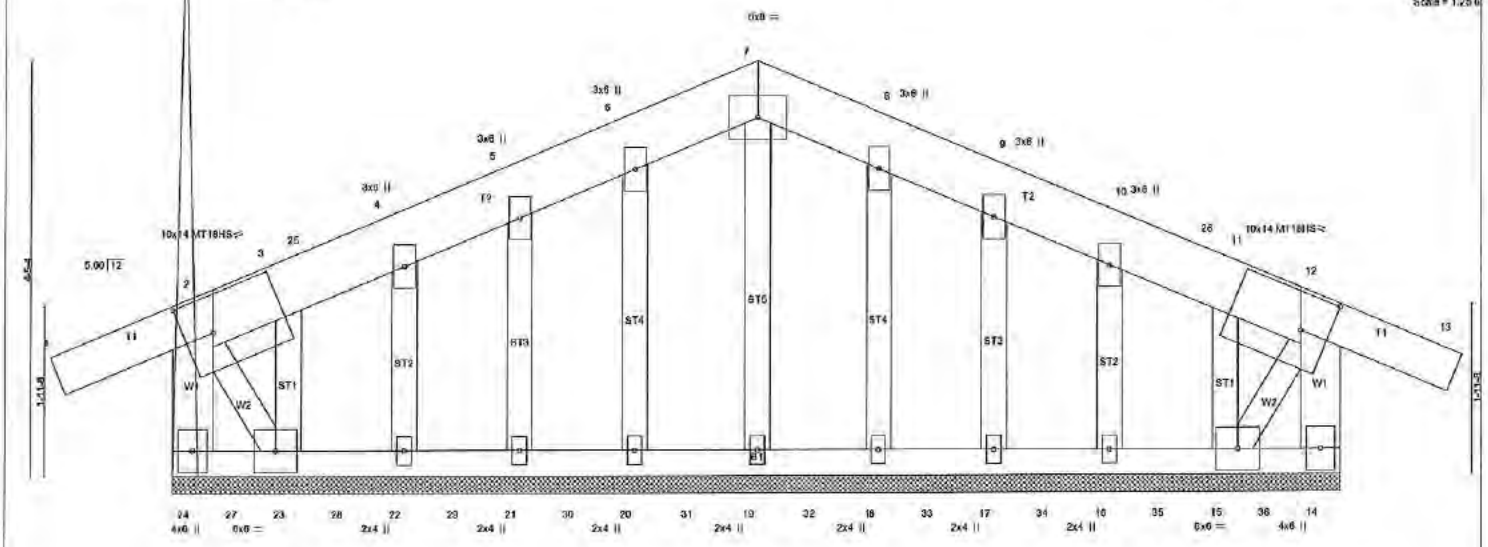


2-8-0 | 10-10-0 | 13-6-0
2-8-0 | 8-2-0 | 2-8-0

Plate Offsets (X,Y)-- [2:0-3-14,0-5-0], [3:0-1-14,0-0-0], [11:0-1-14,0-0-0], [12:0-3-14,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	0.00	12	n/r	180	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.01	13	n/r	120	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.01	19	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-SH		Wind(LL)	0.01	12-13	n/r	120	Weight: 108 lb	FT = 20%

LUMBER-
TOP CHORD 2x8 DF No.2 G *Except*
T2: 2x8 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x6 DF No.2 G *Except*
W2: 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 5-3-13 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 13-6-0.
(lb) - Max Horz
24=-167(LC 32)
Max Uplift
All uplift 100 lb or less at joint(s) 16, 17, 18, 22, 21, 20 except
24=-2883(LC 27), 14=-2923(LC 30), 15=-2244(LC 37), 23=-2197(LC 36)
Max Grav
All reactions 250 lb or less at joint(s) except 24=2927(LC 48),
14=2989(LC 47), 19=319(LC 70), 15=2245(LC 48), 16=308(LC 73),
17=318(LC 72), 18=321(LC 71), 23=2204(LC 31), 22=308(LC 67), 21=318(LC 68), 20=321(LC 69)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1718/1720, 3-25=-1486/1505, 4-25=-1390/1415, 4-5=-1094/1137,
5-6=-739/807, 6-7=-391/444, 7-8=-425/487, 8-9=-776/830,
9-10=-1130/1200, 10-26=-1427/1469, 11-26=-1523/1559, 11-12=-1755/1782,
2-24=-2878/2846, 12-14=-2938/3010
BOT CHORD
24-27=-658/700, 23-27=-520/562, 23-28=-1411/1428, 22-28=-1244/1261,
22-29=-1044/1095, 21-29=-911/928, 21-30=-744/761, 20-30=-444/595,
20-31=-411/428, 18-32=-330/347, 18-33=-363/514, 17-33=-663/680,
17-34=-830/847, 16-34=-963/1014, 16-35=-1163/1181, 15-35=-1330/1347,
15-36=-397/406, 14-36=-535/544
WEBS
2-23=-2441/2449, 12-15=-2396/2452

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-3-15 to 1-8-1, Exterior(2) 1-8-1 to 6-9-0, Corner(3) 6-9-0 to 9-6-0, Exterior(2) 9-6-0 to 14-9-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) A plate rating reduction of 20% has been applied for the green lumber members.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 13-6-0 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

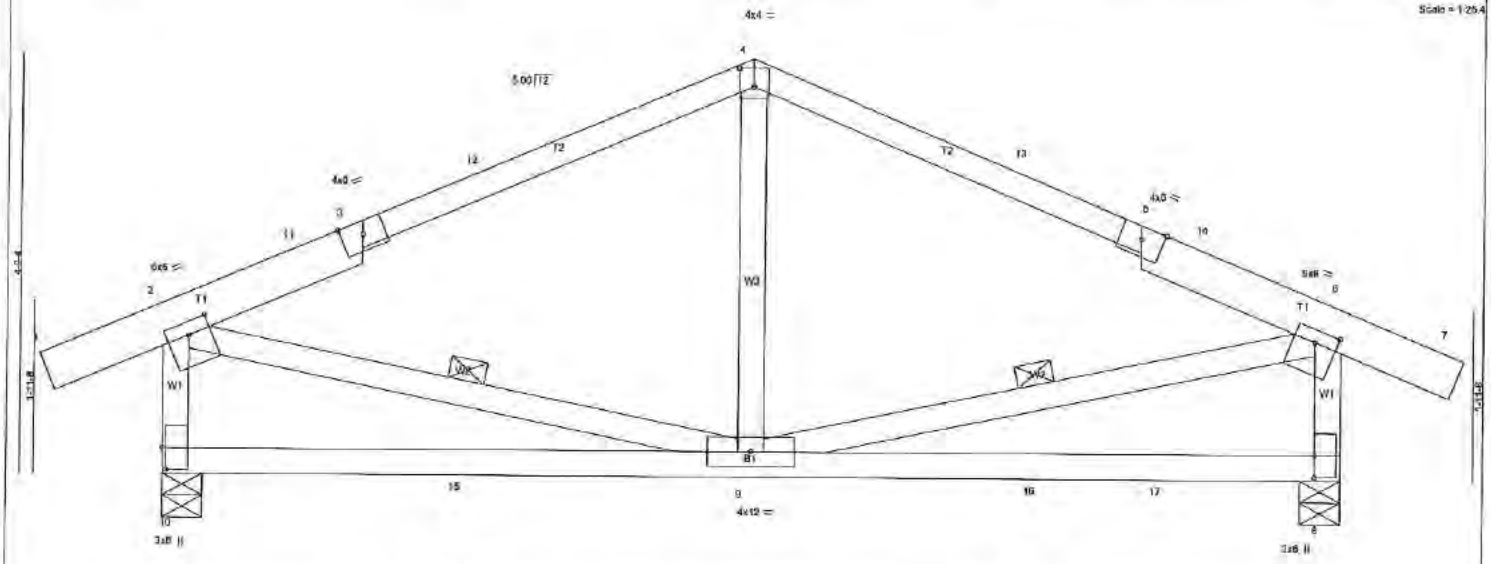
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF02	COMMON	12	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:32 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-iwFmkeE3UeEQ6MWESkrqRng6BFeaQBbHvelCCcyOAh1

-1-2-14 1-2-14 | 6-9-0 6-9-0 | 13-2-8 6-5-8 | 13-6-0 14-8-14 0-3-8 1-2-14

Scale = 1:25.4



6-9-0 6-9-0 | 13-6-0 6-9-0

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.89	Vert(LL)	-0.17	9-10	>924	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.60	Vert(CT)	-0.23	9-10	>698	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.73	Horz(CT)	0.03	8	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 75 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-11-3 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-5-13 oc bracing.
WEBS
1 Row at midpt 2-9, 6-9

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
10 = 703/0-5-8 (min. 0-1-12)
8 = 703/0-5-8 (min. 0-1-11)
Max Horz
10 = 223(LC 34)
Max Uplift
10 = -1193(LC 35)
8 = -1193(LC 38)
Max Grav
10 = 1512(LC 48)
8 = 1512(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-11=-2249/1851, 3-11=-1808/1442, 3-12=-1433/1257, 4-12=-1132/811, 4-13=-1104/865, 5-13=-1525/1291, 5-14=-1805/1454, 6-14=-2247/1863, 2-10=-1577/1218, 6-8=-1552/1296
BOT CHORD
10-15=-258/356, 9-15=-258/356, 9-16=-3150/3229, 16-17=-3150/3229, 8-17=-1135/3229
WEBS
2-9=-1689/1909, 6-9=-1650/1919

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-15 to 1-8-1, Interior(1) 1-8-1 to 6-9-0, Exterior(2) 6-9-0 to 9-9-0, Interior(1) 9-9-0 to 14-9-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 11-6-0 to 13-6-0 for 1687.5 plf.

[redacted]

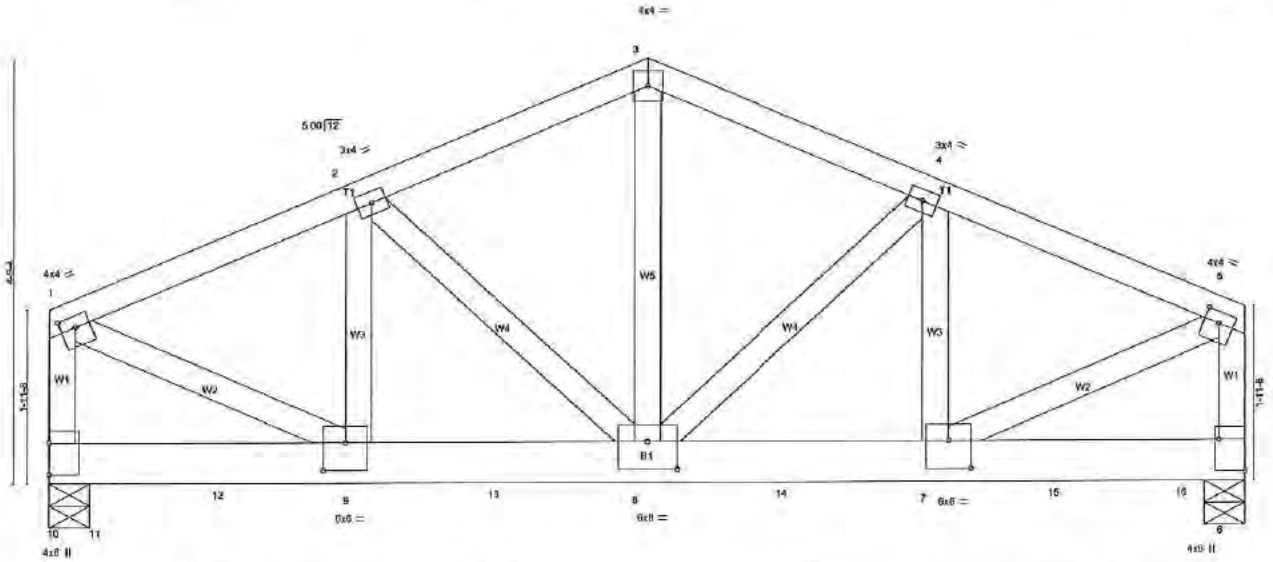
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF03	COMMON GIRDER	4	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:34 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-fINX9KFJ0GV8Mggda9tlWCIYT3Ndu4FaMyEJGUyOAh?

3-5-13 | 6-9-0 | 10-0-3 | 13-2-8 | 13-6-0
3-5-13 | 3-3-3 | 3-3-3 | 3-2-5 | 0-3-8

Scale = 1:25.0



3-5-13 | 6-9-0 | 10-0-3 | 13-6-0
3-5-13 | 3-3-3 | 3-3-3 | 3-5-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.03	8-9	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.09	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.02	6	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 170 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

REACTIONS. (lb/size)
10 = 3932/0-5-8 (min. 0-2-4)
6 = 3932/0-5-8 (min. 0-2-4)
Max Horz
10 = -218(LC 29)
Max Uplift
10 = -1403(LC 27)
6 = -1403(LC 30)
Max Grav
10 = 4168(LC 26)
6 = 4168(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-4186/1591, 2-3=-3535/1152, 3-4=-3535/1154, 4-5=-4174/1580,
1-10=-3468/1338, 5-6=-3464/1334
BOT CHORD
10-11=-998/1091, 11-12=-2837/2832, 9-12=-3325/3418, 9-13=-2387/4762,
8-13=-2387/4762, 8-14=-1441/3832, 7-14=-1441/3832
WEBS
3-8=-182/2490, 4-8=-954/714, 4-7=-619/898, 2-8=-935/695, 2-9=-602/881,
1-9=-1559/4117, 5-7=-1561/4119

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0 for 1687.5 plf.
11) Girder carries tie-in span(s): 24-11-0 from 0-0-0 to 13-6-0

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-74, 3-5=-74, 6-10=-521(F=-505)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF04	COMMON	13	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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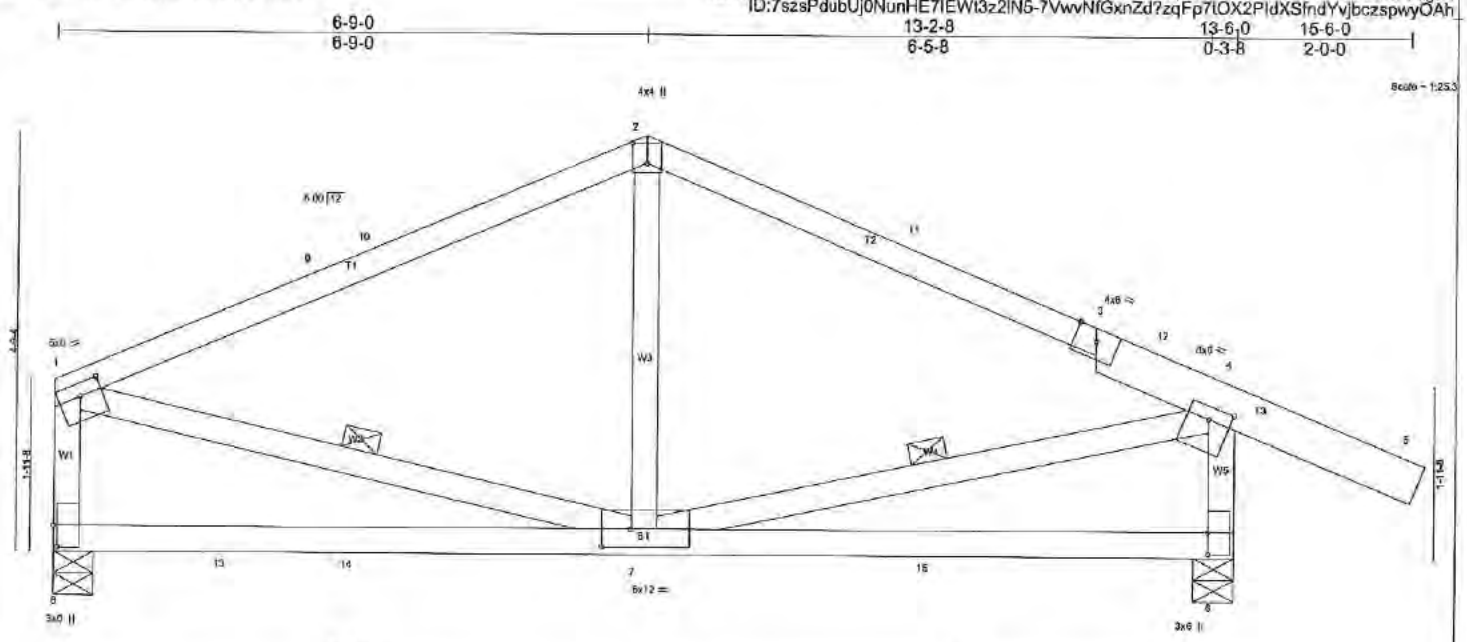

Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [2:0-2-12,0-2-0], [4:0-3-0,0-1-12], [6:0-3-0,0-0-0], [7:0-4-0,0-2-8], [8:0-3-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	-0.17	7-8	>921	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.23	6-7	>685	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.03	6	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 72 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-4-15 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-4-11 oc bracing.
WEBS
1 Row at midpt 1-7, 4-7

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
8 = 580/0-5-8 (min. 0-1-10)
6 = 774/0-5-8 (min. 0-1-12)
Max Horz
8 = -246(LC 27)
Max Uplift
8 = -1154(LC 35)
6 = -1209(LC 38)
Max Grav
8 = 1438(LC 48)
6 = 1549(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-9=-2223/1820, 9-10=-1280/974, 2-10=-1200/835, 2-11=-1143/812,
3-11=-1727/1471, 3-12=-2032/1603, 4-12=-2256/1859, 1-8=-1484/1175,
4-6=-1586/1337
BOT CHORD
8-13=-1290/3422, 13-14=-3304/3422, 7-14=-3304/3422
WEBS
1-7=-1665/1914, 4-7=-1715/1992

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-9-0, Exterior(2) 6-9-0 to 9-9-0, Interior(1) 9-9-0 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0 for 1687.5 plf.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF05	COMMON	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:36 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-bhUHa?HZYtlsb_q?havmbdqqgs?2M?5tqGjQKNyOAgz

6-9-0 13-2-8 13-6-0
6-9-0 6-5-8 0-3-8

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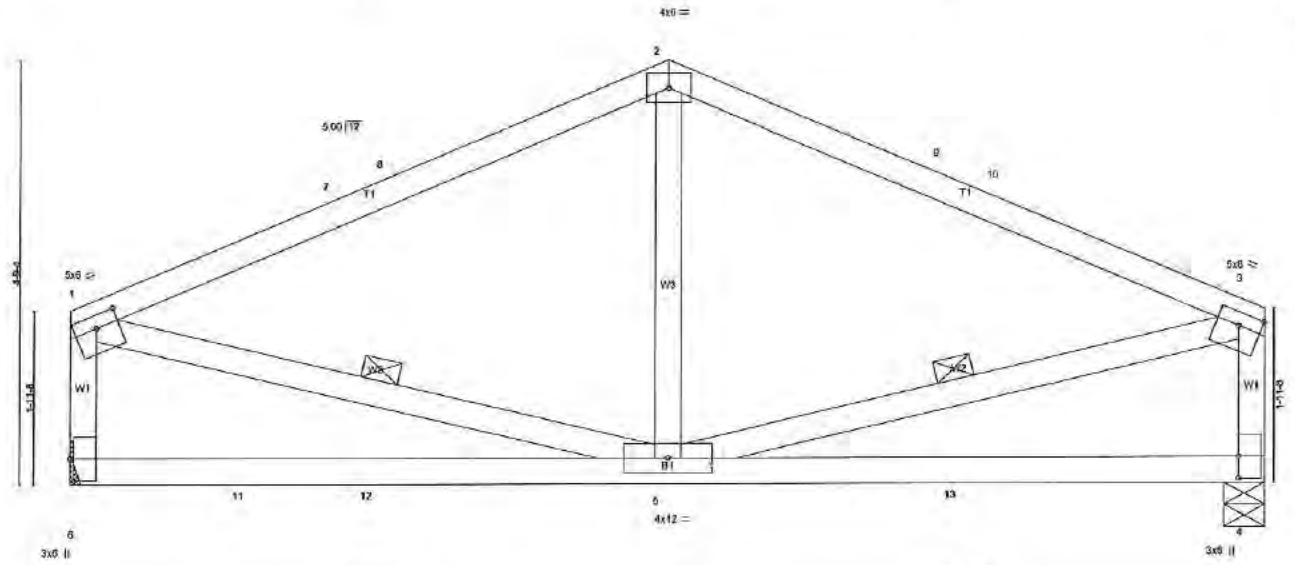

6-9-0 13-6-0
6-9-0 6-9-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.17	5-6	>920	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.23	5-6	>678	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.03	4	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 86 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-4-2 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-4-6 oc bracing.
WEBS
1 Row at midpt 1-5, 3-5

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
6 = 594/Mechanical
4 = 594/0-5-8 (min. 0-1-11)
Max Horz
6 = 227(LC 30)
Max Uplift
6 = -1155(LC 35)
4 = -1155(LC 38)
Max Grav
6 = 1447(LC 48)
4 = 1447(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-2236/1842, 7-8=-1299/970, 2-8=-1213/836, 2-9=-1215/902,
9-10=-1320/1062, 3-10=-2238/1855, 1-6=-1492/1185, 3-4=-1508/1228
BOT CHORD
6-11=-1339/3413, 11-12=-3353/3413, 5-12=-3353/3413
WEBS
1-5=-1668/1928, 3-5=-1714/1999

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-9-0, Exterior(2) 6-9-0 to 9-9-0, Interior(1) 9-9-0 to 13-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0 for 1687.5 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF06	COMMON	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:37 2019 Page 1
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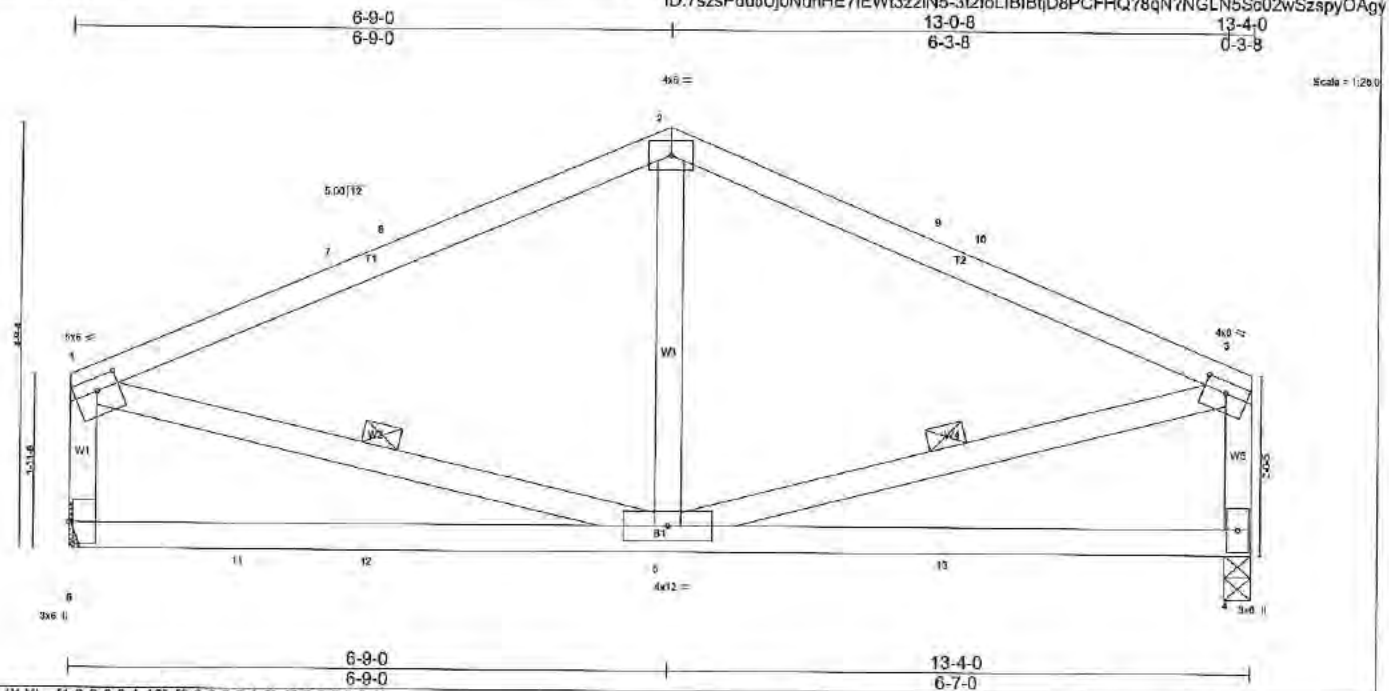

Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [3:0-3-0,0-1-8], [6:0-3-0,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.73	Vert(LL)	-0.17	5-6	>913	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.83	Vert(CT)	-0.23	5-6	>669	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.75	Horz(CT)	0.03	4	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 65 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-4-11 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-4-11 oc bracing.
WEBS
1 Row at midpt 1-5, 3-5

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
6 = 587/Mechanical
4 = 587/0-3-8 (min. 0-1-10)
Max Horz
6 = 227(LC 34)
Max Uplift
6 = -1164(LC 35)
4 = -1146(LC 38)
Max Grav
6 = 1451(LC 48)
4 = 1434(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-2238/1855, 7-8=-1299/974, 2-8=-1216/849, 2-9=-1192/888,
9-10=-1279/1004, 3-10=-2168/1797, 1-6=-1494/1193, 3-4=-1496/1220
BOT CHORD
6-11=-1325/3375, 11-12=-3315/3375, 5-12=-3315/3375
WEBS
1-5=-1679/1930, 3-5=-1670/1954

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-9-0, Exterior(2) 6-9-0 to 9-9-0, Interior(1) 9-9-0 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0 for 1666.7 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF06B	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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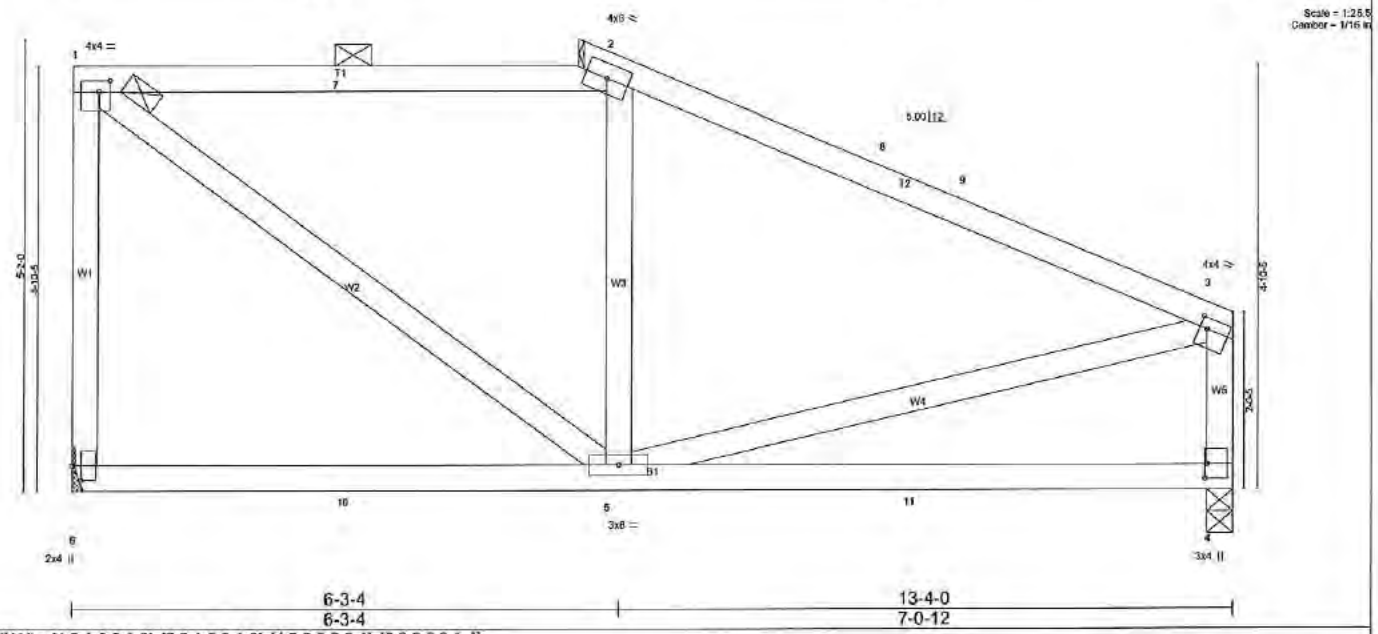

Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [3:0-1-0,0-1-8], [4:0-2-0,0-0-4], [6:0-2-0,0-1-4]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.93	Vert(LL)	-0.20	4-5	>798	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.53	Vert(CT)	-0.28	4-5	>562	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.26	Horz(CT)	0.00	4	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 70 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-7-8 oc purlins, except end verticals, and 0-0-0 oc purlins (4-10-14 max.): 1-2. Except:
4-11-0 oc bracing: 1-2
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
6 = 760/Mechanical
4 = 640/0-3-8 (min. 0-1-8)
Max Horz
6 = -174(LC 10)
Max Uplift
6 = -144(LC 8)
4 = -59(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-6=-716/211, 1-7=-554/151, 2-7=-549/152, 2-8=-578/137, 8-9=-595/111, 3-9=-689/110, 3-4=-587/133
WEBS
1-5=-173/640, 2-5=-385/170, 3-5=-45/477

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-3-4, Exterior(2) 6-3-4 to 9-3-4, Interior(1) 9-3-4 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Girder carries tie-in spans of 4-0-0 from front girder and 2-0-0 from back girder.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-111(B=-37), 2-3=-74, 4-6=-16

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF06C	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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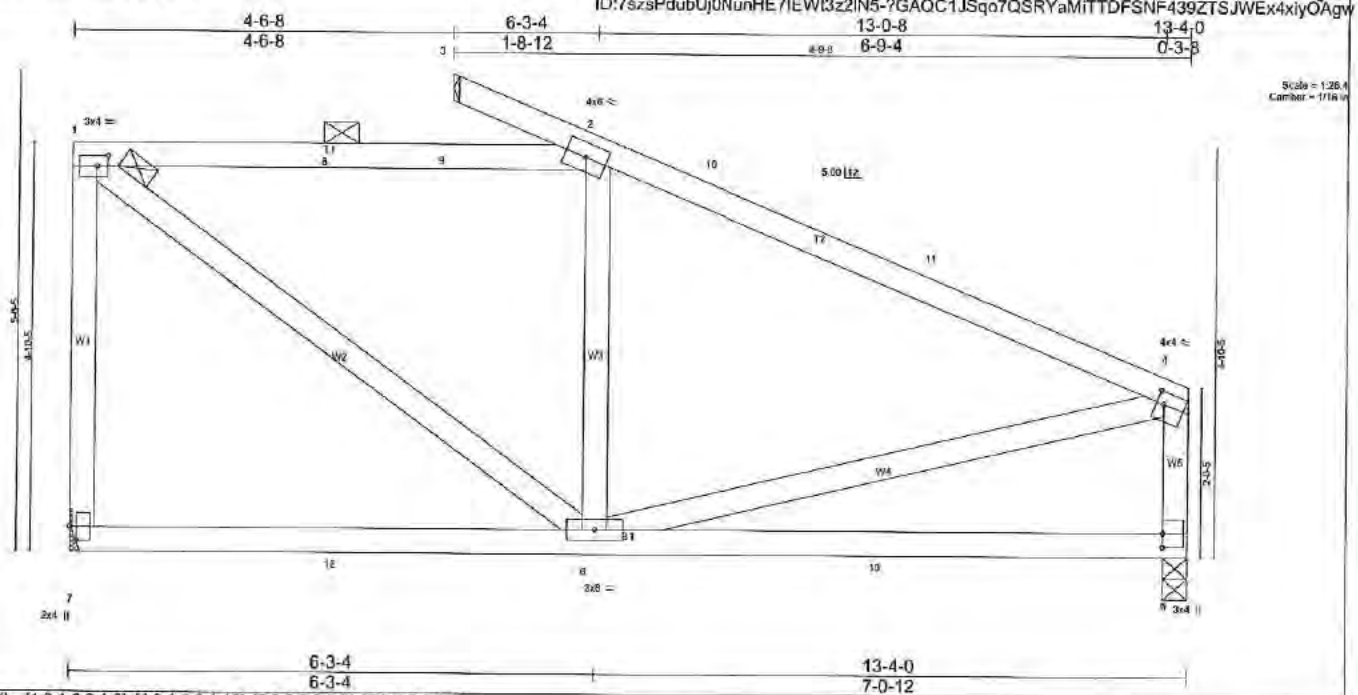

Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [4:0-1-0,0-1-12], [5:0-2-0,0-0-0], [7:0-2-0,0-1-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.58	Vert(LL) -0.19 5-6 >805 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.48	Vert(CT) -0.28 5-6 >566 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.28	Horz(CT) 0.00 5 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 72 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 1-2. Except:
6-0-0 oc bracing: 1-2
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
7 = 622/Mechanical
5 = 611/0-3-8 (min. 0-1-8)
Max Horz
7 = -199(LC 8)
Max Uplift
7 = -110(LC 8)
5 = -40(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-579/236, 1-8=-525/307, 8-9=-522/307, 2-9=-520/308, 2-10=-480/194, 10-11=-568/185, 4-11=-655/163, 4-5=-559/155
WEBS
1-6=-275/625, 2-6=-369/267, 4-6=-124/440

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-3-4, Exterior(2) 4-6-8 to 7-6-8, Interior(1) 7-6-8 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07A	Flat	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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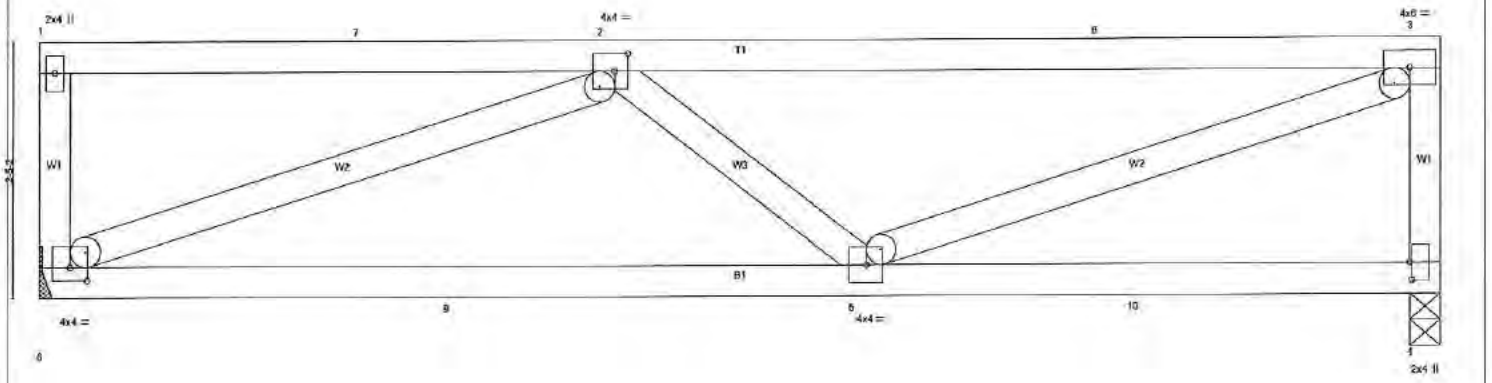
5-5-10 | 7-6-14 | 0-3-8

Scale = 1:21.1
Camber = 3/16 in



7-10-6 | 13-4-0
7-10-6 | 5-5-10

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	-0.26	5-6	>592	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.43	5-6	>366	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.02	4	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 60 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-1-3 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = 75(LC 9)
Max Uplift
4 = -77(LC 9)
6 = -77(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-8=-839/65, 3-8=-839/65, 3-4=-550/94
BOT CHORD
6-9=-200/1011, 5-9=-200/1011
WEBS
2-6=-1046/198, 2-5=-267/148, 3-5=-57/853

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

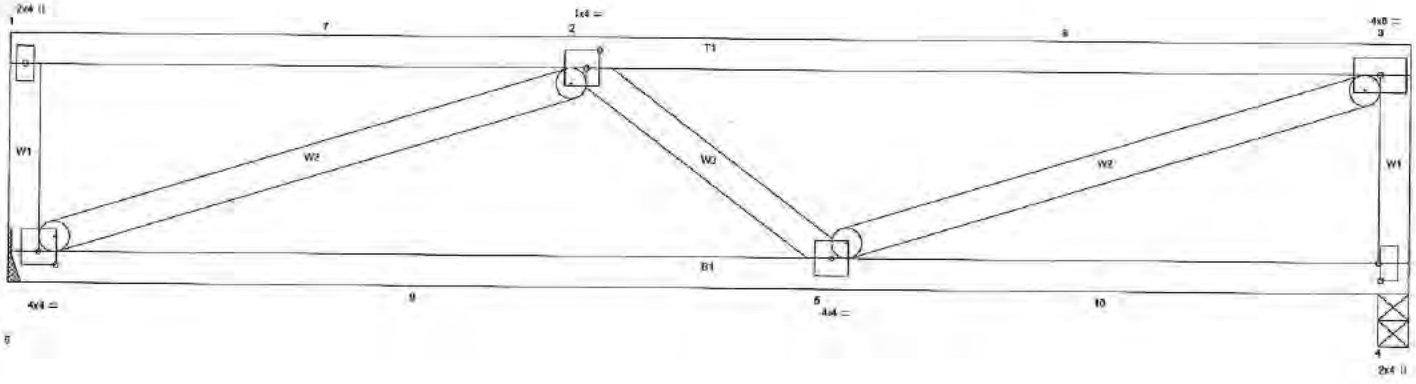
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07B	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:41 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-xflAdjLIMPN8hlizU7VxlgYgMtlS1IJczYQB?ayOAgu

5-5-14
5-5-14
13-0-8
7-6-10
13-4-0
0-3-8

Scale = 1:21.1
Camber = 3/16 in



7-10-2
7-10-2
13-4-0
5-5-14

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.79	Vert(LL) -0.26 5-6 >596 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.43 5-6 >367 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.64	Horz(CT) 0.02 4 n/a n/a	Weight: 60 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = -72(LC 8)
Max Uplift
4 = -77(LC 9)
6 = -77(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-8=-865/68, 3-8=-865/68, 3-4=-549/94
BOT CHORD
6-9=-204/1041, 5-9=-204/1041
WEBS
2-6=-1071/201, 2-5=-270/149, 3-5=-58/875

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

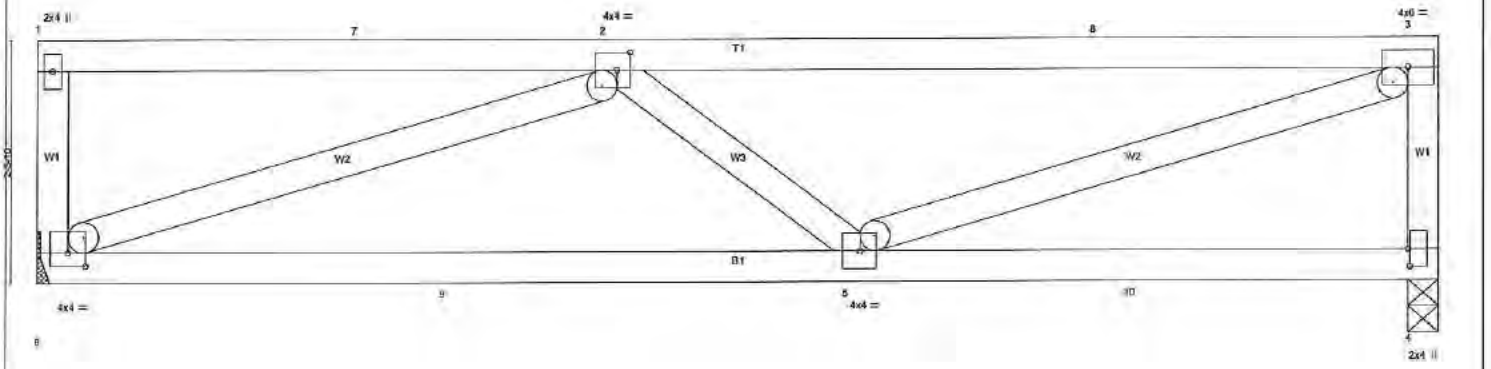
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07C	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:41 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-xfIAdjLIMPN8hlizU7VxlgYgOtiR1H3czYQB?ayOAgu

5-6-2 | 13-0-8 | 13-4-0
5-6-2 | 7-6-6 | 0-3-8

Scale = 1:21.1
Camber = 3/16 in



7-9-15 | 13-4-0
7-9-15 | 5-6-1

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	-0.26	5-6	>599	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.43	5-6	>368	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.02	4	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 59 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = -70(LC 10)
Max Uplift
4 = -77(LC 9)
6 = -77(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-8=-893/70, 3-8=-893/70, 3-4=-548/93
BOT CHORD
6-9=-207/1073, 5-9=-207/1073
WEBS
2-6=-1098/204, 2-5=-272/150, 3-5=-60/899

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

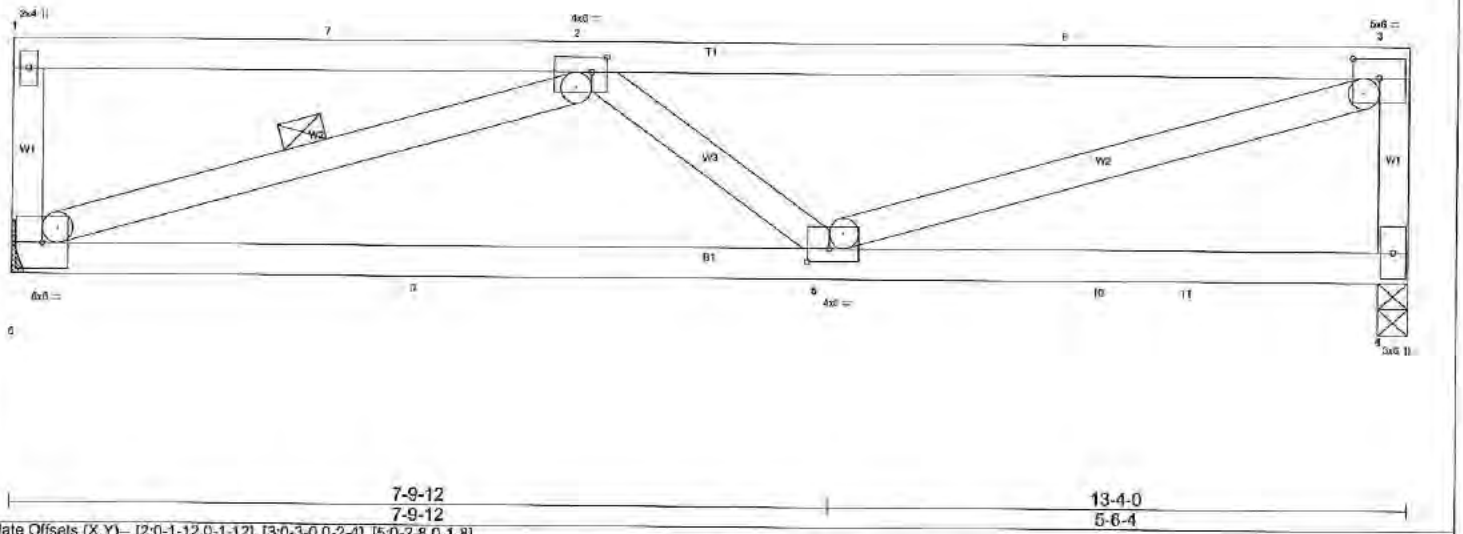
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07D	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:42 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-QrsYr3LK7jV?JvH92r0Aru4rGH2fmhtlCCAkX1yOAgt

5-6-4 / 5-6-4 — 13-0-8 / 7-6-4 — 13-4-0 / 0-3-8

Scale = 1:21.1
Camber = 3/16 in



7-9-12 / 7-9-12 — 13-4-0 / 5-6-4

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL) -0.26 5-6 >602 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.43 5-6 >368 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.05 4 n/a n/a	Weight: 59 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-9-7 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-5-12 oc bracing.
WEBS
1 Row at midpt 2-6

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = 238(LC 30)
Max Uplift
4 = -563(LC 30)
6 = -563(LC 27)
Max Grav
4 = 813(LC 47)
6 = 813(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-546/503, 2-7=-1402/1360, 2-8=-1204/596, 3-8=-1983/1420,
3-4=-859/578
BOT CHORD
6-9=-1383/1971, 5-9=-1383/1971, 5-10=-3117/3162, 10-11=-3117/3162,
4-11=-922/3162
WEBS
2-6=-2146/1625, 2-5=-904/900, 3-5=-1476/2045

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 11-4-0 to 13-4-0 for 1666.7 plf.

[redacted]

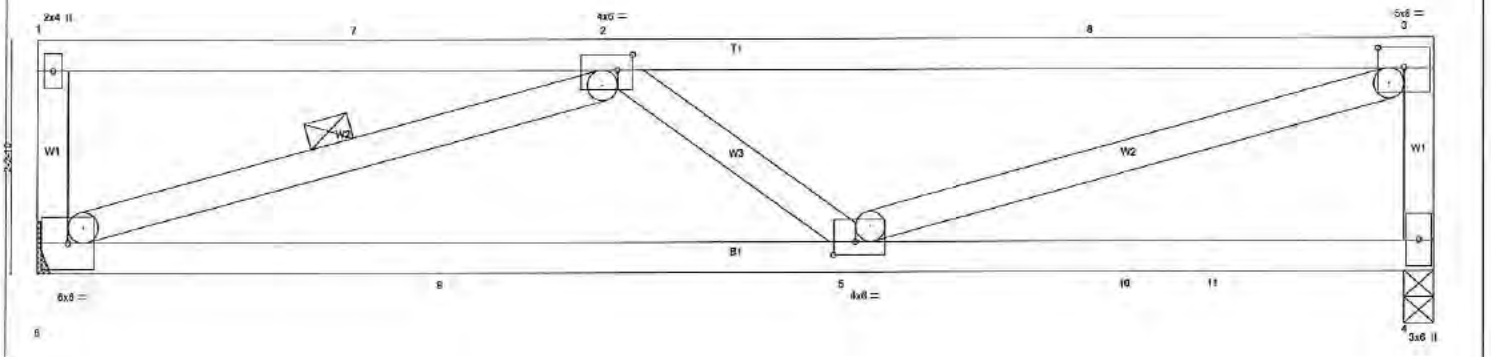
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07E	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:43 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-u1Pw2OMyu1dsx3sLbYXPN5d01hOuV87vRsvH4TyOAgs

5-6-5 / 5-6-5 | 13-0-8 / 7-6-3 | 13-4-0 / 0-3-8

Scale = 1:21.1
Camber = 3/16 in



7-9-10 / 7-9-10 | 13-4-0 / 5-6-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL) -0.26 5-6 >603 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.43 5-6 >368 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.05 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 59 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-5-12 oc bracing.
WEBS
1 Row at midpt 2-6

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = -237(LC 31)
Max Uplift
4 = -558(LC 30)
6 = -558(LC 27)
Max Grav
4 = 808(LC 47)
6 = 808(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-549/505, 2-7=-1404/1361, 2-8=-1208/599, 3-8=-1992/1423,
3-4=-853/570
BOT CHORD
6-9=-1386/1980, 5-9=-1386/1980, 5-10=-3117/3162, 10-11=-3117/3162,
4-11=-923/3162
WEBS
2-6=-2153/1626, 2-5=-898/895, 3-5=-1476/2050

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 11-4-0 to 13-4-0 for 1666.7 plf.

LOAD CASE(S)
Standard

[redacted]

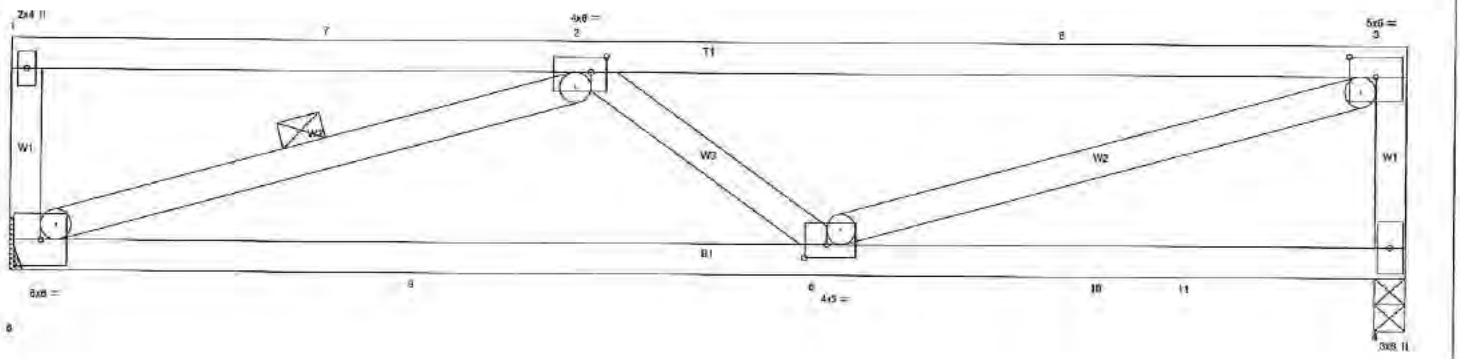
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07F	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:44 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-MDzJGkNafKljYCRY9G2swJABo5k6EbO2fWfrcvyOAgr

5-6-7 / 5-6-7 — 13-0-8 / 7-6-1 — 13-4-0 / 0-3-8

Scale = 1:21.1
Camber = 3/16 in



7-9-10 / 7-9-10 — 13-4-0 / 5-6-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.26	5-6	>603	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.43	5-6	>368	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.05	4	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 59 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-5-12 oc bracing.
WEBS
1 Row at midpt 2-6

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = 237(LC 34)
Max Uplift
4 = -555(LC 30)
6 = -555(LC 27)
Max Grav
4 = 805(LC 47)
6 = 805(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-551/507, 2-7=-1405/1362, 2-8=-1210/600, 3-8=-1996/1424,
3-4=-851/568
BOT CHORD
6-9=-1388/1985, 5-9=-1388/1985, 5-10=-3116/3162, 10-11=-3116/3162,
4-11=-923/3162
WEBS
2-6=-2157/1627, 2-5=-896/892, 3-5=-1476/2052

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 11-4-0 to 13-4-0 for 1668.7 plf.

[redacted]

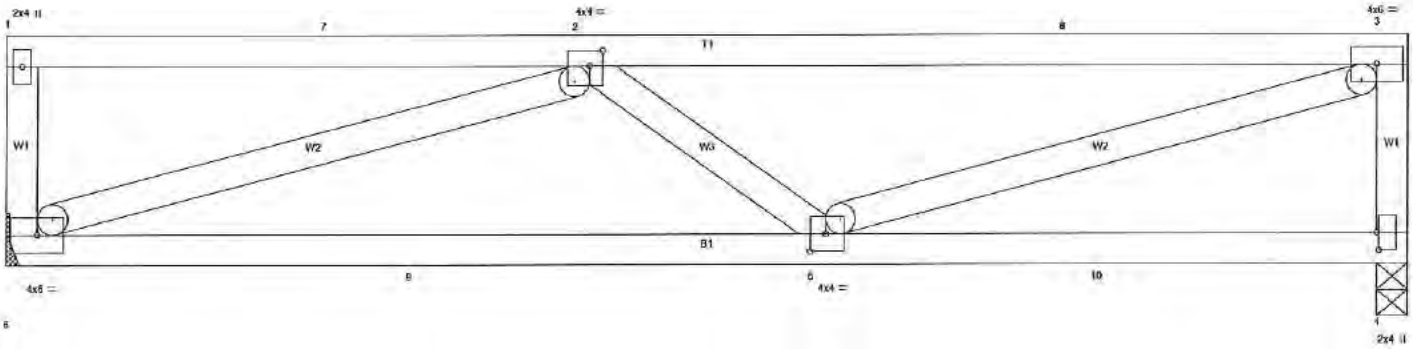
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07G	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:45 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-qQXhT4ODQetaAM0kjzatSWiMWU4Lz5WCuAOO8LyOAgq

5-6-8 (5-6-8) | 13-0-8 (7-6-0) | 13-4-0 (0-3-8)

Scale = 1:21.1
Camber = 3/16 II



7-9-8 (7-9-8) | 13-4-0 (5-6-8)

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL) -0.26 5-6 >605 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.82	Vert(CT) -0.43 5-6 >368 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.69	Horz(CT) 0.02 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 59 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-9-2 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = -66(LC 10)
Max Uplift
4 = -76(LC 9)
6 = -76(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-8=-953/76, 3-8=-953/76, 3-4=-547/93
BOT CHORD
6-9=-215/1143, 5-9=-215/1143
WEBS
2-6=-1158/212, 2-5=-279/152, 3-5=-63/951

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

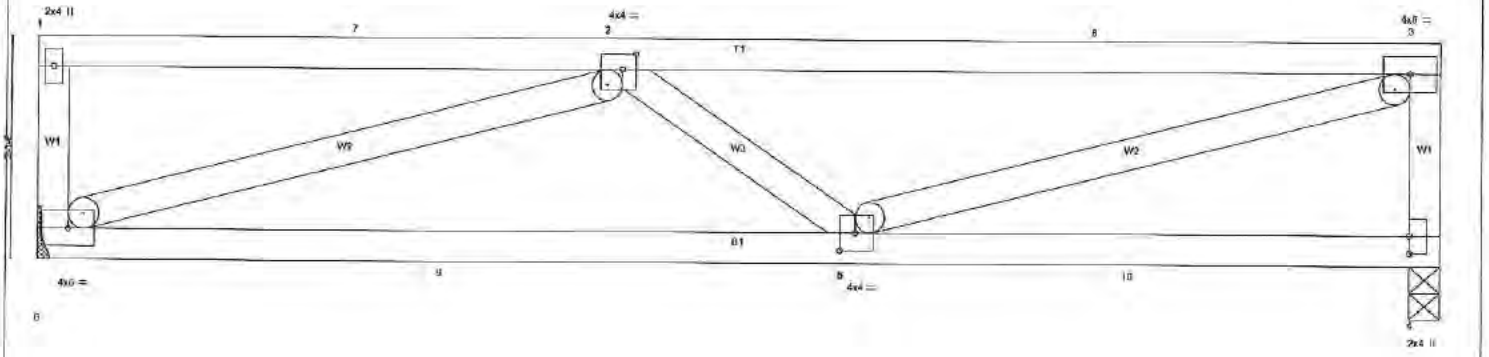
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 123
M29679 CHESTNUT SQUARE	AF07H	FLAT	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:46 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-Ic53gQOrBy?RoWbwHg562kFXGuQYIXTL7q8xhoyOAgp

5-6-10
5-6-10
13-0-8
7-5-14
13-4-0
0-3-8

Scale = 1:21.0
Camber = 3/16 in



7-9-5
7-9-5
13-4-0
5-6-11

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL) -0.26 5-6 >607 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.43 5-6 >367 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.71	Horz(CT) 0.02 4 n/a n/a	Weight: 59 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-7-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = 64(LC 11)
Max Uplift
4 = -76(LC 9)
6 = -76(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-8=-987/78, 3-8=-987/78, 3-4=-547/92
BOT CHORD
6-9=-219/1181, 5-9=-219/1181
WEBS
2-6=-1190/217, 2-5=-283/154, 3-5=-65/979

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

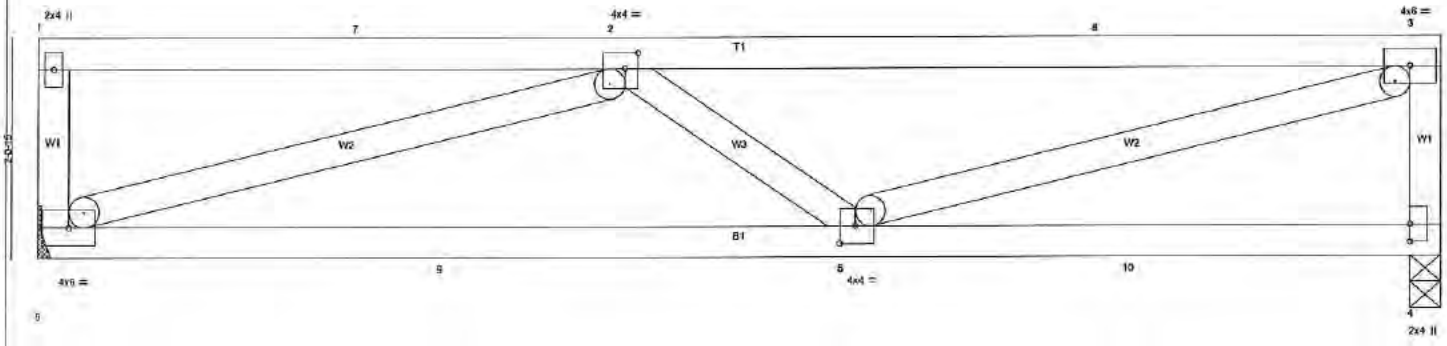
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07I	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:47 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-mofRumPTyF7IPgA7qOcLXxoi1ImmRzXULTtVDEyOAgo

5-6-13 | 13-0-8 | 13-4-0
5-6-13 | 7-5-11 | 0-3-8

Scale = 1:21.0
Camber = 3/16 in



7-9-3 | 13-4-0
7-9-3 | 5-6-13

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL) -0.26 5-6 >609 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.43 5-6 >367 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.72	Horz(CT) 0.02 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 58 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-7-5 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = -62(LC 8)
Max Uplift
4 = -76(LC 9)
6 = -76(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-8=-1007/80, 3-8=-1007/80, 3-4=-546/92
BOT CHORD
5-9=-222/1205, 5-9=-222/1205
WEBS
2-6=-1210/219, 2-5=-285/155, 3-5=-66/997

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

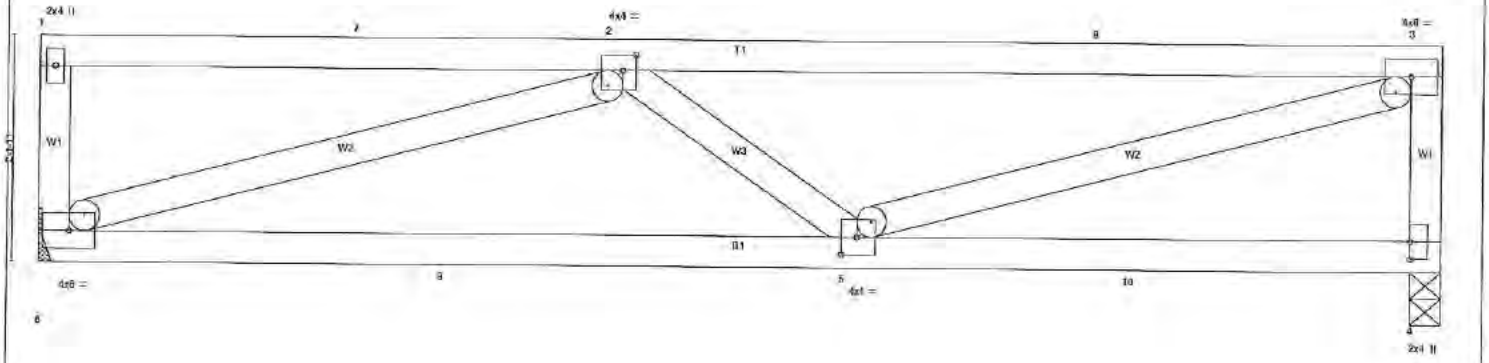
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07J	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:47 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-mofRumPTyF7IPgA7qOcLXxoi0ImoR_rULTtVDEyOAgo

5-6-9
5-6-9
13-0-8
7-5-15
13-4-0
0-3-8

Scale = 1:21.0
Camber = 3/16 in



7-9-7
7-9-7
13-4-0
5-6-9

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL) -0.26 5-6 >606 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.43 5-6 >367 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.70	Horz(CT) 0.02 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 59 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-8-7 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = -85(LC 8)
Max Uplift
4 = -76(LC 9)
6 = -76(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-8=-972/77, 3-8=-972/77, 3-4=-647/93
BOT CHORD
6-9=-217/1165, 5-9=-217/1165
WEBS
2-6=-1176/215, 2-5=-281/153, 3-5=-64/967

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

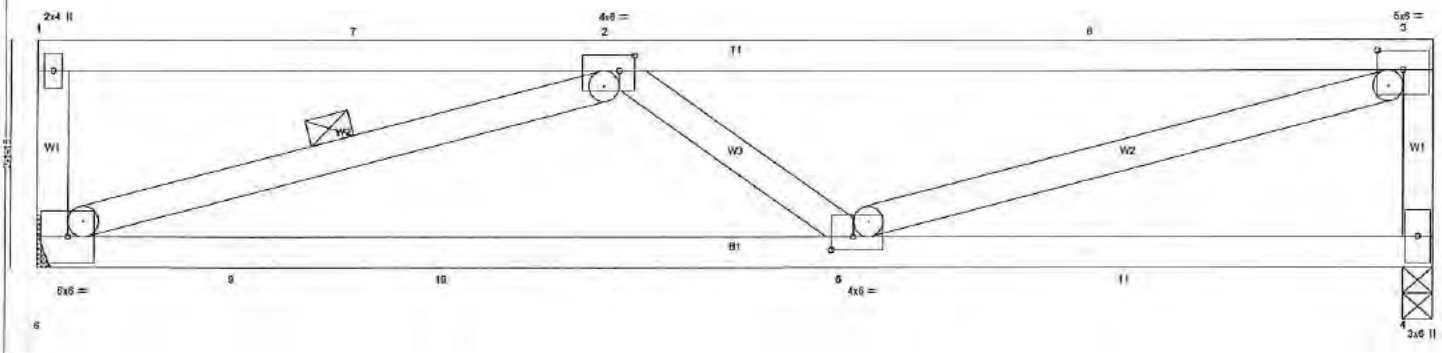
Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF07K	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:48 2019 Page 1
ID:7szsPdubUj0NunHE7IEWl3z2IN5-E?Dp56Q5jZF91qlJO57a49Ktmi51AOQea7d2lgyOAgn

5-6-8 | 13-0-8 | 13-4-0
5-6-8 | 7-6-0 | 0-3-8

Scale = 1:21.1
Camber = 3/16 in



7-9-8 | 13-4-0
7-9-8 | 5-6-8

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL) -0.26 5-6 >605 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.43 5-6 >367 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.03 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 59 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-7-7 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-3-1 oc bracing.
WEBS
1 Row at midpt 2-6

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 587/0-3-8 (min. 0-1-8)
6 = 587/Mechanical
Max Horz
6 = 235(LC 34)
Max Uplift
4 = -543(LC 30)
6 = -543(LC 27)
Max Grav
4 = 793(LC 47)
6 = 793(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-599/477, 2-7=-1409/1364, 2-8=-1234/570, 3-8=-2003/1417, 3-4=-838/556
BOT CHORD
6-9=-2116/2727, 9-10=-2116/2727, 5-10=-2116/2727
WEBS
2-6=-2186/1643, 2-5=-884/881, 3-5=-1471/2059

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0 for 1666.7 plf.

LOAD CASE(S)
Standard

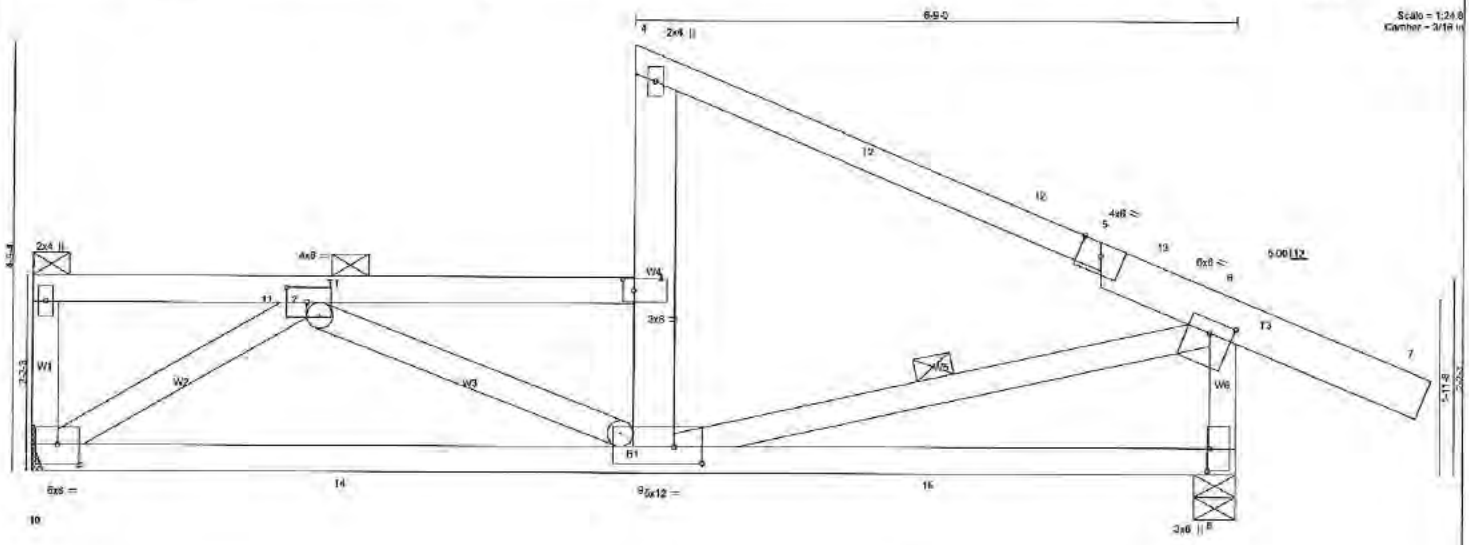
[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF08A	Half Hip	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:40 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2lN5-iBnCJSRjUtN0f_JVypepdMt_I6SUvqcnpnMcH7yOAgm

3-0-15 | 6-9-0 | 13-2-8 | 13-6-0 | 15-6-0
3-0-15 | 3-8-1 | 6-5-8 | 0-3-8 | 2-0-0



6-9-0 | 13-6-0
6-9-0 | 6-9-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	-0.22	9-10	>718	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.43	9-10	>367	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.01	8	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 75 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W4: 2x6 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
10 = 580/Mechanical
8 = 774/0-5-8 (min. 0-1-12)
Max Horz
10 = -147(LC 28)
Max Uplift
10 = -522(LC 27)
8 = -1194(LC 38)
Max Grav
10 = 773(LC 48)
8 = 1548(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-11=-700/669, 2-11=-785/754, 2-3=-1665/1042, 4-12=-1423/1218, 5-12=-1774/1419, 5-13=-1955/1547, 6-13=-2179/1790, 6-8=-1559/1309
BOT CHORD
10-14=-748/1234, 9-14=-1054/1389, 9-15=-1652/1746, 8-15=-802/934
WEBS
2-9=-1062/1298, 6-9=-1627/1892, 2-10=-1389/991

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-0-15, Interior(1) 3-0-15 to 6-11-12, Exterior(2) 6-11-12 to 11-2-11, Interior(1) 11-2-11 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 13-6-0 for 250.0 plf.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

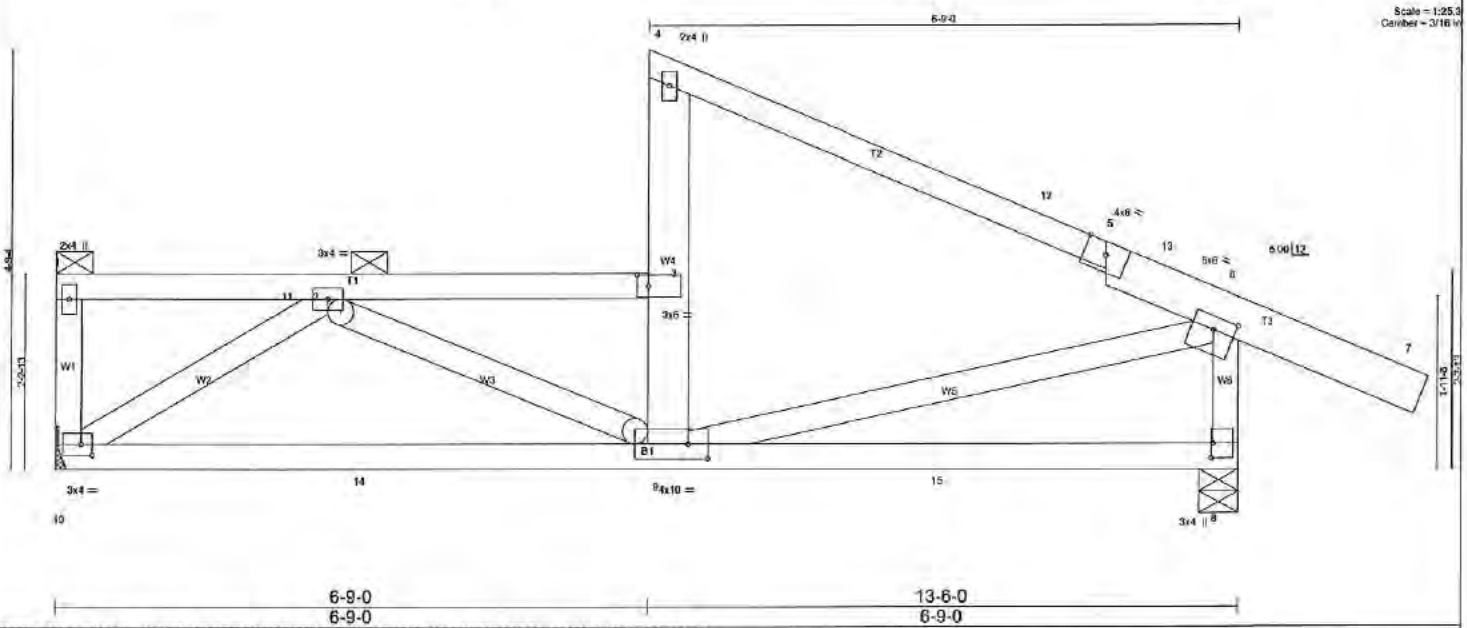
[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF08B	Half Hip	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:50 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-BNKaWoSLFAWsG8uhWW929aPDjVoleHCx2R69qZyOAgI

3-1-3 | 6-9-0 | 13-2-8 | 13-6-0 | 15-6-0
3-1-3 | 3-7-14 | 6-5-8 | 0-3-8 | 2-0-0



6-9-0 | 13-6-0
6-9-0 | 6-9-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.22	9-10	>721	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.42	9-10	>373	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.01	8	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 75 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W4: 2x6 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 1-3. Except:
6-0-0 oc bracing: 1-3
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
10 = 580/Mechanical
8 = 774/0-5-8 (min. 0-1-8)
Max Horz
10 = -148(LC 8)
Max Uplift
10 = -73(LC 8)
8 = -58(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-967/200, 4-12=-466/59, 5-12=-518/36, 5-13=-569/31, 6-13=-593/30, 6-8=-717/178
BOT CHORD
10-14=-44/697, 9-14=-44/697
WEBS
2-9=-59/465, 6-9=0/369, 2-10=-798/204

LOAD CASE(S)
Standard

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-3, Interior(1) 3-1-3 to 6-11-12, Exterior(2) 6-11-12 to 11-2-11, Interior(1) 11-2-11 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF08C	Half Hip	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:51 2019 Page 1
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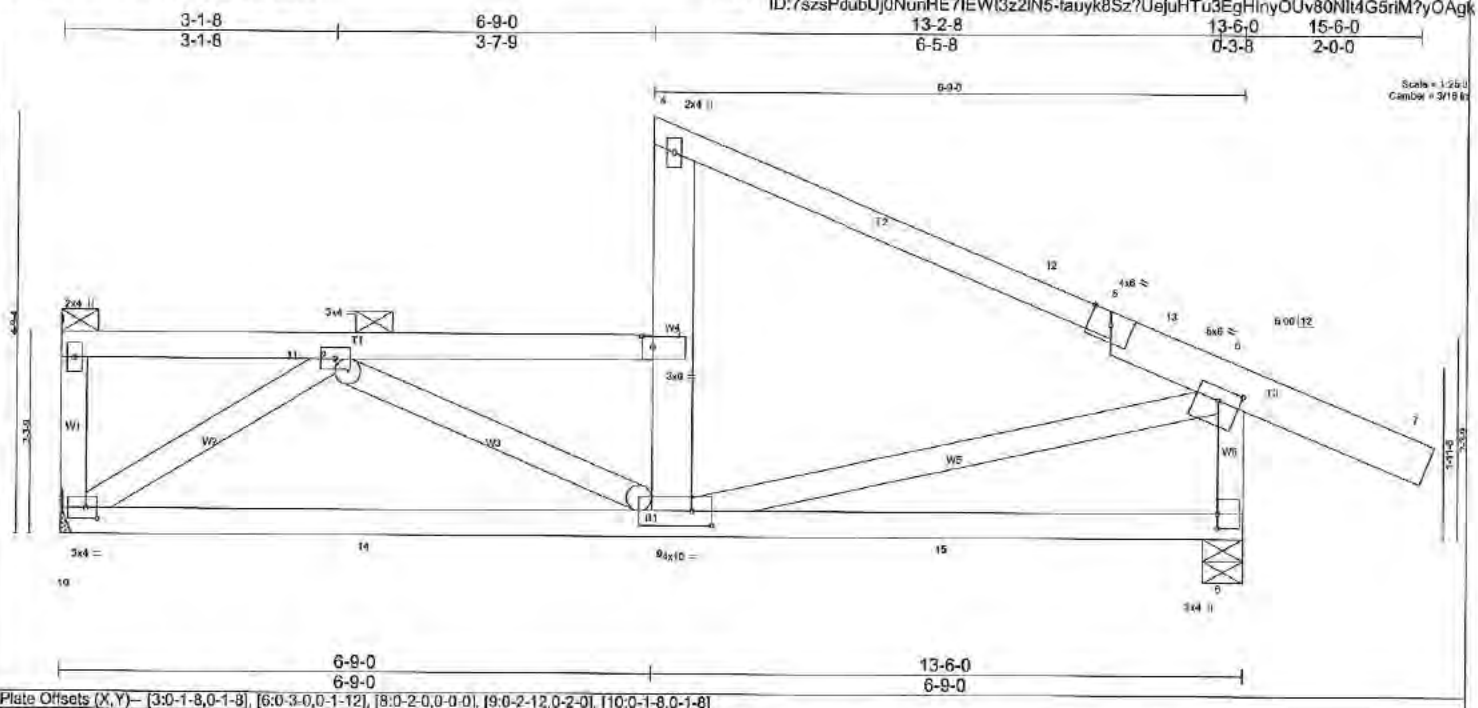

Plate Offsets (X,Y)-- [3:0-1-8,0-1-8], [6:0-3-0,0-1-12], [8:0-2-0,0-0-0], [9:0-2-12,0-2-0], [10:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.22	9-10	>725	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.42	9-10	>381	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.01	8	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 75 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W4: 2x6 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 1-3. Except:
6-0-0 oc bracing: 1-3
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
10 = 580/Mechanical
8 = 774/0-5-8 (min. 0-1-8)
Max Horz
10 = -149(LC 8)
Max Uplift
10 = -74(LC 8)
8 = -59(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-938/194, 4-12=-466/59, 5-12=-519/36, 5-13=-569/31, 6-13=-594/30, 6-8=-717/179
BOT CHORD
10-14=-41/679, 9-14=-41/679
WEBS
2-9=-57/451, 6-9=0/370, 2-10=-784/201

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-7, Interior(1) 3-1-7 to 6-11-12, Exterior(2) 6-11-12 to 11-2-11, Interior(1) 11-2-11 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF08D	Half Hip	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:52 2019 Page 1
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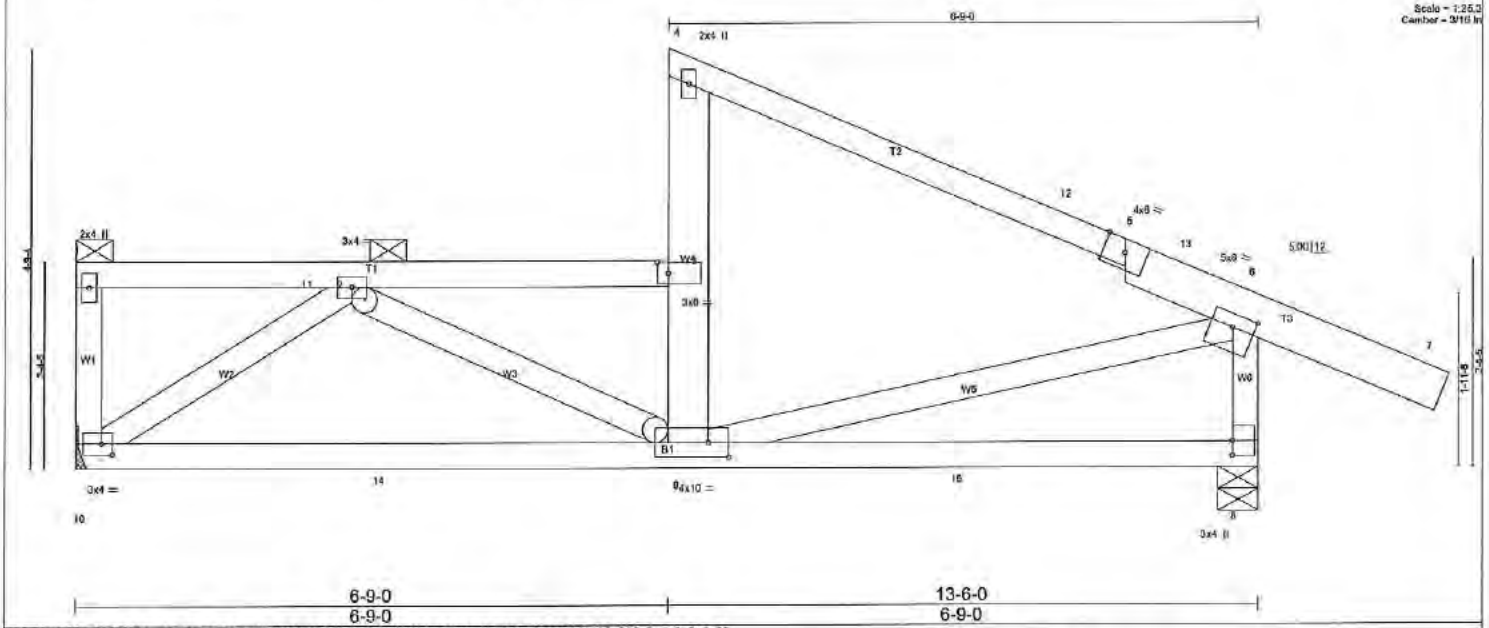
3-1-13 | 6-9-0 | 13-2-8 | 13-6-0 | 15-6-0
3-1-13 | 3-7-4 | 6-5-8 | 0-3-8 | 2-0-0



6-9-0 | 13-6-0
6-9-0 | 6-9-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.22	9-10	>729	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.41	9-10	>388	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.01	8	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 75 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W4: 2x6 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 1-3. Except:
6-0-0 oc bracing: 1-3
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
10 = 580/Mechanical
8 = 774/0-5-8 (min. 0-1-8)
Max Horz
10 = -149(LC 8)
Max Uplift
10 = -74(LC 8)
8 = -59(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-912/188, 4-12=-467/59, 5-12=-520/36, 5-13=-570/31, 6-13=-595/30, 6-8=-718/179
BOT CHORD
10-14=-39/663, 9-14=-39/663
WEBS
2-9=-56/438, 6-9=0/372, 2-10=-771/198

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-13, Interior(1) 3-1-13 to 6-11-12, Exterior(2) 6-11-12 to 11-2-11, Interior(1) 11-2-11 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Squsre MMB
M29679 CHESTNUT SQUARE	AF08E	Half Hip	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:53 2019 Page 1
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3-2-3 | 6-9-0 | 13-2-8 | 13-6-0 | 15-6-0
3-2-3 | 3-6-13 | 6-5-8 | 0-3-8 | 2-0-0

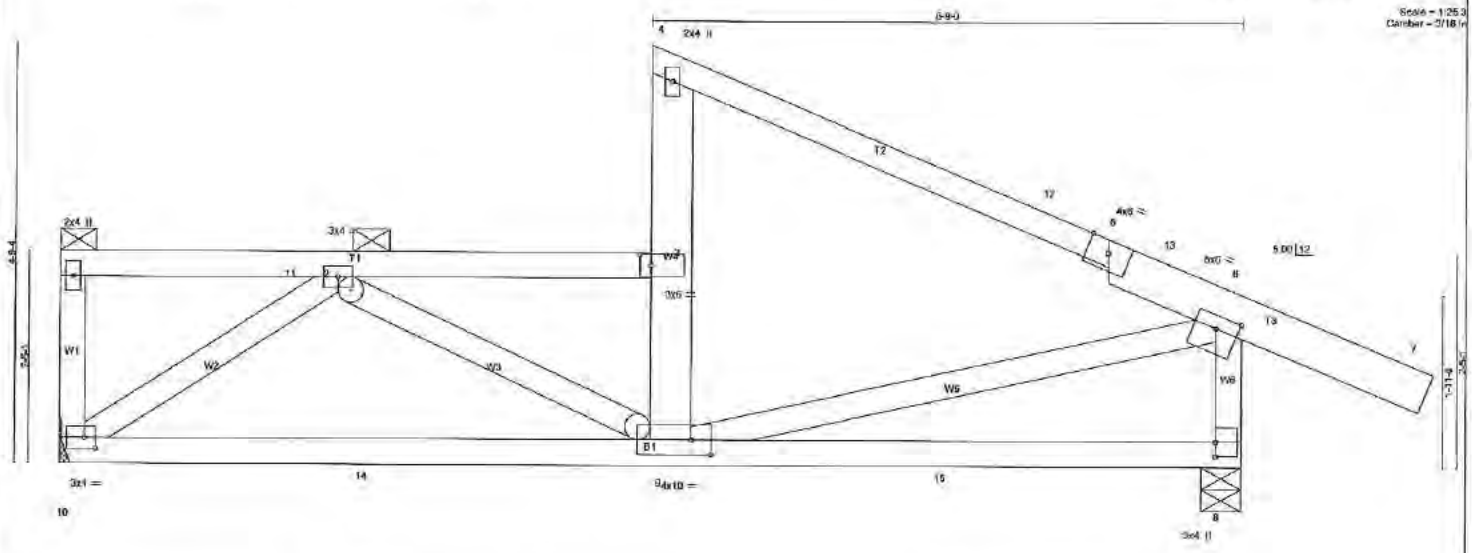

Plate Offsets (X,Y)-- [3:0-1-8,0-1-8], [6:0-3-0,0-1-12], [8:0-2-0,0-0-0], [9:0-2-12,0-2-0], [10:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.22	9-10	>733	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.40	9-10	>395	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.01	8	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 75 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W4: 2x6 DF No.2 G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 1-3. Except:
6-0-0 oc bracing: 1-3
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
10 = 580/Mechanical
8 = 774/0-5-8 (min. 0-1-8)
Max Horz
10 = -150(LC 8)
Max Uplift
10 = -74(LC 8)
8 = -59(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-886/182, 4-12=-468/59, 5-12=-521/36, 5-13=-571/30, 6-13=-595/29, 6-8=-716/180
BOT CHORD
10-14=-36/648, 9-14=-36/848
WEBS
2-9=-54/425, 6-9=0/373, 2-10=-759/196

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-2-3, Interior(1) 3-2-3 to 6-11-12, Exterior(2) 6-11-12 to 11-2-11, Interior(1) 11-2-11 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2303.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF08F	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:54 2019 Page 1
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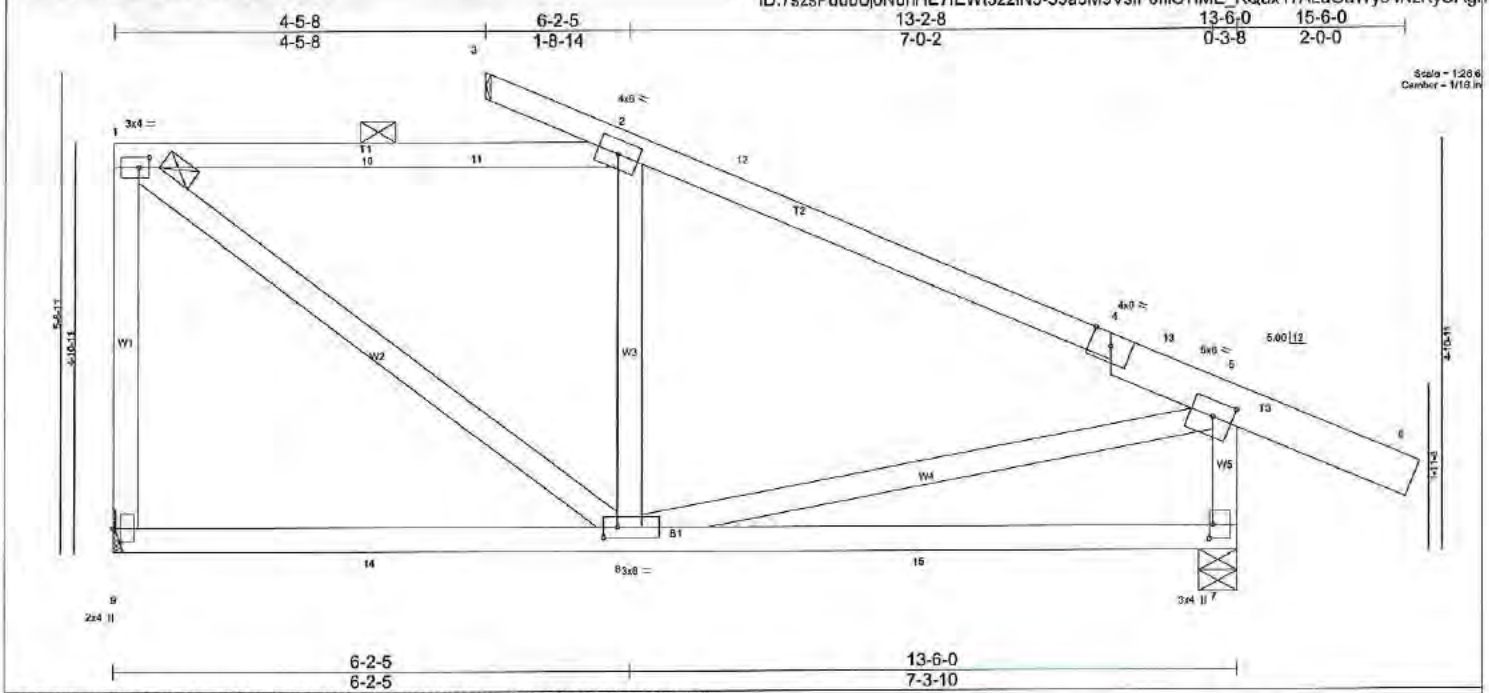

Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [5:0-2-12,0-2-4], [7:0-2-0,0-0-8], [8:0-2-0,0-1-8], [9:0-2-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.21	7-8	>747	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.31	7-8	>519	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	7	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 79 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (6-0-0 max.): 1-2. Except:
6-0-0 oc bracing: 1-2
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
9 = 616/Mechanical
7 = 797/0-5-8 (min. 0-1-8)
Max Horz
9 = -219(LC 8)
Max Uplift
9 = -112(LC 8)
7 = -75(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-9=-575/228, 1-10=-507/288, 10-11=-503/288, 2-11=-502/289, 2-12=-478/181, 4-12=-545/173, 4-13=-641/140, 5-13=-666/140, 5-7=-743/242
WEBS
1-8=-252/605, 2-8=-339/249, 5-8=-114/425

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-2-5, Exterior(2) 4-5-8 to 7-5-8, Interior(1) 7-5-8 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF08G	Roof Special	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:55 2019 Page 1
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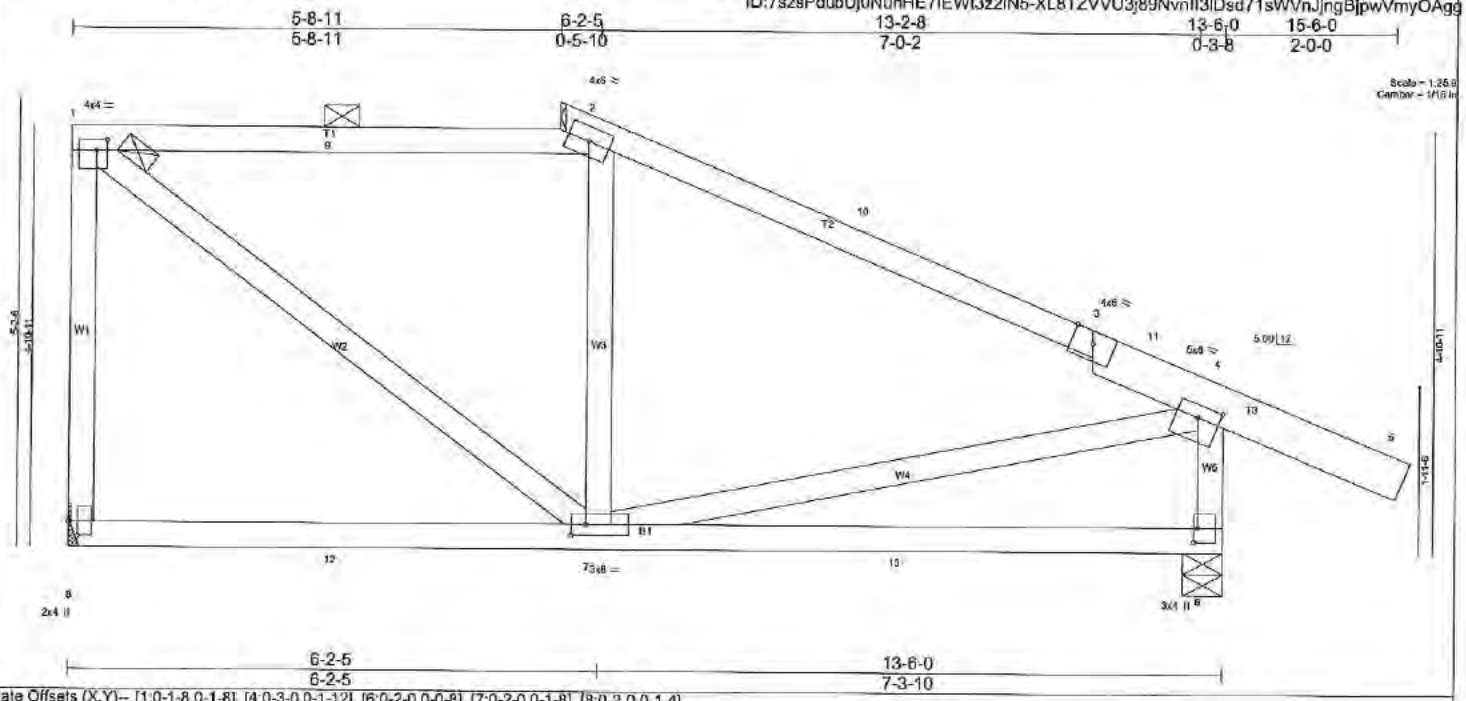


Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [4:0-3-0,0-1-12], [6:0-2-0,0-0-8], [7:0-2-0,0-1-8], [8:0-2-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.92	Vert(LL)	-0.21	6-7	>740	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.31	6-7	>517	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.00	6	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 77 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T3: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (5-1-1 max.): 1-2. Except:
5-1-0 oc bracing: 1-2
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
8 = 753/Mechanical
6 = 825/0-5-8 (min. 0-1-8)
Max Horz
8 = -194(LC 10)
Max Uplift
8 = -144(LC 8)
6 = -93(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-8=-710/210, 1-9=-536/132, 2-9=-530/134, 2-10=-569/126, 3-10=-574/88, 3-11=-677/86, 4-11=-701/86, 4-6=-770/220
WEBS
1-7=-171/621, 2-7=-353/162, 4-7=-17/460

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-2-5, Exterior(2) 6-2-5 to 9-2-5, Interior(1) 9-2-5 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Girder carries tie-in spans of 4-0-0 from front girder and 2-0-0 from back girder.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-111(B=-37), 2-4=-74, 4-5=-74, 6-8=-16

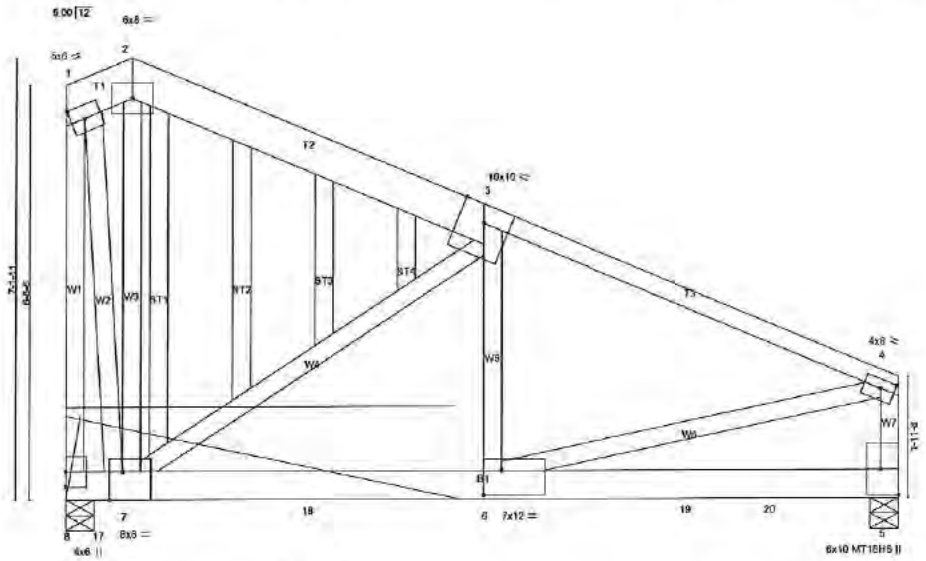
[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF09	GABLE	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:57:56 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-?XirnrW6q0G0?3MrsnGSPrfE0wql2_YpQNZT1DyOAgf

1-0-12	6-10-12	13-2-8	13-6-0
1-0-12	5-10-0	6-3-12	0-3-8



1-0-12	6-10-12	13-6-0
1-0-12	5-10-0	6-7-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.83	Vert(LL)	-0.08	5-6	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.25	5-6	>623	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.02	5	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 256 lb	FT = 20%

LUMBER-
TOP CHORD 2x8 DF No.2 G *Except*
T3: 2x4 DF No.2 G
BOT CHORD 2x6 DF SS G
WEBS 2x4 DF Stud/Std G *Except*
W7: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-5-10 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size)
8 = 3894/0-5-8 (min. 0-2-3)
5 = 3894/0-5-8 (min. 0-2-9)
Max Horz
8 = -412(LC 19)
Max Uplift
8 = -956(LC 29)
5 = -2061(LC 30)
Max Grav
8 = 4109(LC 16)
5 = 4861(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-797/292, 2-3=-2121/1767, 3-4=-5690/3087, 1-8=-4163/845, 4-5=-3608/1945
BOT CHORD
8-17=-159/358, 7-17=-159/358, 7-18=-778/3669, 6-18=-778/3669, 6-19=-3111/3376, 19-20=-3111/3376, 5-20=-3111/3376
WEBS
2-7=-161/688, 3-7=-3804/1191, 3-6=-898/3264, 1-7=-685/3642, 4-6=-2785/5174

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
6) All plates are MT20 plates unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) A plate rating reduction of 20% has been applied for the green lumber members.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
13) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 11-6-0 to 13-6-0 for 1687.8 plf.
14) Girder carries tie-in span(s): 24-8-0 from 0-0-0 to 13-6-0

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-4=-74, 5-8=-516(F=-500)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29879 CHESTNUT SQUARE	AF10	COMMON	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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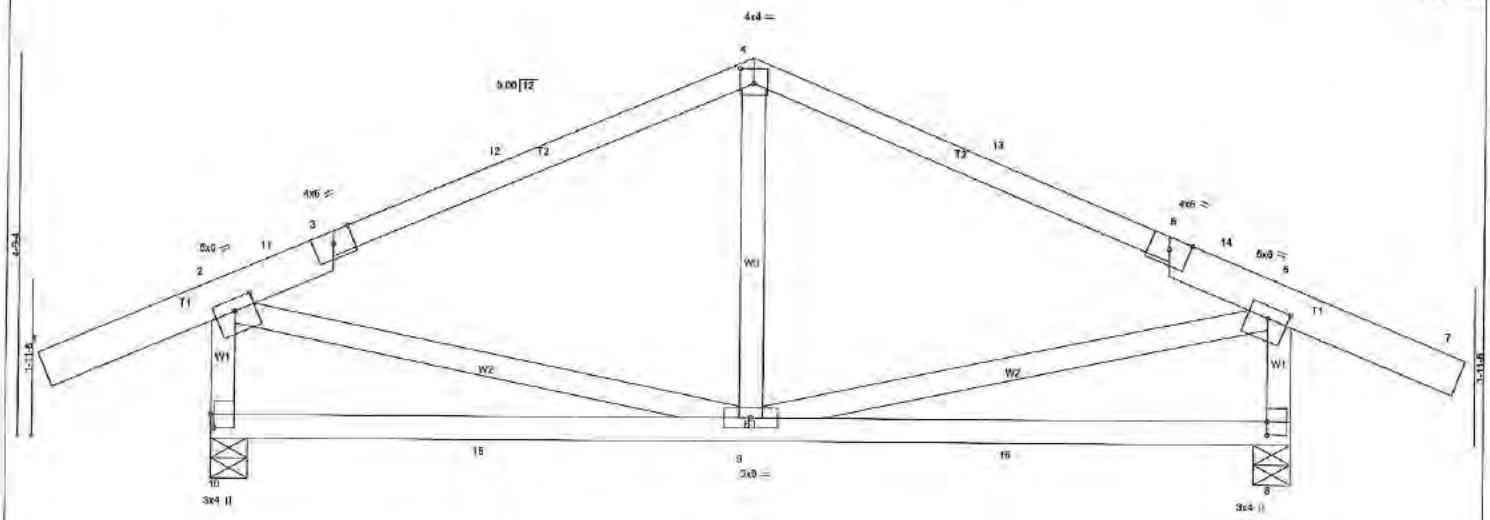
ID:7szsPdubUj0NunHE7IEWt3z2IN5-TkGD_BXkbKOtcCx2QUnhx2CR2KCpne3zf1I1ZfyOAge

-2-0-0 2-0-0 | 6-9-0 6-9-0 | 13-2-8 6-5-8 | 13-6-0 0-3-8 | 15-6-0 2-0-0

Scale = 1:27.7



6-9-0 6-9-0 | 13-6-0 6-9-0

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.68	Vert(LL) -0.17 9-10 >923 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.45	Vert(CT) -0.23 9-10 >692 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14	Horz(CT) 0.00 8 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 78 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
10 = 760/0-5-8 (min. 0-1-8)
8 = 760/0-5-8 (min. 0-1-8)
Max Horz
10 = -49(LC 10)
Max Uplift
10 = -74(LC 12)
8 = -74(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-11=-600/59, 3-11=-575/59, 3-12=-484/62, 4-12=-478/95, 4-13=-478/95, 5-13=-484/62, 5-14=-575/59, 6-14=-600/59, 2-10=-712/201, 6-8=-712/201
WEBS
2-9=0/391, 6-9=0/391

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-1-1 to 0-10-15, Interior(1) 0-10-15 to 6-9-0, Exterior(2) 6-9-0 to 9-9-0, Interior(1) 9-9-0 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AF11	GABLE	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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-2-0-0 2-8-0 6-9-0 10-10-0 13-2-8 13-6-0 15-6-0
2-0-0 2-8-0 4-1-0 4-1-0 2-4-8 0-3-8 2-0-0

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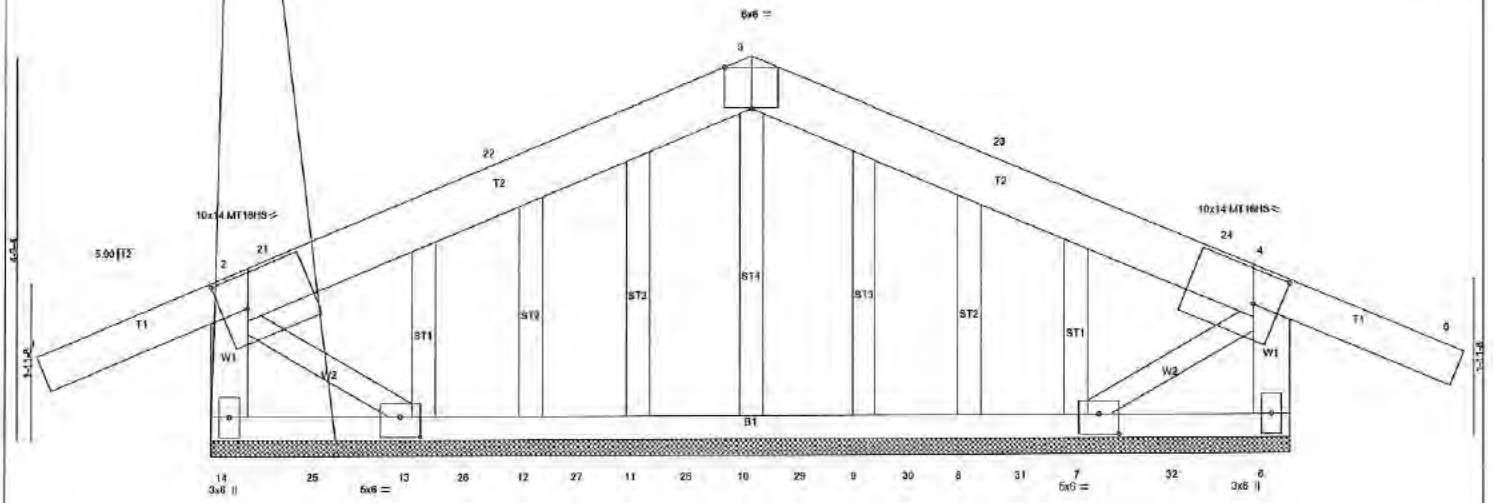

2-8-0 10-10-0 13-6-0
2-8-0 8-2-0 2-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.00	4	n/r	180	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.01	4-5	n/r	120	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.01	6	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-SH		Wind(LL)	0.02	4-5	n/r	120	Weight: 110 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x8 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x6 DF No.2 G *Except*
W2: 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 5-10-11 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 13-6-0.
(lb) - Max Horz
14=-167(LC 32)
Max Uplift
All uplift 100 lb or less at joint(s) 10, 8, 9, 12, 11 except
14=-1855(LC 35), 6=-1857(LC 38), 7=-1178(LC 47), 13=-1175(LC 48)
Max Grav
All reactions 250 lb or less at joint(s) except 14=2175(LC 48),
6=2177(LC 47), 10=273(LC 67), 7=1137(LC 36), 8=270(LC 69), 9=272(LC 68), 13=1135(LC 37), 12=270(LC 65), 11=272(LC 66)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-21=-2109/1798, 21-22=-1981/1678, 3-22=-1039/856, 3-23=-1078/949,
23-24=-1980/1698, 4-24=-2109/1818, 2-14=-2323/1877, 4-6=-2302/2009
BOT CHORD
14-25=-466/599, 13-25=-254/388, 13-26=-1157/1437, 12-26=-973/1289,
12-27=-754/1104, 11-27=-621/804, 11-28=-454/771, 10-28=-135/594,
10-29=-44/481, 9-29=-341/658, 9-30=-508/692, 8-30=-641/992,
8-31=-860/1177, 7-31=-1045/1325, 7-32=-337/455, 6-32=-319/437
WEBS
2-13=-1710/1884, 4-7=-1720/1948

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-1-1 to 0-10-15, Interior(1) 0-10-15 to 6-9-0, Exterior(2) 6-9-0 to 9-9-0, Interior(1) 9-9-0 to 15-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 13-6-0 for 250.0 plf.
13) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Square MMB
M29879 CHESTNUT SQUARE	AG01	GABLE	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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-1-2-14 | 2-8-0 | 6-3-0 | 9-10-0 | 12-2-8 | 12-6-0 | 13-8-14
1-2-14 | 2-8-0 | 3-7-0 | 3-7-0 | 2-4-8 | 0-3-8 | 1-2-14

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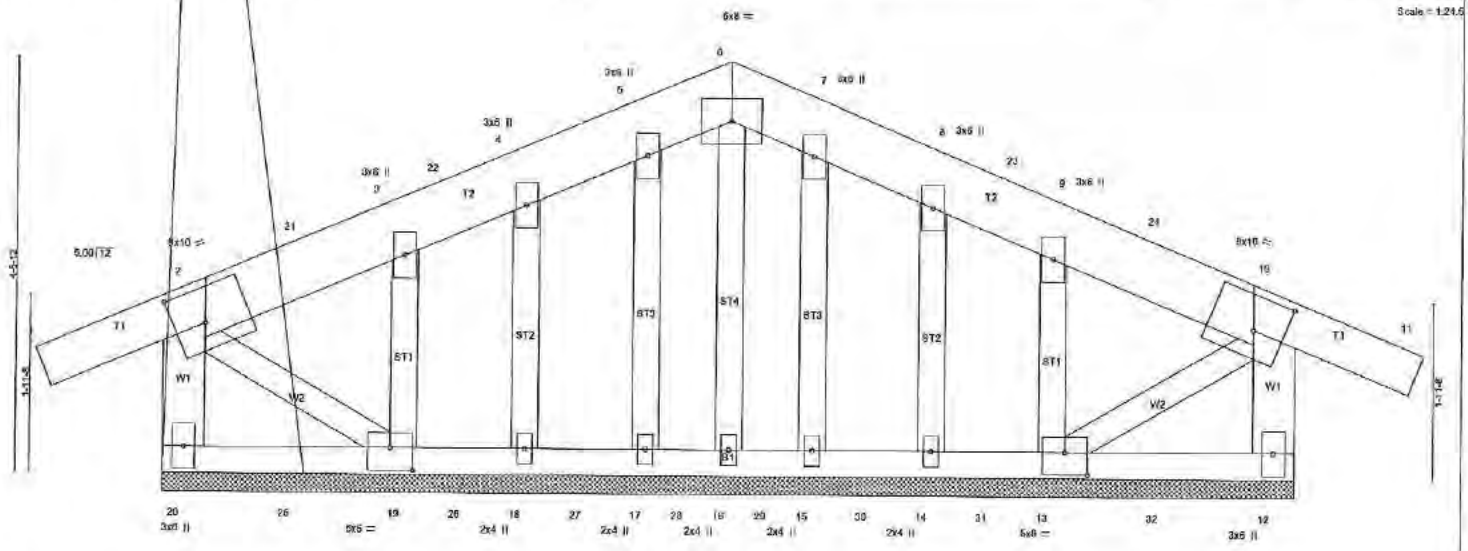

2-8-0 | 7-2-0 | 9-10-0 | 12-6-0
2-8-0 | 4-6-0 | 2-8-0 | 2-8-0

Plate Offsets (X,Y)-- [2:0-4-0,0-4-8], [10:0-4-0,0-4-8], [13:0-3-0,0-3-0], [19:0-3-0,0-3-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.23	Vert(LL) 0.00 10 n/r 180	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.15	Vert(CT) -0.01 11 n/r 120	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.61	Horz(CT) 0.00 16 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-SH	Wind(LL) 0.01 10-11 n/r 120	Weight: 102 lb FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x8 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x6 DF No.2 G *Except*
W2: 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 12-6-0.
(lb) - Max Horz
20= 168(LC 33)
Max Uplift
All uplift 100 lb or less at joint(s) 16, 14, 15, 18, 17 except
20=-1576(LC 27), 12=-1601(LC 30), 13=-1010(LC 37), 19=-986(LC 36)
Max Grav
All reactions 250 lb or less at joint(s) except 20=1648(LC 48),
12=1687(LC 47), 16=293(LC 67), 13=1056(LC 48), 14=312(LC 69),
15=310(LC 68), 19=1032(LC 47), 18=312(LC 65), 17=310(LC 66)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-21=-1577/1573, 3-21=-1235/1254, 3-22=-957/993, 4-22=-745/839,
4-5=-601/668, 5-6=-247/310, 6-7=-263/352, 7-8=-641/687, 8-23=-800/879,
9-23=-996/1033, 9-24=-1276/1312, 10-24=-1618/1631, 2-20=-1640/1597,
10-12=-1679/1765
BOT CHORD
20-25=-383/466, 19-25=-297/342, 19-26=-949/967, 18-26=-782/806,
18-27=-582/639, 17-27=-449/458, 17-28=-282/306, 15-30=-370/372,
14-30=-503/561, 14-31=-703/727, 13-31=-870/861, 13-32=-366/386,
12-32=-284/298
WEBS
2-19=-1578/1590, 10-13=-1544/1585

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-3-15 to 1-8-1, Exterior(2) 1-8-1 to 6-3-0, Corner(3) 6-3-0 to 9-3-0, Exterior(2) 9-3-0 to 13-9-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 12-6-0 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AG02	COMMON	4	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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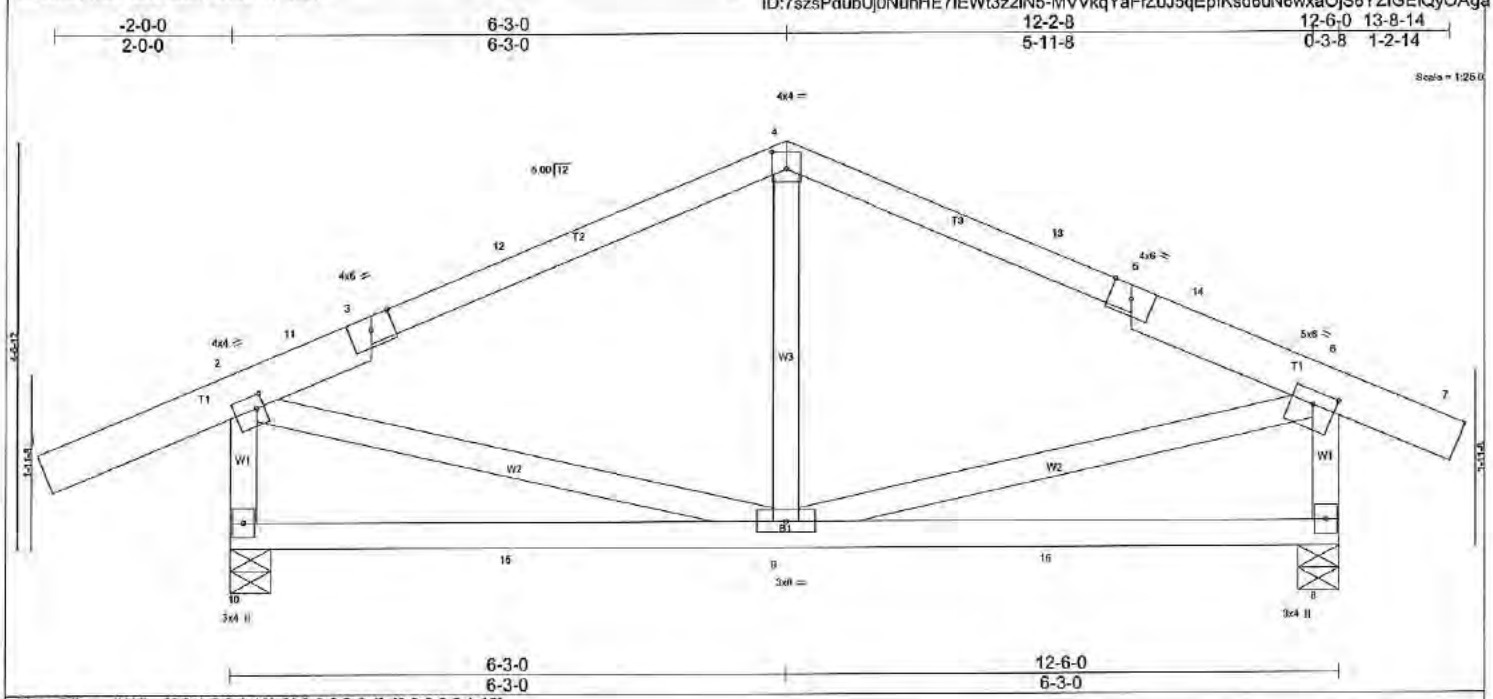

Plate Offsets (X,Y)-- [2:0-1-0,0-1-12], [4:0-2-0,0-2-4], [6:0-3-0,0-1-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.69	Vert(LL) -0.14 9-10 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.41	Vert(CT) -0.18 9-10 >816 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.13	Horz(CT) 0.00 8 n/a n/a	Weight: 72 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
10 = 723/0-5-8 (min. 0-1-8)
8 = 650/0-5-8 (min. 0-1-8)
Max Horz
10 = 56(LC 11)
Max Uplift
10 = -71(LC 12)
8 = -58(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-11=-548/60, 3-11=-523/61, 3-12=-449/68, 4-12=-442/94, 4-13=-442/101, 5-13=-447/81, 5-14=-472/76, 6-14=-540/65, 2-10=-679/201, 6-8=-605/169
WEBS
2-9=0/377, 6-9=0/360

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-1-1 to 0-10-15, Interior(1) 0-10-15 to 6-3-0, Exterior(2) 6-3-0 to 9-3-0, Interior(1) 9-3-0 to 13-9-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AG03	COMMON GIRDER	2	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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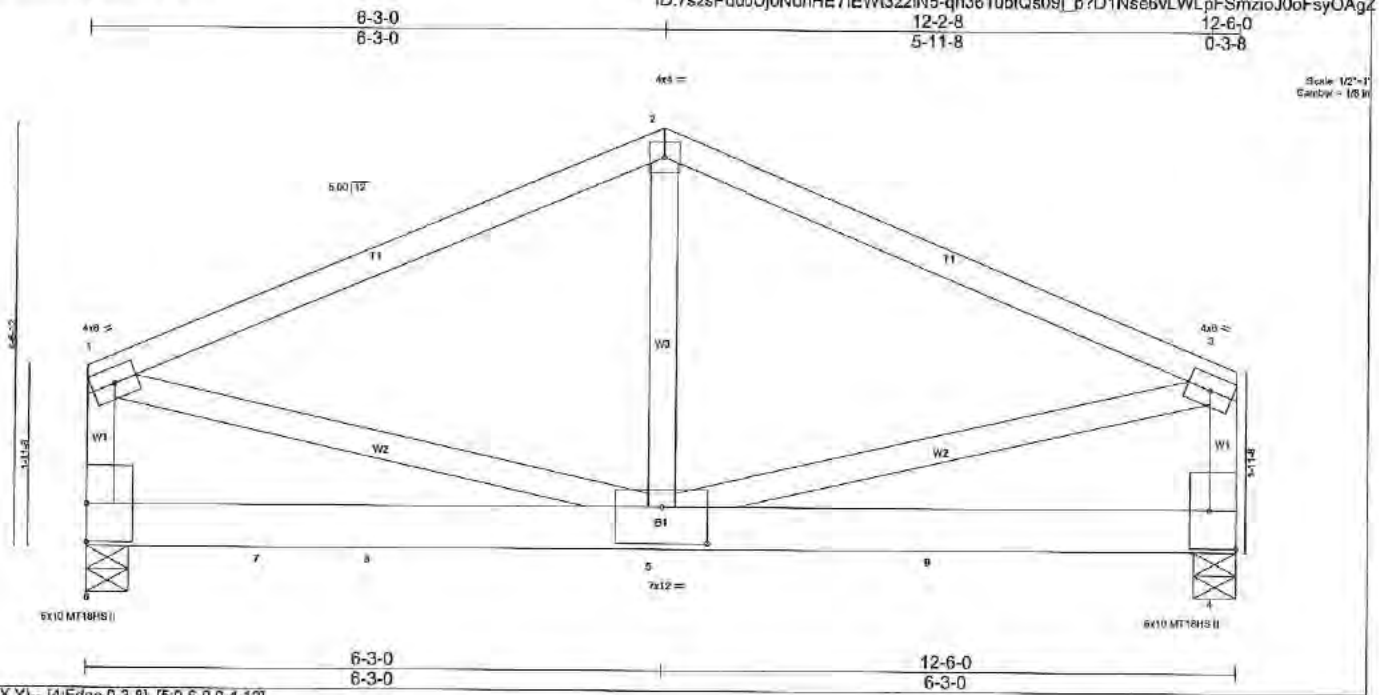

Plate Offsets (X,Y)-- [4:Edge,0-3-8], [5:0-6-0,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.07	5-6	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.21	5-6	>705	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.01	4	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 140 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W1: 2x4 DF No.2 G

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

REACTIONS. (lb/size)
6 = 3600/0-5-8 (min. 0-2-1)
4 = 3600/0-5-8 (min. 0-2-1)
Max Horz
6 = -207(LC 19)
Max Uplift
6 = -1328(LC 27)
4 = -1328(LC 30)
Max Grav
6 = 3858(LC 26)
4 = 3858(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-4368/1910, 2-3=-4371/1913, 1-6=-2722/1237, 3-4=-2728/1243
BOT CHORD
6-7=-3071/3305, 7-8=-3071/3305, 5-8=-3071/3305, 5-9=-88/402, 4-9=-88/402
WEBS
2-5=-143/2476, 1-5=-1726/3824, 3-5=-1754/3851

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0 for 1562.5 plf.
12) Girder carries tie-in span(s): 24-8-0 from 0-0-0 to 12-6-0

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 2-3=-74, 4-6=-516(F=-500)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AJ01	GABLE	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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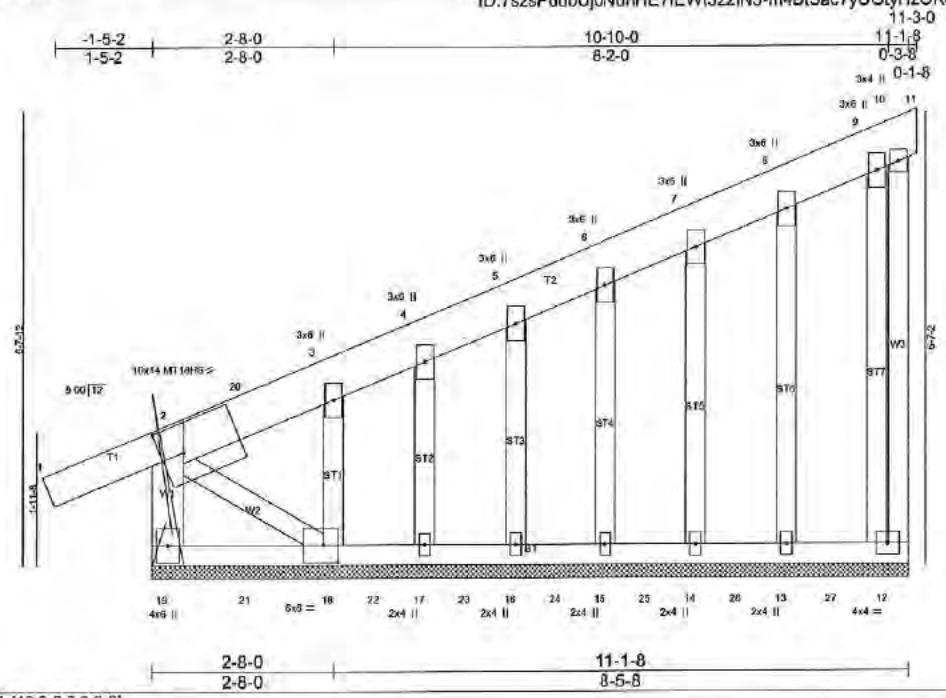

Plate Offsets (X,Y)-- [2:0-3-14,0-5-0], [18:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	0.00	10	n/r	180	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	0.00	10	n/r	120	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	-0.01	12	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-SH		Wind(LL)	0.00	10	n/r	120	Weight: 104 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x8 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x6 DF No.2 G *Except*
W3: 2x4 DF Stud/Std G, W2: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-1-13 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-4-3 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 11-1-8.
(lb) - Max Horz
19= 269(LC 29)
Max Uplift
All uplift 100 lb or less at joint(s) 12, 17, 16, 15, 14, 13 except
19=-2784(LC 27), 18=-1841(LC 30)
Max Grav
All reactions 250 lb or less at joint(s) except 12=302(LC 65),
19=3030(LC 34), 18=1796(LC 47), 17=311(LC 60), 16=319(LC 61),
15=317(LC 62), 14=317(LC 63), 13=319(LC 64)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-20=-3088/2927, 3-20=-2866/2721, 3-4=-2485/2359, 4-5=-2131/2021,
5-6=-1742/1649, 6-7=-1351/1278, 7-8=-954/906, 8-9=-540/499,
2-19=-3077/2841
BOT CHORD
19-21=-846/738, 18-21=-542/414, 18-22=-2108/2089, 17-22=-1942/1954,
17-23=-1742/1788, 16-23=-1608/1488, 16-24=-1442/1454,
15-24=-1178/1280, 15-25=-1108/1121, 14-25=-903/884, 14-26=-769/788,
13-26=-507/550, 13-27=-442/454
WEBS
2-18=-2981/3151

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-6-3 to 1-5-13, Exterior(2) 1-5-13 to 11-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are MT20 plates unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-1-8 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AJ02	MONOPITCH	6	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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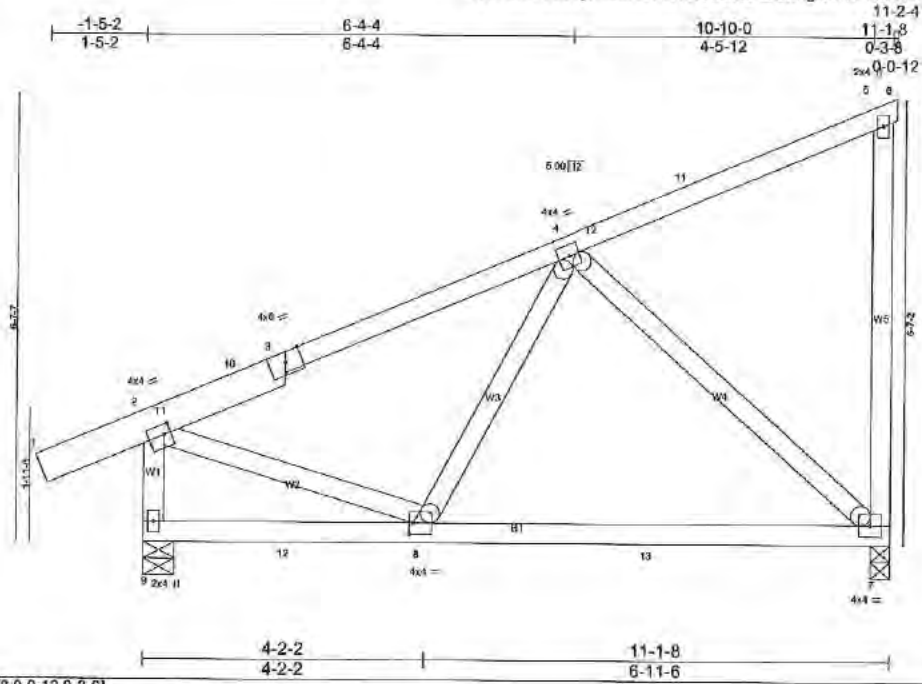

Plate Offsets (X,Y)-- [2:0-1-4,0-1-12], [8:0-0-13,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.19	7-8	>694	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.28	7-8	>468	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.01	7	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 66 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
9 = 620/0-5-8 (min. 0-1-8)
7 = 485/0-3-8 (min. 0-1-8)
Max Horz
9 = 256(LC 11)
Max Uplift
9 = -54(LC 12)
7 = -93(LC 12)
Max Grav
9 = 620(LC 1)
7 = 524(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-10=-461/32, 3-10=-434/41, 3-4=-415/68, 2-9=-598/150
BOT CHORD
9-12=-357/319, 8-12=-357/319, 8-13=-176/363, 7-13=-176/363
WEBS
4-7=-440/151, 2-8=0/375

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-3 to 1-5-13, Interior(1) 1-5-13 to 11-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AJ03	MONOPITCH	13	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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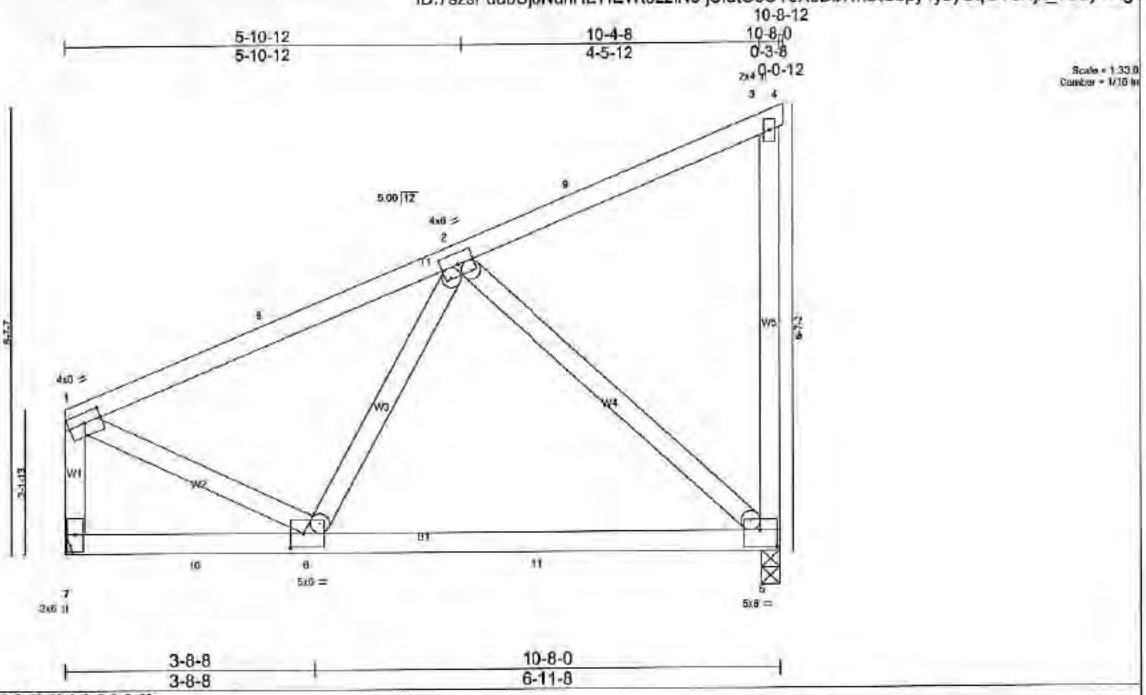


Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [5:0-3-0,0-3-0], [6:0-2-5,0-2-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.73	Vert(LL) -0.18 5-6 >676 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.52	Vert(CT) -0.28 5-6 >450 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.79	Horz(CT) 0.02 5 n/a n/a	Weight: 60 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-2-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-7-12 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
7 = 467/Mechanical
5 = 474/0-3-6 (min. 0-1-8)
Max Horz
7 = 363(LC 30)
Max Uplift
7 = -1585(LC 35)
5 = -565(LC 36)
Max Grav
7 = 1826(LC 46)
5 = 743(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-8=-2029/1763, 2-8=-1177/970, 2-9=-1393/1302, 3-9=-522/583, 1-7=-1808/1583
BOT CHORD
7-10=-908/951, 6-10=-2905/2863, 6-11=-696/876, 5-11=-696/876
WEBS
2-6=-987/1031, 2-5=-1086/860, 1-6=-1791/2074

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0 for 1333.3 plf.

LOAD CASE(S)
Standard

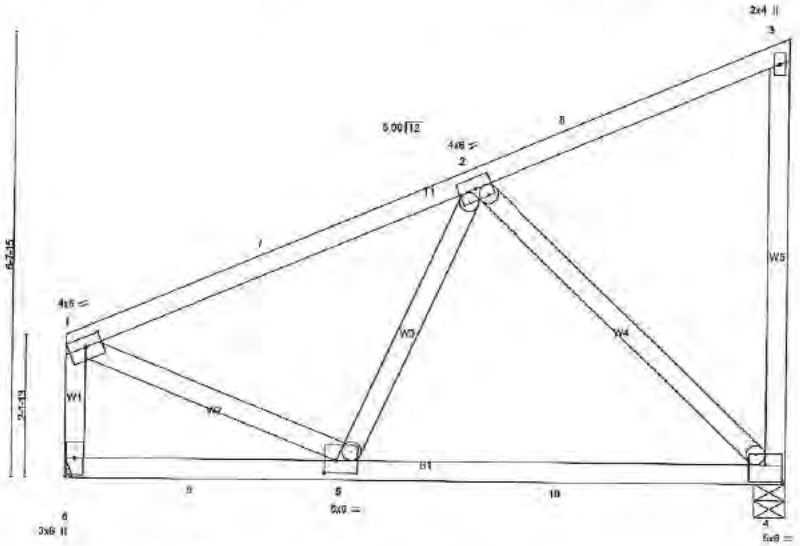
[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AJ04	Monopitch	6	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:07 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-Bfs?5cf0EPfSplhz?bz1L9d7MMb17_hRybjZw4yOAgU

6-2-1 | 10-6-8 | 10-10-0
6-2-1 | 4-4-8 | 0-3-8



4-2-12 | 10-10-0
4-2-12 | 6-7-4

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.76	Vert(LL)	-0.16	4-5	>775	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.52	Vert(CT)	-0.24	4-5	>529	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.83	Horz(CT)	0.02	4	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH						Weight: 61 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-11-9 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 3-7-9 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
6 = 474/Mechanical
4 = 474/0-5-8 (min. 0-1-8)
Max Horz
6 = 367(LC 30)
Max Uplift
6 = -1605(LC 35)
4 = -562(LC 36)
Max Grav
6 = 1847(LC 46)
4 = 740(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-2197/1923, 2-7=-1345/1130, 2-8=-1360/1271, 3-8=-508/545,
1-6=-1820/1808
BOT CHORD
6-9=-988/1678, 5-9=-2946/2911, 5-10=-669/851, 4-10=-669/851
WEBS
2-5=-908/964, 2-4=-1076/841, 1-5=-1903/2182

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0 for 1354.2 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AJ05	MONOPITCH	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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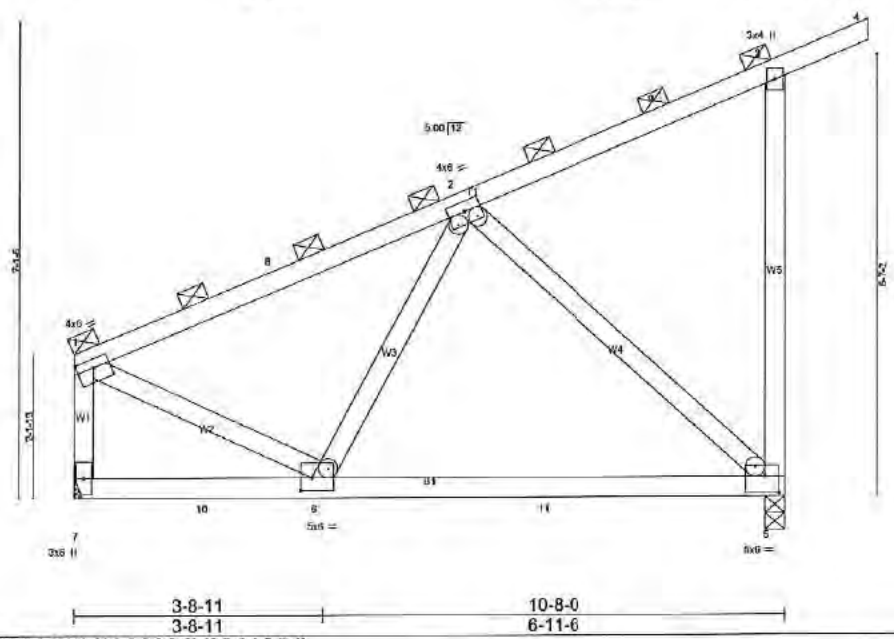

Plate Offsets (X,Y)-- [1:0-3-0,0-1-8], [2:0-3-0,0-1-12], [5:0-2-8,0-3-0], [6:0-2-1,0-2-4]

LOADING (psf)	SPACING- 3-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.87	Vert(LL) -0.18 5-6 >679 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.64	Vert(CT) -0.32 5-6 >386 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.90	Horz(CT) 0.02 5 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 61 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
2-0-0 oc purlins (3-10-9 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD
Rigid ceiling directly applied or 3-5-15 oc bracing.

REACTIONS. (lb/size)
7 = 690/Mechanical
5 = 866/0-3-8 (min. 0-1-8)
Max Horz
7 = 513(LC 30)
Max Uplift
7 = -1582(LC 35)
5 = -653(LC 36)
Max Grav
7 = 1966(LC 46)
5 = 942(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-8=-2167/1742, 2-8=-1295/958, 2-9=-1482/1344, 3-9=-572/585,
3-5=-366/195, 1-7=-1942/1584
BOT CHORD
7-10=-3091/1358, 6-10=-3091/3018, 6-11=-768/1046, 5-11=-768/1046
WEBS
2-6=-1007/1064, 2-5=-1267/919, 1-6=-1759/2204

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0 for 1333.3 plf.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

[redacted]

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AJ06	MONOPITCH	5	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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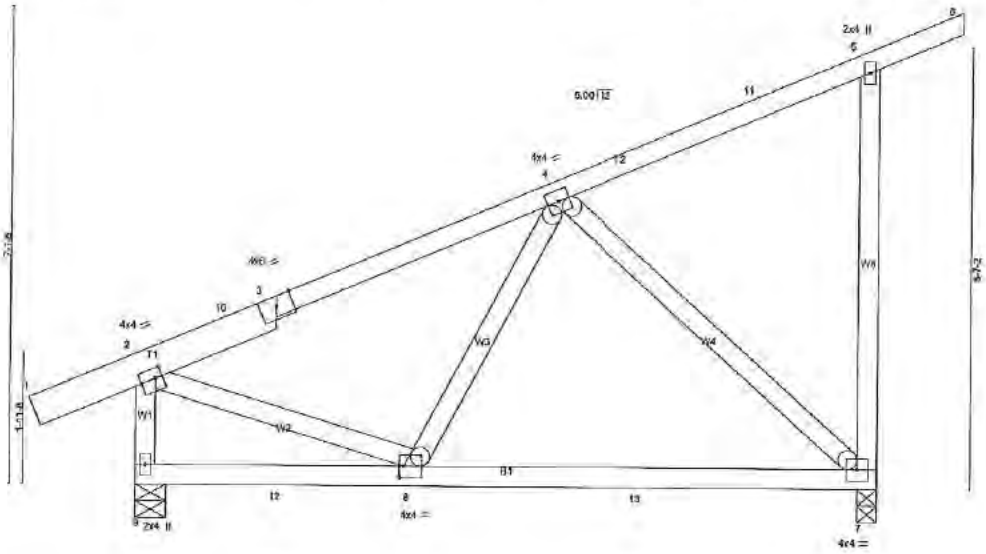
-1-5-2 / 1-5-2 | 6-4-4 / 6-4-4 | 10-10-0 / 4-5-12 | 11-1-8 / 12-4-8 / 0-3-8 / 1-3-0



4-2-2 / 4-2-2 | 11-1-8 / 6-11-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.55	Vert(LL) -0.19 7-8 >694 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.50	Vert(CT) -0.28 7-8 >466 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.30	Horz(CT) 0.01 7 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 68 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
9 = 613/0-5-8 (min. 0-1-8)
7 = 588/0-3-8 (min. 0-1-8)
Max Horz
9 = 276(LC 9)
Max Uplift
9 = -43(LC 12)
7 = -122(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-10=-457/0, 3-10=-430/5, 3-4=-410/32, 2-9=-592/123
BOT CHORD
9-12=-373/326, 8-12=-373/326, 8-13=-164/357, 7-13=-164/357
WEBS
4-7=-428/139, 2-8=0/369

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-3 to 1-5-13, Interior(1) 1-5-13 to 12-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AJ07	GABLE	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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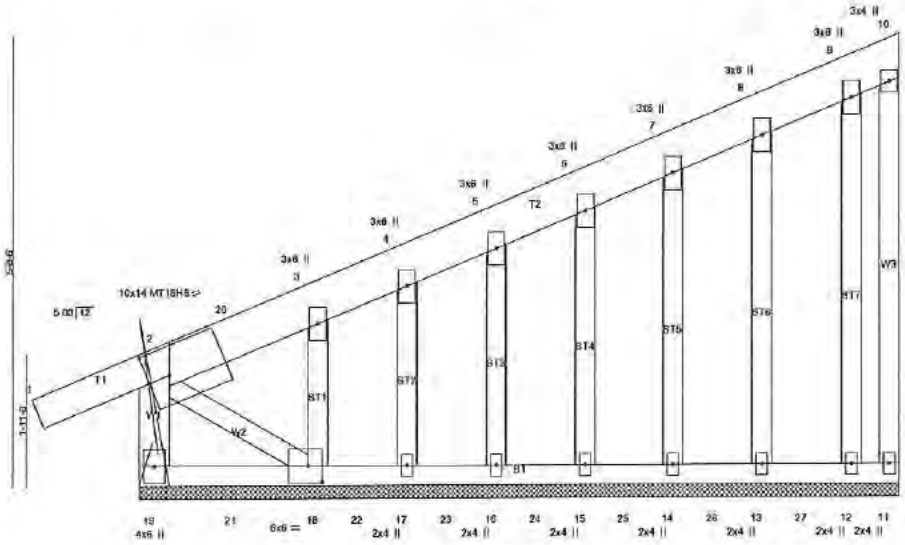
Scale = 1:33.7



11-4-8 / 11-4-8

Plate Offsets (X,Y)-- [2:0-3-14,0-5-0], [18:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.00	1	n/r	180	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.01	1	n/r	120	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	-0.02	11	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-SH		Wind(LL)	-0.00	1-2	n/r	120	Weight: 104 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x8 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x6 DF No.2 G *Except*
W3: 2x4 DF Stud/Std G, W2: 2x4 DF No.2 G
OTHERS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-1-1 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 4-2-14 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 11-4-8.
(lb) - Max Horz
19= 310(LC 29)
Max Uplift
All uplift 100 lb or less at joint(s) 17, 16, 15, 14, 13 except
11=-117(LC 34), 19=-2856(LC 27), 18=-1885(LC 30), 12=-100(LC 35)
Max Grav
All reactions 250 lb or less at joint(s) except 11=265(LC 67),
19=3101(LC 34), 18=1840(LC 47), 17=311(LC 61), 16=319(LC 62),
15=317(LC 63), 14=319(LC 64), 13=317(LC 65), 12=294(LC 58)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-20=-3161/3001, 3-20=-2939/2794, 3-4=-2558/2433, 4-5=-2204/2095,
5-6=-1815/1723, 6-7=-1425/1352, 7-8=-1026/979, 8-9=-598/567,
2-19=-3149/2914
BOT CHORD
19-21=-896/789, 18-21=-591/365, 18-22=-2217/2197, 17-22=-2050/2062,
17-23=-1850/1895, 16-23=-1717/1595, 16-24=-1550/1562,
15-24=-1366/1364, 15-25=-1217/1228, 14-25=-991/1051, 14-26=-883/895,
13-26=-691/633, 13-27=-550/562, 12-27=-269/309
WEBS
2-18=-3054/3221

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-6-3 to 1-5-13, Exterior(2) 1-5-13 to 11-2-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are MT20 plates unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-4-8 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AK01	GABLE	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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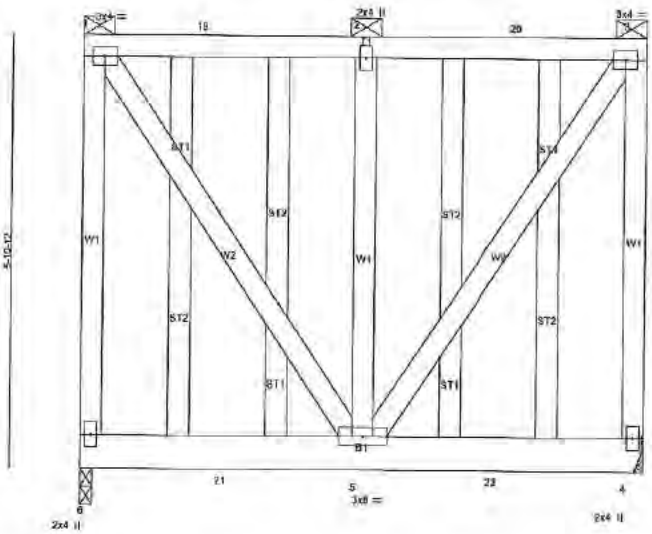
3-10-4 | 7-5-0 | 7-8-8
3-10-4 | 3-6-12 | 0-3-8

Scale = 1:30.3



3-10-4 | 7-8-8
3-10-4 | 3-10-4

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.22	Vert(LL) -0.01 5-6 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.09	Vert(CT) -0.02 4-5 >999 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.10	Horz(CT) -0.00 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 184 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
6-0-0 oc max: 1-3, except end verticals. Except:
6-0-0 oc bracing: 1-3
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
6 = 654/0-2-0 (min. 0-1-8)
4 = 654/Mechanical
Max Horz
6 = -193(LC 4)
Max Uplift
6 = -138(LC 4)
4 = -138(LC 5)
Max Grav
6 = 755(LC 21)
4 = 755(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-6=-498/140, 1-19=-285/33, 2-19=-285/33, 2-20=-285/33, 3-20=-285/33, 3-4=-498/140
WEBS
1-5=-134/511, 2-5=-337/94, 3-5=-134/511

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
5) Provide adequate drainage to prevent water ponding.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
14) Girder carries tie-in span(s): 5-11-8 from 0-0-0 to 7-8-8
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-74, 4-6=-102(F=-88)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AL01	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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3-5-12 0-3-8

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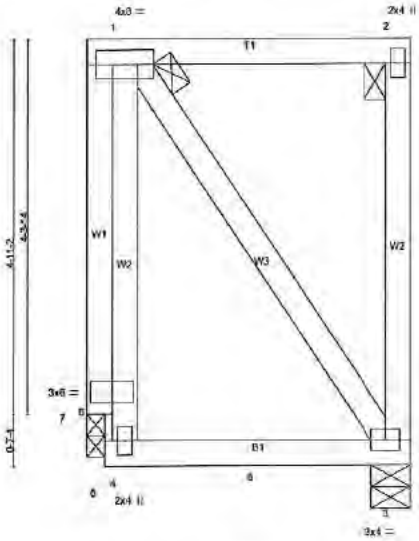

3-9-4
3-9-4

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.45	Vert(LL)	-0.03	3-4	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.26	Vert(CT)	-0.04	3-4	>955	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT)	-0.01	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
10-0-0 oc max: 1-2, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
3 = 157/0-5-8 (min. 0-1-8)
7 = 133/0-2-8 (min. 0-1-8)
Max Horz
7 = 125(LC 11)
Max Uplift
3 = -56(LC 9)
7 = -62(LC 6)
Max Grav
3 = 337(LC 27)
7 = 318(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-6=0/297, 1-6=0/297
WEBS
1-7=-319/139

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AL02	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:56:18 2019 Page 1
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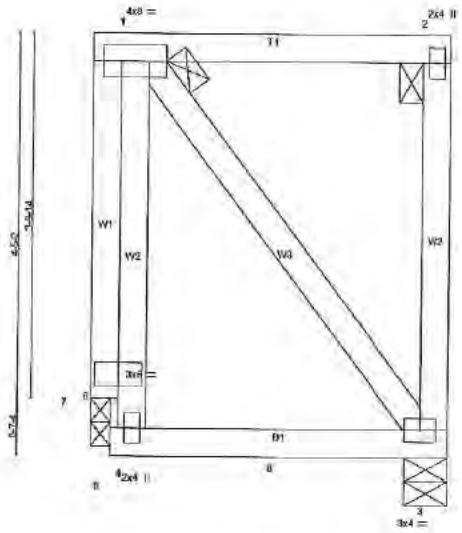

3-9-4
3-9-4

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.35	Vert(LL) -0.03 3-4 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.26	Vert(CT) -0.04 3-4 >959 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT) -0.01 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 32 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
10-0-0 oc max: 1-2, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
3 = 157/0-5-8 (min. 0-1-8)
7 = 133/0-2-8 (min. 0-1-8)
Max Horz
7 = 112(LC 11)
Max Uplift
3 = -47(LC 9)
7 = -51(LC 8)
Max Grav
3 = 337(LC 27)
7 = 318(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-6=0/297, 1-6=0/297
WEBS
1-7=-320/117

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AL03	FLAT	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:19 2019 Page 1
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3-5-12 0-3-8

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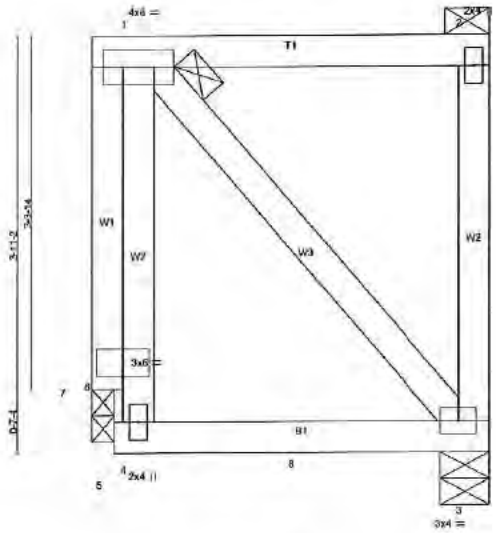

3-9-4
3-9-4

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.27	Vert(LL) -0.03 3-4 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.26	Vert(CT) -0.04 3-4 >962 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.16	Horz(CT) -0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 29 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
10-0-0 oc max: 1-2, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
3 = 157/0-5-8 (min. 0-1-8)
7 = 133/0-2-8 (min. 0-1-8)
Max Horz
7 = 99(LC 11)
Max Uplift
3 = -40(LC 9)
7 = -41(LC 8)
Max Grav
3 = 337(LC 27)
7 = 318(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-6=0/297, 1-6=0/297
WEBS
1-7=-320/99

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 151
M29679 CHESTNUT SQUARE	AL04	FLAT	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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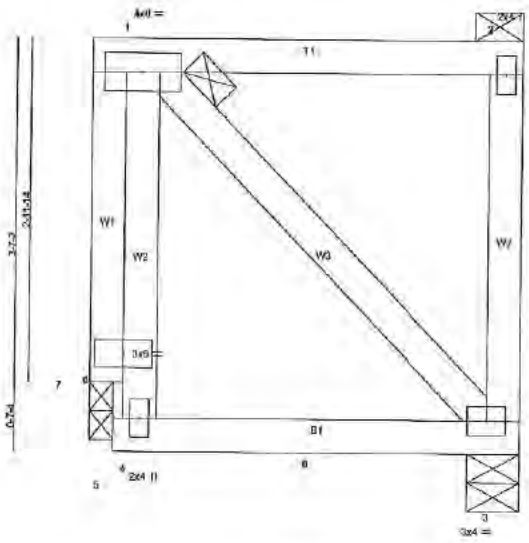
3-5-12 0-3-8



3-9-4
3-9-4

LOADING (psf)		SPACING-	3-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.03	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.05	3-4	>873	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.01	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 27 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
3 = 236/0-5-8 (min. 0-1-8)
7 = 200/0-2-8 (min. 0-1-8)
Max Horz
7 = 135(LC 11)
Max Uplift
3 = -53(LC 9)
7 = -53(LC 8)
Max Grav
3 = 381(LC 27)
7 = 356(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-6=0/312, 1-6=0/312
WEBS
1-7=-359/130

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 152
M29679 CHESTNUT SQUARE	AM01	FLAT GIRDER	1	2	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:20 2019 Page 1
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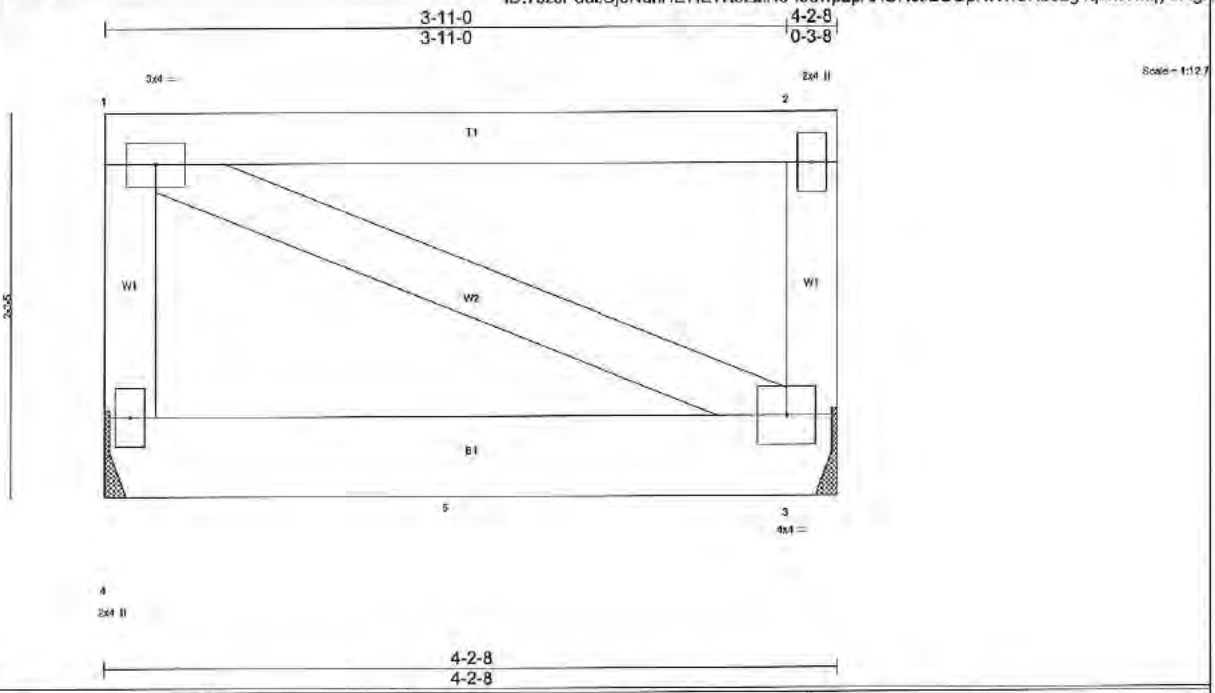

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	-0.02	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.05	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 48 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-2-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
4 = 744/Mechanical
3 = 744/Mechanical
Max Horz
4 = 64(LC 5)
Max Uplift
4 = -82(LC 4)
3 = -82(LC 5)
Max Grav
4 = 915(LC 20)
3 = 915(LC 21)

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

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) Girder carries tie-in span(s): 15-0-0 from 0-0-0 to 4-2-8

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-74, 3-4=-306(F=-290)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AN01	MONO CAL HIP	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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4-4-0 | 3-1-0 | 0-3-8

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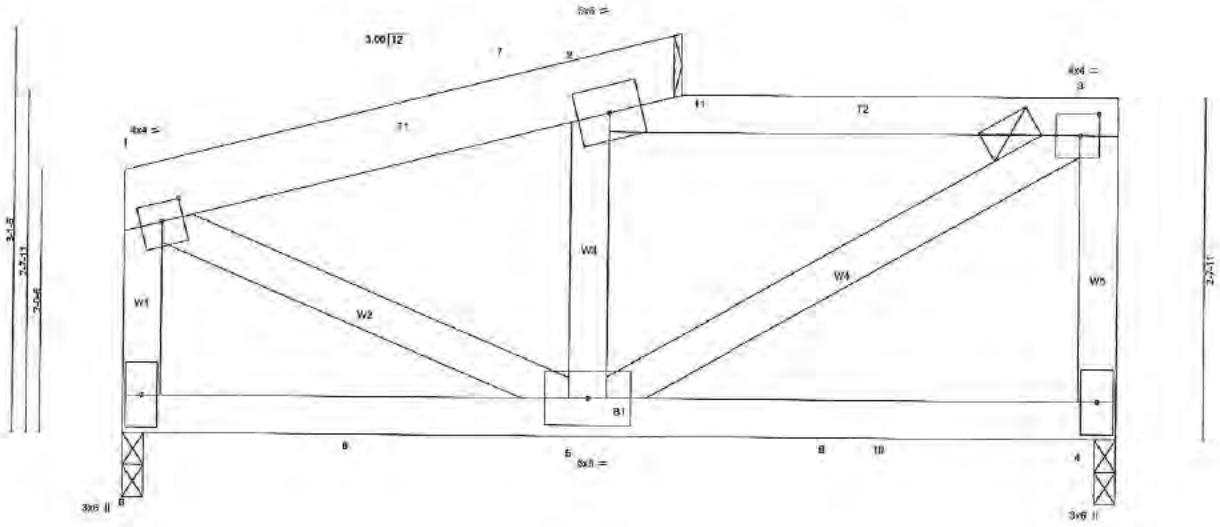

7-8-8
7-8-8

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.42	Vert(LL) -0.05 4-5 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.27	Vert(CT) -0.06 4-5 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.64	Horz(CT) -0.00 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 43 lb FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 0-0-0 oc purlins (5-4-4 max.): 2-5, 2-3.
BOT CHORD
Rigid ceiling directly applied or 5-1-3 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
6 = 334/0-2-0 (min. 0-1-8)
4 = 334/0-2-0 (min. 0-1-8)
Max Horz
6 = 82(LC 29)
Max Uplift
6 = -1006(LC 27)
4 = -799(LC 30)
Max Grav
6 = 1173(LC 48)
4 = 947(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-1473/1320, 2-7=-521/401, 2-11=-363/245, 3-11=-1254/1129, 1-6=-1206/1070
BOT CHORD
6-8=-528/589, 5-8=-1541/1517, 5-9=-1047/1047
WEBS
3-4=-985/880, 3-5=-1463/1609, 1-5=-1502/1668

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-7-4, Exterior(2) 3-7-4 to 7-6-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6, 4.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) This truss has been designed for a total drag load of 340 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 6-0-0 for 436.8 plf.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	AP01	Flat Girder	1	2	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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3-7-0 0-3-8

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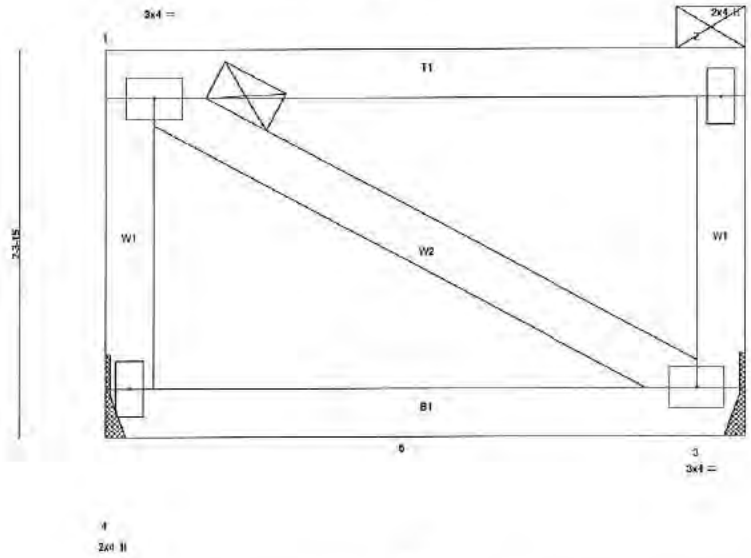

3-10-8
3-10-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.02	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.03	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
10-0-0 oc max: 1-2, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
4 = 161/Mechanical
3 = 161/Mechanical
Max Horz
4 = -71(LC 6)
Max Uplift
4 = -40(LC 4)
3 = -40(LC 5)
Max Grav
4 = 340(LC 20)
3 = 340(LC 21)

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

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	BP01	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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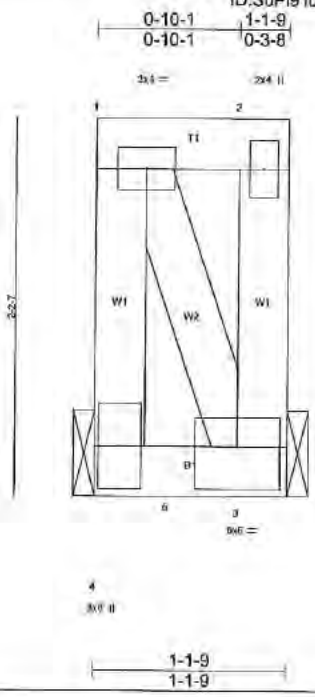

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.27	Vert(LL) -0.00 4 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.05	Vert(CT) -0.00 4 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.26	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 10 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 38/Mechanical
3 = 38/Mechanical
Max Horz
4 = 67(LC 29)
Max Uplift
4 = -559(LC 27)
3 = -559(LC 30)
Max Grav
4 = 564(LC 34)
3 = 564(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-597/594
BOT CHORD
3-5=-272/275
WEBS
1-3=-671/671

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-1-9 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	BP02	BLOCKING	12	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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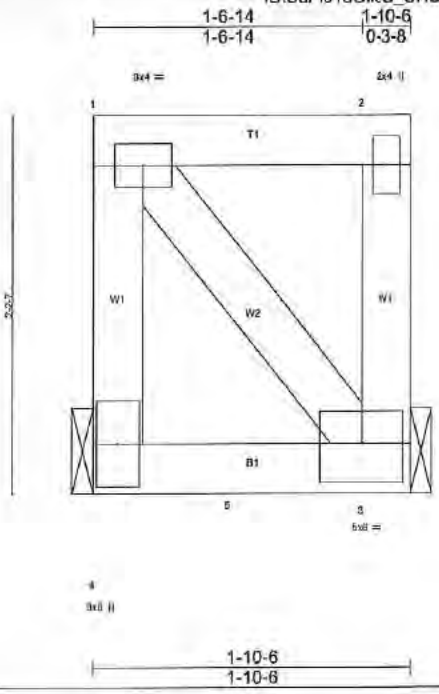

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = -67(LC 8)
Max Uplift
4 = -527(LC 27)
3 = -527(LC 30)
Max Grav
4 = 537(LC 34)
3 = 537(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-524/535, 1-2=-379/380
BOT CHORD
4-5=-280/283, 3-5=-437/440
WEBS
1-3=-713/713

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 157
M29679 CHESTNUT SQUARE	BP03	BLOCKING	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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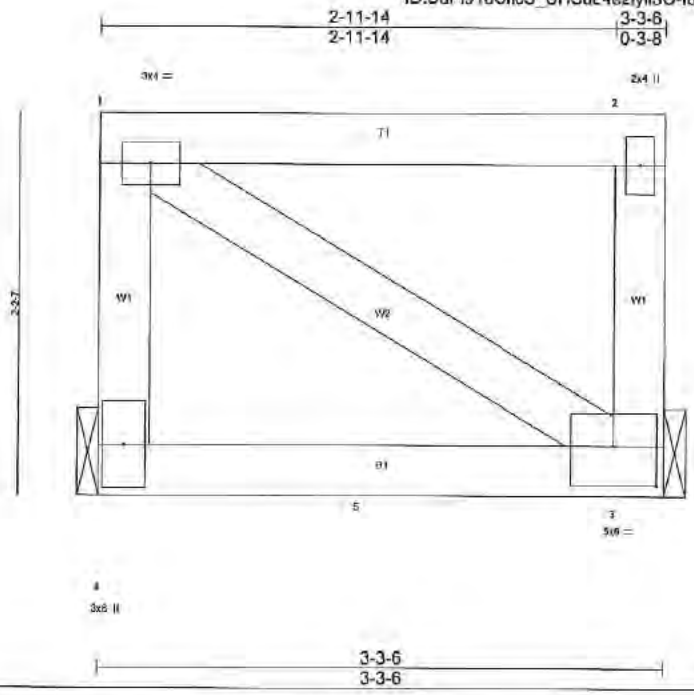

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.03	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.03	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 18 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-3-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 135/Mechanical
3 = 135/Mechanical
Max Horz
4 = 67(LC 33)
Max Uplift
4 = -516(LC 27)
3 = -516(LC 30)
Max Grav
4 = 553(LC 48)
3 = 553(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-529/530, 1-2=-697/699
BOT CHORD
4-5=-457/460, 3-5=-756/759
WEBS
1-3=-958/958

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 3-3-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 158
M29679 CHESTNUT SQUARE	BP04	BLOCKING	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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1-5-6 1,8-14
1-5-6 0-3-8

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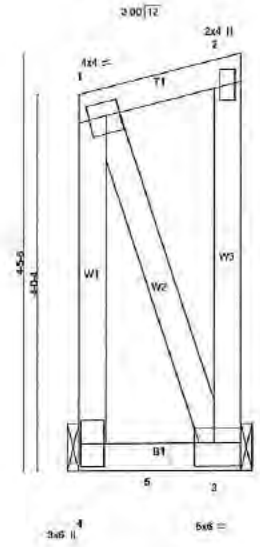

1-8-14
1-8-14

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.82	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.10	Vert(CT)	-0.00	3-4	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.54	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-8-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 65/Mechanical
3 = 65/Mechanical
Max Horz
4 = 146(LC 11)
Max Uplift
4 = -1192(LC 27)
3 = -1148(LC 30)
Max Grav
4 = 1267(LC 34)
3 = 1111(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-401/393, 1-4=-1388/1345
BOT CHORD
4-5=-374/368, 3-5=-519/513
WEBS
1-3=-1370/1405

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 159
M29679 CHESTNUT SQUARE	BP05	BLOCKING	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA, 92570

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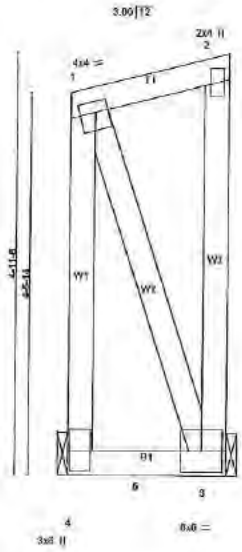
1-6-14 1-10-6
1-6-14 0-3-8



1-10-6
1-10-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.97	Vert(LL) -0.00 3-4 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT) -0.00 3-4 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.61	Horz(CT) -0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 22 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = 163(LC 33)
Max Uplift
4 = -1344(LC 27)
3 = -1298(LC 30)
Max Grav
4 = 1427(LC 34)
3 = 1255(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-437/429, 1-4=-1571/1523
BOT CHORD
4-5=-413/406, 3-5=-570/563
WEBS
1-3=-1547/1586

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	BP06	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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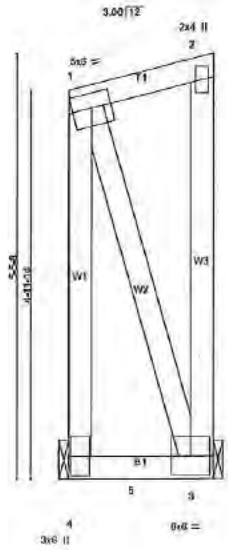
1-6-14 0-3-8



1-10-6
1-10-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W1: 2x4 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = 181(LC 11)
Max Uplift
4 = -1516(LC 27)
3 = -1478(LC 30)
Max Grav
4 = 1607(LC 34)
3 = 1428(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-443/436, 1-4=-1795/1743
BOT CHORD
4-5=-434/429, 3-5=-592/586
WEBS
1-3=-1759/1801

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MM8
M29679 CHESTNUT SQUARE	BP07	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:29 2019 Page 1
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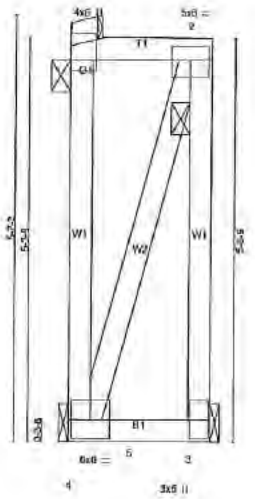

1-10-6
1-10-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.71	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT)	-0.00	3-4	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.89	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF No.2 G *Except*
W2: 2x4 DF Stud/Std G
OTHERS 2x4 DF No.2 G

BRACING-
TOP CHORD
6-0-0 oc max: 1-2, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
3 = 71/Mechanical
4 = 71/Mechanical
Max Horz
4 = -180(LC 31)
Max Uplift
3 = -1567(LC 30)
4 = -1543(LC 27)
Max Grav
3 = 1615(LC 31)
4 = 1540(LC 34)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-448/449, 2-3=-1836/1812
BOT CHORD
4-5=-419/423, 3-5=-262/265
WEBS
2-4=-1816/1838

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	BP08	BLOCKING	10	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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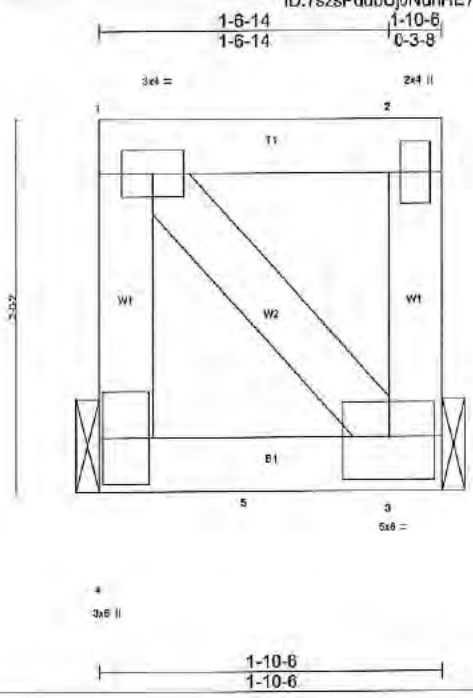

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = -60(LC 10)
Max Uplift
4 = -471(LC 27)
3 = -471(LC 30)
Max Grav
4 = 481(LC 34)
3 = 481(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-468/479, 1-2=-376/378
BOT CHORD
4-5=-271/274, 3-5=-429/431
WEBS
1-3=-662/662

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 163
M29679 CHESTNUT SQUARE	BP09	BLOCKING	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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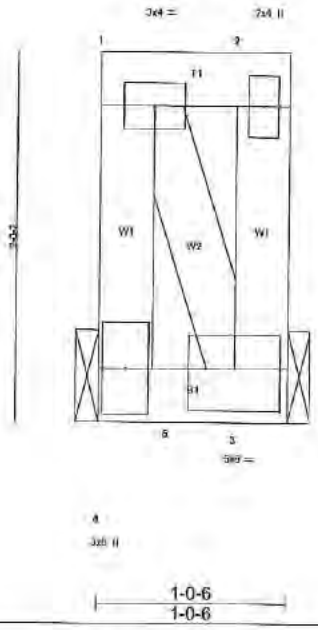
0-8-14 0-3-8



1-0-6
1-0-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.24	Vert(LL)	-0.00	4	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.05	Vert(CT)	-0.00	4	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.23	Horz(CT)	0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 9 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-0-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 33/Mechanical
3 = 33/Mechanical
Max Horz
4 = -60(LC 32)
Max Uplift
4 = -504(LC 27)
3 = -504(LC 30)
Max Grav
4 = 508(LC 34)
3 = 508(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD
1-4=-539/537
WEBS
1-3=-604/604

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-0-6 for 250.1 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	BP10	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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1-6-14 1-10-6
1-6-14 0-3-8

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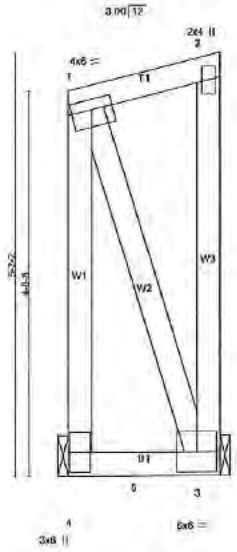

1-10-6
1-10-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 23 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W1: 2x4 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = 171(LC 9)
Max Uplift
4 = -1418(LC 27)
3 = -1376(LC 30)
Max Grav
4 = 1505(LC 34)
3 = 1330(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-440/432, 1-4=-1668/1618
BOT CHORD
4-5=-422/416, 3-5=-580/573
WEBS
1-3=-1638/1679

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 165
M29679 CHESTNUT SQUARE	BP11	BLOCKING	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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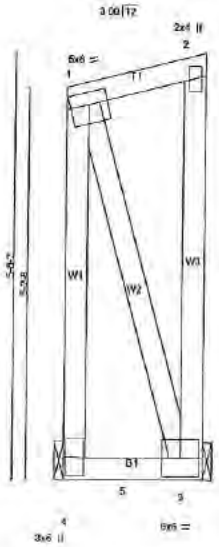
1-6-14 1-10-6
1-6-14 0-3-8



1-10-6
1-10-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.80	Vert(LL) -0.00 3-4 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT) -0.00 3-4 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.90	Horz(CT) -0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 25 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W1: 2x4 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = 188(LC 9)
Max Uplift
4 = -1593(LC 27)
3 = -1558(LC 30)
Max Grav
4 = 1687(LC 34)
3 = 1505(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-446/439, 1-4=-1896/1842
BOT CHORD
4-5=-444/439, 3-5=-601/596
WEBS
1-3=-1855/1899

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	BP12	Blocking	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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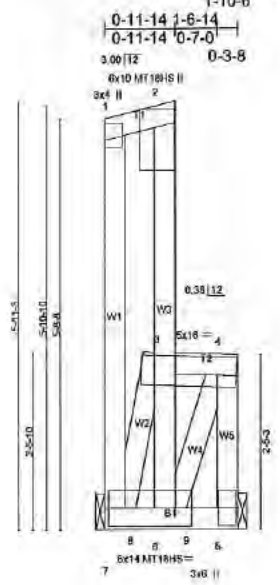

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [3:0-0-1,0-1-12], [4:0-3-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.00	6	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.00	6	>999	180	MT18HS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.00	5	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 28 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W3,W1: 2x4 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
5 = 71/Mechanical
7 = 71/Mechanical
Max Horz
7 = -239(LC 10)
Max Uplift
5 = -1051(LC 30)
7 = -1793(LC 31)
Max Grav
5 = 1177(LC 31)
7 = 1710(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
3-6=-454/454, 2-3=-551/647, 3-4=-592/607, 4-5=-1405/1429,
1-7=-559/527
BOT CHORD
7-8=-401/412, 6-8=-314/325
WEBS
4-6=-835/840, 3-7=-1193/1181

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 0-10-2, Interior(1) 0-10-2 to 1-8-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Refer to girder(s) for truss to truss connections.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	BP13	Blocking	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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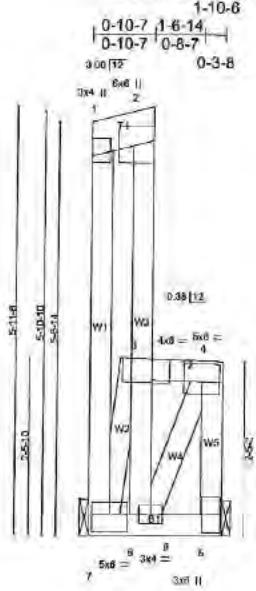

0-10-7, 1-10-6
0-10-7, 0-11-15

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.00	6	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.00	5	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MSH							Weight: 28 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W3,W1: 2x4 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
5 = 71/Mechanical
7 = 71/Mechanical
Max Horz
7 = -224(LC 31)
Max Uplift
5 = -1220(LC 30)
7 = -1601(LC 31)
Max Grav
5 = 1412(LC 31)
7 = 1452(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
3-6=-482/442, 2-3=-411/424, 3-4=-835/825, 4-5=-1601/1643,
1-7=-430/408
BOT CHORD
6-7=-249/287, 6-8=-272/275
WEBS
4-6=-867/939, 3-7=-959/1000

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 0-8-11, Interior(1) 0-8-11 to 1-8-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	BP14	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:36 2019 Page 1
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1-6-14 0-3-8

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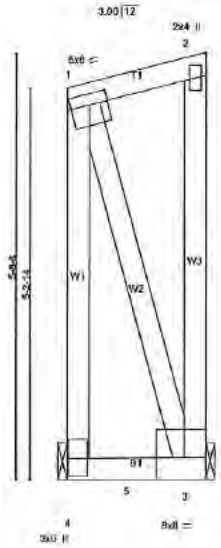

1-10-6
1-10-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W1: 2x4 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = 189(LC 33)
Max Uplift
4 = -1605(LC 27)
3 = -1569(LC 30)
Max Grav
4 = 1698(LC 34)
3 = 1516(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-447/440, 1-4=-1911/1857
BOT CHORD
4-5=-445/440, 3-5=-603/597
WEBS
1-3=-1869/1913

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 169
M29879 CHESTNUT SQUARE	BP15	BLOCKING	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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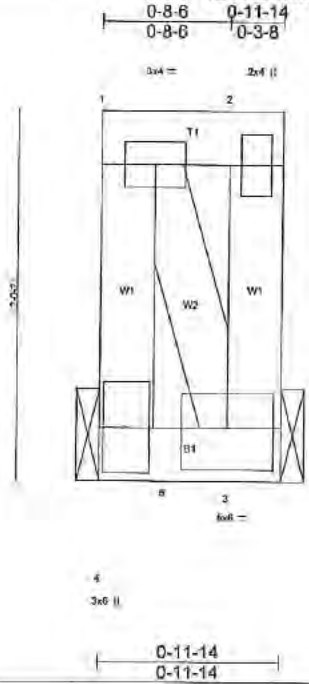

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.24	Vert(LL)	-0.00	4	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.05	Vert(CT)	-0.00	4	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.23	Horz(CT)	0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 9 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 0-11-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 8-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 31/Mechanical
3 = 31/Mechanical
Max Horz
4 = -60(LC 10)
Max Uplift
4 = -507(LC 27)
3 = -507(LC 30)
Max Grav
4 = 512(LC 34)
3 = 512(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-548/546
WEBS
1-3=-607/607

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 0-11-14 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	BP17	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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3-5-12 / 3-5-12 — 3-9-4 / 0-3-8

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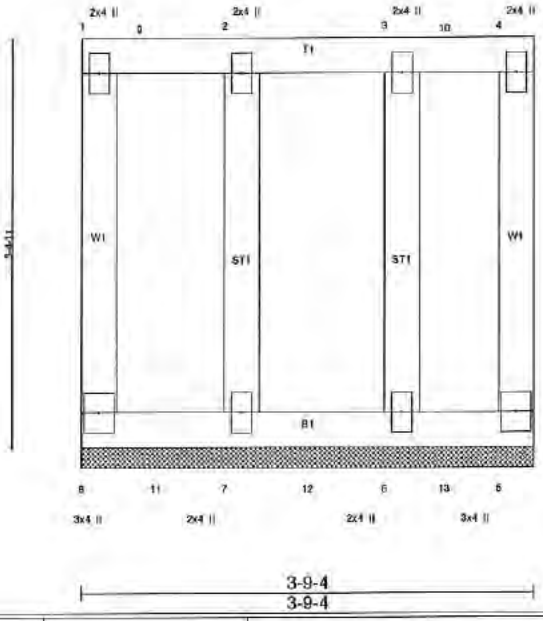

3-9-4 / 3-9-4

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-R							Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 3-9-4.
(lb) - Max Horz
8=-108(LC 8)
Max Uplift
All uplift 100 lb or less at joint(s) 8 except 5=-114(LC 9), 7=-131(LC 9), 6=-152(LC 8)
Max Grav
All reactions 250 lb or less at joint(s) except 8=274(LC 26), 5=269(LC 29), 7=320(LC 27), 6=311(LC 28)

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

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 3-7-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 171
M29679 CHESTNUT SQUARE	BP18	Blocking Supported	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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2-5-4 0-3-8

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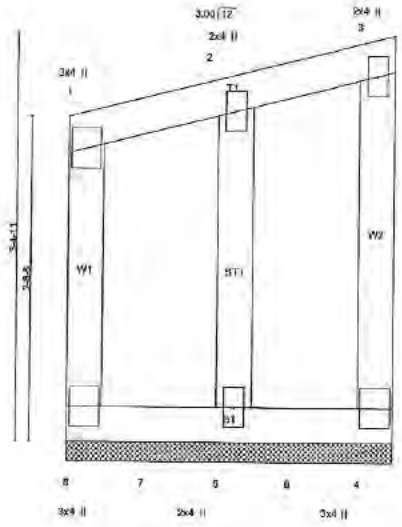

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-R							Weight: 18 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-8-12 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
6 = 48/2-8-12 (min. 0-1-8)
4 = 45/2-8-12 (min. 0-1-8)
5 = 126/2-8-12 (min. 0-1-8)
Max Horz
6 = 110(LC 11)
Max Uplift
6 = -42(LC 8)
4 = -51(LC 9)
5 = -31(LC 9)
Max Grav
6 = 276(LC 25)
4 = 275(LC 27)
5 = 321(LC 26)

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

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J01	JACK-OPEN	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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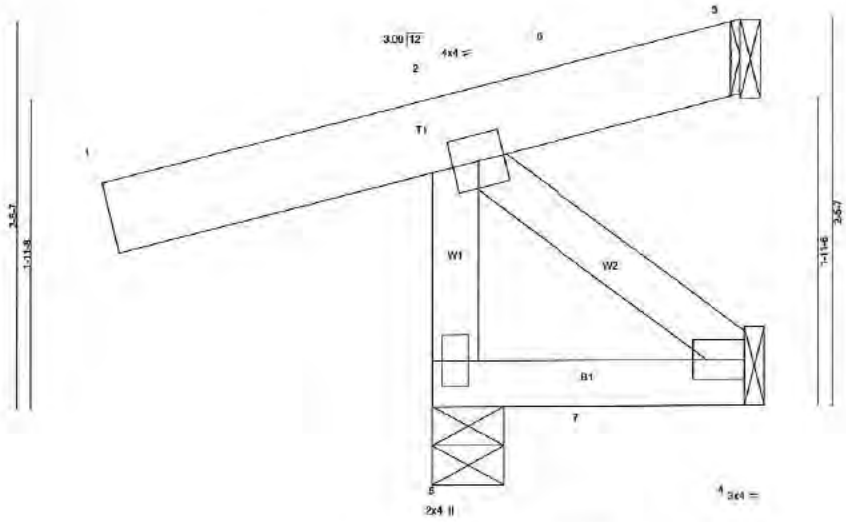

1-11-4 / 1-11-4 | 2-0-0 / 0-0-12

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.14	Vert(LL) -0.01 4-5 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.13	Vert(CT) -0.01 4-5 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) -0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 16 lb FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-11-11 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
3 = -32/Mechanical
5 = 344/0-5-8 (min. 0-1-8)
4 = 15/Mechanical
Max Horz
5 = 53(LC 9)
Max Uplift
3 = -32(LC 1)
5 = -100(LC 8)
4 = -23(LC 9)
Max Grav
3 = 27(LC 8)
5 = 416(LC 24)
4 = 265(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-5=-329/174

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 1-11-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J02	JACK-OPEN	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:41 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-BBwsDE3LErxduzlV7ka7kK14W3I56aQRmtzM66yOAfy

-2-0-0 | 1-8-8 | 2-0-0 | 3-11-11
2-0-0 | 1-8-8 | 0-3-8 | 1-11-11

Scale = 1:16.5

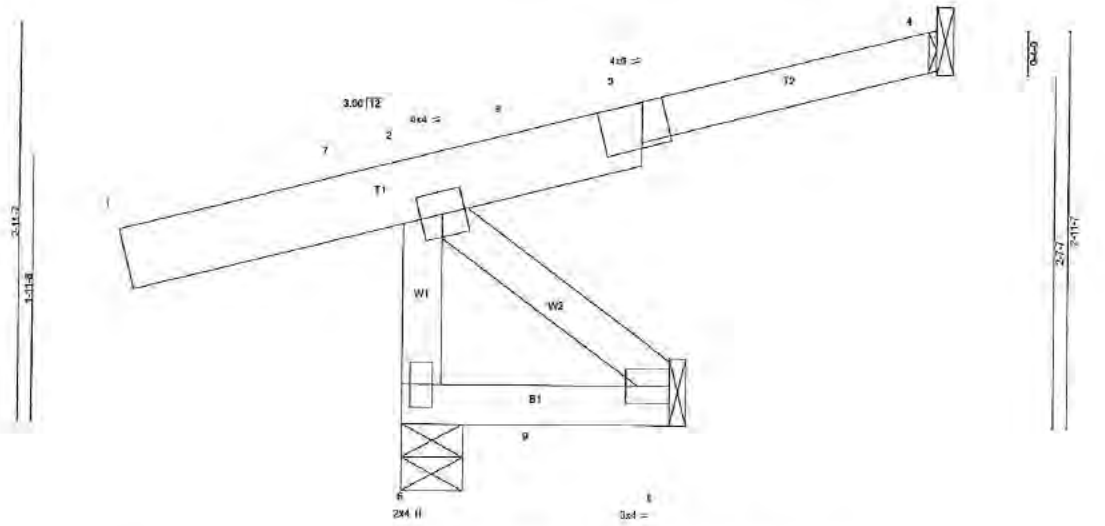

Plate Offsets (X,Y)-- [3:0-2-12,Edge], [5:Edge,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.13	Vert(LL) -0.01 5-6 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.13	Vert(CT) -0.01 5-6 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Horz(CT) -0.00 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 19 lb FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
6 = 365/0-5-8 (min. 0-1-8)
5 = 15/Mechanical
4 = 92/Mechanical
Max Horz
6 = 67(LC 9)
Max Uplift
6 = -74(LC 8)
5 = -38(LC 6)
4 = -33(LC 12)
Max Grav
6 = 426(LC 24)
5 = 265(LC 25)
4 = 92(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-6=-350/135

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 3-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J03	JACK-OPEN	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:42 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-fOUERa4z?93UW7thZR5EGYZ88Tdwq0Mb?XiveYyOAfx

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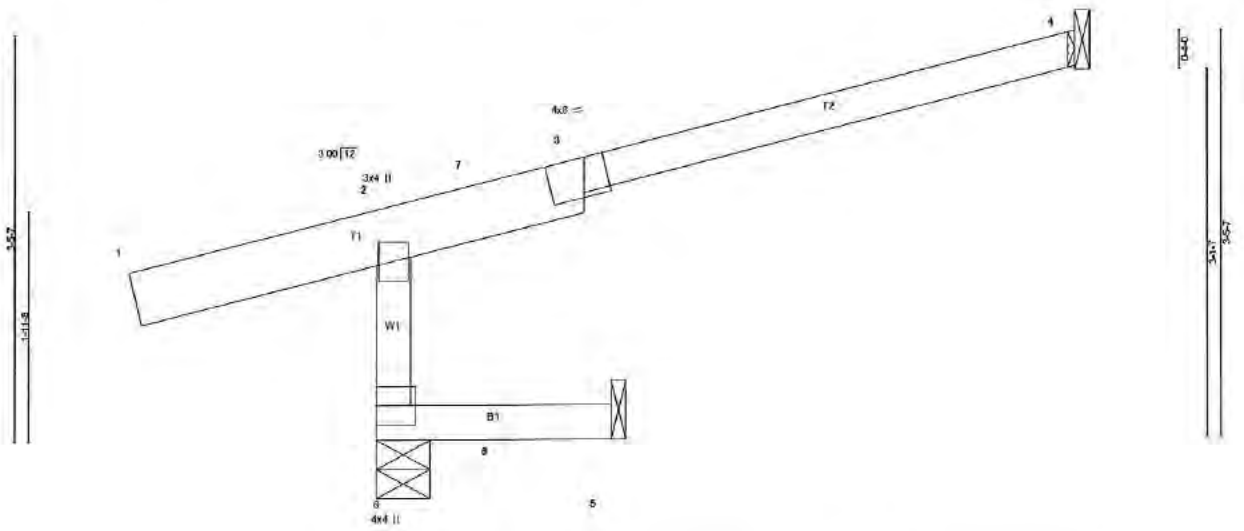

2-0-0 2-0-0 | 5-11-11 3-11-11

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.01	5-6	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.06	4	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MR							Weight: 19 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
6 = 394/0-5-8 (min. 0-1-8)
5 = 57/Mechanical
4 = 169/Mechanical
Max Horz
6 = 79(LC 9)
Max Uplift
6 = -81(LC 8)
5 = -39(LC 12)
4 = -62(LC 12)
Max Grav
6 = 439(LC 24)
5 = 284(LC 25)
4 = 169(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-6=-421/176

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-11 to 0-11-5, Interior(1) 0-11-5 to 5-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J04	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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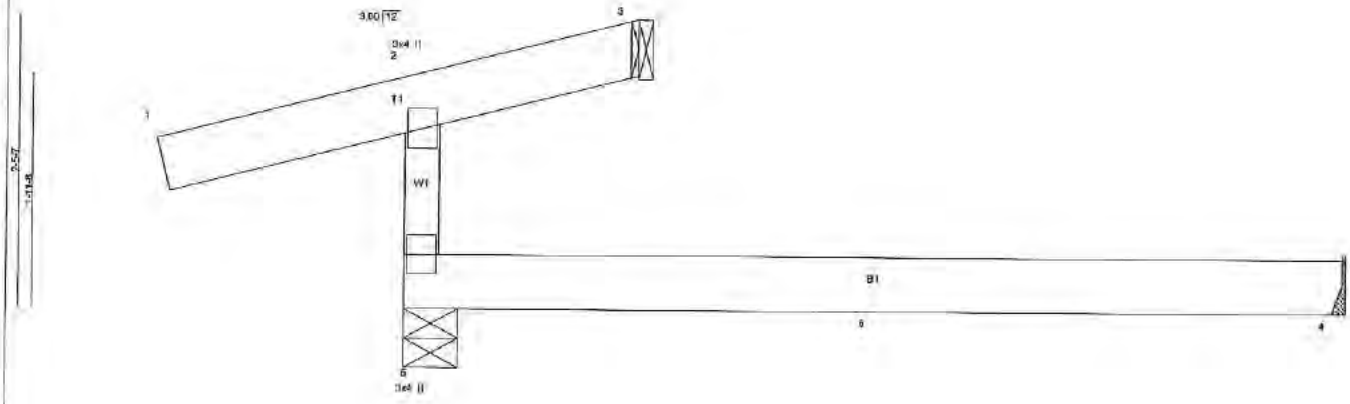
-2-0-0 / 2-0-0 | 1-8-3 / 1-8-3 | 1-11-11 / 0-3-8

Scale = 1:18.9
Camber = 1/16 in



4-0-13 / 4-0-13 | 8-0-0 / 3-11-3

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.11	4-5	>855	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.17	4-5	>535	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.05	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MR							Weight: 27 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-11-11 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
5 = 374/0-5-8 (min. 0-1-8)
4 = 57/Mechanical
3 = -9/Mechanical
Max Horz
5 = 51(LC 5)
Max Uplift
5 = -86(LC 4)
3 = -10(LC 5)
Max Grav
5 = 448(LC 20)
4 = 308(LC 21)
3 = 58(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-5=-308/127

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 176
M29679 CHESTNUT SQUARE	J04A	JACK-OPEN	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:43 2019 Page 1
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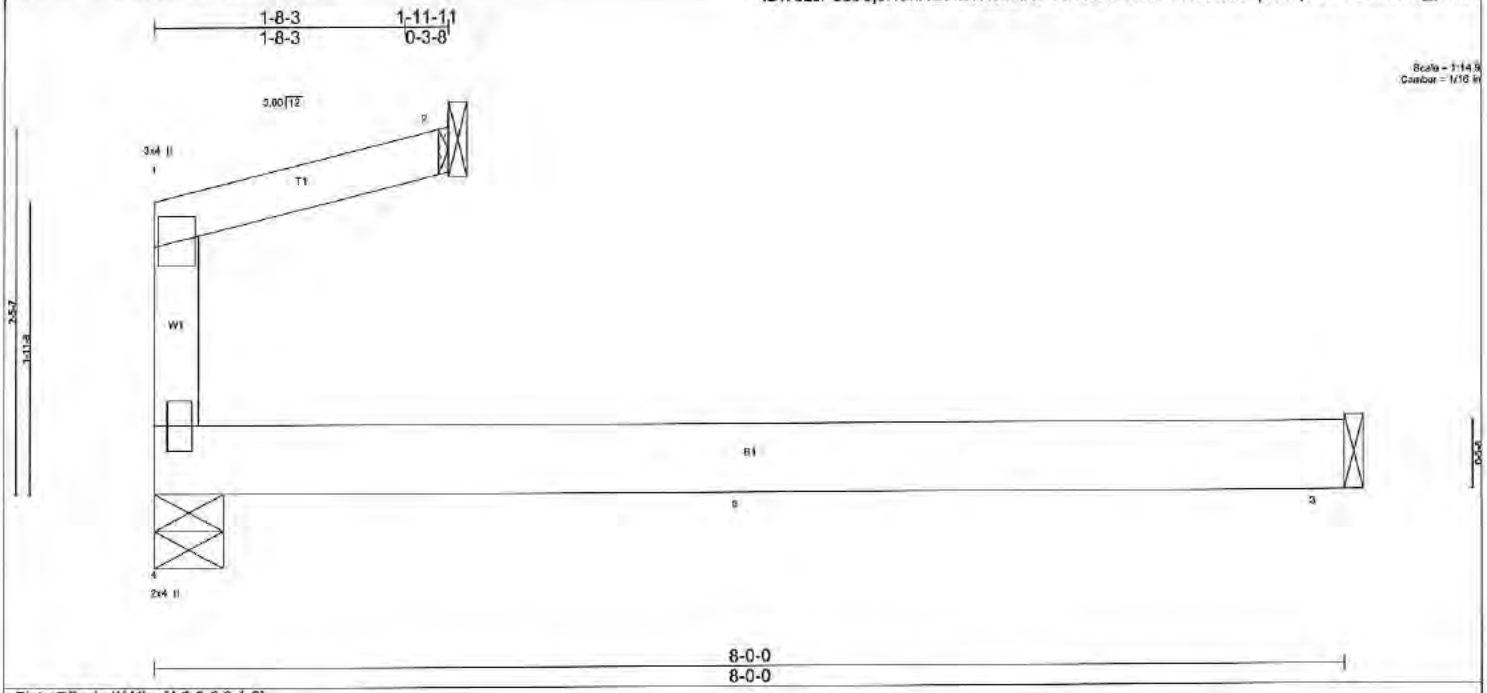

Plate Offsets (X,Y)-- [4:0-2-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.11	3-4	>830	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.18	3-4	>510	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.07	2	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MR							Weight: 22 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-11-11 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 121/0-5-8 (min. 0-1-8)
3 = 60/Mechanical
2 = 78/Mechanical
Max Horz
4 = 43(LC 9)
Max Uplift
2 = -15(LC 12)
Max Grav
4 = 333(LC 24)
3 = 309(LC 25)
2 = 86(LC 23)

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

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 177
M29879 CHESTNUT SQUARE	J05A	JACK	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:50:44 2019 Page 1
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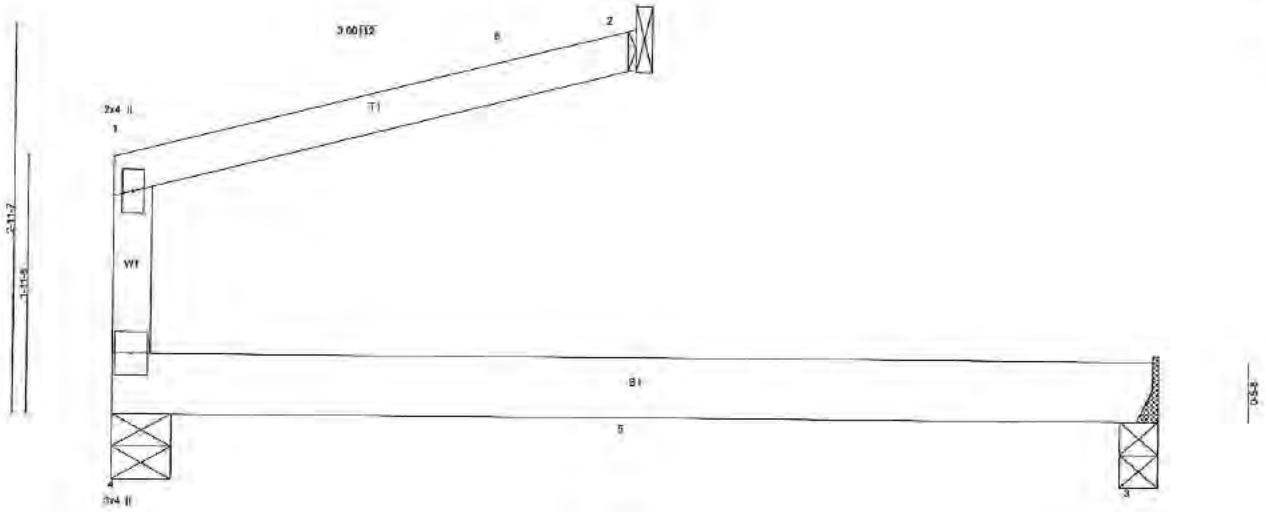
3-11-11
3-11-11

8-0-0
4-0-5

Scale = 1:18.9
Camber = 1/16 in



8-0-0
8-0-0

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.38	Vert(LL) -0.11 3-4 >815 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.34	Vert(CT) -0.19 3-4 >483 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.10 2 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MR		Weight: 24 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings Mechanical except (jt=length) 4=0-5-8, 2=0-1-8.
(lb) - Max Horz
4= 55(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 2
Max Grav
All reactions 250 lb or less at joint(s) 3, 2 except 4=376(LC 24),
3=312(LC 25)

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

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 2 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 at joint(s) 2.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 178
M29679 CHESTNUT SQUARE	J06A	JACK	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:45 2019 Page 1
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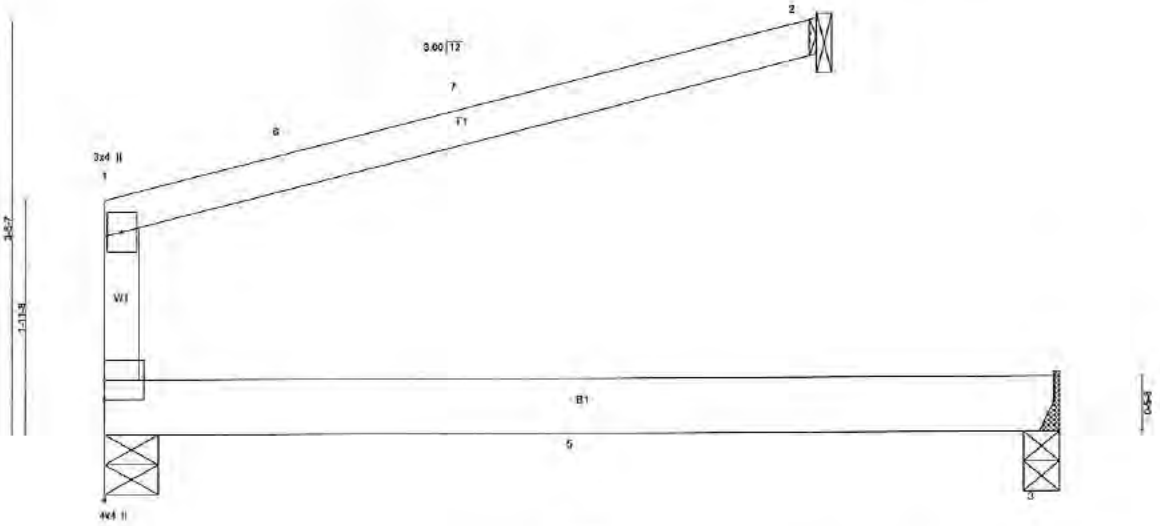
5-11-11
5-11-11

8-0-0
2-0-5

Scale = 1:16.6
Camber = 1/8 in



8-0-0
8-0-0

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.58	Vert(LL) -0.12 3-4 >802 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.36	Vert(CT) -0.21 3-4 >439 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.15 2 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MR		Weight: 27 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings Mechanical except (jt=length) 4=0-5-8, 2=0-1-8.
(lb) - Max Horz
4= 67(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 4, 2
Max Grav
All reactions 250 lb or less at joint(s) 3, 2 except 4=412(LC 24),
3=318(LC 25)

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

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 2 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 at joint(s) 2.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J08B	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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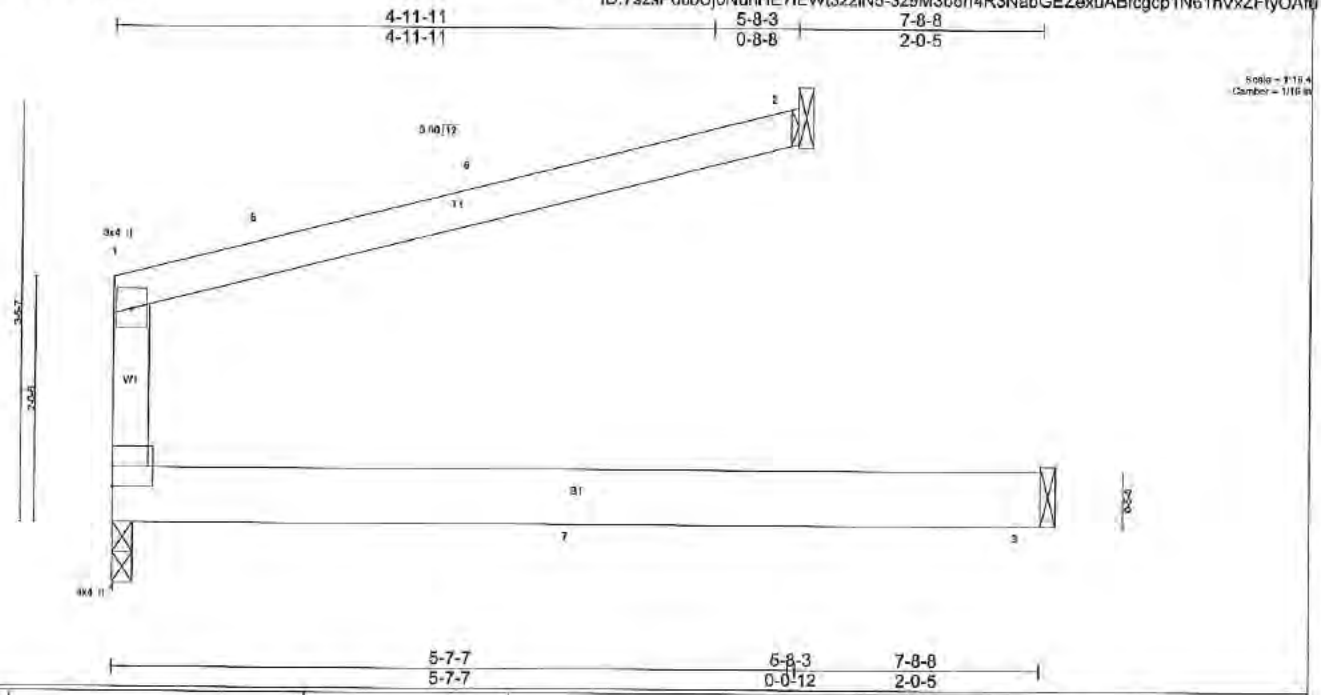

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.58	Vert(LL)	-0.10	3-4	>858	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.34	Vert(CT)	-0.19	3-4	>481	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.14	2	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MR						Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
2 = 184/Mechanical
4 = 268/0-2-0 (min. 0-1-8)
3 = 73/Mechanical
Max Horz
4 = 66(LC 9)
Max Uplift
2 = -59(LC 12)
4 = -6(LC 8)
Max Grav
2 = 184(LC 1)
4 = 405(LC 24)
3 = 315(LC 25)

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

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-7-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J07A	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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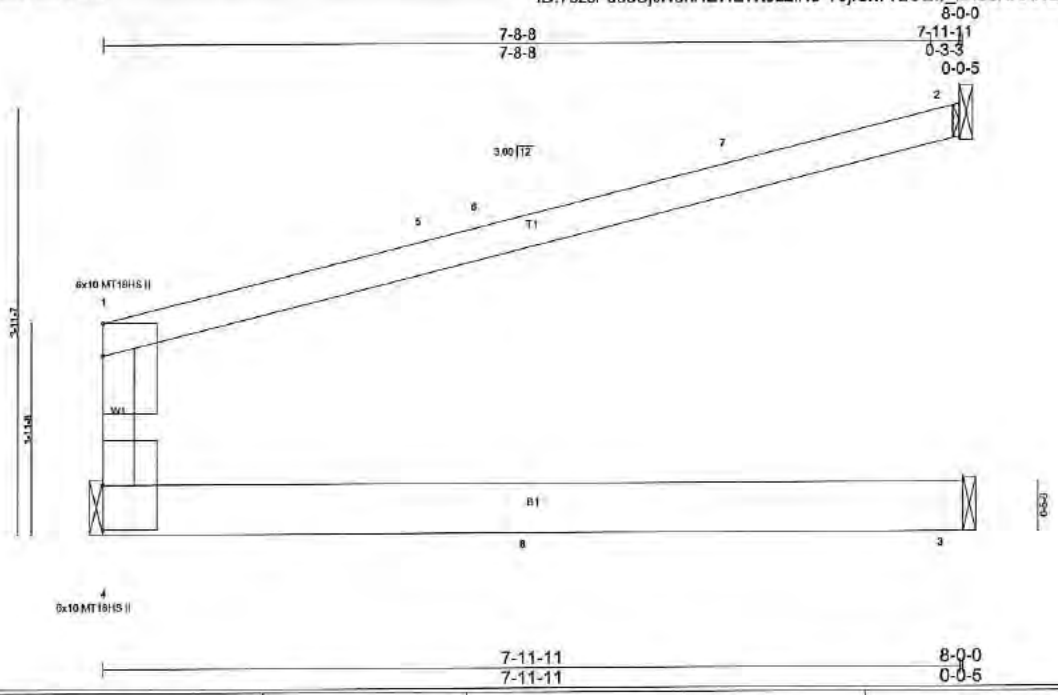

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.89	Vert(LL) -0.12 3-4 >791 240	MT18HS 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.38	Vert(CT) -0.25 3-4 >380 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.25 2 n/a n/a	Weight: 30 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MR		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
2 = 251/Mechanical
4 = 350/Mechanical
3 = 99/Mechanical
Max Horz
4 = 79(LC 9)
Max Uplift
2 = -79(LC 8)
4 = -21(LC 8)
Max Grav
2 = 251(LC 1)
4 = 444(LC 24)
3 = 328(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-324/107

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 7-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J07B	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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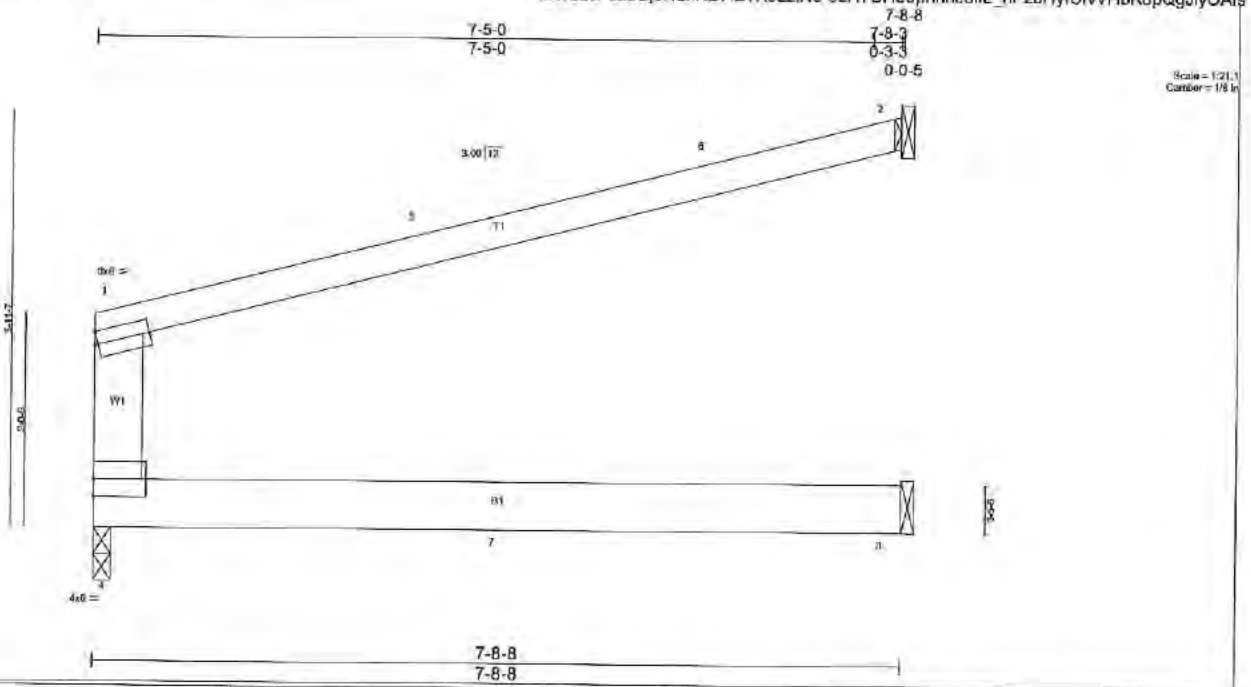

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.73	Vert(LL)	-0.10	3-4	>895	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.38	Vert(CT)	-0.22	3-4	>411	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.19	2	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MR						Weight: 30 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x6 DF No.2 G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
2 = 228/0-1-8 (min. 0-1-8)
4 = 333/0-2-0 (min. 0-1-8)
3 = 105/Mechanical
Max Horz
4 = 78(LC 9)
Max Uplift
2 = -71(LC 8)
4 = -19(LC 8)
Max Grav
2 = 228(LC 1)
4 = 435(LC 24)
3 = 329(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-319/110

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 7-7-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 2 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 at joint(s) 2, 4.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J08A	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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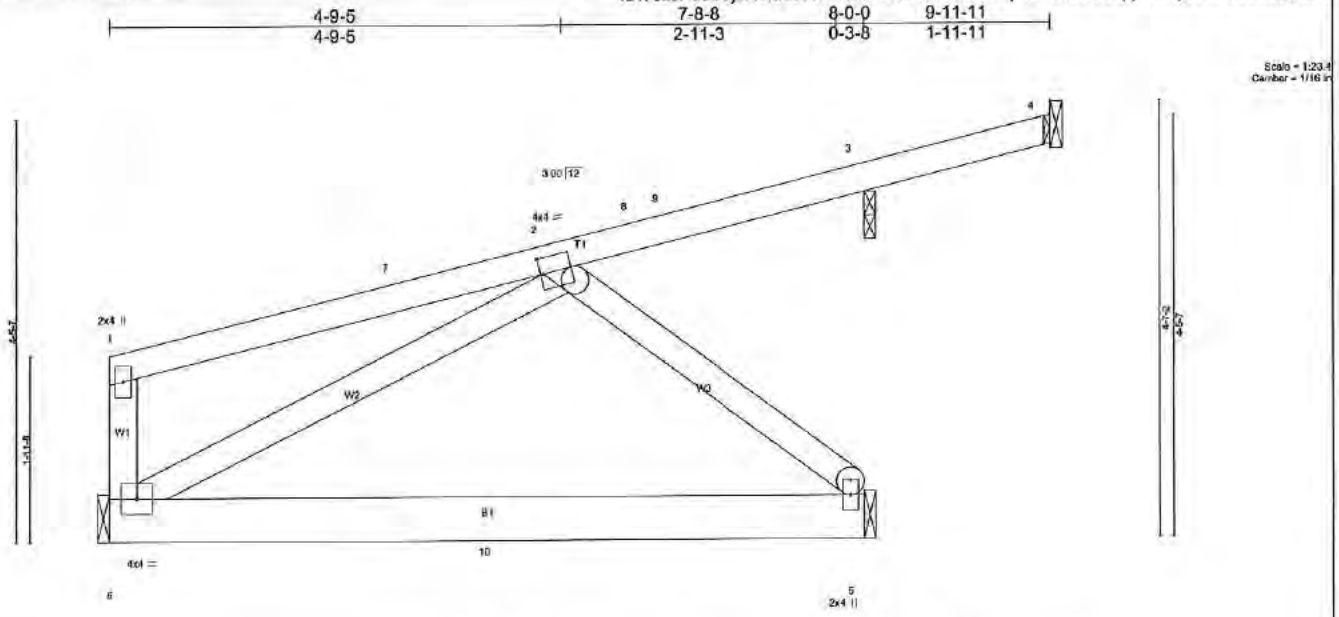

Plate Offsets (X,Y)-- [2:0-0-6,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.25	Vert(LL) -0.13 5-6 >719 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.37	Vert(CT) -0.21 5-6 >442 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT) 0.00 5 n/a n/a	Weight: 45 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings Mechanical except (jt=length) 4=0-1-8, 3=0-1-8.
(lb) - Max Horz
6= 91(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 4, 5, 6, 3
Max Grav
All reactions 250 lb or less at joint(s) 4, 3 except 5=412(LC 25),
6=447(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD
6-10=-104/257, 5-10=-104/257
WEBS
2-5=-335/136, 2-6=-300/28

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 4 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 at joint(s) 4, 3.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J08B	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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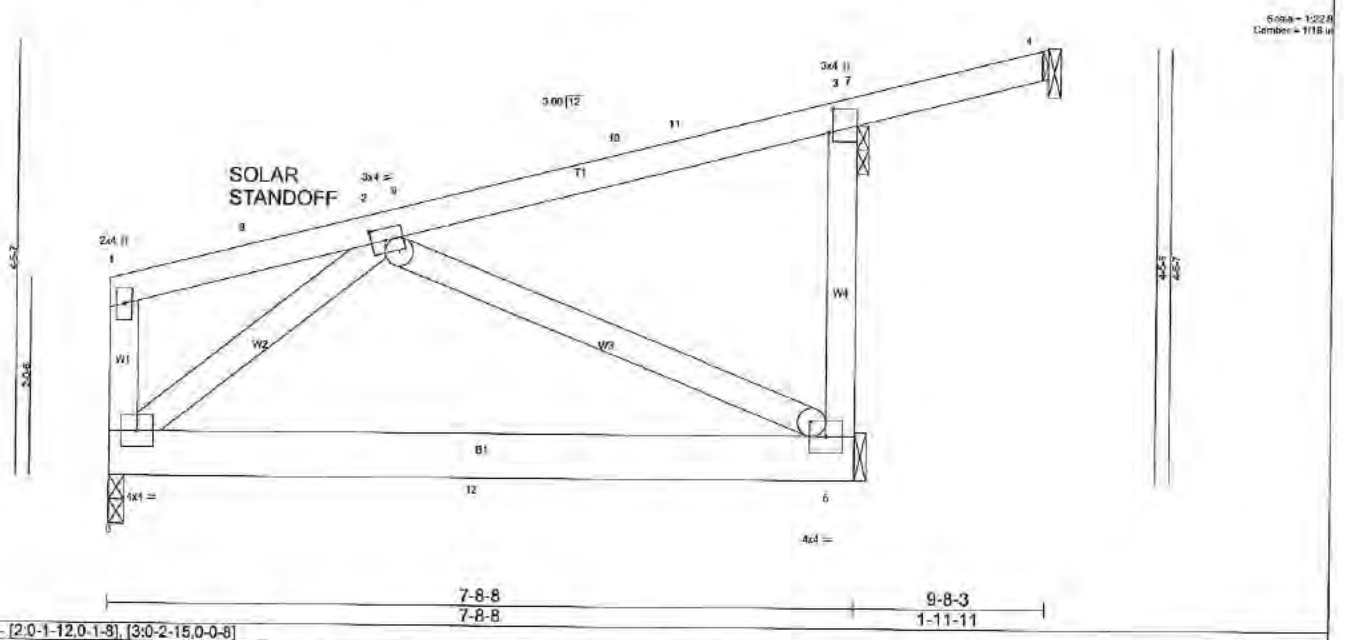

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [3:0-2-15,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.79	Vert(LL) -0.11 5-6 >807 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.38	Vert(CT) -0.18 5-6 >506 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.33	Horz(CT) 0.01 5 n/a n/a	Weight: 47 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-1-8 except (jt=length) 3=0-1-8, 5=Mechanical, 6=0-2-0.
(lb) - Max Horz
6= 90(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 4, 3, 5, 6
Max Grav
All reactions 250 lb or less at joint(s) 4, 3 except 5=375(LC 25), 6=893(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-6=-317/134
BOT CHORD
6-12=-134/588, 5-12=-134/588
WEBS
2-5=-658/149, 2-6=-782/68

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-7-7 zone; cantilever left and right exposed ; and vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 4 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 at joint(s) 4, 3, 6.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 26, 27, 28, 29 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 1-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
26) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-6=-16(F)
Concentrated Loads (lb)
Vert: 8=-691(F)
27) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-6=-16(F)
Concentrated Loads (lb)
Vert: 8=433(F)
28) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-6=-16(F)
Concentrated Loads (lb)
Horz: 8=55(F)
29) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-6=-16(F)
Concentrated Loads (lb)
Horz: 8=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J09A	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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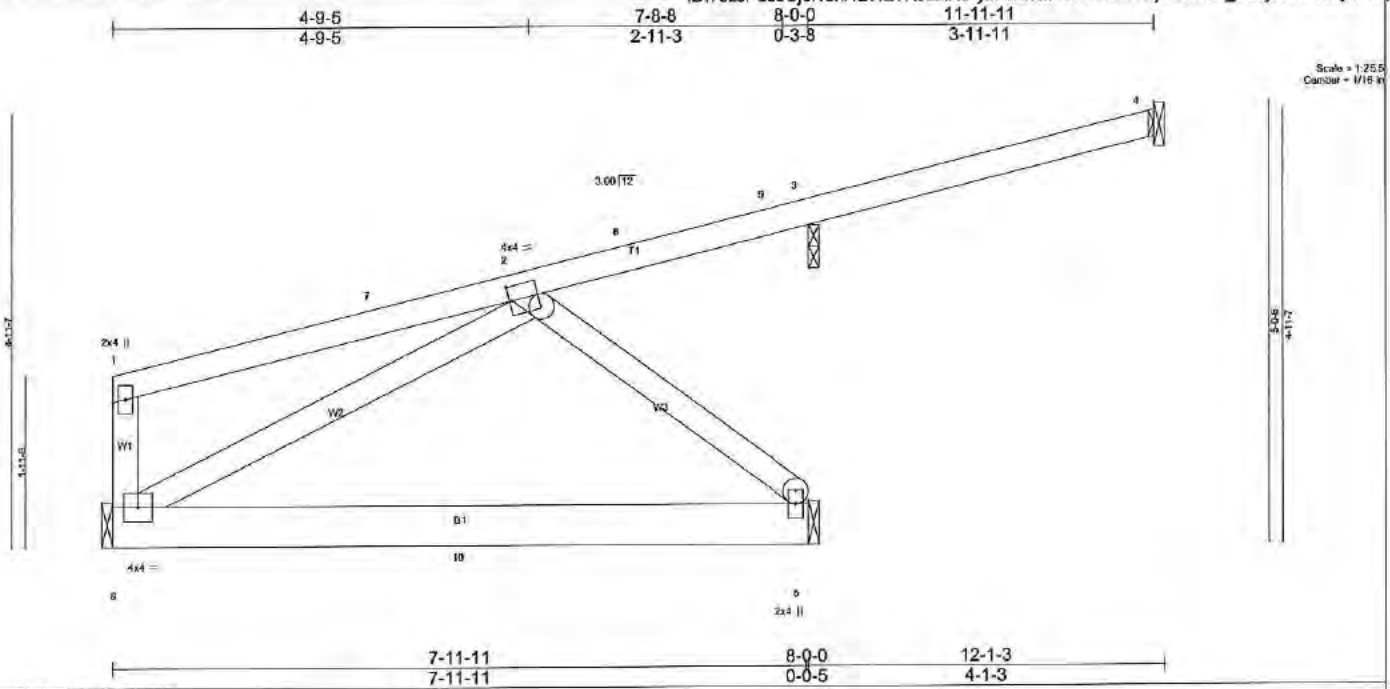

Plate Offsets (X,Y)-- [2:0-0-6,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.26	Vert(LL) -0.13 5-6 >719 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.37	Vert(CT) -0.21 5-6 >442 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT) 0.00 5 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 48 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings Mechanical except (jt=length) 4=0-1-8, 3=0-1-8.
(lb) - Max Horz
6= 103(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 4, 5, 6, 3
Max Grav
All reactions 250 lb or less at joint(s) 4, 3 except 5=412(LC 25), 6=447(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD
6-10=-103/257, 5-10=-103/257
WEBS
2-5=-335/135, 2-6=-300/14

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 4 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 at joint(s) 4, 3.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J09B	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:50 2019 Page 1
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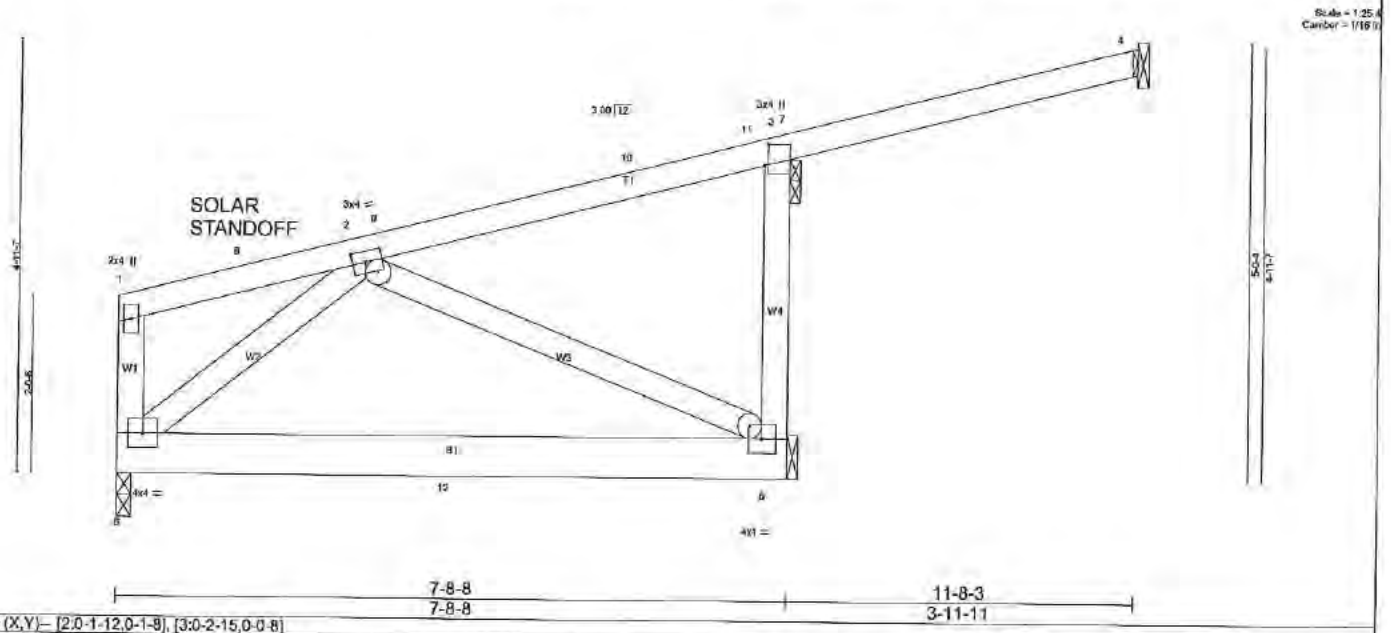


Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [3:0-2-15,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.79	Vert(LL) -0.11 5-6 >807 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.38	Vert(CT) -0.18 5-6 >506 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.33	Horz(CT) 0.01 5 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 50 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-1-8 except (jt=length) 3=0-1-8, 5=Mechanical, 6=0-2-0.
(lb) - Max Horz
6=102(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 4, 3, 5, 6
Max Grav
All reactions 250 lb or less at joint(s) 4 except 3=305(LC 27), 5=375(LC 25), 6=893(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-6=-317/134
BOT CHORD
6-12=-128/588, 5-12=-128/588
WEBS
2-5=-658/143, 2-6=-782/56

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-7-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 4 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 at joint(s) 4, 3, 6.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 26, 27, 28, 29 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 1-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
26) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-6=-16(F)
Concentrated Loads (lb)
Vert: 8=691(F)
27) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-6=-16(F)
Concentrated Loads (lb)
Vert: 8=433(F)
28) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-6=-16(F)
Concentrated Loads (lb)
Horz: 8=55(F)
29) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-74(F), 5-6=-16(F)
Concentrated Loads (lb)
Horz: 8=-55(F)

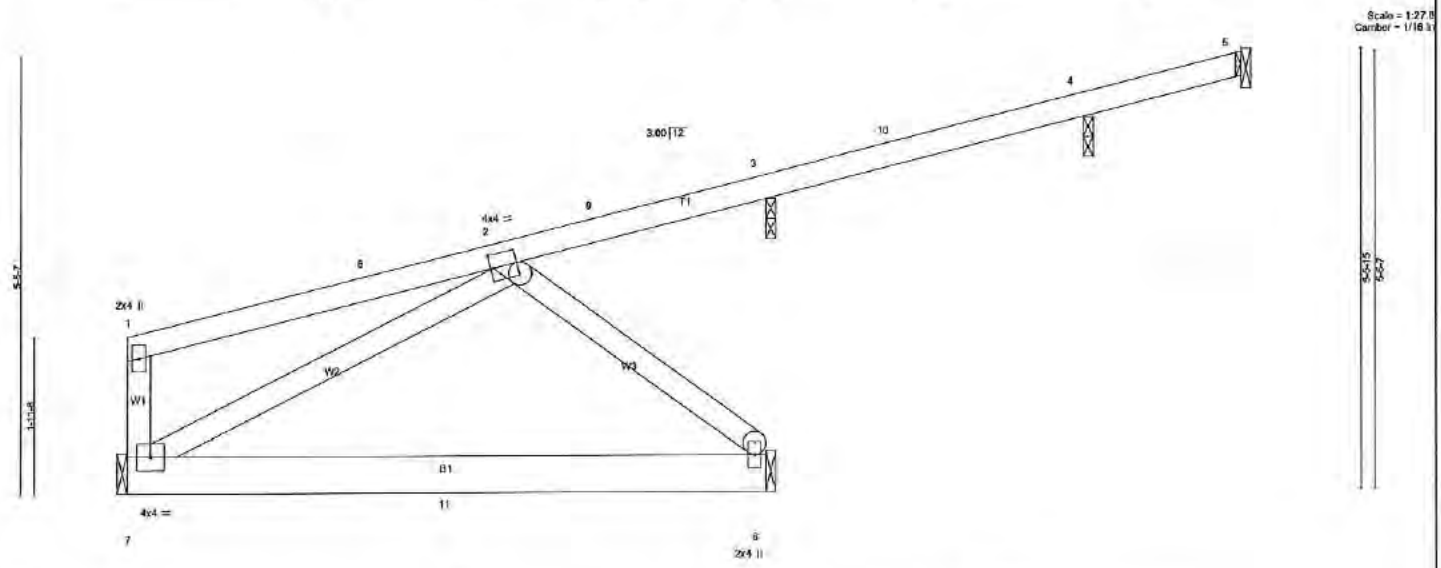
[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J10A	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:51 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-u6WeKfBctwBD5V3QaqlL7RRIk5fR3Dv3ROuTXyOAfo

4-9-5	7-8-8	8-0-0	12-1-8	13-11-11
4-9-5	2-11-3	0-3-8	4-1-8	1-10-3



7-11-11	8-0-0	14-1-3
7-11-11	0-0-5	6-1-3

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.28	Vert(LL) -0.13 6-7 >719 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.37	Vert(CT) -0.21 6-7 >442 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT) 0.00 6 n/a n/a	Weight: 50 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings Mechanical except (jt=length) 5=0-1-8, 3=0-1-8, 4=0-1-8.
(lb) - Max Horz
7= 115(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 5, 6, 7, 3, 4
Max Grav
All reactions 250 lb or less at joint(s) 5, 3, 4 except 6=412(LC 25), 7=447(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD
7-11=-108/257, 6-11=-108/257
WEBS
2-6=-335/141, 2-7=-300/1

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-10-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 5 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 at joint(s) 5, 3, 4.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
9) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J10B	JACK-OPEN	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA, 92570

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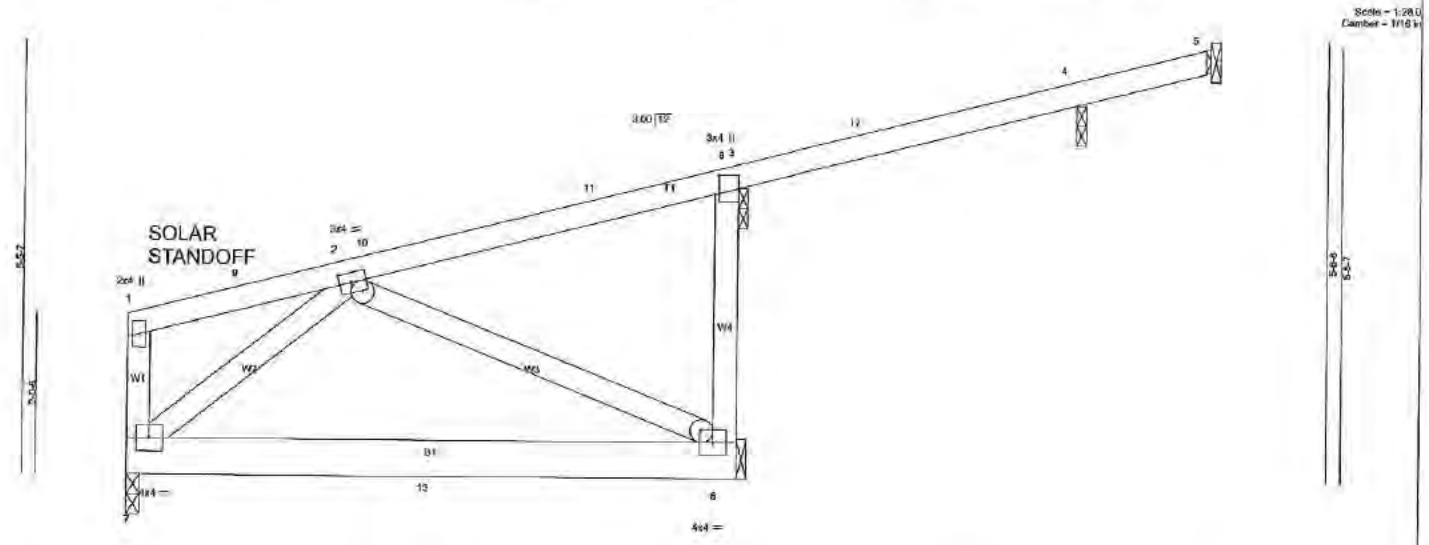
2-10-0 | 7-5-0 | 7-8-8 | 12-1-8 | 13-8-3
2-10-0 | 4-7-0 | 0-3-8 | 4-5-0 | 1-6-11



7-8-8 | 13-8-3
7-8-8 | 5-11-11

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [3:0-2-15,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.78	Vert(LL)	-0.11	6-7	>807	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.38	Vert(CT)	-0.18	6-7	>506	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.33	Horz(CT)	0.01	6	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 53 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-1-8 except (jt=length) 5=0-1-8, 6=Mechanical, 7=0-2-0.
(lb) - Max Horz
7= 114(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 5, 6, 7, 4 except 3=-103(LC 8)
Max Grav
All reactions 250 lb or less at joint(s) 5, 4 except 3=318(LC 27), 6=390(LC 26), 7=894(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-315/137
BOT CHORD
7-13=-137/592, 6-13=-137/592
WEBS
2-6=-664/153, 2-7=-788/47

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-7-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 5 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 at joint(s) 5, 3, 7, 4.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 26, 27, 28, 29 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 1-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
26) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 6-7=-16(F)
Concentrated Loads (lb)
Vert: 9=-691(F)
27) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 6-7=-16(F)
Concentrated Loads (lb)
Vert: 9=433(F)
28) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 6-7=-16(F)
Concentrated Loads (lb)
Horz: 9=55(F)
29) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 6-7=-16(F)
Concentrated Loads (lb)
Horz: 9=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	J11B	JACK-OPEN	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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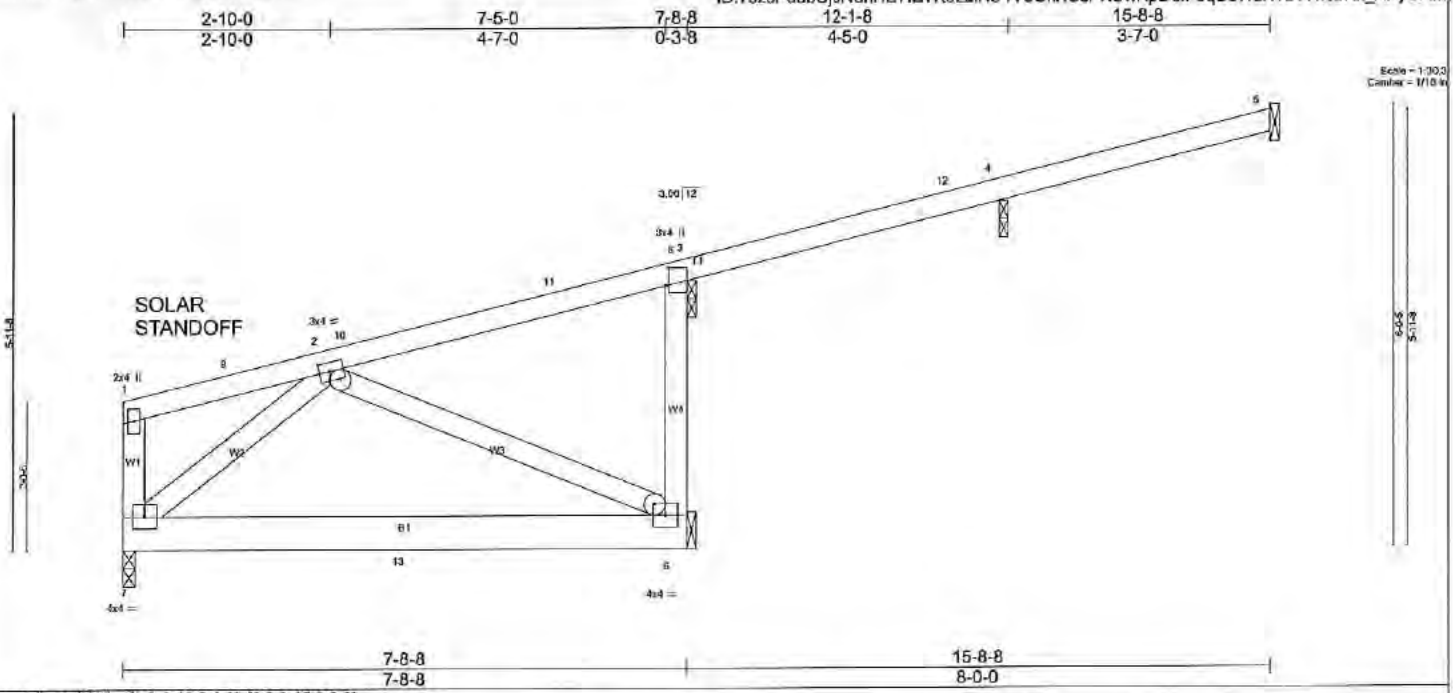

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [3:0-2-15,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.78	Vert(LL) -0.11 6-7 >807 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.38	Vert(CT) -0.18 6-7 >506 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.33	Horz(CT) 0.01 6 n/a n/a	Weight: 56 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-1-8 except (jt=length) 5=0-1-8, 6=Mechanical, 7=0-2-0.
(lb) - Max Horz
7= 127(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 5, 6, 7, 4 except 3=-105(LC 8)
Max Grav
All reactions 250 lb or less at joint(s) 5 except 3=318(LC 27),
6=390(LC 26), 7=894(LC 26), 4=289(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-7=-315/137
BOT CHORD
7-13=-146/592, 6-13=-146/592
WEBS
2-6=-664/162, 2-7=-788/36

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 15-7-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 5 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 at joint(s) 5, 3, 7, 4.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 26, 27, 28, 29 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down and 433 lb up and 55 lb left and 55 lb right at 1-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard Except:
26) SOLAR STANDOFFS DOWN: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 6-7=-16(F)
Concentrated Loads (lb)
Vert: 9=-691(F)
27) SOLAR STANDOFFS UP: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 6-7=-16(F)
Concentrated Loads (lb)
Vert: 9=433(F)
28) SOLAR STANDOFFS RIGHT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 6-7=-16(F)
Concentrated Loads (lb)
Horz: 9=55(F)
29) SOLAR STANDOFFS LEFT: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-74(F), 6-7=-16(F)
Concentrated Loads (lb)
Horz: 9=-55(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 189
M29679 CHESTNUT SQUARE	R01A	CORNER RAFTER	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

Run: 8.240 s Dec 6 2018 Print: 8.240 s Dec 6 2018 MiTek Industries, Inc. Wed Oct 30 13:58:54 2019 Page 1
ID:7szsPdubUj0NunHE7IEWt3z2IN5-JhCmygDVAranyzn?GyJ3I439HJmAeSKMIPcY3ryOAf

10-11-8 | 11-3-0 | 14-3-1 | 17-1-0 | 19-10-15 | 22-6-12
10-11-8 | 0-3-8 | 3-0-1 | 2-9-15 | 2-9-15 | 2-7-13

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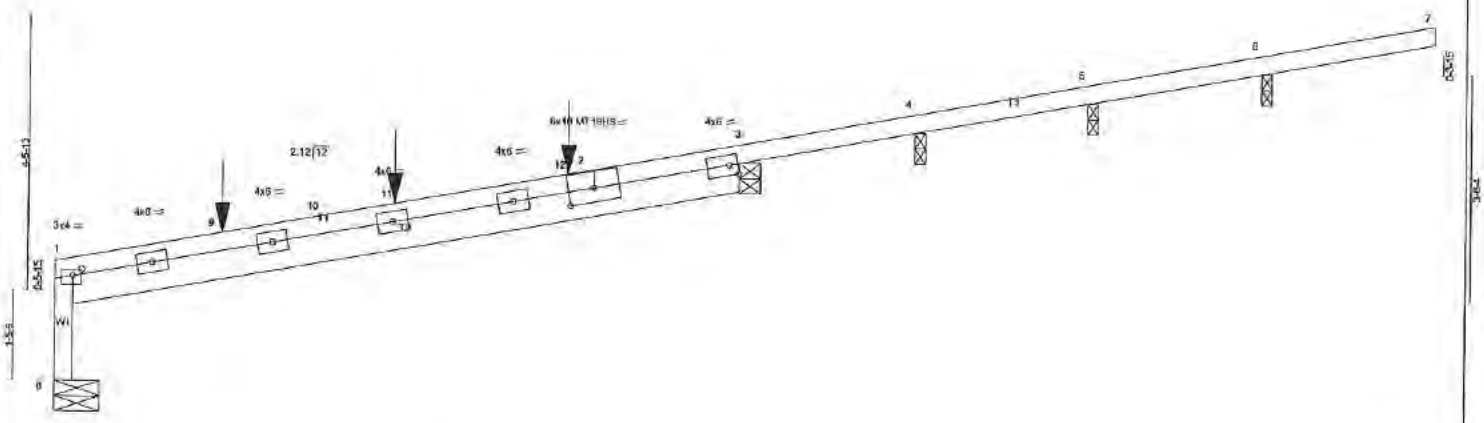

11-2-4 | 11-3-0
11-2-4 | 0-0-12

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

LOADING (psf)	SPACING- 0-3-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.71	Vert(LL) -0.19 1-3 >696 180	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.00	Vert(CT) -0.52 1-3 >258 180	MT18HS 220/195
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.23 6 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-AS	Wind(LL) 0.39 1-3 >345 240	Weight: 57 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G *Except*
T2: 2x6 DF No.2 G
WEBS 2x4 DF No.2 G
BRACING-
TOP CHORD
Structural wood sheathing directly applied, except end verticals.
BOT CHORD
Rigid ceiling directly applied.

REACTIONS. All bearings 0-2-2 except (jt=length) 3=0-4-4, 8=0-9-0.
(lb) - Max Horz
8= 15(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 4, 5, 6 except 3=-144(LC 12), 8=-107(LC 8)
Max Grav
All reactions 250 lb or less at joint(s) 4, 5, 6 except 3=566(LC 19), 8=429(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-8=-429/345

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 4-4-10, Exterior(2) 4-4-10 to 22-6-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5, 6.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 153 lb down and 122 lb up at 2-9-3, and 307 lb down and 243 lb up at 5-7-2, and 460 lb down and 365 lb up at 8-5-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-9

Standard
Concentrated Loads (lb)
Vert: 8=-139(F) 11=-272(F) 12=-408(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 190
M29679 CHESTNUT SQUARE	R02A	CORNER RAFTER	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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-2-9-15 / 2-9-15 | 10-11-8 / 10-11-8 | 11-3-0 / 0-3-8

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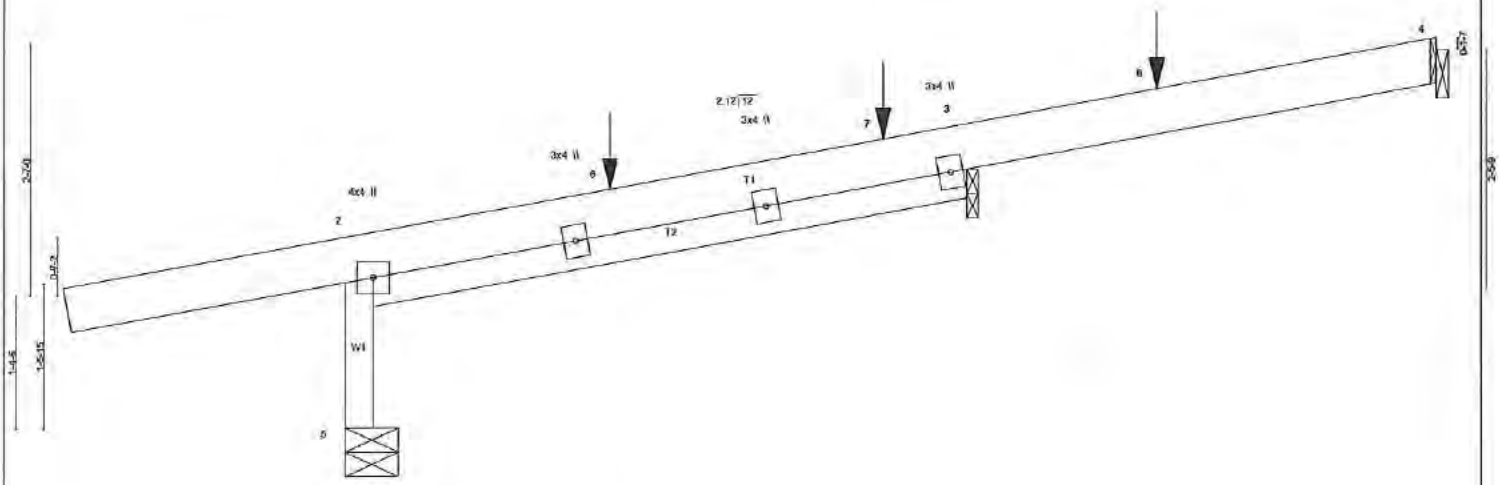

6-5-0 / 6-5-0 | 11-3-0 / 4-10-0

LOADING (psf)	SPACING- 0-3-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.49	Vert(LL) -0.03 3-4 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.00	Vert(CT) -0.07 3-4 >770 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) 0.01 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 41 lb FT = 20%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.1&Btr G
WEBS 2x4 DF No.1&Btr G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
4 = 191/0-1-8 (min. 0-1-8)
3 = 553/0-1-8 (min. 0-1-8)
5 = 274/0-6-10 (min. 0-1-8)
Max Horz
5 = 11(LC 5)
Max Uplift
4 = -51(LC 4)
3 = -156(LC 8)
5 = -78(LC 4)
Max Grav
4 = 206(LC 15)
3 = 600(LC 15)
5 = 275(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-5=-275/78

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
3) A plate rating reduction of 20% has been applied for the green lumber members.
4) Bearing at joint(s) 4, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 3.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 3.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 153 lb down and 38 lb up at 2-9-3, and 307 lb down and 75 lb up at 5-7-2, and 460 lb down and 113 lb up at 8-5-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-4=-9
Concentrated Loads (lb)
Standard
Vert: 6=-136(F) 7=-272(F) 8=-408(F)
Trapezoidal Loads (plf)
Vert: 1=-59(F=-50)-to-2=-7(F=3)

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 191
M29679 CHESTNUT SQUARE	R02B	CORNER RAFTER	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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0-0-7	2-9-15	5-10-0	11-0-6	11-3-14
0-0-7	2-9-8	3-0-1	5-2-6	0-3-8

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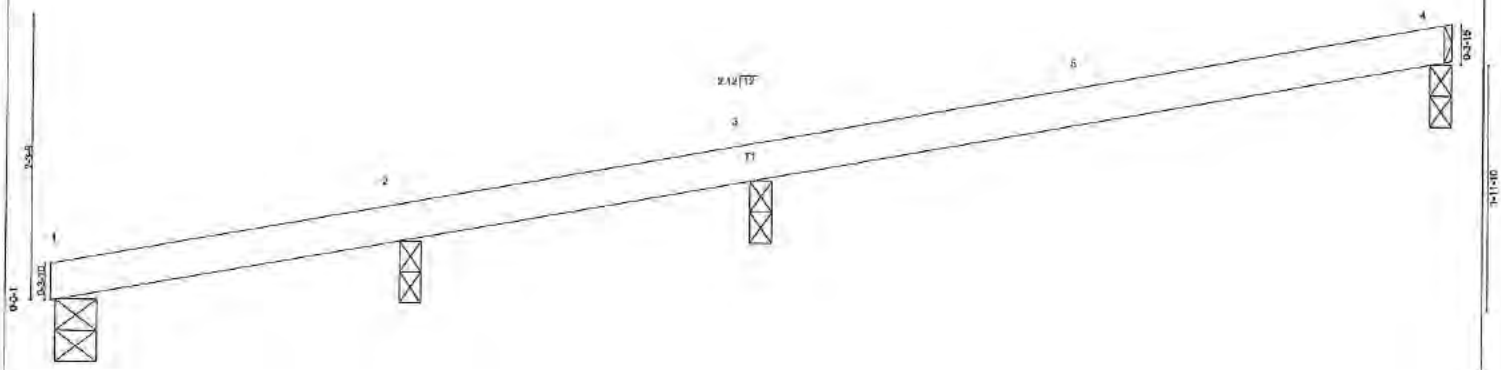

5-3-4	8-1-3	11-3-14
5-3-4	2-9-15	3-2-11

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.48	Vert(LL) -0.09 3-4 >766 240	
TCDL 17.0	Lumber DOL 1.25	BC 0.00	Vert(CT) -0.23 3-4 >284 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) -0.00 4 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 16 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-2-2 except (jt=length) 1=0-4-1.
(lb) - Max Horz
1= 68(LC 4)
Max Uplift
All uplift 100 lb or less at joint(s) 1, 4, 2, 3
Max Grav
All reactions 250 lb or less at joint(s) 1, 4, 2 except 3=308(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
3) A plate rating reduction of 20% has been applied for the green lumber members.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 2, 3.
5) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 4, 2, 3.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP01	FLAT	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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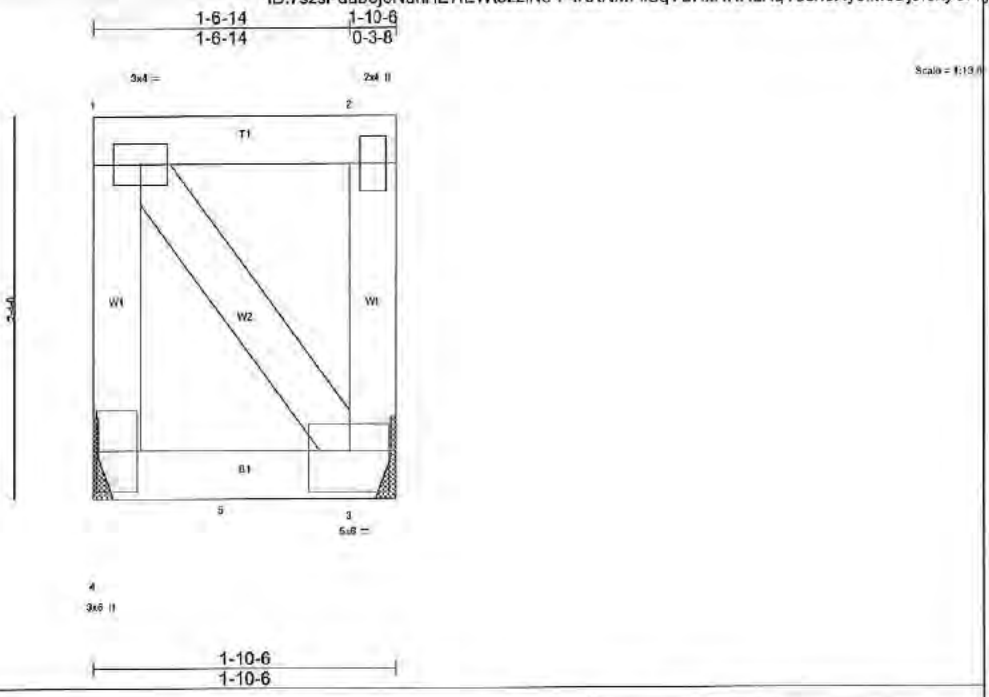

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = -71(LC 8)
Max Uplift
4 = -565(LC 27)
3 = -565(LC 30)
Max Grav
4 = 575(LC 34)
3 = 575(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-563/573, 1-2=-380/382
BOT CHORD
4-5=-286/289, 3-5=-443/446
WEBS
1-3=-749/749

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP02	FLAT	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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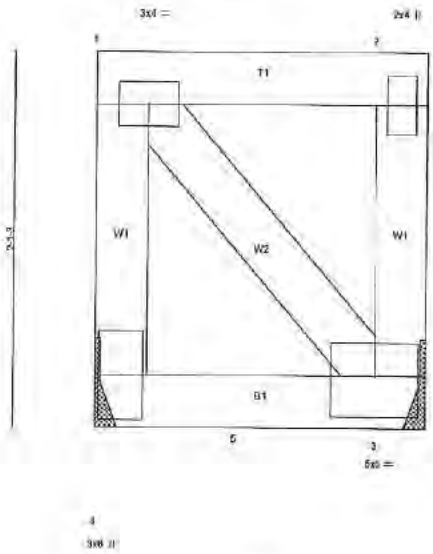
1-6-14 / 1-6-14 | 1-10-6 / 0-3-8



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1-10-6 / 1-10-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.22	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT)	-0.00	3-4	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.26	Horz(CT)	0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = -63(LC 10)
Max Uplift
4 = -497(LC 27)
3 = -497(LC 30)
Max Grav
4 = 507(LC 34)
3 = 507(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-484/504, 1-2=-377/379
BOT CHORD
4-5=-275/278, 3-5=-433/435
WEBS
1-3=-685/685

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 194
M29679 CHESTNUT SQUARE	SP02A	ROOF SPECIAL	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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0-8-2 0-3-8

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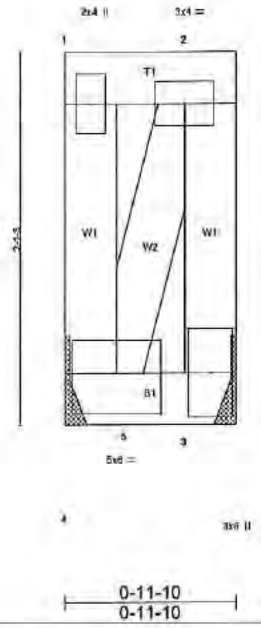

0-11-10
0-11-10

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.00	4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 9 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 0-11-10 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
3 = 30/Mechanical
4 = 30/Mechanical
Max Horz
4 = -63(LC 27)
Max Uplift
3 = -540(LC 30)
4 = -540(LC 27)
Max Grav
3 = 544(LC 31)
4 = 544(LC 34)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-620/618
WEBS
2-4=-645/646

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 0-11-10 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 195
M29679 CHESTNUT SQUARE	SP03	FLAT	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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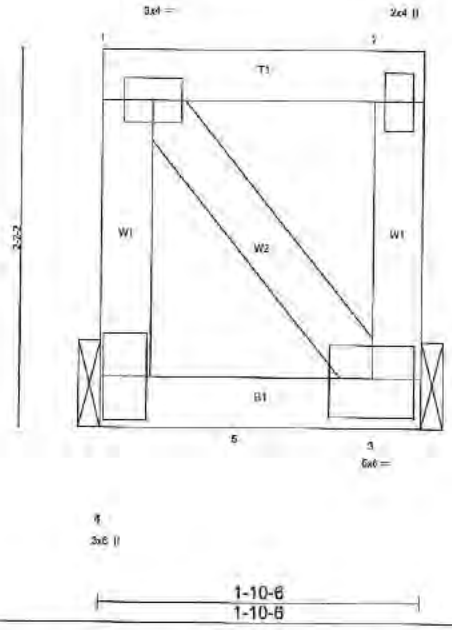
1-6-14 1-10-6
1-6-14 0-3-8



1-10-6
1-10-6

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

LOADING (psf)	SPACING- 2-0-0	CSI	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.24	Vert(LL) -0.00 3-4 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT) -0.00 3-4 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP		Weight: 12 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/Mechanical
3 = 71/Mechanical
Max Horz
4 = 66(LC 11)
Max Uplift
4 = -519(LC 27)
3 = -519(LC 30)
Max Grav
4 = 529(LC 34)
3 = 529(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-516/527, 1-2=-378/380
BOT CHORD
4-5=-279/282, 3-5=-436/439
WEBS
1-3=-708/706

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 196
M29679 CHESTNUT SQUARE	SP03A	FLAT	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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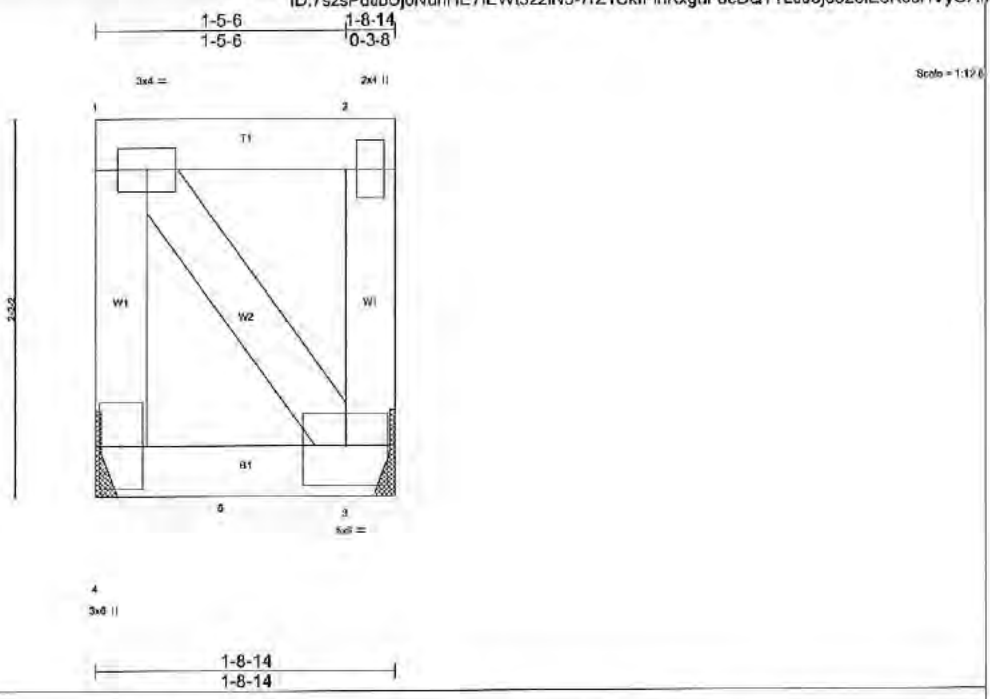

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.00	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-8-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 65/Mechanical
3 = 65/Mechanical
Max Horz
4 = 66(LC 11)
Max Uplift
4 = -522(LC 27)
3 = -522(LC 30)
Max Grav
4 = 531(LC 34)
3 = 531(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-519/529, 1-2=-350/352
BOT CHORD
4-5=-263/266, 3-5=-408/411
WEBS
1-3=-691/691

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 250.0 plf.

[redacted]

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP04	BLOCKING SUPPORTED	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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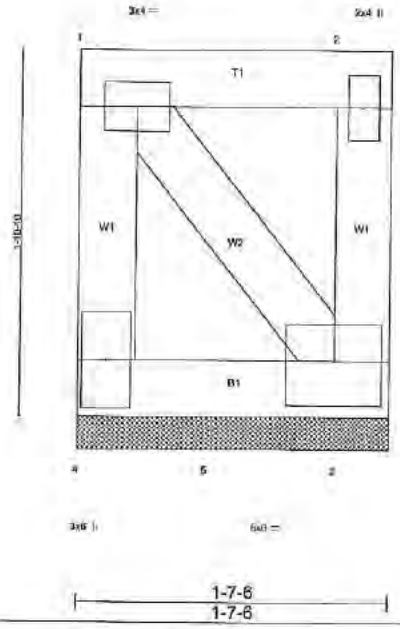
ID:7szsPdubUj0NunHE7IEWt3z2IN5-7rZ1CkIFIhKxguF8cDQT?LJJpjoD26CE8K3sHVyOAf

1-3-14 1-7-6
1-3-14 0-3-8



1-7-6
1-7-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.19	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.09	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.23	Horz(CT) 0.00 3 n/a n/a	Weight: 10 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-7-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 60/1-7-6 (min. 0-1-8)
3 = 60/1-7-6 (min. 0-1-8)
Max Horz
4 = -56(LC 10)
Max Uplift
4 = -439(LC 27)
3 = -439(LC 30)
Max Grav
4 = 447(LC 34)
3 = 447(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-437/445, 1-2=-318/327
BOT CHORD
4-5=-242/251, 3-5=-374/384
WEBS
1-3=-607/607

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-7-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP05	BLOCKING SUPPORTED	36	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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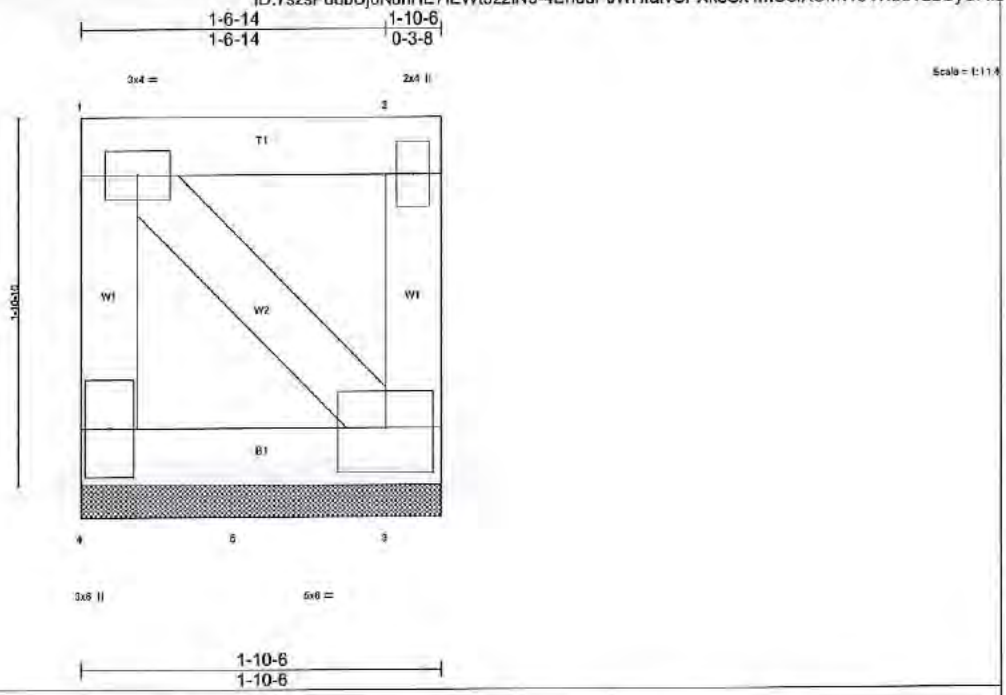

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 11 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/1-10-6 (min. 0-1-8)
3 = 71/1-10-6 (min. 0-1-8)
Max Horz
4 = -56(LC 10)
Max Uplift
4 = -435(LC 27)
3 = -435(LC 30)
Max Grav
4 = 445(LC 34)
3 = 445(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-432/442, 1-2=-375/383
BOT CHORD
4-5=-273/283, 3-5=-430/440
WEBS
1-3=-641/641

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP05-1	BLOCKING SUPPORTED	11	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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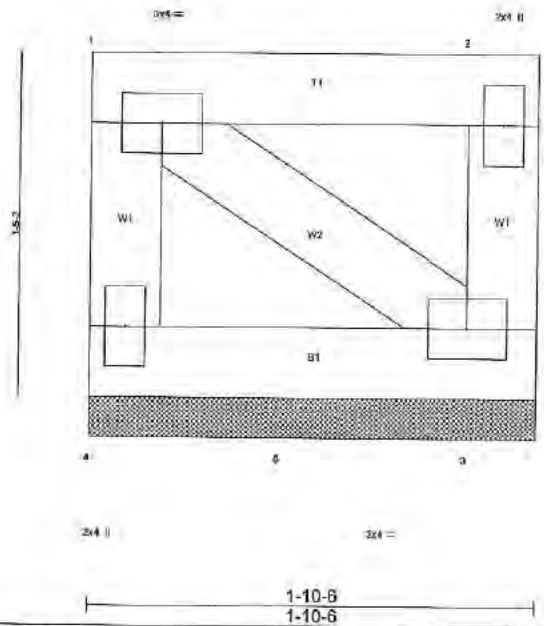
1-6-14 / 1-6-14 — 1-10-6 / 0-3-8



1-10-6 / 1-10-6

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 9 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/1-10-6 (min. 0-1-8)
3 = 71/1-10-6 (min. 0-1-8)
Max Horz
4 = -40(LC 8)
Max Uplift
4 = -306(LC 27)
3 = -306(LC 30)
Max Grav
4 = 323(LC 48)
3 = 323(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-310/314, 1-2=-369/369
BOT CHORD
3-5=-403/405
WEBS
1-3=-529/529

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP06-2	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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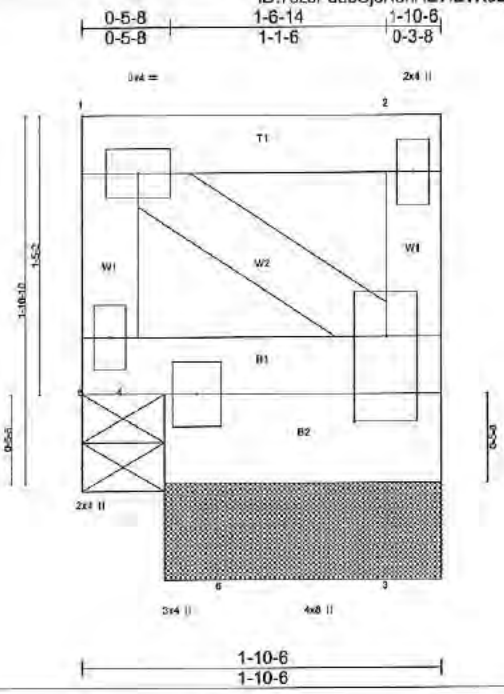

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	-0.00	5	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B2: 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
3 = 71/1-5-4 (min. 0-1-8)
5 = 71/0-5-2 (min. 0-1-8)
Max Horz
3 = 33(LC 33)
Max Uplift
3 = -294(LC 30)
5 = -332(LC 27)
Max Grav
3 = 316(LC 47)
5 = 353(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-371/377
BOT CHORD
3-6=-357/355
WEBS
1-5=-347/364, 1-3=-537/528

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 201
M29679 CHESTNUT SQUARE	SP05-3	BLOCKING SUPPORTED	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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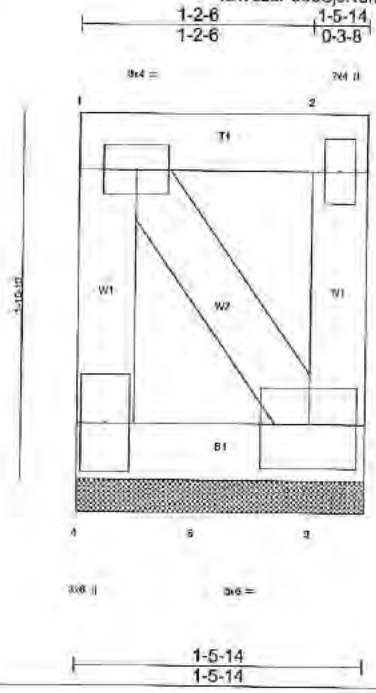

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.20	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.08	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.23	Horz(CT) 0.00 3 n/a n/a	Weight: 10 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-5-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 54/1-5-14 (min. 0-1-8)
3 = 54/1-5-14 (min. 0-1-8)
Max Horz
4 = 56(LC 11)
Max Uplift
4 = -442(LC 27)
3 = -442(LC 30)
Max Grav
4 = 449(LC 34)
3 = 449(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-440/447, 1-2=-290/299
BOT CHORD
3-5=-346/356
WEBS
1-3=-593/593

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-5-14 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP07	BLOCKING SUPPORTED	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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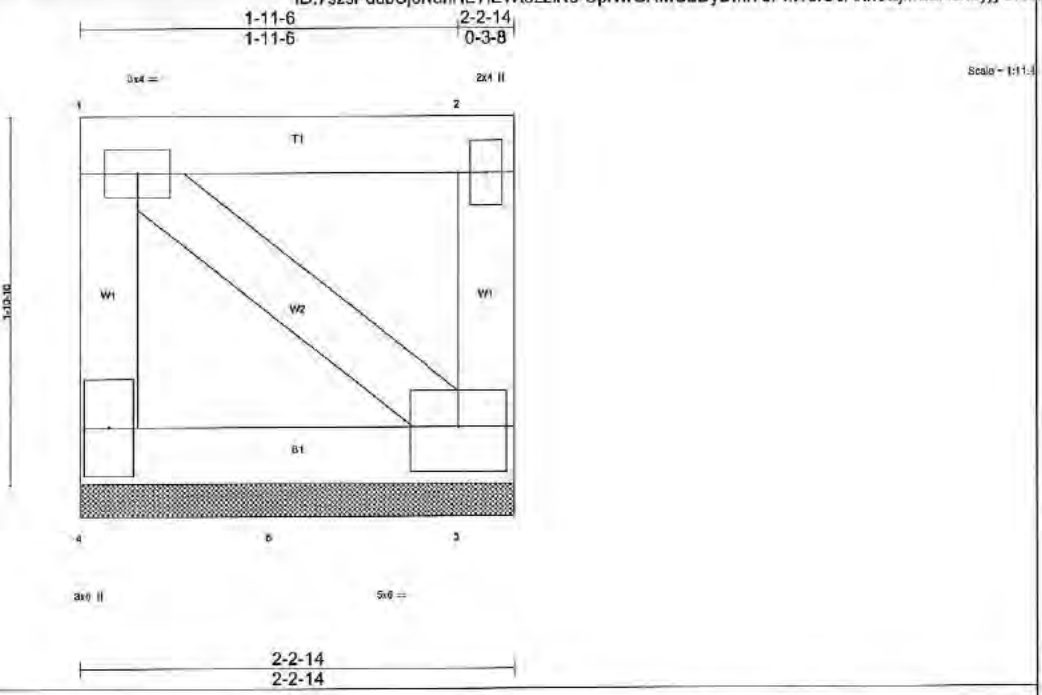

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL 1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.26	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014	Matrix-P							Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-2-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 88/2-2-14 (min. 0-1-8)
3 = 88/2-2-14 (min. 0-1-8)
Max Horz
4 = 56(LC 11)
Max Uplift
4 = -432(LC 27)
3 = -432(LC 30)
Max Grav
4 = 447(LC 48)
3 = 447(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-431/441, 1-2=-459/460
BOT CHORD
4-5=-313/315, 3-5=-508/510
WEBS
1-3=-694/694

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-2-14 for 250.0 plf.

[redacted]

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 203
M29679 CHESTNUT SQUARE	SP08	BLOCKING SUPPORTED	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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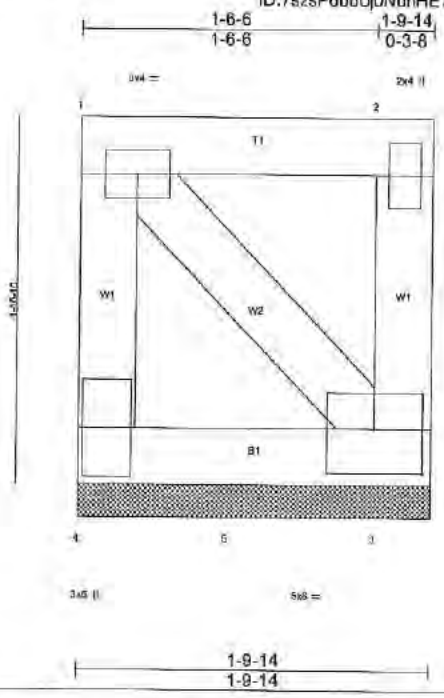

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.19	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.10	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.00 3 n/a n/a	Weight: 11 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-9-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 69/1-9-14 (min. 0-1-8)
3 = 69/1-9-14 (min. 0-1-8)
Max Horz
4 = -56(LC 10)
Max Uplift
4 = -435(LC 27)
3 = -435(LC 30)
Max Grav
4 = 445(LC 34)
3 = 445(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-433/443, 1-2=-365/366
BOT CHORD
4-5=-261/263, 3-5=-414/416
WEBS
1-3=-624/624

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-9-14 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP09	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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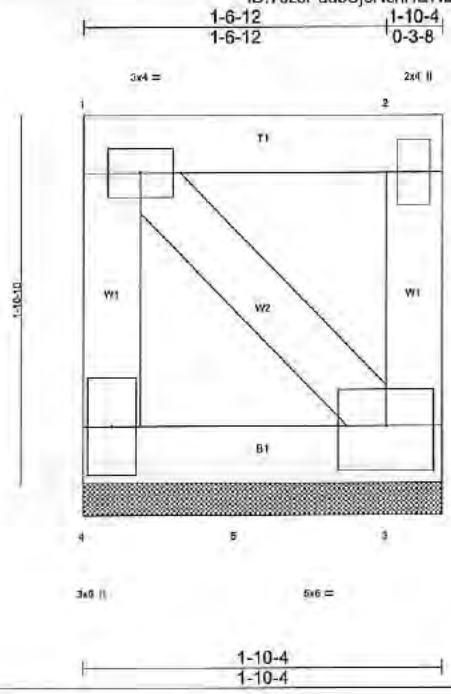

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 11 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-4 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 70/1-10-4 (min. 0-1-8)
3 = 70/1-10-4 (min. 0-1-8)
Max Horz
4 = -56(LC 32)
Max Uplift
4 = -435(LC 27)
3 = -435(LC 30)
Max Grav
4 = 445(LC 34)
3 = 445(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-432/443, 1-2=-372/373
BOT CHORD
4-5=-265/267, 3-5=-421/423
WEBS
1-3=-629/629

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-4 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 205
M29679 CHESTNUT SQUARE	SP09-1	BLOCKING SUPPORTED	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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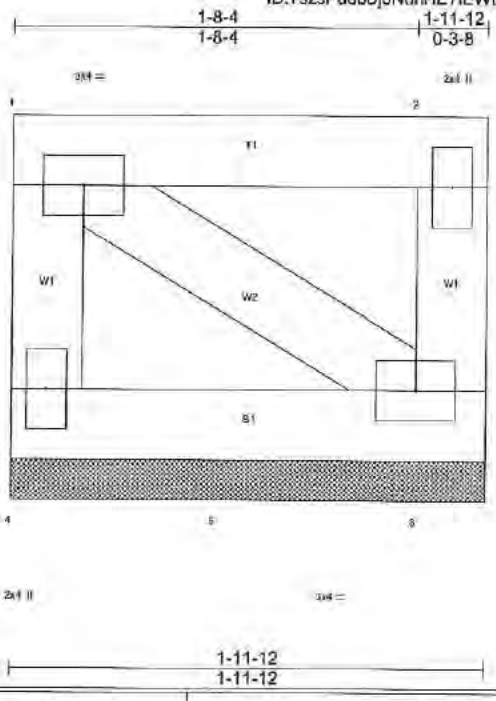

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.13	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.12	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.21	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 10 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-11-12 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 76/1-11-12 (min. 0-1-8)
3 = 76/1-11-12 (min. 0-1-8)
Max Horz
4 = -40(LC 28)
Max Uplift
4 = -306(LC 27)
3 = -306(LC 30)
Max Grav
4 = 326(LC 48)
3 = 326(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-312/314, 1-2=-394/395
BOT CHORD
4-5=-260/262, 3-5=-429/431
WEBS
1-3=-551/551

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-11-12 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP10-1	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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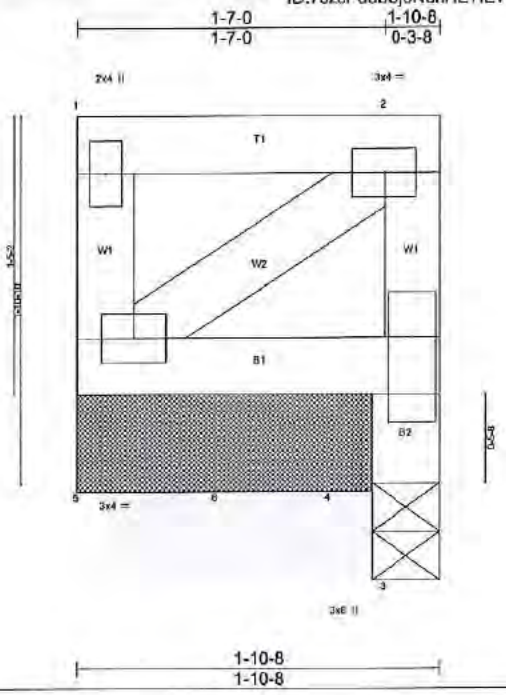

Plate Offsets (X,Y)-- [3:0-5-4,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.14	Vert(LL)	-0.00	3-5	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT)	-0.00	3-5	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.20	Horz(CT)	0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P						Weight: 10 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B2: 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
5 = 71/1-6-3 (min. 0-1-8)
3 = 71/0-4-4 (min. 0-1-8)
Max Horz
5 = 43(LC 34)
Max Uplift
5 = -311(LC 27)
3 = -275(LC 30)
Max Grav
5 = 328(LC 48)
3 = 292(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-349/344, 1-2=-376/378
BOT CHORD
5-6=-376/374
WEBS
2-5=-533/533

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-8 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP10-2	BLOCKING SUPPORTED G	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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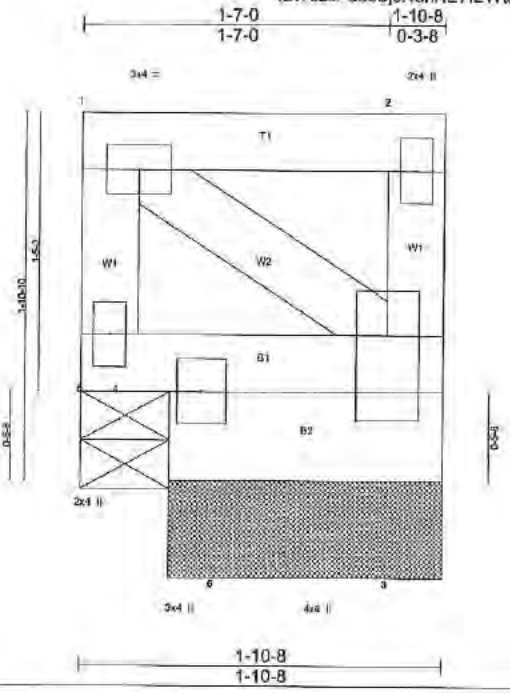

Plate Offsets (X,Y) -- [3:0-5-4,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.06	Vert(LL)	-0.00	5	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.04	Vert(CT)	-0.00	5	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.21	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B2: 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
3 = 71/1-5-1 (min. 0-1-8)
5 = 71/0-5-8 (min. 0-1-8)
Max Horz
5 = 62(LC 33)
Max Uplift
3 = -283(LC 30)
5 = -361(LC 27)
Max Grav
3 = 308(LC 47)
5 = 384(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-374/375
BOT CHORD
3-6=-386/384
WEBS
1-5=-368/369, 1-3=-547/546

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-5-8 to 1-10-8 for 330.8 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 208
M29679 CHESTNUT SQUARE	SP11	BLOCKING SUPPORTED	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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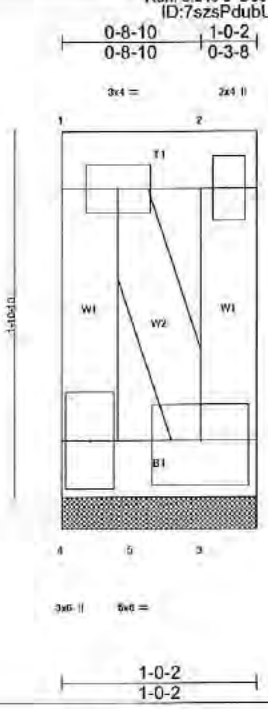

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 8 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-0-2 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 32/1-0-2 (min. 0-1-8)
3 = 32/1-0-2 (min. 0-1-8)
Max Horz
4 = -56(LC 32)
Max Uplift
4 = -464(LC 27)
3 = -464(LC 30)
Max Grav
4 = 468(LC 34)
3 = 468(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-499/507
WEBS
1-3=-576/576

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-0-2 for 250.1 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 209
M29679 CHESTNUT SQUARE	SP12	BLOCKING SUPPORTED	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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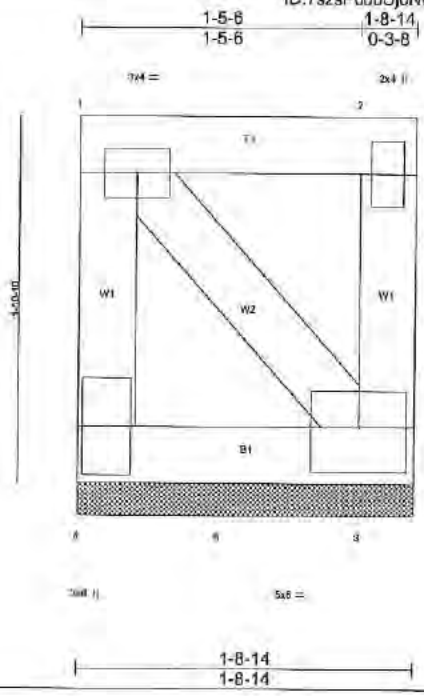

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.19	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.10	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 11 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-8-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 65/1-8-14 (min. 0-1-8)
3 = 65/1-8-14 (min. 0-1-8)
Max Horz
4 = -58(LC 10)
Max Uplift
4 = -437(LC 27)
3 = -437(LC 30)
Max Grav
4 = 446(LC 34)
3 = 446(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-434/444, 1-2=-346/355
BOT CHORD
4-5=-258/267, 3-5=-402/412
WEBS
1-3=-623/623

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP13	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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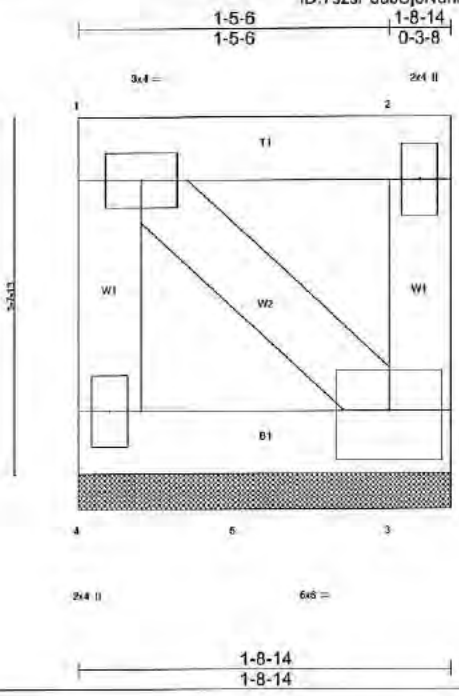

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-8-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 65/1-8-14 (min. 0-1-8)
3 = 65/1-8-14 (min. 0-1-8)
Max Horz
4 = -48(LC 8)
Max Uplift
4 = -370(LC 27)
3 = -370(LC 30)
Max Grav
4 = 379(LC 34)
3 = 379(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-368/377, 1-2=-343/351
BOT CHORD
4-5=-246/255, 3-5=-391/399
WEBS
1-3=-564/564

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Square MMB	pg 211
M29679 CHESTNUT SQUARE	SP14	BLOCKING SUPPORTED	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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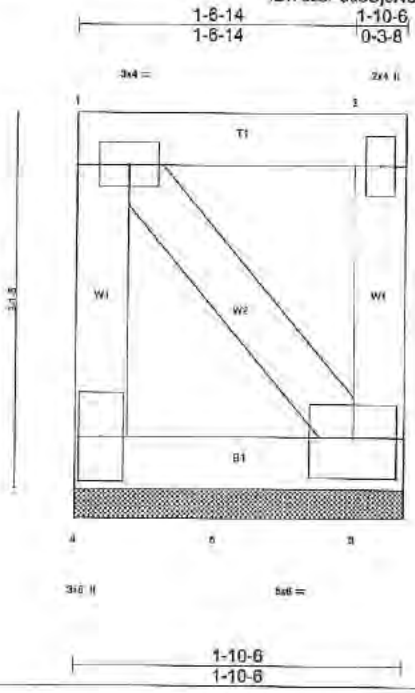

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.23	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 12 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
4 = 71/1-10-6 (min. 0-1-8)
3 = 71/1-10-6 (min. 0-1-8)
Max Horz
4 = -92(LC 32)
Max Uplift
4 = -500(LC 27)
3 = -500(LC 30)
Max Grav
4 = 510(LC 34)
3 = 510(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-497/508, 1-2=-378/387
BOT CHORD
4-5=-270/281, 3-5=-439/449
WEBS
1-3=-701/701

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 267.9 plf.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 212
M29679 CHESTNUT SQUARE	SP14-1	BLOCKING SUPPORTED	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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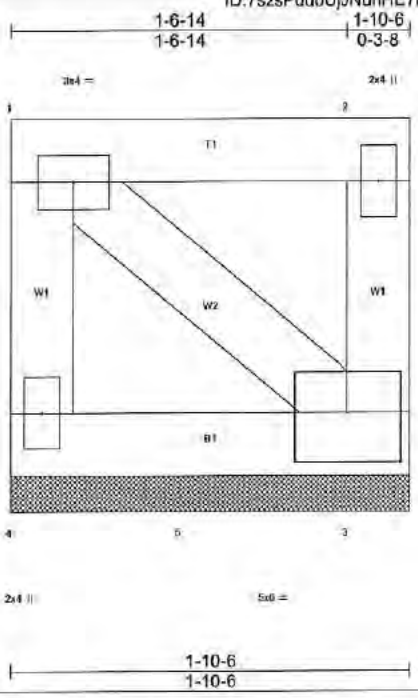

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.15	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.22	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 10 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/1-10-6 (min. 0-1-8)
3 = 71/1-10-6 (min. 0-1-8)
Max Horz
4 = -48(LC 8)
Max Uplift
4 = -369(LC 27)
3 = -369(LC 30)
Max Grav
4 = 379(LC 48)
3 = 379(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-367/377, 1-2=-372/373
BOT CHORD
4-5=-256/258, 3-5=-413/415
WEBS
1-3=-576/576

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP15	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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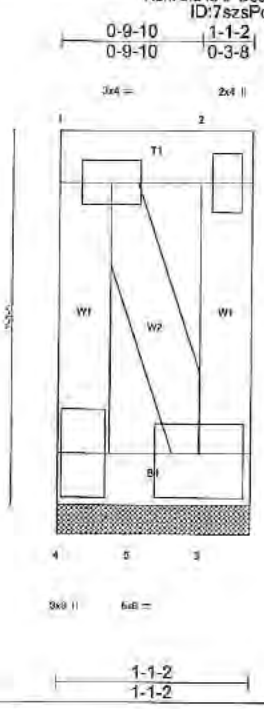

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.26	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.05	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.25	Horz(CT)	0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P						Weight: 9 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-1-2 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 36/1-1-2 (min. 0-1-8)
3 = 36/1-1-2 (min. 0-1-8)
Max Horz
4 = -64(LC 10)
Max Uplift
4 = -531(LC 27)
3 = -531(LC 30)
Max Grav
4 = 536(LC 34)
3 = 536(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-574/583
BOT CHORD
3-5=-268/279
WEBS
1-3=-659/659

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-1-2 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP16	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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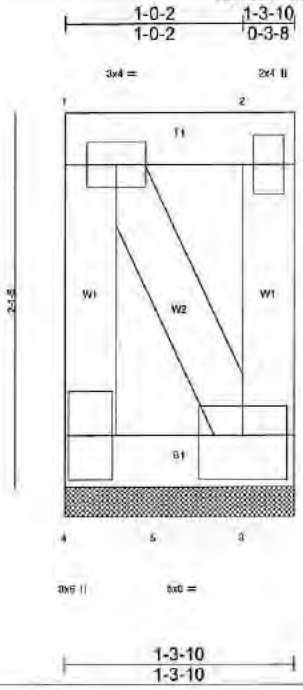

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-3-10 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 45/1-3-10 (min. 0-1-8)
3 = 45/1-3-10 (min. 0-1-8)
Max Horz
4 = -64(LC 32)
Max Uplift
4 = -517(LC 27)
3 = -517(LC 30)
Max Grav
4 = 524(LC 34)
3 = 524(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-536/548, 1-2=-251/260
BOT CHORD
3-5=-315/326
WEBS
1-3=-654/654

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-3-10 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MM8
M29679 CHESTNUT SQUARE	SP17	BLOCKING	3	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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1-6-14 1-10-6
1-6-14 0-3-8

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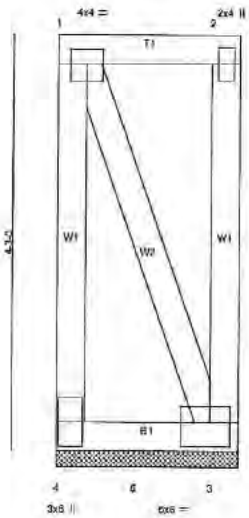

1-10-6
1-10-6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.82	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.53	Horz(CT)	0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P						Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/1-10-6 (min. 0-1-8)
3 = 71/1-10-6 (min. 0-1-8)
Max Horz
4 = -138(LC 8)
Max Uplift
4 = -1172(LC 27)
3 = -1172(LC 30)
Max Grav
4 = 1182(LC 34)
3 = 1182(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-1268/1264, 1-2=-405/408
BOT CHORD
4-5=-369/375, 3-6=-526/532
WEBS
1-3=-1401/1401

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP18	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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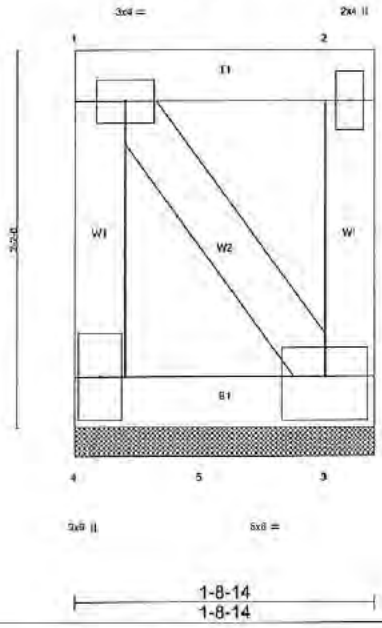
1-5-6 / 1-5-6 — 1-8-14 / 0-3-8



1-8-14 / 1-8-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-8-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
4 = 65/1-8-14 (min. 0-1-8)
3 = 65/1-8-14 (min. 0-1-8)
Max Horz
4 = -65(LC 10)
Max Uplift
4 = -519(LC 27)
3 = -519(LC 30)
Max Grav
4 = 528(LC 34)
3 = 528(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-516/526, 1-2=-350/360
BOT CHORD
4-5=-271/282, 3-5=-416/427
WEBS
1-3=-702/702

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 250.0 plf.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 217
M29679 CHESTNUT SQUARE	SP19	BLOCKING	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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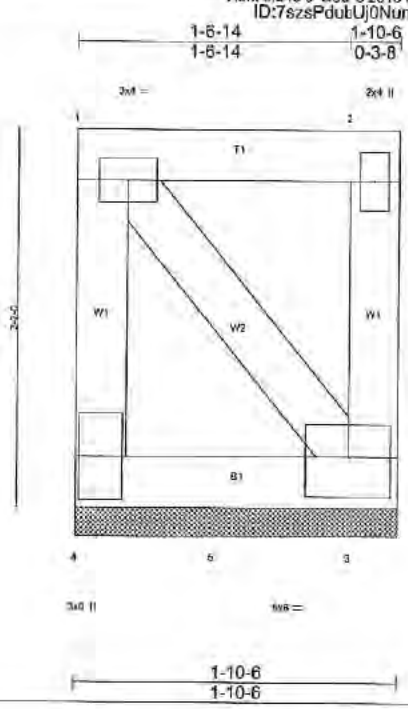

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.23	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.00 3 n/a n/a	Weight: 12 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/1-10-6 (min. 0-1-8)
3 = 71/1-10-6 (min. 0-1-8)
Max Horz
4 = 65(LC 9)
Max Uplift
4 = -516(LC 27)
3 = -516(LC 30)
Max Grav
4 = 526(LC 34)
3 = 526(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-513/524, 1-2=-378/380
BOT CHORD
4-5=-278/281, 3-5=-436/438
WEBS
1-3=-703/703

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Square MMB
M29879 CHESTNUT SQUARE	SP19-1	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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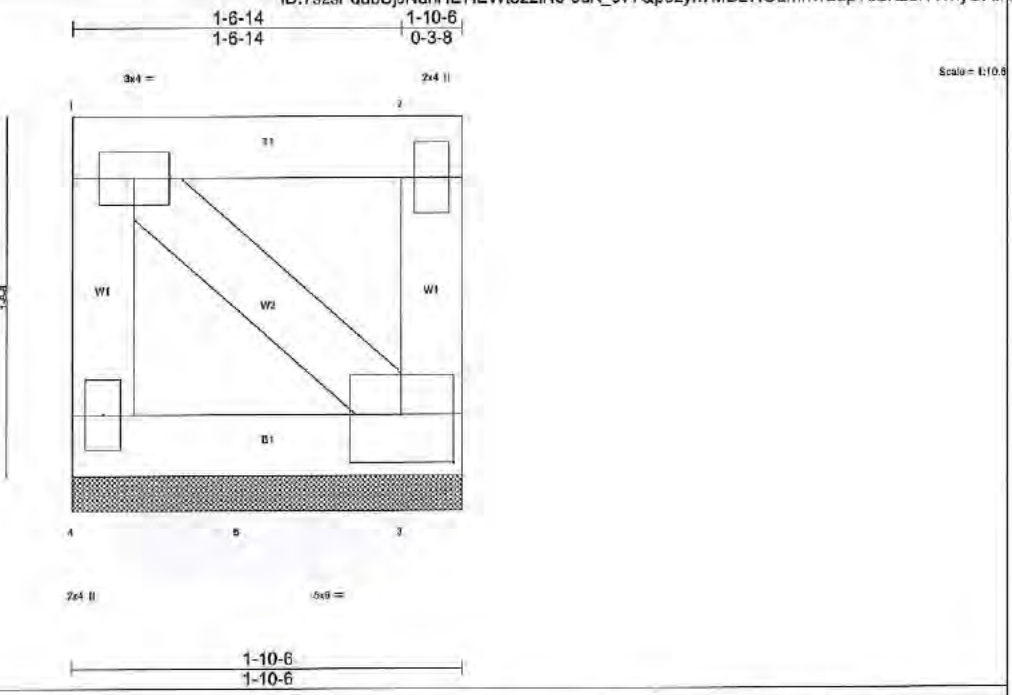

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.17	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.23	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 10 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 71/1-10-6 (min. 0-1-8)
3 = 71/1-10-6 (min. 0-1-8)
Max Horz
4 = -49(LC 10)
Max Uplift
4 = -385(LC 27)
3 = -385(LC 30)
Max Grav
4 = 395(LC 34)
3 = 395(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-382/392, 1-2=-372/380
BOT CHORD
4-5=-265/273, 3-5=-422/430
WEBS
1-3=-597/597

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP19-2	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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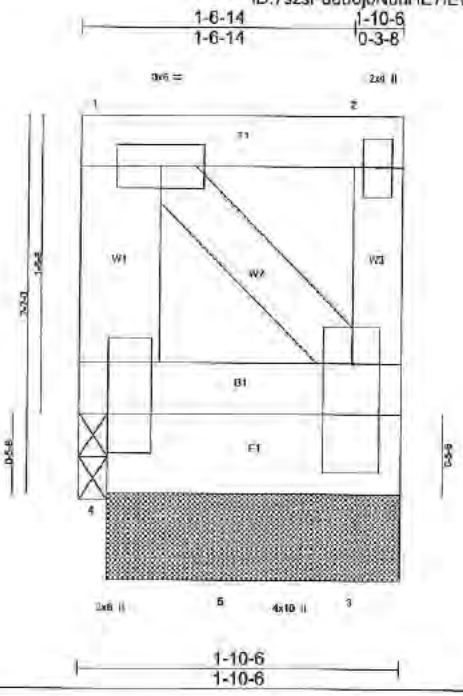

Plate Offsets (X,Y)-- [3:0-7-8,0-2-0], [4:Edge,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.06	Vert(LL) -0.00 4 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.03	Vert(CT) -0.00 4 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 15 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G *Except*
B1: 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W1: 2x6 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 67/1-8-6 (min. 0-1-8)
4 = 67/1-8-6 (min. 0-1-8)
3 = 67/1-8-6 (min. 0-1-8)
Max Horz
4 = -55(LC 8)
Max Uplift
4 = -427(LC 27)
3 = -427(LC 30)
Max Grav
4 = 437(LC 34)
4 = 67(LC 1)
3 = 437(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-425/435, 1-2=-355/364
BOT CHORD
4-5=-261/271, 3-5=-410/420
WEBS
1-3=-621/621

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Non Standard bearing condition. Review required.
7) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 220
M29679 CHESTNUT SQUARE	SP19-4	BLOCKING	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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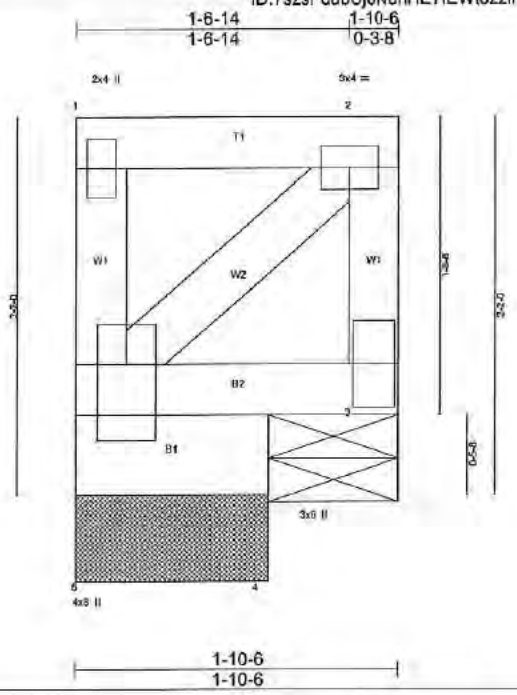

Plate Offsets (X,Y)-- [5:0-5-4,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.19	Vert(LL) -0.00 3-5 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.10	Vert(CT) -0.00 3-5 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 13 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B1: 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
5 = 71/1-1-4 (min. 0-1-8)
3 = 71/0-9-2 (min. 0-1-8)
Max Horz
5 = -53(LC 10)
Max Uplift
5 = -375(LC 27)
3 = -412(LC 30)
Max Grav
5 = 385(LC 34)
3 = 421(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-381/384, 2-3=-475/470
BOT CHORD
4-5=-379/375
WEBS
2-5=-620/620

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
8) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP19-5	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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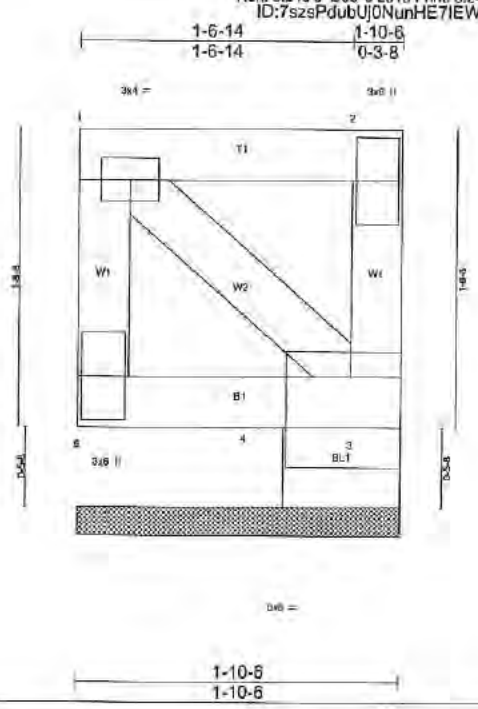

Plate Offsets (X,Y)-- [3:0-3-8,0-1-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.17	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.11	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.01 2 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 12 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
OTHERS 2x6 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
5 = 71/1-10-6 (min. 0-1-8)
2 = 58/1-10-6 (min. 0-1-8)
3 = 13/1-10-6 (min. 0-1-8)
Max Horz
5 = 53(LC 33)
Max Uplift
5 = -397(LC 27)
2 = -16(LC 8)
3 = -344(LC 30)
Max Grav
5 = 407(LC 34)
2 = 58(LC 1)
3 = 365(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-5=-423/432, 1-2=-374/375
BOT CHORD
4-5=-324/327, 3-4=-419/417
WEBS
1-3=-619/619

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.
12) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 222
M29679 CHESTNUT SQUARE	SP19-6	BLOCKING	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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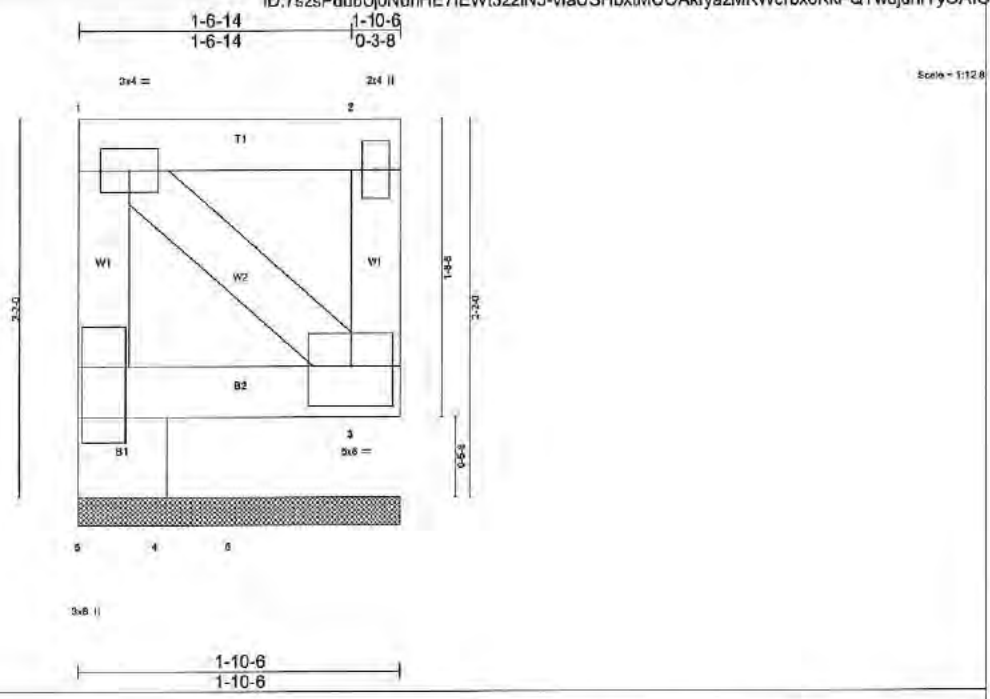

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12], [5:0-5-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 11 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B1: 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
5 = 71/1-10-6 (min. 0-1-8)
3 = 71/1-10-6 (min. 0-1-8)
Max Horz
5 = -53(LC 31)
Max Uplift
5 = -362(LC 27)
3 = -398(LC 30)
Max Grav
5 = 372(LC 34)
3 = 408(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-5=-383/394, 1-2=-372/373
BOT CHORD
3-6=-413/415
WEBS
1-3=-592/593

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

[redacted]

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 223
M29679 CHESTNUT SQUARE	SP19-7	BLOCKING	1	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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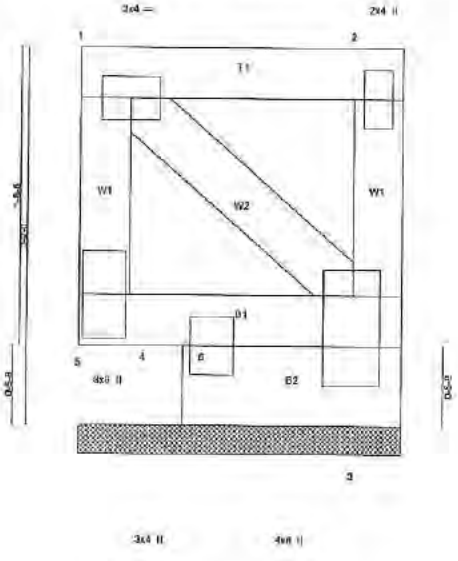
0-7-3 | 0-11-11 | 0-3-8



0-7-3 | 1-10-6
0-7-3 | 1-3-3

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.17	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.06	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 13 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B2: 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
5 = 71/1-10-6 (min. 0-1-8)
3 = 71/1-10-6 (min. 0-1-8)
Max Horz
5 = 53(LC 11)
Max Uplift
5 = -411(LC 27)
3 = -374(LC 30)
Max Grav
5 = 420(LC 34)
3 = 384(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-5=-423/432, 1-2=-374/375
BOT CHORD
3-6=-440/423
WEBS
1-3=-619/619

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
10) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP19-8	BLOCKING	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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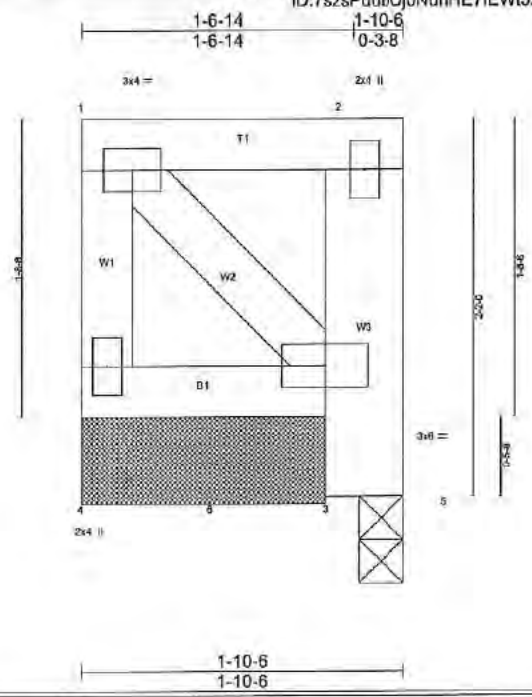

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.16	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.10	Vert(CT)	-0.00	3-4	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.22	Horz(CT)	-0.00	5	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G *Except*
W3: 2x6 DF No.2 G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 67/1-4-14 (min. 0-1-8)
5 = 67/0-3-2 (min. 0-1-8)
Max Horz
4 = 65(LC 11)
Max Uplift
4 = -383(LC 27)
5 = -384(LC 30)
Max Grav
4 = 392(LC 34)
5 = 394(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-380/390, 1-2=-350/351, 3-5=-441/400
BOT CHORD
4-6=-263/267, 3-6=-412/416
WEBS
1-3=-570/571

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 225
M29679 CHESTNUT SQUARE	SP19-9	BLOCKING	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA, 92570

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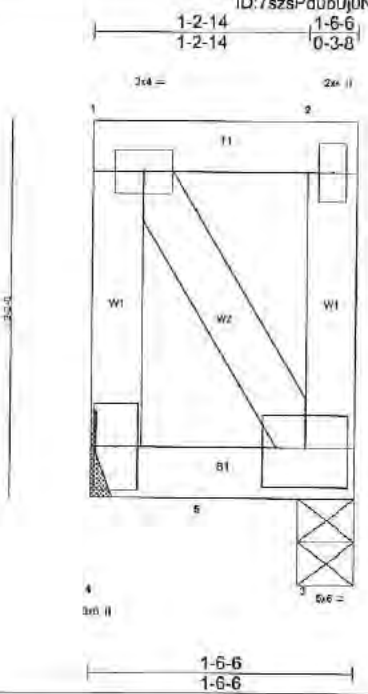

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.24	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.08	Vert(CT)	-0.00	3-4	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.26	Horz(CT)	0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MP						Weight: 11 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-6-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 56/Mechanical
3 = 56/0-4-0 (min. 0-1-8)
Max Horz
4 = -66(LC 28)
Max Uplift
4 = -525(LC 27)
3 = -525(LC 30)
Max Grav
4 = 532(LC 34)
3 = 532(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-531/531, 1-2=-303/305
BOT CHORD
3-5=-361/363
WEBS
1-3=-668/668

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Refer to girder(s) for truss to truss connections.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-6-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP19-10	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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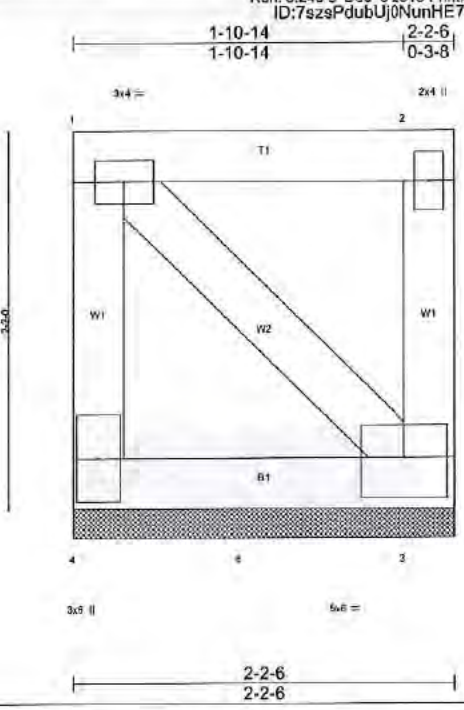

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.23	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.14	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.29	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 13 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-2-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 86/2-2-6 (min. 0-1-8)
3 = 86/2-2-6 (min. 0-1-8)
Max Horz
4 = 65(LC 9)
Max Uplift
4 = -511(LC 27)
3 = -511(LC 30)
Max Grav
4 = 523(LC 34)
3 = 523(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-508/520, 1-2=-453/455
BOT CHORD
4-5=-320/323, 3-5=-511/513
WEBS
1-3=-751/751

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) A plate rating reduction of 20% has been applied for the green lumber members.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-2-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP19-11	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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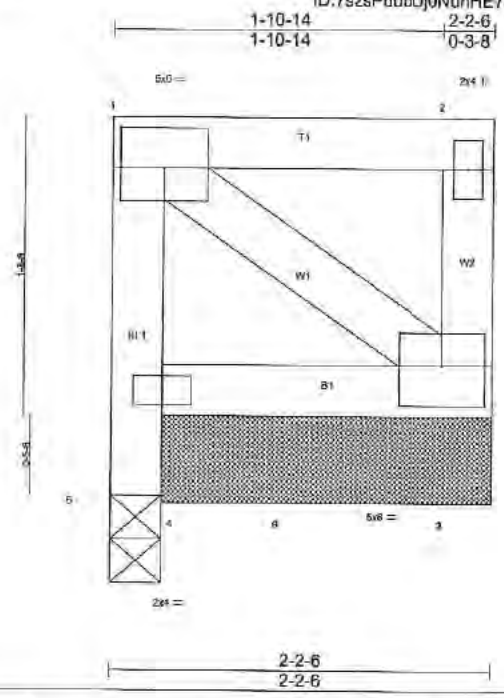

Plate Offsets (X,Y)-- [1:0-3-0,0-2-12], [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.42	Vert(LL) -0.00 3-4 >999 240	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.12	Vert(CT) -0.01 3-4 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.25	Horz(CT) 0.01 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-MSH		Weight: 12 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
5 = 86/1-10-14 (min. 0-1-8)
5 = 86/1-10-14 (min. 0-1-8)
4 = 0/1-10-14 (min. 0-1-8)
3 = 86/1-10-14 (min. 0-1-8)
Max Horz
5 = -65(LC 10)
Max Uplift
5 = -400(LC 27)
3 = -400(LC 30)
Max Grav
5 = 411(LC 34)
5 = 86(LC 1)
3 = 413(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
4-5=-411/400, 1-4=-376/369, 1-2=-483/480
BOT CHORD
3-6=-571/579
WEBS
1-3=-661/662

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Non Standard bearing condition. Review required.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
9) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-2-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP20	BLOCKING SUPPORTED	2	1	Job Reference (optional)

California TrusFrame LLC., Parris, CA. 92570

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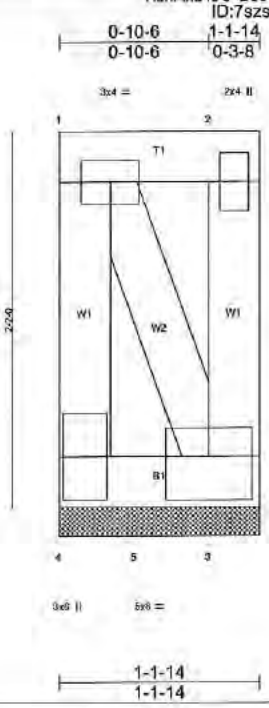

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-1-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
4 = 39/1-1-14 (min. 0-1-8)
3 = 39/1-1-14 (min. 0-1-8)
Max Horz
4 = -66(LC 28)
Max Uplift
4 = -544(LC 27)
3 = -544(LC 30)
Max Grav
4 = 549(LC 34)
3 = 549(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-583/593
BOT CHORD
3-5=-285/296
WEBS
1-3=-676/676

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-1-14 for 250.1 plf.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB	pg 229
M29679 CHESTNUT SQUARE	SP21	BLOCKING SUPPORTED	2	1	Job Reference (optional)	

California TrusFrame LLC., Perris, CA. 92570

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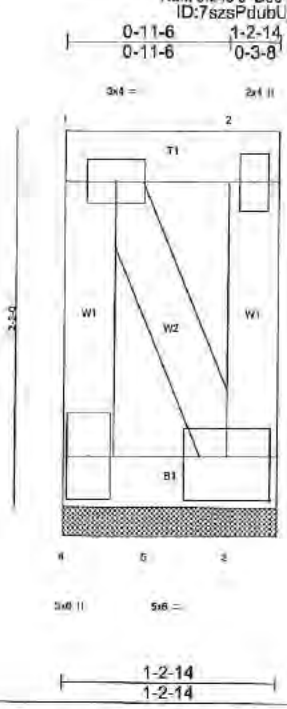

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.26	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.06	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.26	Horz(CT)	0.00	3	n/a	n/a		
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P						Weight: 10 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-2-14 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 43/1-2-14 (min. 0-1-8)
3 = 43/1-2-14 (min. 0-1-8)
Max Horz
4 = 65(LC 9)
Max Uplift
4 = -538(LC 27)
3 = -538(LC 30)
Max Grav
4 = 544(LC 34)
3 = 544(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-567/578
BOT CHORD
3-5=-303/315
WEBS
1-3=-674/674

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-2-14 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP22	BLOCKING SUPPORTED	2	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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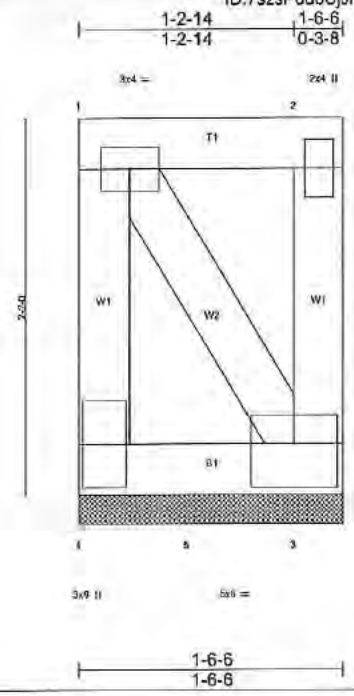

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.25	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.08	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.26	Horz(CT) 0.00 3 n/a n/a	Weight: 11 lb FT = 20%
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-6-6 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

LOAD CASE(S)
Standard

REACTIONS. (lb/size)
4 = 56/1-6-6 (min. 0-1-8)
3 = 56/1-6-6 (min. 0-1-8)
Max Horz
4 = -66(LC 28)
Max Uplift
4 = -525(LC 27)
3 = -525(LC 30)
Max Grav
4 = 532(LC 34)
3 = 532(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-525/540, 1-2=-303/313
BOT CHORD
4-5=-245/256, 3-5=-369/380
WEBS
1-3=-683/683

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-6-6 for 250.0 plf.

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29679-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP23	BLOCKING SUPPORTED	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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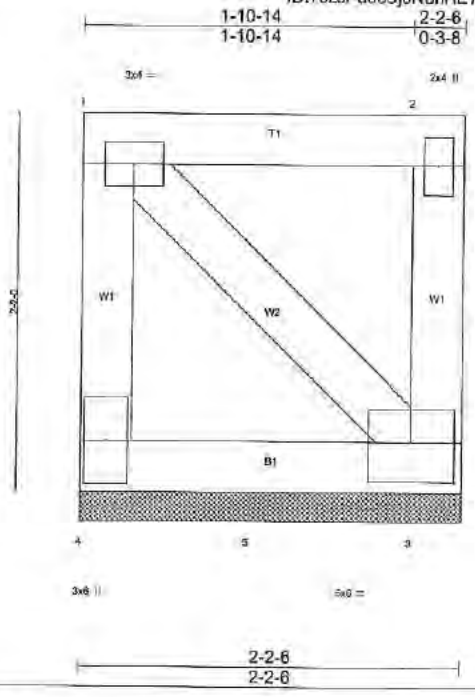

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.24	Vert(LL) n/a - n/a 999	MT20 220/195
TCDL 17.0	Lumber DOL 1.25	BC 0.14	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.29	Horz(CT) 0.00 3 n/a n/a	
BCDL 8.0	Code IBC2015/TPI2014	Matrix-P		Weight: 13 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
4 = 86/2-2-6 (min. 0-1-8)
3 = 86/2-2-6 (min. 0-1-8)
Max Horz
4 = 65(LC 9)
Max Uplift
4 = -511(LC 27)
3 = -511(LC 30)
Max Grav
4 = 523(LC 34)
3 = 523(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-4=-508/520, 1-2=-453/463
BOT CHORD
4-5=-328/340, 3-5=-519/530
WEBS
1-3=-762/762

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-2-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	M29879-Chestnut-Square MMB
M29679 CHESTNUT SQUARE	SP23-1	BLOCKING STRUCTURAL	1	1	Job Reference (optional)

California TrusFrame LLC., Perris, CA. 92570

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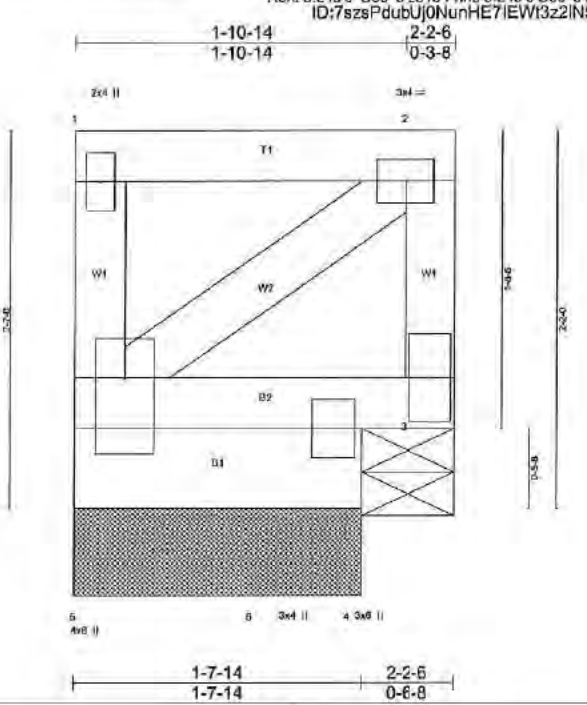

Plate Offsets (X,Y)-- [5:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	-0.00	5	>999	240	MT20	220/195
TCDL	17.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	3-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00		n/a	n/a		
BCDL	8.0	Code IBC2015/TPI2014		Matrix-P							Weight: 15 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except*
B1: 2x6 DF No.2 G
WEBS 2x4 DF Stud/Std G

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
5 = 86/1-7-14 (min. 0-1-8)
3 = 85/0-6-8 (min. 0-1-8)
Max Horz
5 = 235(LC 30)
3 = -207(LC 28)
Max Uplift
5 = -392(LC 27)
3 = -429(LC 30)
Max Grav
5 = 409(LC 48)
3 = 445(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-456/459, 2-3=-475/489
WEBS
2-5=-677/677

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.8psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable studs spaced at 1-4-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Non Standard bearing condition. Review required.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
11) This truss has been designed for a total drag load of 250 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-2-6 for 250.0 plf.

LOAD CASE(S)
Standard

[redacted]