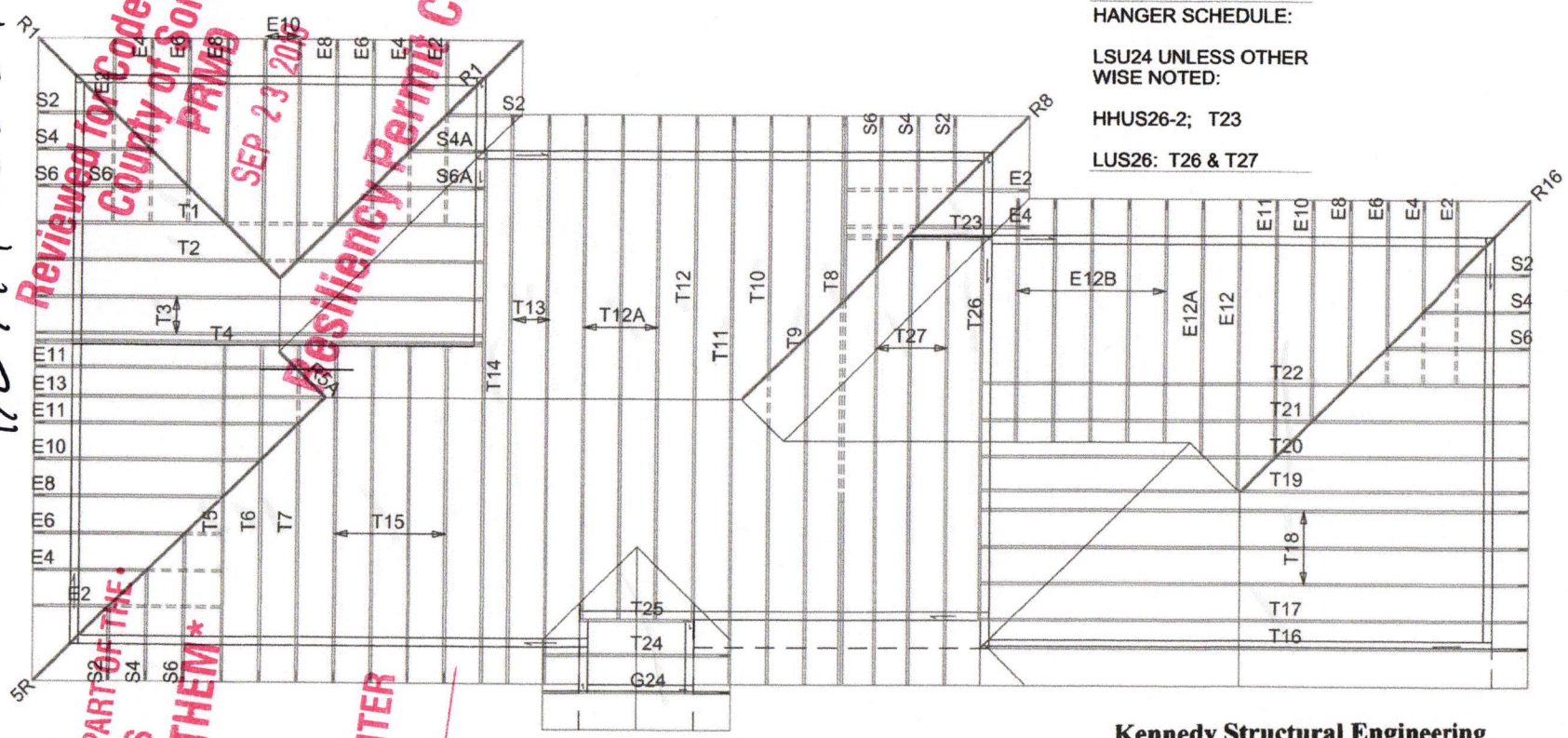
BLD19-2283.PB01

Reviewed for Code Compliance
County of Sonoma
PRMD
SEP 23 2019

Resiliency Permit Center



HANGER SCHEDULE:

LSU24 UNLESS OTHER WISE NOTED:

HHUS26-2; T23

LUS26: T26 & T27

THESE ATTACHMENTS ARE PART OF THE APPROVED PLANS
DO NOT REMOVE THEM
SEP 23 2019
PRMD
RESILIENCY PERMIT CENTER
PERMIT #

Kennedy Structural Engineering
P. O. Box 1092
Penngrove, CA 94951
jeff@kennedyse.com

SHOP DRAWING REVIEW

Review is for general compliance with the Contract Documents. Sole responsibility for correctness of dimensions, details, quantities, and safety during fabrication and erection shall remain with the Contractor.

- [x] No Exceptions Taken
- [ ] Furnish with Changes Noted
- [ ] Amend and Resubmit
- [ ] Rejected: _____

By _____ Date 7/18/19

OFFICE

Designer: BRR
Description: REID FIRE REPLACEMENT
Address: 134 DOVER CT

JOB NO:
81225

PAGE NO:
1 OF 1

07/12/2019

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SHOP DRAWING REVIEW

Review is for general compliance with the Contract Documents. Sole responsibility for correctness of dimensions, details, quantities, and safety during fabrication and erection shall remain with the Contractor.

- [x] No Exceptions Taken
- [ ] Furnish with Changes Noted
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- [ ] Rejected: _____

By _____ Date 7/18/19

Site Information:	Page 1:
Customer: American Truss Company, Inc.	*Job Number:* 81225
Job Description: /REID FIRE REPLACEMENT /MEAD CLARK	
Address: 134 DOVER CT, SANTA ROSA, CA	

Job Engineering Criteria:	
Design Code: CBC 2016 Res	*IntelliVIEW Version:* 17.02.02 *JRef #:* 1WMP8800001
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 110	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 49 truss drawing(s) and 6 detail(s).

Item	Seal #	Truss
1	193.19.0721.12107	T1
3	193.19.0722.57107	T3
5	193.19.0723.52240	T5
7	193.19.0724.00480	T7
9	193.19.0724.11833	T9
11	193.19.0724.19167	T11
13	193.19.0724.29477	T12A
15	193.19.0724.44003	T14*
17	193.19.0725.35460	T16
19	193.19.0729.22953	T18
21	193.19.0734.15050	T20
23	193.19.0734.56363	T22
25	193.19.0735.51180	G24
27	193.19.0735.56040	T25*
29	193.19.0736.17790	T27
31	193.19.0736.33520	E4
33	193.19.0736.43397	E8
35	193.19.0737.06327	E11
37	193.19.0737.18330	E13
39	193.19.0738.14027	E12A
41	193.19.0738.25727	S4
43	193.19.0738.30490	S4A
45	193.19.0738.45943	R1
47	193.19.0739.22750	5R
49	193.19.0740.03960	R16

Item	Seal #	Truss
2	193.19.0721.40090	T2
4	193.19.0723.33337	T4
6	193.19.0723.57050	T6
8	193.19.0724.07100	T8
10	193.19.0724.15707	T10
12	193.19.0724.25247	T12*
14	193.19.0724.35247	T13
16	193.19.0724.47153	T15
18	193.19.0726.19453	T17
20	193.19.0729.56750	T19
22	193.19.0734.42100	T21
24	193.19.0735.28963	T23
26	193.19.0735.54063	T24
28	193.19.0736.09113	T26*
30	193.19.0736.29450	E2
32	193.19.0736.39350	E6
34	193.19.0736.57417	E10
36	193.19.0737.11040	E12
38	193.19.0738.09603	E12B
40	193.19.0738.19120	S2
42	193.19.0738.27730	S6
44	193.19.0738.34267	S6A
46	193.19.0739.08753	R1
48	193.19.0739.43007	R8

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:
The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AF&PA. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:
Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:
The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

Connector Plate Information:
Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

General Notes (continued)

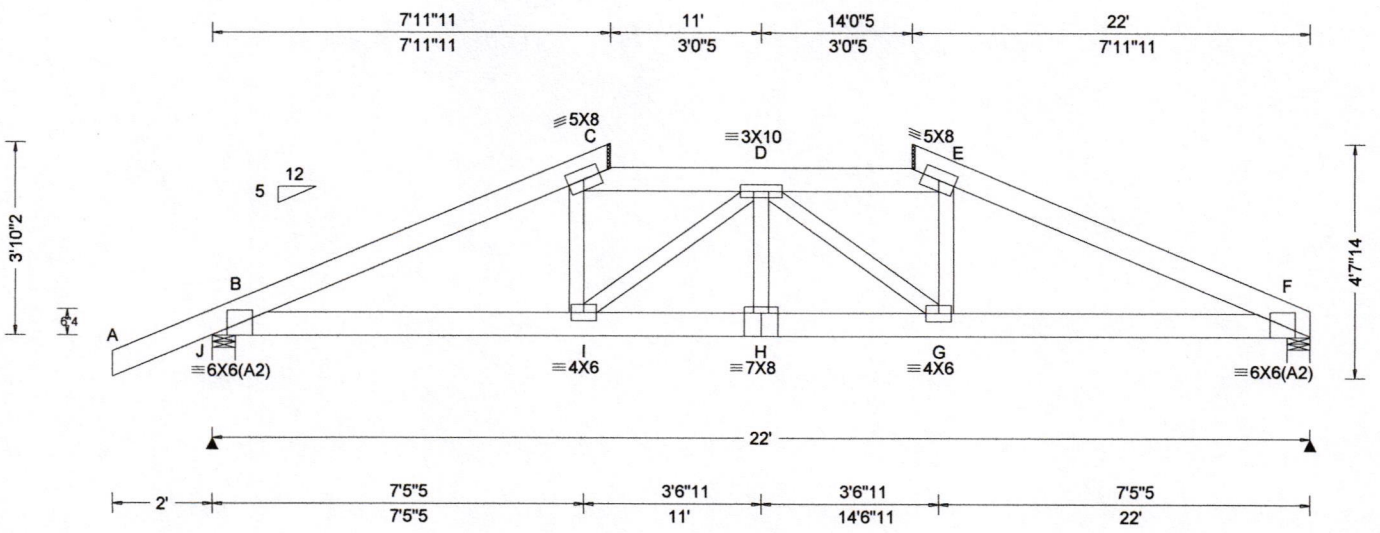
Key to Terms:
Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.
HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.
HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.
L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.
L/defl = ratio of Length between bearings, in inches, divided by the immediate vertical Deflection, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.
Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.
Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.
NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.
PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.
PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds
PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.
PP = Panel Point.
R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

References:
1. AF&PA: American Forest & Paper Association, 1111 19th Street, NW, Suite 800, Washington, DC 20036; www.afandpa.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.
4. TPI: Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.co

SEQN: 296306 CHIP FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T1	Cust: R 880 JRef: 1WMP8800001 T31 DrwNo: 193.19.0721.12107 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.119	H	999	360
VERT(CL): 0.241	H	999	240
HORZ(LL): 0.038	G	-	-
HORZ(TL): 0.078	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.326
Max BC CSI: 0.903
Max Web CSI: 0.559

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity	
Loc	R+ / R-	/ Rh		/ Rw	/ U / RL
J	2049 /-	/-		/-	/26 /-
F	1903 /-	/-		/-	/5 /-

Wind reactions based on MWFRS
J Brg Width = 5.5 Min Req = 2.2
F Brg Width = 5.5 Min Req = 2.0
Bearings J & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	65	-3785	D - E	46	-3810
B - C	39	-4120	E - F	19	-4143

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	3724	0	H - G	4586	-13
I - H	4586	-13	G - F	3750	-2

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	22	-1060	D - G	17	-1027
C - I	1376	0	G - E	1375	0

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x5.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

#1 hip with 7-11-11 setback supports jack trusses, or rafters and joists, spanning between this truss and the end wall. Corner(s) framed with a hipJack supporting corner rafters and joists, or open-end jacks.

Extend sloping top chord of truss and jacks to hip rafter. Support extensions every 2.00 ft to flat TC. Spacing of supports originates from #1 hip. Attach 2x4 lateral bracing to flat TC @ 24" oc with 2-16d Box or Gun nails(0.135"x3.5",min.) and diagonally brace per DWG. BRCALHIP0118. Support hip rafter with cripples at 2-9-15 oc.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Building designer is responsible for conventional framing.

07/12/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise,top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

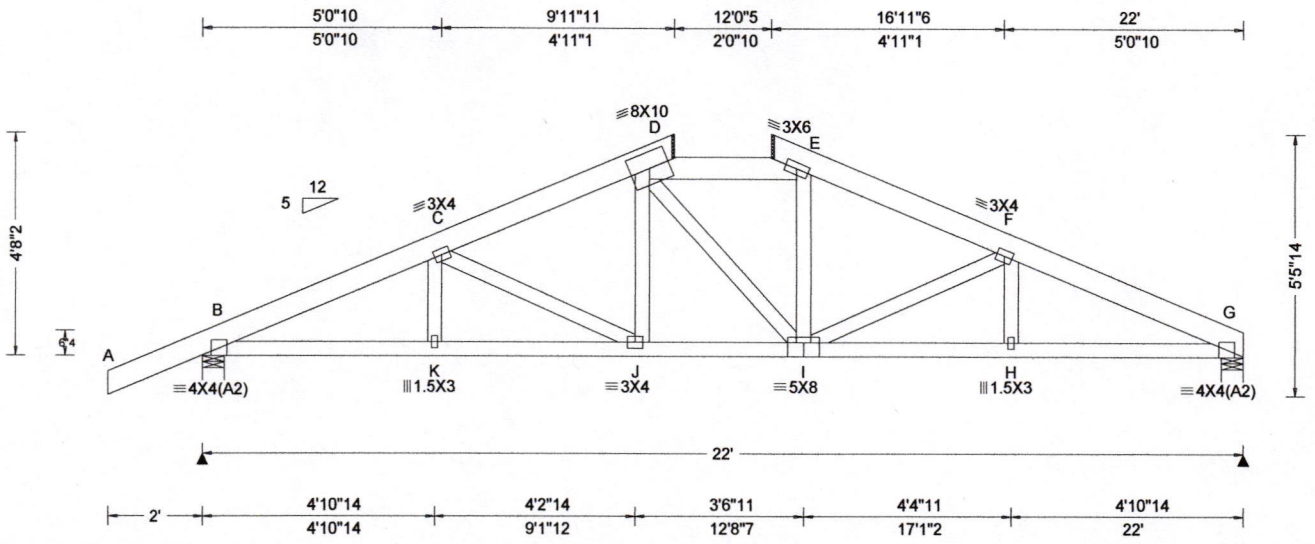
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

American Truss Company, Inc.
4550 Spring Hill Road
PETALUMA CA 94952
(707) 763-8713 Ext

ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296309 CHIP FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T2	Cust: R 880 JRef: 1WMP8800001 T37 DrwNo: 193.19.0721.40090 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.047	J	999	360
VERT(CL): 0.094	J	999	240
HORZ(LL): 0.022	H	-	-
HORZ(TL): 0.045	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.236
Max BC CSI: 0.429
Max Web CSI: 0.148

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	1054 /-	/-	/-	/26	/-
G	908 /-	/-	/-	/4	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	56	- 1211	E - F	48	- 1364
B - C	35	- 1688	F - G	50	- 1735
C - D	46	- 1363			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	1490	0	I - H	1542	- 9
K - J	1489	- 2	H - G	1544	- 8
J - I	1203	- 5			

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Use this design for common hip trusses @ 24.0" oc. Extend sloping TC of truss and jacks to hip rafter. Support extensions every 2.00 ft to flat TC. Spacing of supports originates from #1 hip. Attach 2x4 lateral bracing to flat TC @ 24" oc with 2-16d Box or Gun nails(0.135"x3.5",min.) and diagonally brace per DWG. BRCALHIP0118. Support hip rafter with cripples at 2-9-15 oc.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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(707) 763-8713 Ext

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AN ITW COMPANY

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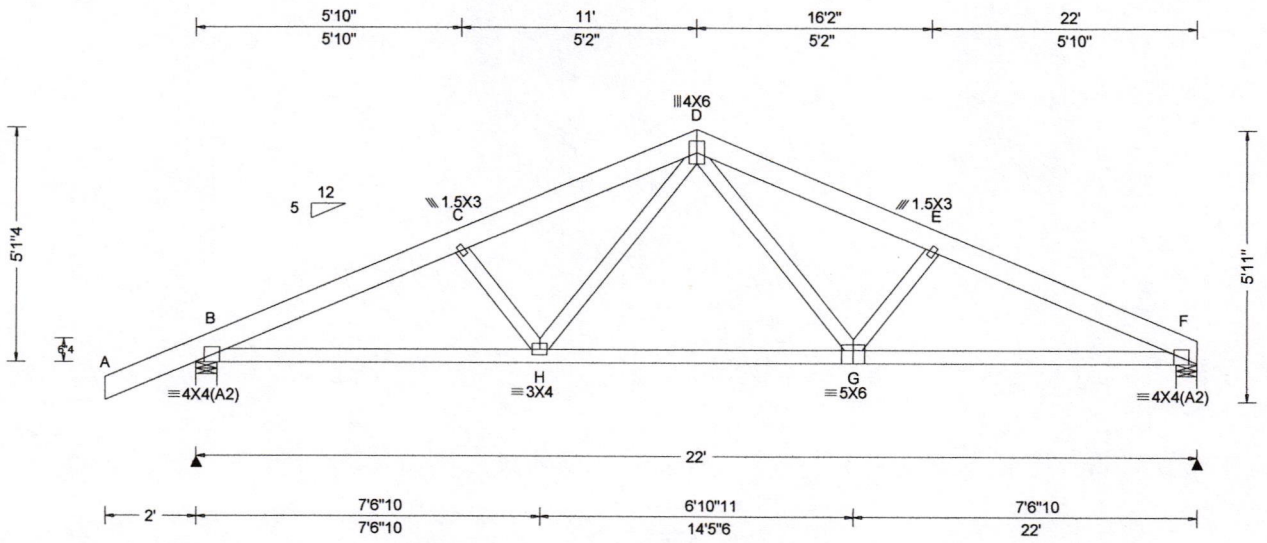
Sacramento, CA 95826

SEQN: 296312 COMN FROM:	Ply: 1 Qty: 2	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T3	Cust: R 880 JRef: 1WMP8800001 T18 DrwNo: 193.19.0722.57107 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.044	H	999	360
VERT(CL): 0.088	H	999	240
HORZ(LL): 0.020	G	-	-
HORZ(TL): 0.040	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.187
Max BC CSI: 0.513
Max Web CSI: 0.199

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1037	/-	/-	/575	/18	/90
F	891	/-	/-	/484	/0	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	94	- 1623	D - E	120	- 1468
C - D	105	- 1442	E - F	109	- 1656

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	1431	- 46	G - F	1471	- 52
H - G	1027	- 6			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - D	454	- 1	D - G	490	- 8

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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(707) 763-8713 Ext

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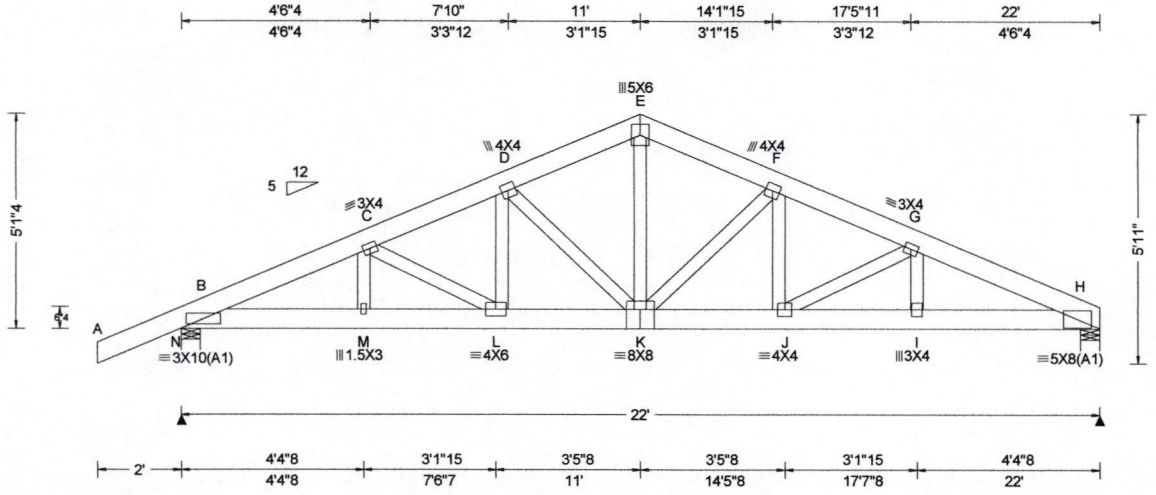
8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296426 COMN FROM:	Ply: 2 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T4	Cust: R 880 JRef: 1WMP8800001 T36 DrwNo: 193.19.0723.33337 / RTT 07/12/2019

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.097	J	999	360
VERT(CL): 0.191	J	999	240
HORZ(LL): 0.034	I	-	-
HORZ(TL): 0.067	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.239
Max BC CSI: 0.741
Max Web CSI: 0.843

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	3354	/-	/-	/-	/7	/-
H	4150	/-	/-	/121	/-	/-

Wind reactions based on MWFRS
N Brg Width = 5.5 Min Req = 1.8
H Brg Width = 5.5 Min Req = 2.2
Bearings N & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-3548	E - F	0	-2916
C - D	0	-3667	F - G	0	-3699
D - E	0	-2906	G - H	0	-4299

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	3233	0	K - J	3350	0
M - L	3238	0	J - I	3923	0
L - K	3318	0	I - H	3938	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - D	869	0	F - J	879	0
D - K	10	-891	J - G	0	-606
E - K	2073	0	G - I	490	0
K - F	0	-936			

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x5.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	8.06
TC: From	31 plf at	8.06 to	31 plf at	11.00
TC: From	62 plf at	11.00 to	62 plf at	22.00
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	8.06
BC: From	10 plf at	8.06 to	10 plf at	22.00

BC: 1798 lb Conc. Load at 8.06
BC: 677 lb Conc. Load at 10.06
BC: 724 lb Conc. Load at 12.06
BC: 652 lb Conc. Load at 14.06,16.06,18.06,20.06

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Wind

Wind loads and reactions based on MWFRS.

07/12/2019

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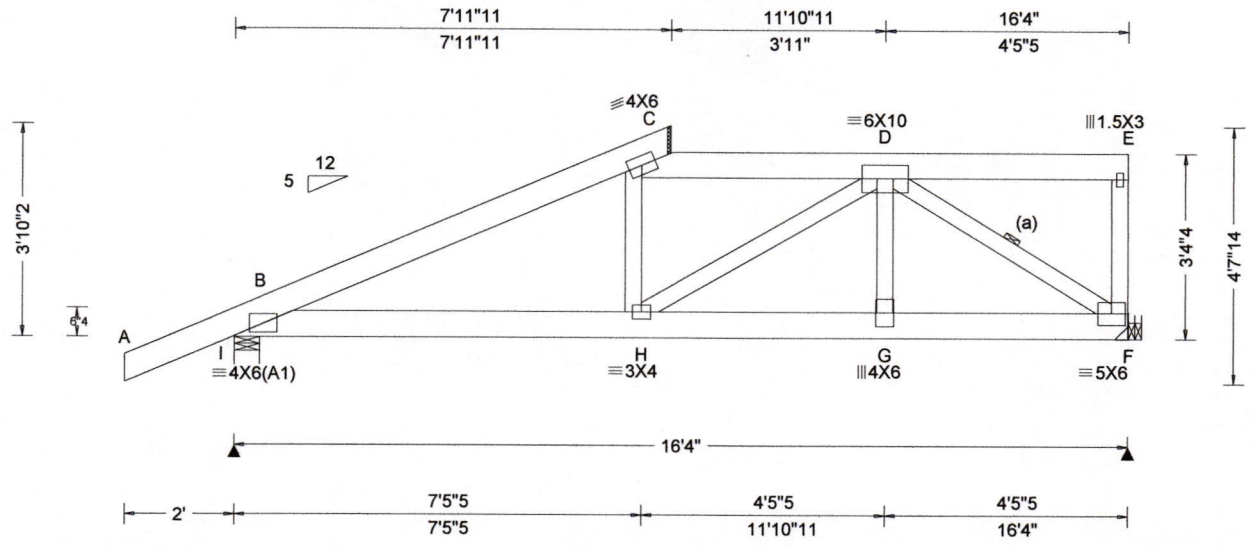
Sacramento, CA 95826

SEQN: 296314 CHIP FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T5	Cust: R 880 JRef: 1WMP8800001 T10 DrwNo: 193.19.0723.52240 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.045	H	999	360
VERT(CL): 0.090	H	999	240
HORZ(LL): 0.016	F	-	-
HORZ(TL): 0.032	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.344
Max BC CSI: 0.683
Max Web CSI: 0.394

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	1602	/-	/-	/-	/45	/-
F	1798	/-	/-	/-	/18	/-

Wind reactions based on MWFRS
I Brg Width = 5.5 Min Req = 1.7
F Brg Width = - Min Req = -
Bearing I is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	43	-2429	B - C	68	-2683

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	2410	-45	G - F	2176	-44
H - G	2176	-44			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - G	863	0	D - F	53	-2585

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x5.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	7.97
TC: From	2 plf at	8.00 to	2 plf at	16.33
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	2.06
BC: From	10 plf at	2.06 to	10 plf at	15.09
BC: From	20 plf at	15.09 to	20 plf at	16.33

TC: 586 lb Conc. Load at 8.06
TC: 63 lb Conc. Load at 10.06
TC: 66 lb Conc. Load at 12.06,13.50,15.09
BC: 121 lb Conc. Load at 2.06
BC: 123 lb Conc. Load at 4.06
BC: 126 lb Conc. Load at 6.06
BC: 130 lb Conc. Load at 8.06
BC: 304 lb Conc. Load at 10.06,12.06,13.50,15.09

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

07/12/2019

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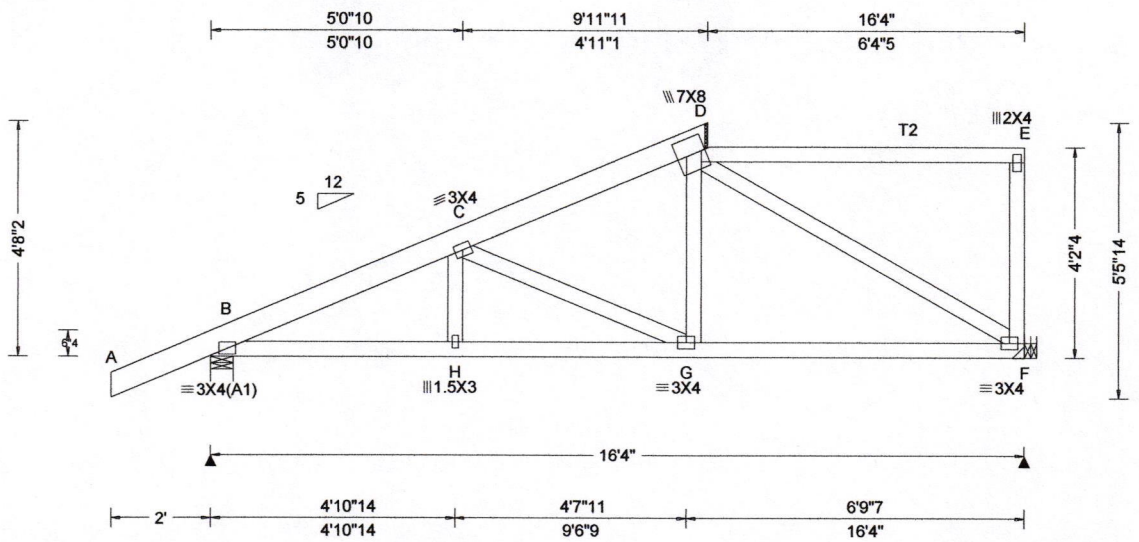
SEQN: 296318 CHIP FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T6	Cust: R 880 JRef: 1WMP8800001 T35 DrwNo: 193.19.0723.57050 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.021	H	999	360
VERT(CL): 0.047	H	999	240
HORZ(LL): 0.009	F	-	-
HORZ(TL): 0.020	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.835
Max BC CSI: 0.504
Max Web CSI: 0.718

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	820	/-	/-	/-	/33	/-
F	677	/-	/-	/22	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	6	-1149	C - D	0	-773

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	1002	0	G - F	649	0
H - G	1000	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
G - D	393	0	D - F	0	-745

Lumber

Top chord 1.5"x5.5625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #2(g):
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	9.97
TC: From	2 plf at	10.00 to	2 plf at	16.33
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	16.33

TC: 46 lb Conc. Load at 10.06
TC: 121 lb Conc. Load at 12.06,15.09
TC: 123 lb Conc. Load at 13.50

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

07/12/2019

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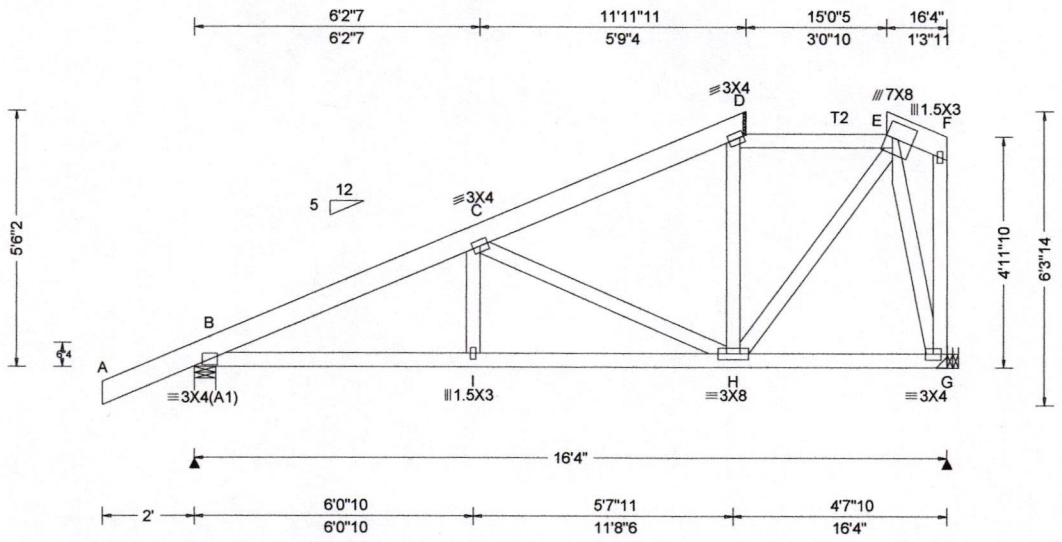
Sacramento, CA 95826

SEQN: 296320 CHIP FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T7	Cust: R 880 JRef: 1WMP8800001 T8 DrwNo: 193.19.0724.00480 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.023	I	999	360
VERT(CL): 0.048	I	999	240
HORZ(LL): 0.008	G	-	-
HORZ(TL): 0.017	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.184
Max BC CSI: 0.375
Max Web CSI: 0.376

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	833	/-	/-	/-	/37	/-
G	724	/-	/-	/6	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-486	C - D	9	-600
B - C	17	-1155			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1003	-2	I - H	1001	-4

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	12	-573	E - G	12	-724
H - E	576	0			

Lumber

Top chord 1.5"x5.5625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #2(g):
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	11.97
TC: From	2 plf at	11.97 to	2 plf at	15.03
TC: From	62 plf at	15.03 to	62 plf at	16.33
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	16.33

TC: 99 lb Conc. Load at 12.06
TC: 103 lb Conc. Load at 13.50
TC: 71 lb Conc. Load at 14.94

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

07/12/2019

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

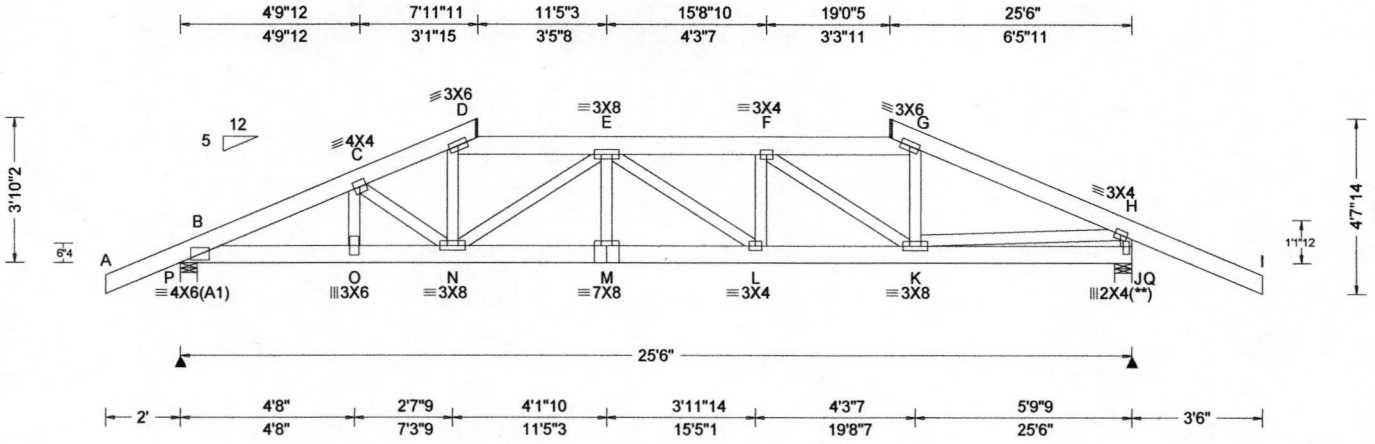
American Truss Company, Inc.
4550 Spring Hill Road
PETALUMA CA 94952
(707) 763-8713 Ext

ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296341 CHIP FROM:	Ply: 2 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T8	Cust: R 880 JRef: 1WMP8800001 T16 DrwNo: 193.19.0724.07100 / RTT 07/12/2019

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.048	M	999	360
VERT(CL): 0.101	M	999	240
HORZ(LL): 0.014	H	-	-
HORZ(TL): 0.028	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.225
Max BC CSI: 0.442
Max Web CSI: 0.306

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	2454	/-	/-	/163	/-	/-
Q	1294	/-	/-	/44	/-	/-

Wind reactions based on MWFRS
P Brg Width = 5.5 Min Req = 1.5
Q Brg Width = 5.5 Min Req = 1.5
Bearings P & Q are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1516	E - F	0	-1125
B - C	0	-2397	F - G	0	-713
C - D	0	-1648	G - H	0	-825

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - O	2179	0	M - L	1407	0
O - N	2157	0	L - K	1100	0
N - M	1407	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - C	752	0	F - K	0	-478
C - N	0	-806	K - H	712	0
N - D	509	0	H - J	0	-619

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x5.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	7.97
TC: From	2 plf at	7.97 to	2 plf at	19.03
TC: From	62 plf at	19.03 to	62 plf at	29.00
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	2.06
BC: From	10 plf at	2.06 to	10 plf at	4.62
BC: From	20 plf at	4.62 to	20 plf at	25.50
BC: From	4 plf at	25.50 to	4 plf at	29.00

TC: 231 lb Conc. Load at 8.12
BC: 121 lb Conc. Load at 2.06
BC: 123 lb Conc. Load at 4.06
BC: 1513 lb Conc. Load at 4.62

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

Wind loads and reactions based on MWFRS.

07/12/2019

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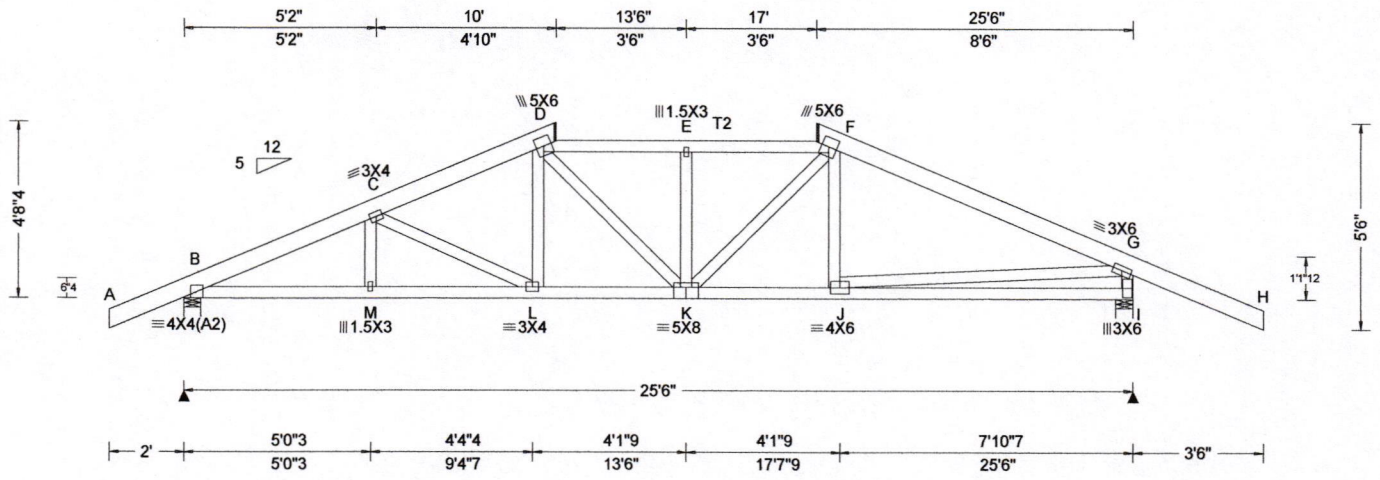
SEQN: 296336 HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T9	Cust: R 880 JRef: 1WMP8800001 T3 DrwNo: 193.19.0724.11833 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.067	E	999	360
VERT(CL): 0.132	E	999	240
HORZ(LL): 0.023	G	-	-
HORZ(TL): 0.045	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.450
Max BC CSI: 0.660
Max Web CSI: 0.520

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1169	/-	/-	/672	/-	/104
I	1276	/-	/-	/727	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
I Brg Width = 5.5 Min Req = 1.5
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	3	-1955	E - F	0	-1636
C - D	6	-1627	F - G	0	-1560
D - E	0	-1636			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	1733	0	L - K	1443	0
M - L	1732	0	K - J	1333	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - K	10	-452	J - G	1280	0
K - F	430	-43	G - I	180	-1206

Lumber

Top chord 1.5"x5.5625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #2(g):
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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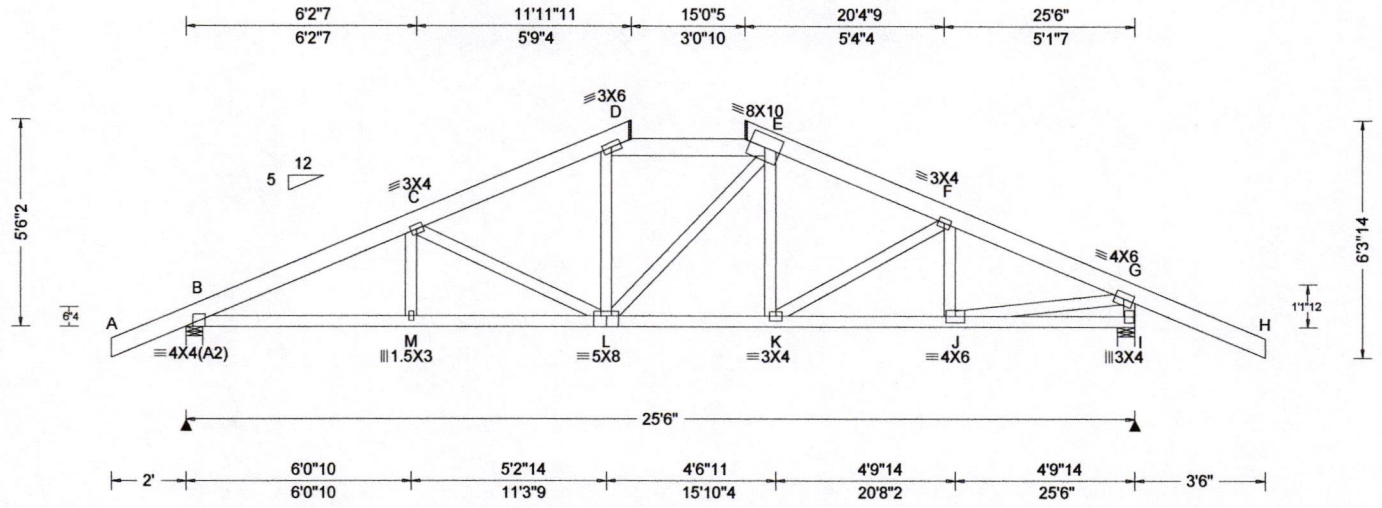
SEQN: 296365 CHIP FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T10	Cust: R 880 JRef: 1WMP8800001 T5 DrwNo: 193.19.0724.15707 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.054	L	999	360
VERT(CL): 0.107	L	999	240
HORZ(LL): 0.023	I	-	-
HORZ(TL): 0.045	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.450
Max BC CSI: 0.491
Max Web CSI: 0.552

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1172	/-	/-	/-	/41	/-
I	1278	/-	/-	/-	/65	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
I Brg Width = 5.5 Min Req = 1.5
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	8	-1305	E - F	17	-1406
B - C	27	-1945	F - G	9	-1556
C - D	23	-1479			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	1722	-11	L - K	1240	-6
M - L	1720	-12	K - J	1362	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - L	6	-464	G - I	89	-1234
J - G	1359	0			

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	29.00
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	25.50
BC: From	4 plf at	25.50 to	4 plf at	29.00
TC:	4 lb Conc. Load at 12.06			

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

07/12/2019

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(707) 763-8713 Ext

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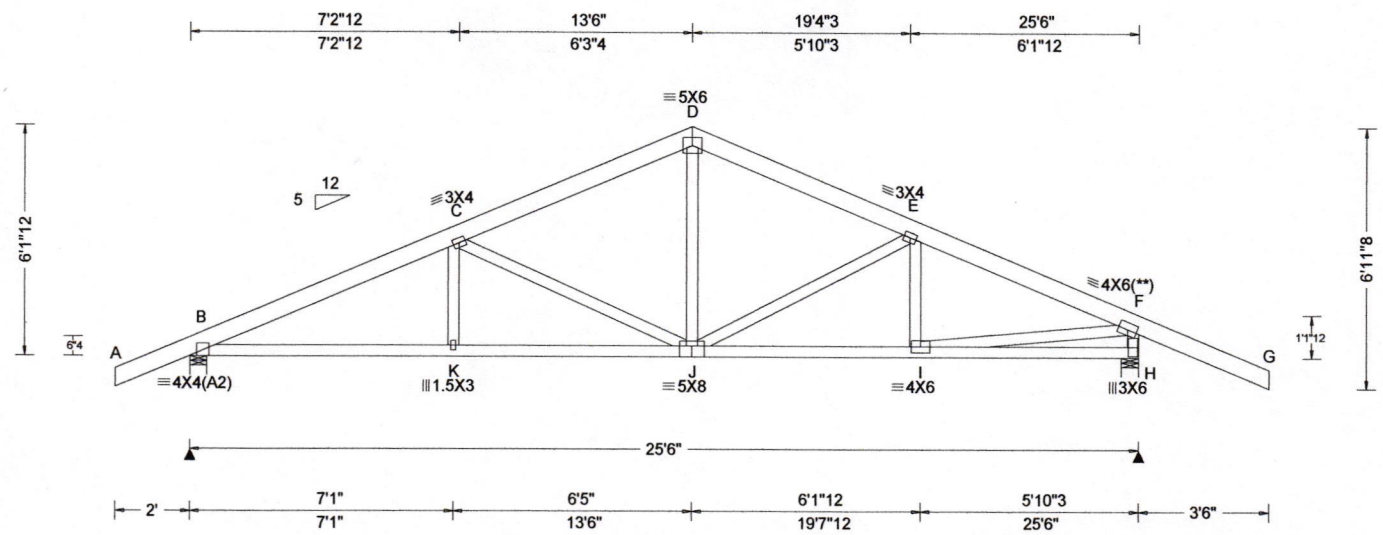
SEQN: 296368 SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T11	Cust: R 880 JRef: 1WMP8800001 T22 DrwNo: 193.19.0724.19167 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.058	K	999	360
VERT(CL): 0.115	K	999	240
HORZ(LL): 0.023	F	-	-
HORZ(TL): 0.046	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.450
Max BC CSI: 0.495
Max Web CSI: 0.559

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1169	/-	/-	/657	/-	/130
H	1276	/-	/-	/710	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
H Brg Width = 5.5 Min Req = 1.5
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	61	- 1905	D - E	91	- 1294
C - D	100	- 1303	E - F	63	- 1593

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	1680	0	J - I	1388	0
K - J	1678	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	51	- 634	I - F	1375	0
D - J	570	0	F - H	220	- 1224

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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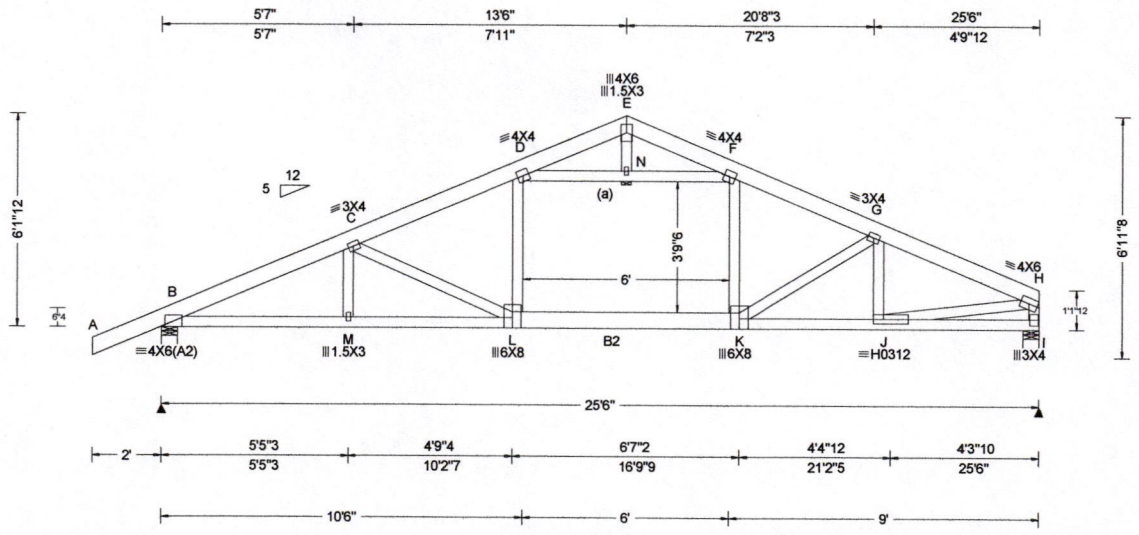
Sacramento, CA 95826

SEQN: 296373 SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T12*		Cust: R 880 JRef: 1WMP8800001 T32 DrwNo: 193.19.0724.25247 / RTT 07/12/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 288.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.112	L	999	360
VERT(CL): 0.243	L	999	240
HORZ(LL): 0.036	D	-	-
HORZ(TL): 0.084	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.388
Max BC CSI: 0.676
Max Web CSI: 0.711

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1350	/-	/-	/707	/129	/501
I	1214	/-	/-	/632	/121	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
I Brg Width = 5.5 Min Req = 1.5
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	252	-2382	F - G	279	-1980
C - D	281	-2017	G - H	223	-1966

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	2124	-219	L - K	1778	-246
M - L	2124	-221	K - J	1786	-205

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - L	36	-491	N - F	194	-1491
L - D	472	-39	J - H	1749	-198
D - N	194	-1491	H - I	140	-1163

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g) :B2 1.5"x5.5625" DF-L #2(g):
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	25.50
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	10.62
BC: From	80 plf at	10.62 to	80 plf at	16.45
BC: From	20 plf at	16.45 to	20 plf at	25.50

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

WARNING: 20 psf additional bottom chord live load check has been modified

Loading

Truss transfers a maximum horizontal load of 500 # (19.61 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 500 19.61 TC 0.00 25.50
500 BC 0.00

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

07/12/2019

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4550 Spring Hill Road
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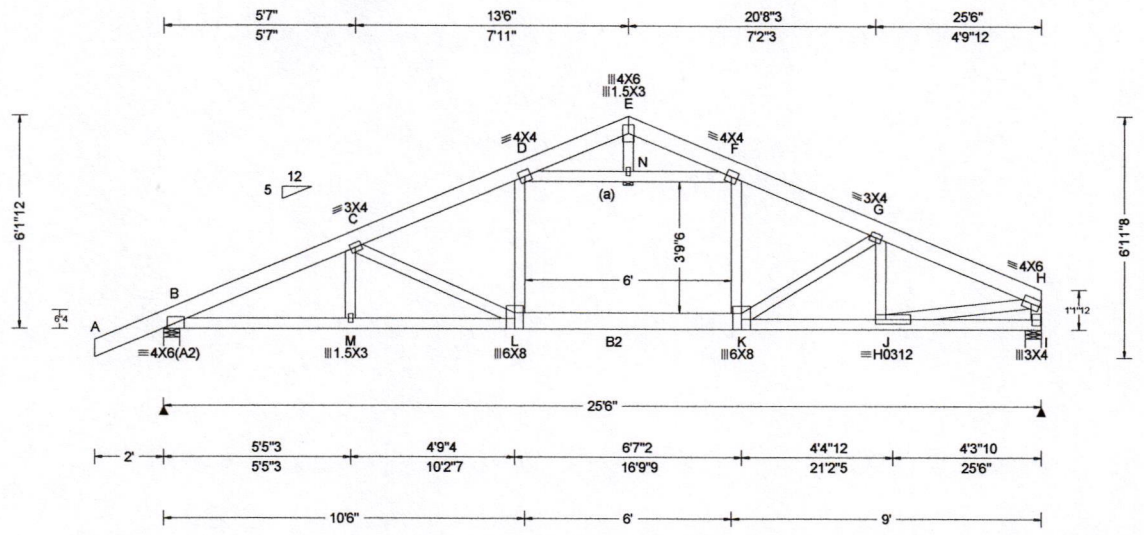
(707) 763-8713 Ext

ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296370 SPEC	Ply: 1	**Job Number:** 81225	Cust: R 880 JRef: 1WMP8800001 T26
FROM:	Qty: 3	/REID FIRE REPLACEMENT /MEAD CLARK	DrwNo: 193.19.0724.29477
		Truss Label: T12A	/ RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 18.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.112	L	999	360
VERT(CL): 0.243	L	999	240
HORZ(LL): 0.036	D	-	-
HORZ(TL): 0.084	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.388
Max BC CSI: 0.676
Max Web CSI: 0.711

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1350	/-	/-	/659	/129	/100
I	1214	/-	/-	/552	/121	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
I Brg Width = 5.5 Min Req = 1.5
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	252	-2382	F - G	279	-1980
C - D	281	-2017	G - H	223	-1966

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	2124	-219	L - K	1778	-246
M - L	2124	-221	K - J	1786	-205

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - L	36	-491	N - F	194	-1491
L - D	472	-39	J - H	1749	-198
D - N	194	-1491	H - I	140	-1163

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g) :B2 1.5"x5.5625" DF-L #2(g):
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	25.50
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	10.62
BC: From	80 plf at	10.62 to	80 plf at	16.45
BC: From	20 plf at	16.45 to	20 plf at	25.50

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

WARNING: 20 psf additional bottom chord live load check has been modified

REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREN
No. C 72160
CIVIL
STATE OF CALIFORNIA
07/12/2019

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(707) 763-8713 Ext

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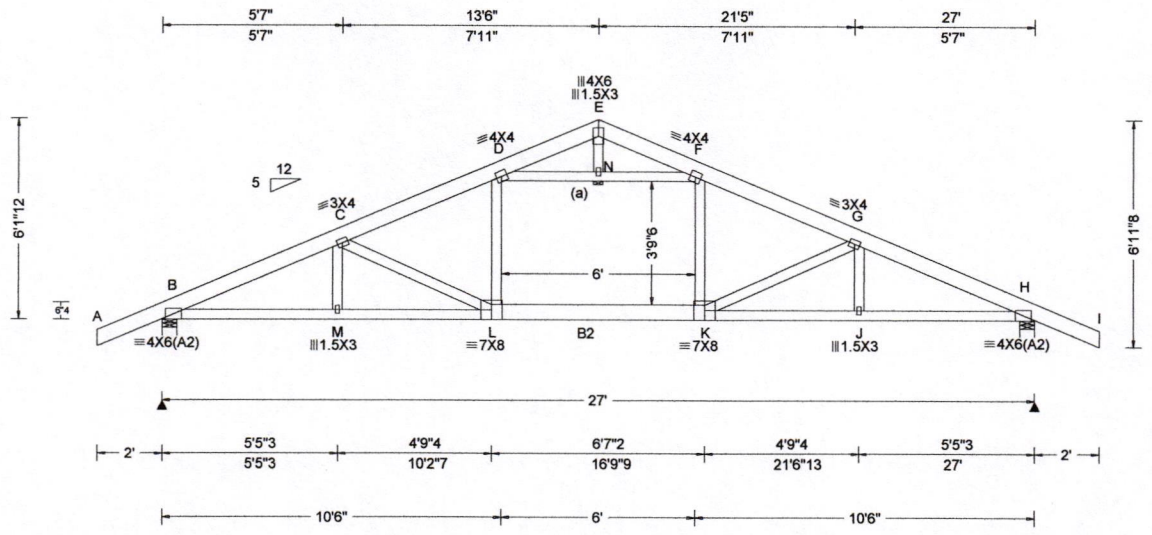
8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296375 COMN FROM:	Ply: 1 Qty: 3	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T13	Cust: R 880 JRef: 1WMP8800001 T27 DrwNo: 193.19.0724.35247 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 18.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.099	L	999	360
VERT(CL): 0.226	K	999	240
HORZ(LL): 0.043	J	-	-
HORZ(TL): 0.076	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.338
Max BC CSI: 0.661
Max Web CSI: 0.374

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1409	/-	/-	/684	/135	/119
H	1410	/-	/-	/684	/135	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
H Brg Width = 5.5 Min Req = 1.5
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	263	-2503	F - G	298	-2199
C - D	298	-2198	G - H	265	-2506

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	2231	-228	K - J	2235	-233
M - L	2232	-231	J - H	2234	-230
L - K	1961	-263			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - L	51	-442	N - F	214	-1682
L - D	463	-39	F - K	467	-42
D - N	214	-1682	K - G	56	-448

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g) :B2 1.5"x5.5625" DF-L #2(g):
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	29.00
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	10.62
BC: From	80 plf at	10.62 to	80 plf at	16.45
BC: From	20 plf at	16.45 to	20 plf at	27.00
BC: From	4 plf at	27.00 to	4 plf at	29.00

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

WARNING: 20 psf additional bottom chord live load check has been modified

07/12/2019

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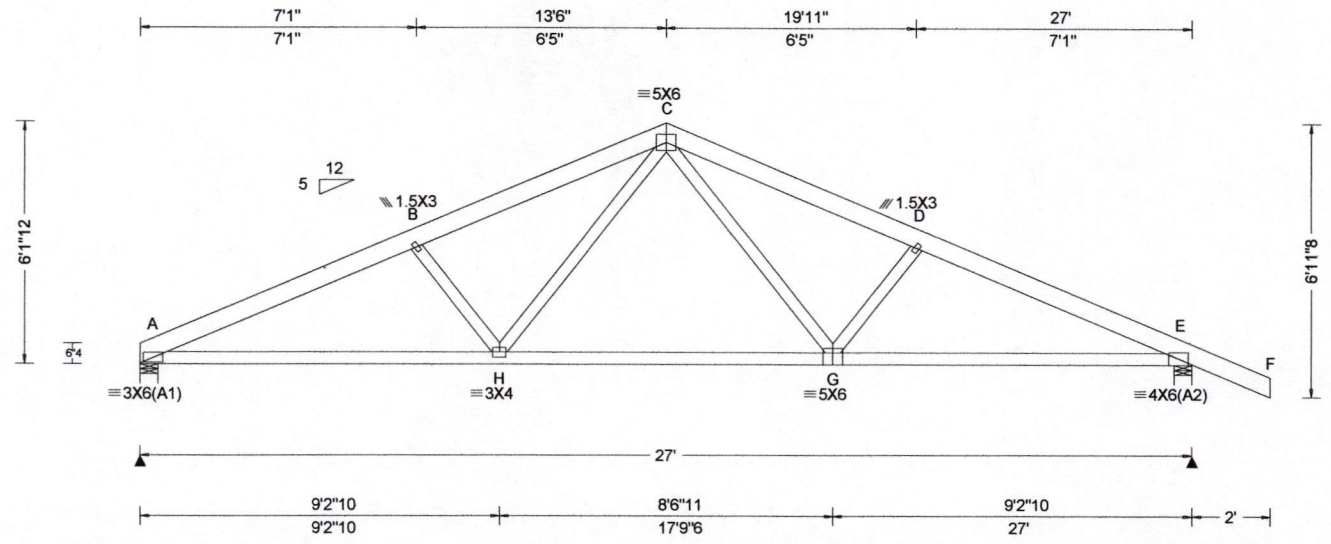
ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296378 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T14*	Cust: R 880 JRef: 1WMP8800001 T43 DrwNo: 193.19.0724.44003 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.099	G	999	360
VERT(CL): 0.148	G	999	240
HORZ(LL): 0.065	G	-	-
HORZ(TL): 0.088	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.252
Max BC CSI: 0.833
Max Web CSI: 0.281

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	1148 /-	/-	/1202	/81	/3007
E	1292 /-	/-	/1258	/25	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
E Brg Width = 5.5 Min Req = 1.5
Bearings A & E are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	507	-2589	C - D	121	-1967
B - C	135	-1990	D - E	449	-2506

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	2456	-579	G - E	2340	-492
H - G	2134	-847			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	83	-393	C - G	659	-1
H - C	692	-6			

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Truss transfers a maximum horizontal load of 3000 # (111.11 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads:	Force(#)	(PLF)	Mbr	Start	End
Case 1:	3000	111.11	TC	0.00	27.00
	3000		BC	0.00	

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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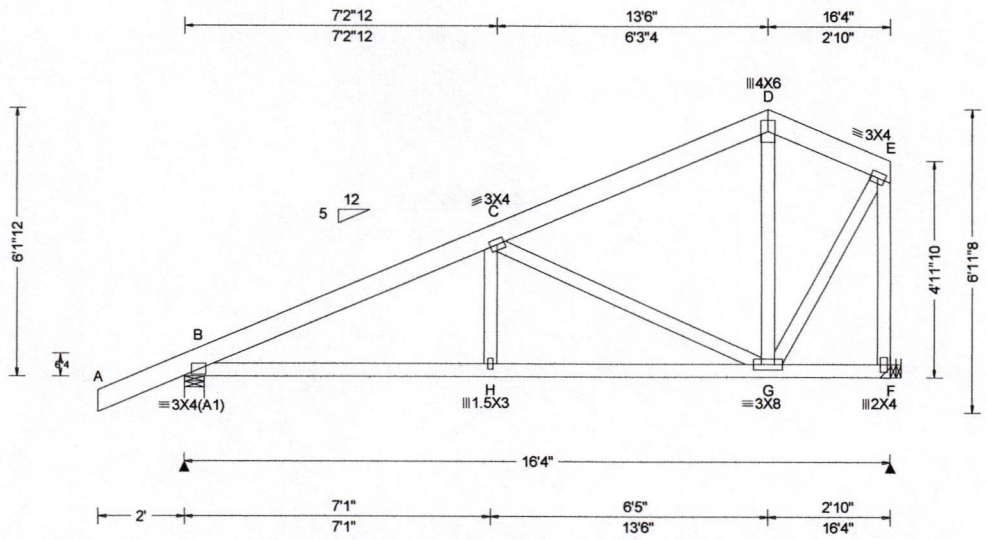
(707) 763-8713 Ext

ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296380 SPEC FROM:	Ply: 1 Qty: 4	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T15	Cust: R 880 JRef: 1WMP8800001 T46 DrwNo: 193.19.0724.47153 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.023	H	999	360
VERT(CL): 0.045	H	999	240
HORZ(LL): 0.008	G	-	-
HORZ(TL): 0.017	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.182
Max BC CSI: 0.424
Max Web CSI: 0.590

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	814	/-	/-	/482	/-	/91
F	652	/-	/-	/357	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	31	-1061	C - D	47	-400

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	911	-78	H - G	908	-79

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - G	54	-685	E - F	78	-641
G - E	560	-57			

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

07/12/2019

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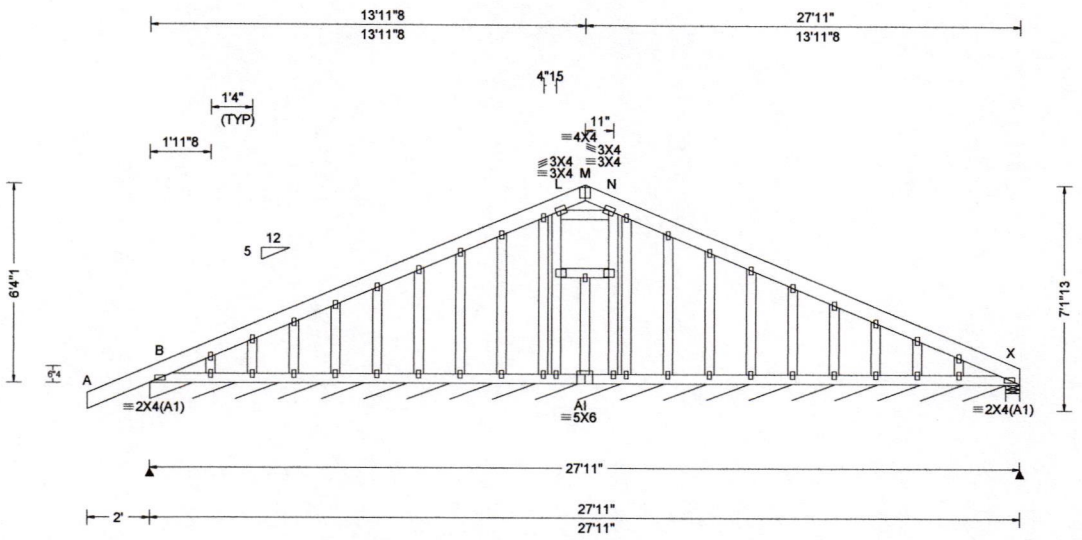
SEQN: 296383 GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T16	Cust: R 880 JRef: 1WMP8800001 T2 DrwNo: 193.19.0725.35460 / RTT 07/12/2019



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**	**▲Maximum Reactions (lbs), or *=PLF**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 110 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 6.0 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: CBC 2016 Res TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 M 999 360 VERT(CL): 0.002 M 999 240 HORZ(LL): 0.001 V - - HORZ(TL): 0.002 V - - Creep Factor: 2.0 Max TC CSI: 0.290 Max BC CSI: 0.050 Max Web CSI: 0.047 VIEW Ver: 17.02.02C.0211.17	Gravity / Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 157 /- /- /62 /9 /8 X 154 /- /- /66 /- /- Wind reactions based on MWFRS B Brg Width = 329 Min Req = - X Brg Width = 5.5 Min Req = 1.5 Bearings B & X are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord may be notched 1.5" deep X 3.5" at 48" o/c along top edge. DO NOT OVERCUT. No knots or other lumber defects allowed within 12" of notches. Do not notch in overhang or heel panel, unless specified otherwise.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

See DWGS A11515ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

07/12/2019

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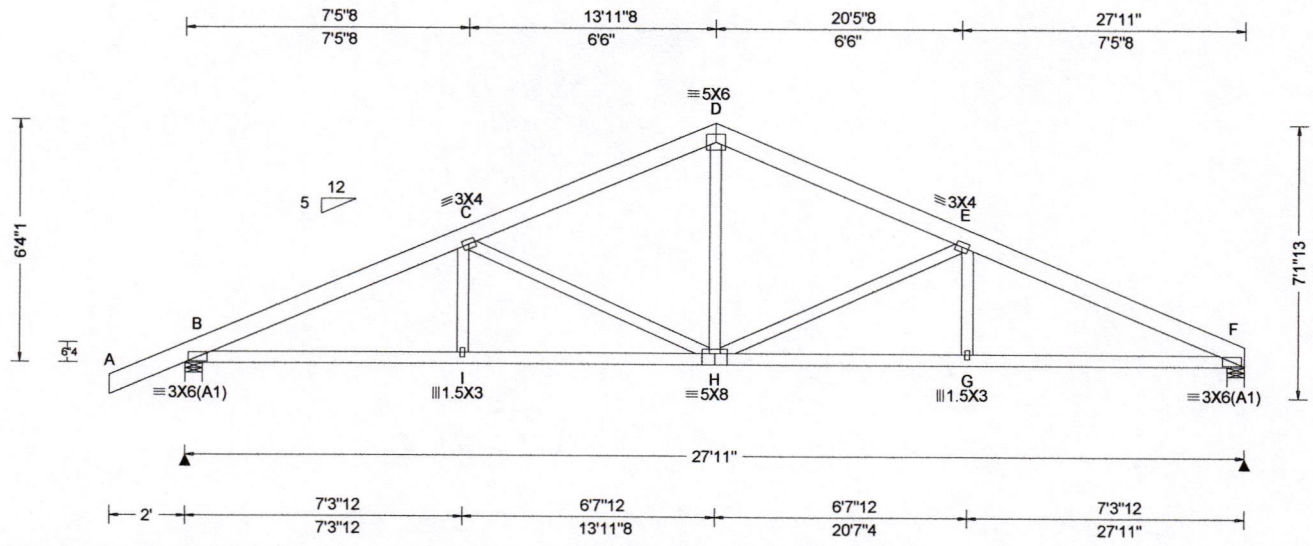
SEQN: 296386 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T17	Cust: R 880 JRef: 1WMP8800001 T53 DrwNo: 193.19.0726.19453 / RTT 07/12/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.076	H	999	360
VERT(CL): 0.154	H	999	240
HORZ(LL): 0.038	G	-	-
HORZ(TL): 0.074	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.250
Max BC CSI: 0.548
Max Web CSI: 0.641

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1277	/-	/-	/956	/18	/1504
F	1134	/-	/-	/900	/2	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	415	-2155	D - E	385	-1538
C - D	367	-1536	E - F	448	-2185

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1908	-314	H - G	1940	-327
I - H	1906	-315	G - F	1942	-326

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	160	-655	H - E	173	-694
D - H	696	-100			

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Truss transfers a maximum horizontal load of 1500 # (53.73 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads:	Force(#)	(PLF)	Mbr	Start	End
Case 1:	1500	53.73	TC	0.00	27.92
	1500		BC	0.00	

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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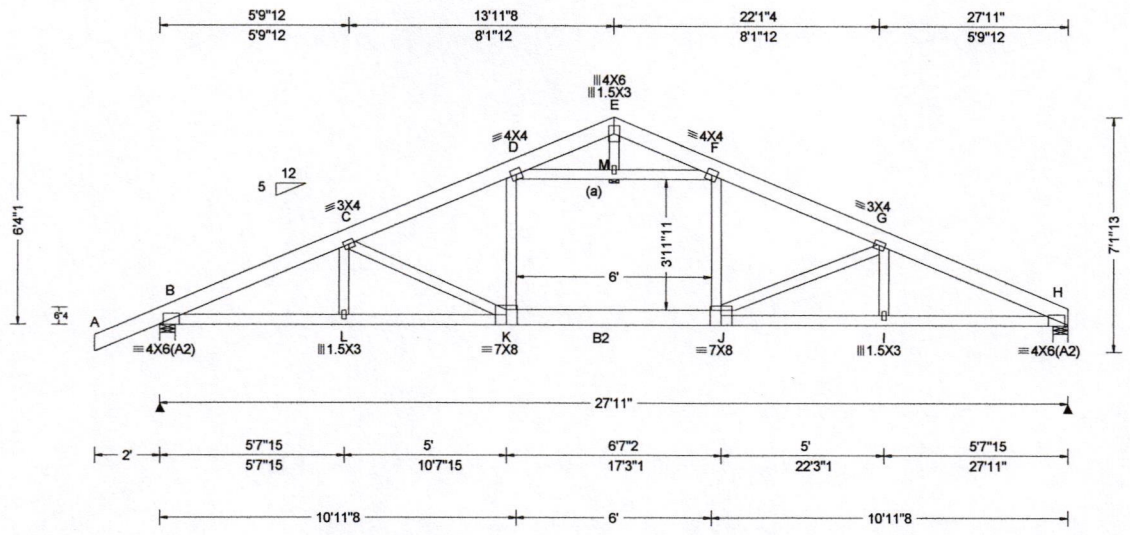
8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296388 COMN	Ply: 1	**Job Number:** 81225	Cust: R 880 JRef: 1WMP8800001 T1
FROM:	Qty: 3	/REID FIRE REPLACEMENT /MEAD CLARK	DrwNo: 193.19.0729.22953
		Truss Label: T18	/ RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.107	J	999	360
VERT(CL): 0.247	J	999	240
HORZ(LL): 0.046	I	-	-
HORZ(TL): 0.082	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.350
Max BC CSI: 0.690
Max Web CSI: 0.395

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1452	/-	/-	/704	/136	/110
H	1310	/-	/-	/615	/115	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
H Brg Width = 5.5 Min Req = 1.5
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	268	-2603	F - G	302	-2276
C - D	301	-2270	G - H	276	-2652

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	2323	-232	J - I	2378	-244
L - K	2323	-235	I - H	2378	-242
K - J	2025	-266			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	54	-475	M - F	218	-1748
K - D	478	-38	F - J	502	-44
D - M	218	-1748	J - G	56	-535

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g) :B2 1.5"x5.5625" DF-L #2(g):
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	27.92
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	11.08
BC: From	80 plf at	11.08 to	80 plf at	16.91
BC: From	20 plf at	16.91 to	20 plf at	27.92

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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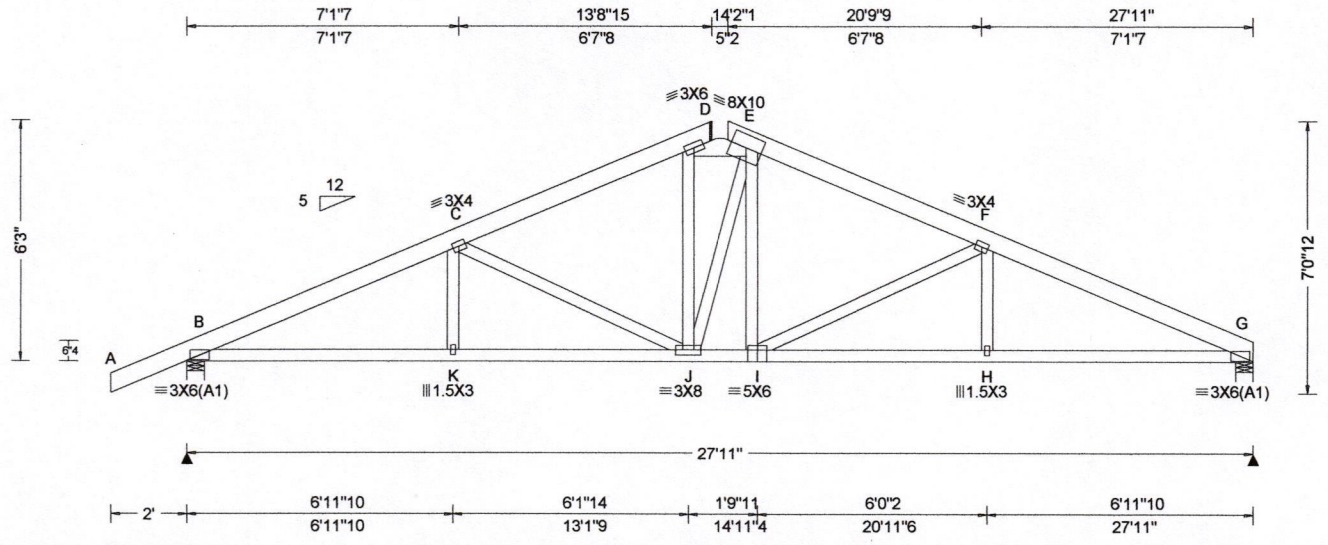
SEQN: 296399 CHIP FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T19	Cust: R 880 JRef: 1WMP8800001 T19 DrwNo: 193.19.0729.56750 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.076	I	999	360
VERT(CL): 0.153	I	999	240
HORZ(LL): 0.037	H	-	-
HORZ(TL): 0.074	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.253
Max BC CSI: 0.556
Max Web CSI: 0.510

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1279	/-	/-	/-	/47	/-
G	1136	/-	/-	/-	/18	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	18	- 1391	E - F	38	- 1598
B - C	43	- 2179	F - G	50	- 2212
C - D	38	- 1589			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	1933	- 24	I - H	1969	- 34
K - J	1930	- 26	H - G	1971	- 32
J - I	1388	- 19			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	9	- 599	I - F	17	- 638

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	27.92
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	27.92
TC:	3 lb Conc. Load at 13.96			

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

07/12/2019

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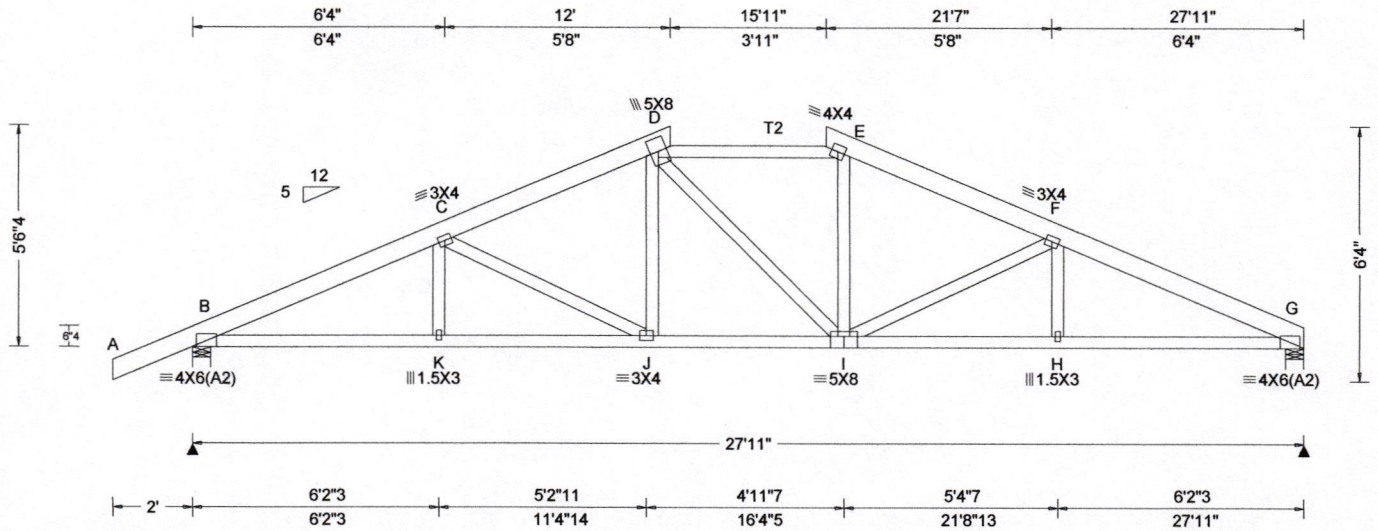
Sacramento, CA 95826

SEQN: 296402 HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T20	Cust: R 880 JRef: 1WMP8800001 T38 DrwNo: 193.19.0734.15050 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.092	J	999	360
VERT(CL): 0.185	J	999	240
HORZ(LL): 0.043	H	-	-
HORZ(TL): 0.086	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.898
Max BC CSI: 0.642
Max Web CSI: 0.295

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1426	/-	/-	/-	/61	/-
G	1276	/-	/-	/-	/31	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	75	-2543	E - F	70	-2081
C - D	71	-2100	F - G	79	-2565
D - E	50	-1859			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	2267	-54	I - H	2294	-61
K - J	2265	-56	H - G	2296	-60
J - I	1869	-53			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	5	-433	I - F	13	-484

Lumber

Top chord 1.5"x5.5625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #1(g):
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	27.92
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	27.92

TC: 64 lb Conc. Load at 12.06
TC: 225 lb Conc. Load at 14.06

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

07/12/2019

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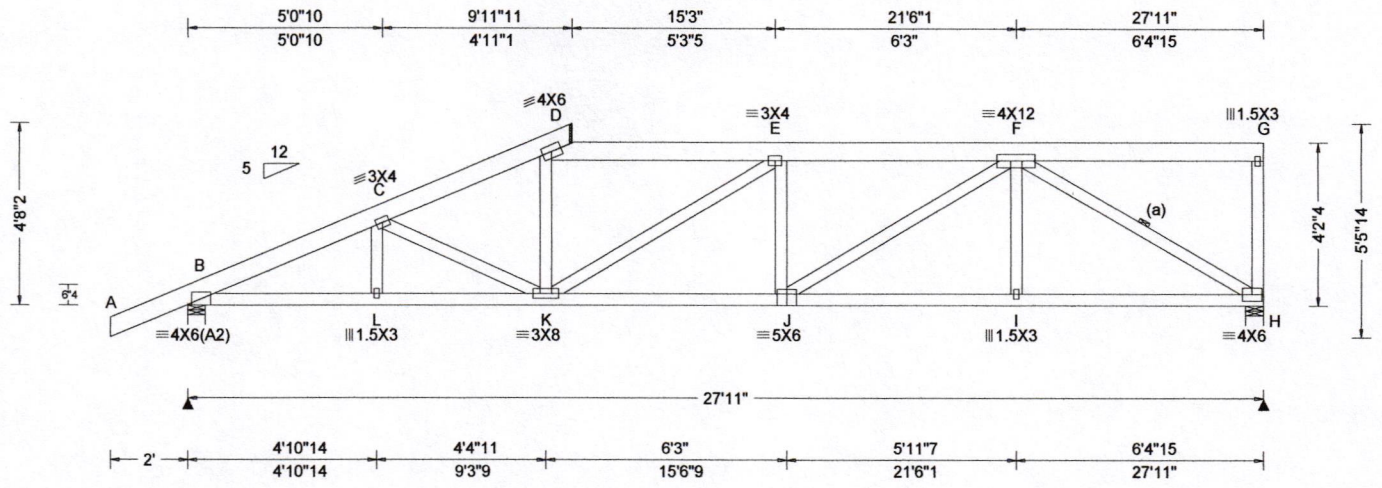
SEQN: 296405 CHIP FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T21	Cust: R 880 JRef: 1WMP8800001 T15 DrwNo: 193.19.0734.42100 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.084	E	999	360
VERT(CL): 0.197	E	999	240
HORZ(LL): 0.034	H	-	-
HORZ(TL): 0.079	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.352
Max BC CSI: 0.598
Max Web CSI: 0.525

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1346	/-	/-	/-	/7	/-
H	1262	/-	/-	/83	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
H Brg Width = 5.5 Min Req = 1.5
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1885	C - D	0	-2084
B - C	0	-2355	E - F	0	-2326

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	2096	0	J - I	1788	0
L - K	2095	0	I - H	1788	0
K - J	2344	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - D	535	0	J - F	638	0
K - E	0	-553	F - H	0	-2070

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	9.97
TC: From	2 plf at	10.00 to	2 plf at	27.92
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	27.92

TC: 65 lb Conc. Load at 10.06
TC: 121 lb Conc. Load at 12.06
TC: 74 lb Conc. Load at 14.06
TC: 225 lb Conc. Load at 16.06
TC: 157 lb Conc. Load at 18.06,20.06,22.06,24.06 26.06

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

07/12/2019

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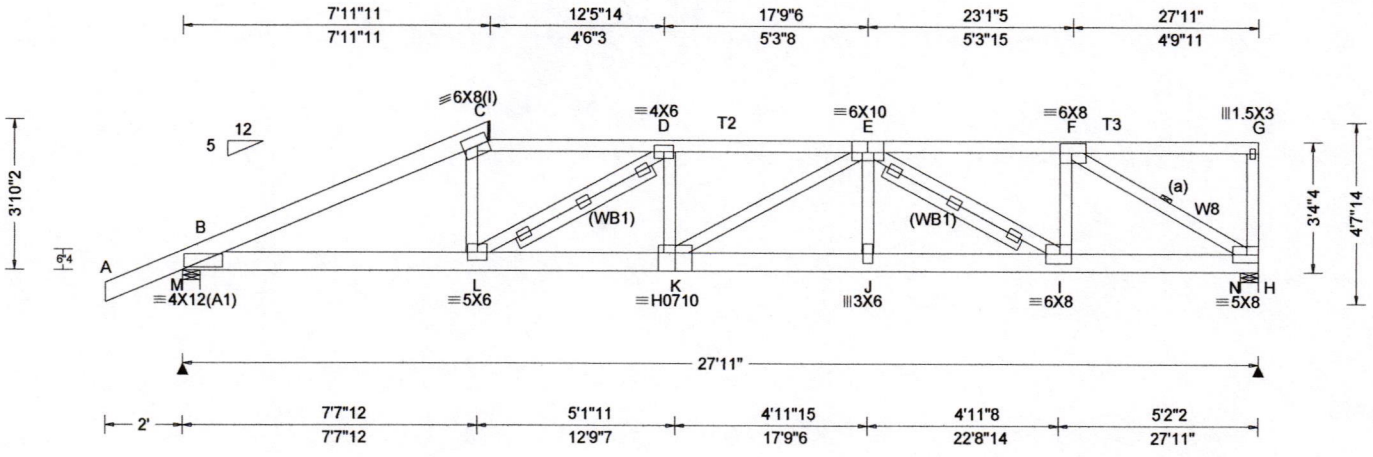
SEQN: 296415 CHIP FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T22	Cust: R 880 JRef: 1WMP8800001 T6 DrwNo: 193.19.0734.56363 / RTT 07/12/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.233	K	999	360
VERT(CL): 0.482	K	690	240
HORZ(LL): 0.056	H	-	-
HORZ(TL): 0.116	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.915
Max BC CSI: 0.865
Max Web CSI: 0.854

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	2632	/-	/-	/-	/1	/-
N	2511	/-	/-	/123	/-	/-

Wind reactions based on MWFRS
M Brg Width = 5.5 Min Req = 2.8
N Brg Width = 5.5 Min Req = 2.7
Bearings M & N are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-4812	D - E	0	-6354
B - C	0	-5238	E - F	0	-3852

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	4759	0	J - I	5855	0
L - K	6305	0	I - H	3643	0
K - J	5855	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - D	0	-1766	E - J	798	0
C - L	1504	0	E - I	0	-2331
D - K	493	0	I - F	2102	0
K - E	581	-82	F - H	0	-4263

Lumber

Top chord 1.5"x5.625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #1(g):
:T3 1.5"x3.5625" DF-L #2(g):
Bot chord 1.5"x5.625" DF-L #1&Bet.(g)
Webs 1.5"x3.5625" DF-L Standard(g) :W8 1.5"x3.5625" DF-L #1&Bet.(g):

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Bracing

(a) Continuous lateral restraint equally spaced on member.

WB: Web-Blocks are 2x4 of grade: WB1 = DF-L Standard(g), and fastened to web with W3X4 or larger plates. See DRWG BRWEBLOK1014 for further details.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.

07/12/2019

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Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	7.97	
TC: From	2 plf at	8.00 to	2 plf at	27.92	
BC: From	4 plf at	-2.00 to	4 plf at	0.00	
BC: From	20 plf at	0.00 to	20 plf at	2.06	
BC: From	10 plf at	2.06 to	10 plf at	26.06	
BC: From	20 plf at	26.06 to	20 plf at	27.92	

TC: 488 lb Conc. Load at 8.06
TC: 63 lb Conc. Load at 10.06
TC: 66 lb Conc. Load at 12.06,14.06
TC: 17 lb Conc. Load at 16.06
TC: 45 lb Conc. Load at 18.06,20.06,22.06,24.06 26.06
BC: 121 lb Conc. Load at 2.06
BC: 123 lb Conc. Load at 4.06
BC: 126 lb Conc. Load at 6.06
BC: 130 lb Conc. Load at 8.06
BC: 304 lb Conc. Load at 10.06,12.06,14.06,16.06 18.06,20.06,22.06,24.06,26.06

07/12/2019

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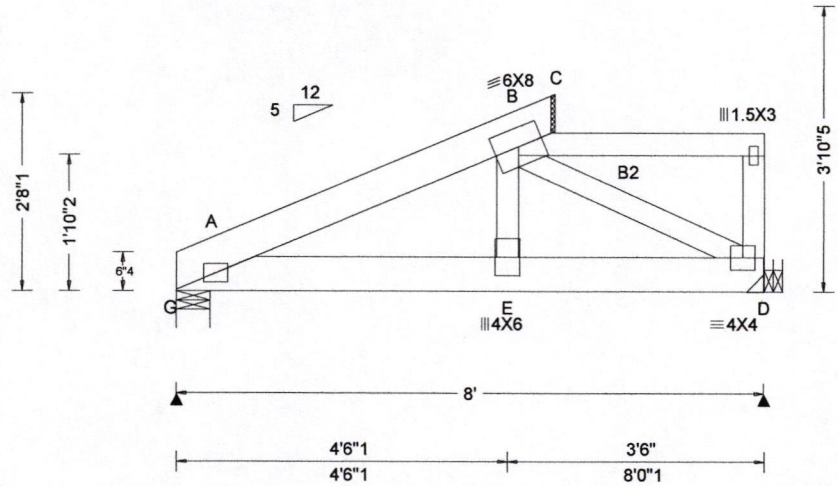
SEQN: 296330 CAJA FROM:	Ply: 2 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T23	Cust: R 880 JRef: 1WMP8800001 T24 DrwNo: 193.19.0735.28963 / RTT 07/12/2019

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.012	E	999	360
VERT(CL): 0.024	E	999	240
HORZ(LL): 0.004	E	-	-
HORZ(TL): 0.008	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.199
Max BC CSI: 0.495
Max Web CSI: 0.383

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	2508	/-	/-	/1453	/-	/500
D	1513	/-	/-	/756	/-	/-

Wind reactions based on MWFRS
G Brg Width = 5.5 Min Req = 1.5
D Brg Width = - Min Req = -
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	0	- 1198

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	1104	0	E - D	1076	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - B	942	0	B - D	0	- 1229

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x5.5625" DF-L #2(g) :B2 1.5"x3.5625" DF-L #2(g):
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 2.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	0.00 to	62 plf at	5.16	
BC: From	10 plf at	0.00 to	10 plf at	5.16	
BC: From	2 plf at	5.16 to	2 plf at	8.00	

BC: 1147 lb Conc. Load at 0.52
BC: 833 lb Conc. Load at 2.40, 4.40, 6.27

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

All plates are 3X4(A1) except as noted.

Purlins

Laterally brace bottom chord above filler with purlins at 24" OC.

Loading

Truss transfers a maximum horizontal load of 500 # (96.99 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 500 96.99 TC 0.00 5.16
500 BC 0.00

Wind

Wind loads and reactions based on MWFRS.

07/12/2019

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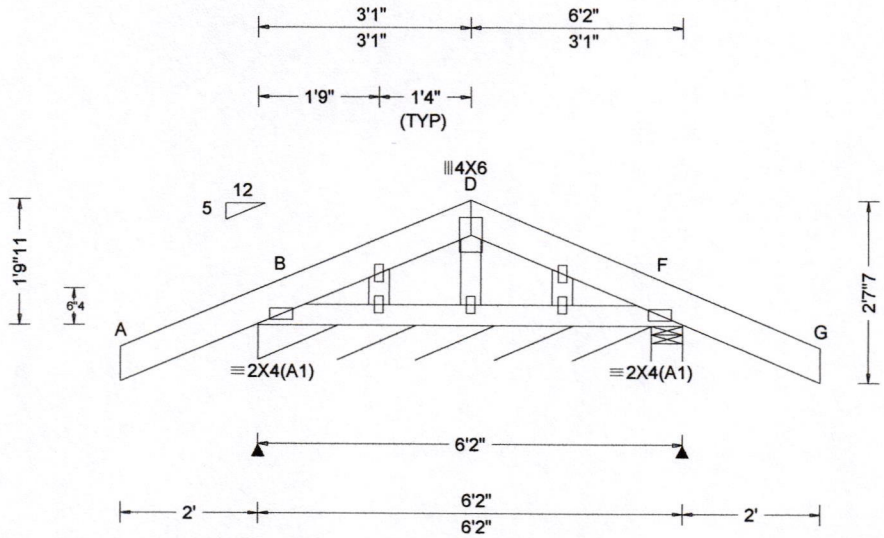
SEQN: 296417 GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** G24	Cust: R 880 JRef: 1WMP8800001 T57 DrwNo: 193.19.0735.51180 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.001	J	999	360
VERT(CL): -0.001	H	999	240
HORZ(LL): 0.001	H	-	-
HORZ(TL): 0.001	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.270
Max BC CSI: 0.043
Max Web CSI: 0.041

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B*	149	/-	/-	/85	/83	/17
F	533	/-	/-	/346	/419	/-

Wind reactions based on MWFRS
B Brg Width = 68.5 Min Req = -
F Brg Width = 5.5 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord may be notched 1.5" deep X 3.5" at 48" o/c along top edge. DO NOT OVERCUT. No knots or other lumber defects allowed within 12" of notches. Do not notch in overhang or heel panel, unless specified otherwise.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

See DWGS A11515ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

07/12/2019

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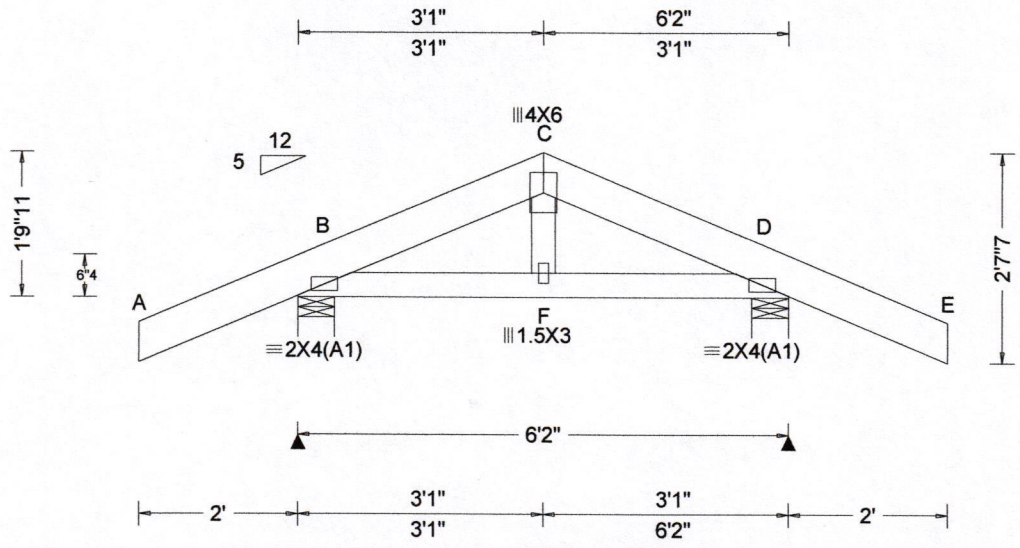
Sacramento, CA 95826

SEQN: 296419 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T24	Cust: R 880 JRef: 1WMP8800001 T55 DrwNo: 193.19.0735.54063 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	F	999	360
VERT(CL): 0.003	F	999	240
HORZ(LL): 0.001	F	-	-
HORZ(TL): 0.001	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.164
Max BC CSI: 0.061
Max Web CSI: 0.042

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	Rh	Rw	U	RL
B	384 /-	/-	/234	/14	/49
D	384 /-	/-	/234	/14	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 5.5 Min Req = 1.5
Bearings B & D are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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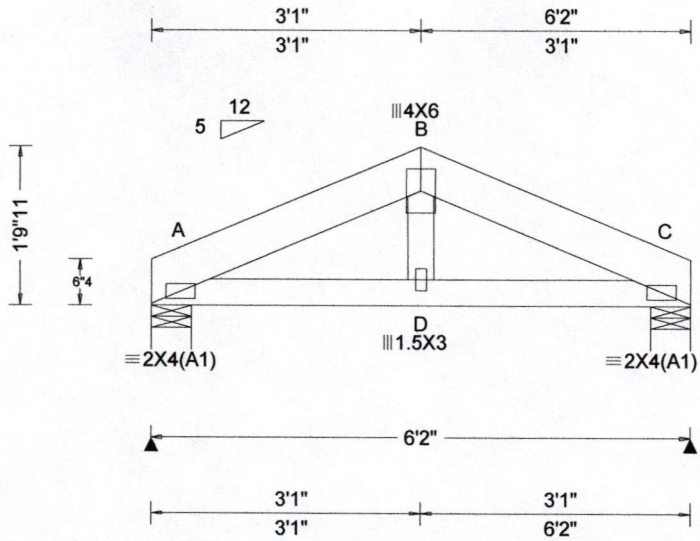
SEQN: 296423 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T25*		Cust: R 880 JRef: 1WMP8800001 T58 DrwNo: 193.19.0735.56040 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.003	D	999	360
VERT(CL): 0.004	D	999	240
HORZ(LL): 0.002	D	-	-
HORZ(TL): 0.003	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.040
Max BC CSI: 0.075
Max Web CSI: 0.045

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	252	/-	/-	/245	/-	/505
C	252	/-	/-	/245	/-	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
C Brg Width = 5.5 Min Req = 1.5
Bearings A & C are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	104	-402

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Truss transfers a maximum horizontal load of 500 # (81.08 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads:	Force(#)	(PLF)	Mbr	Start	End
Case 1:	500	81.08	TC	0.00	6.17
	500		BC	0.00	

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREA
No. C 72160
CIVIL
STATE OF CALIFORNIA
07/12/2019

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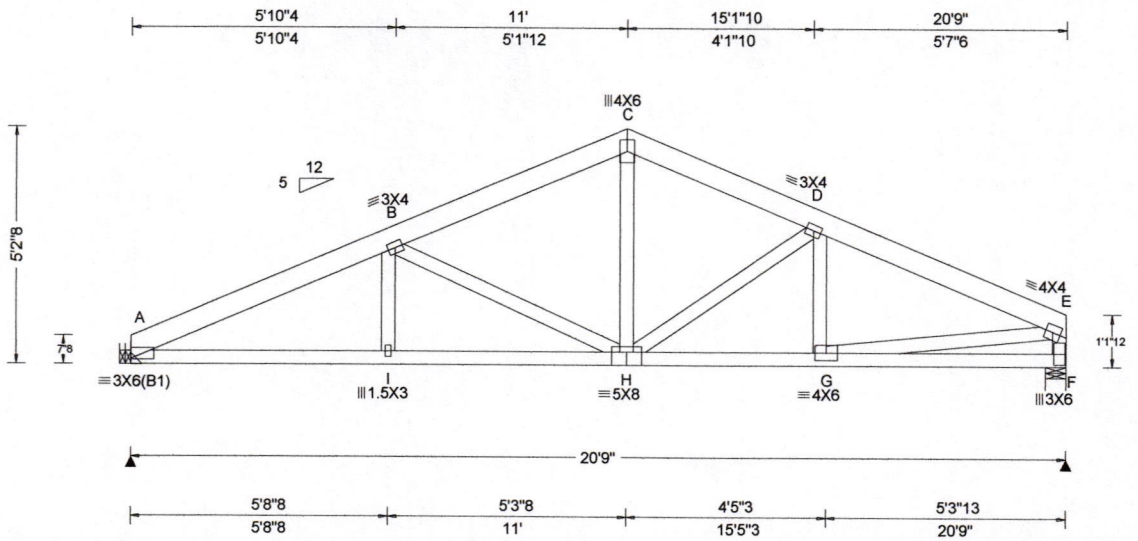
SEQN: 296326 SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T26*	Cust: R 880 JRef: 1WMP8800001 T40 DrwNo: 193.19.0736.09113 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.050	H	999	360
VERT(CL): 0.078	I	999	240
HORZ(LL): 0.038	E	-	-
HORZ(TL): 0.049	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.258
Max BC CSI: 0.440
Max Web CSI: 0.544

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	852	/-	/-	/1147	/278	/2975
F	842	/-	/-	/1077	/218	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
F Brg Width = 5.5 Min Req = 1.5
Bearing F is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	965	-2507	C - D	111	-1086
B - C	387	-1458	D - E	583	-1907

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - I	2048	-679	H - G	1748	-568
I - H	2045	-681			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	50	-484	G - E	1715	-565
C - H	472	-15	E - F	262	-1027

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Truss transfers a maximum horizontal load of 3000 # (144.58 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads:	Force(#)	(PLF)	Mbr	Start	End
Case 1:	3000	144.58	TC	0.00	20.75
	3000		BC	0.00	

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Uplift connections required. See uplifts in R- and U columns of Maximum Reactions table.

REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREA
No. C 72160
CIVIL
STATE OF CALIFORNIA
07/12/2019

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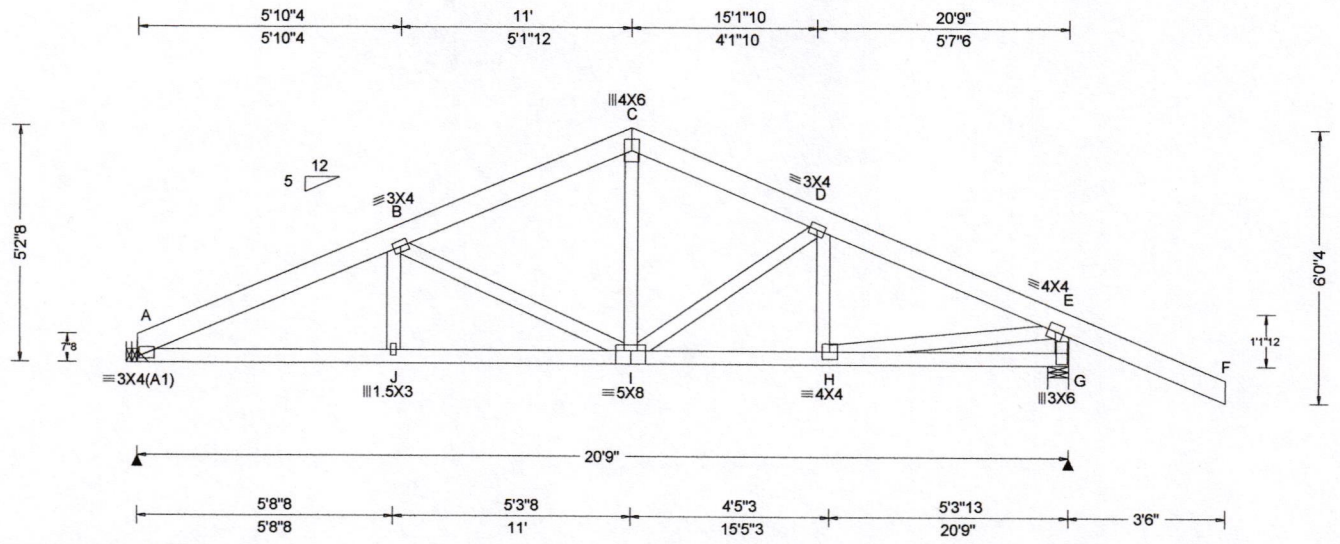
SEQN: 296323 COMN FROM:	Ply: 1 Qty: 3	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** T27	Cust: R 880 JRef: 1WMP8800001 T17 DrwNo: 193.19.0736.17790 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.038	J	999	360
VERT(CL): 0.075	J	999	240
HORZ(LL): 0.014	E	-	-
HORZ(TL): 0.028	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.450
Max BC CSI: 0.426
Max Web CSI: 0.417

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	833	/-	/-	/461	/-	/102
G	1093	/-	/-	/610	/-	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
G Brg Width = 5.5 Min Req = 1.5
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	92	- 1484	C - D	92	- 1006
B - C	101	- 1023	D - E	69	- 1208

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - J	1300	- 17	I - H	1032	0
J - I	1298	- 18			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - I	51	- 484	H - E	1027	0
C - I	435	- 7	E - G	219	- 1044

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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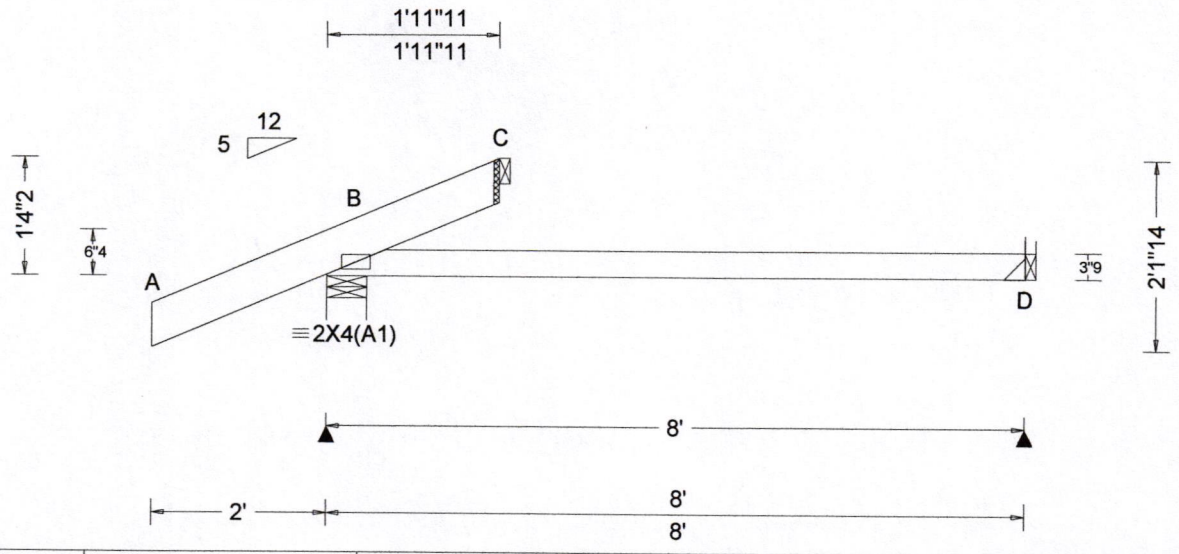
SEQN: 619229 CAJA FROM:	Ply: 1 Qty: 5	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E2	Cust: R 880 JRef: 1WMP8800001 T30 DrwNo: 193.19.0736.29450 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.004	D	999	360
VERT(CL): 0.010	D	999	240
HORZ(LL): 0.001	D	-	-
HORZ(TL): 0.004	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.201
Max BC CSI: 0.446
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	289	/-	/-	/-	/50	/-
C	144	/-	/-	/27	/-	/-
D	121	/-	/-	/18	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
D Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-2.00 to	62 plf at	1.97
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	8.00
BC:	26 lb Conc. Load at	2.06		
BC:	30 lb Conc. Load at	4.06		
BC:	49 lb Conc. Load at	6.06		

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Wind loads and reactions based on MWFRS.

07/12/2019

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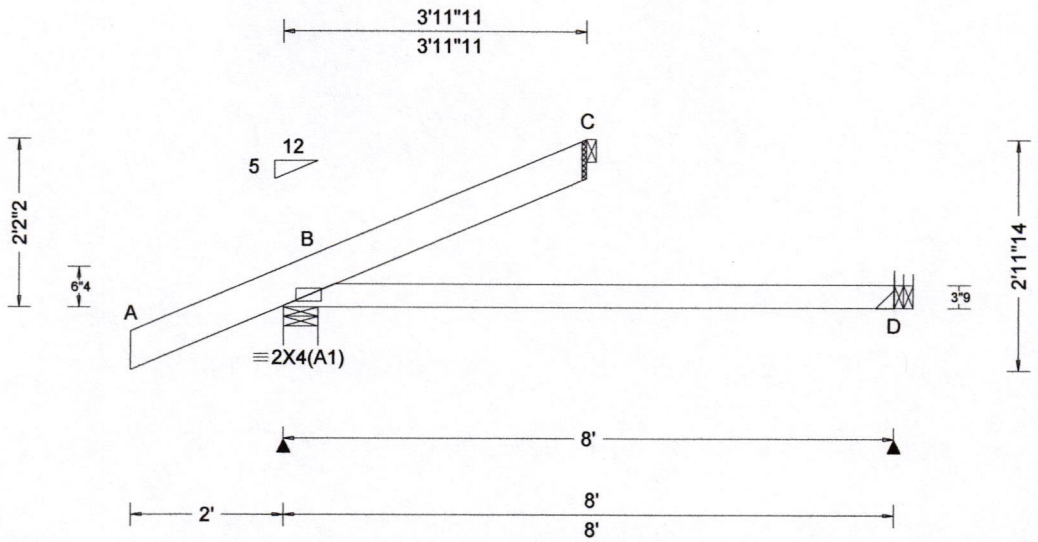
Sacramento, CA 95826

SEQN: 296266 CAJA FROM:	Ply: 1 Qty: 5	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E4	Cust: R 880 JRef: 1WMP8800001 T44 DrwNo: 193.19.0736.33520 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.005	D	999	360
VERT(CL): 0.016	D	999	240
HORZ(LL): 0.002	D	-	-
HORZ(TL): 0.007	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.217
Max BC CSI: 0.439
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	362	/-	/-	/237	/3	/50
C	113	/-	/-	/69	/5	/-
D	123	/-	/-	/77	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
D Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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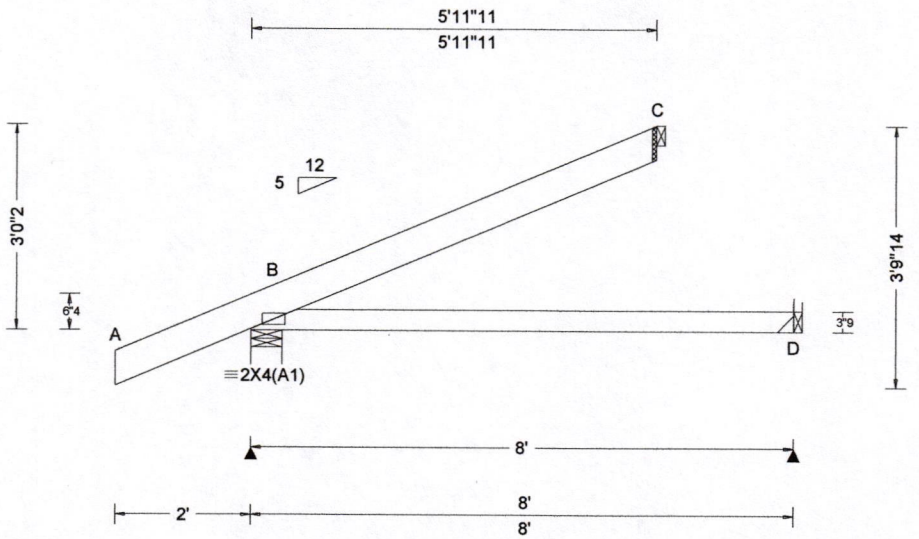
SEQN: 296267 CAJA FROM:	Ply: 1 Qty: 4	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E6	Cust: R 880 JRef: 1WMP8800001 T45 DrwNo: 193.19.0736.39350 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.008	D	999	360
VERT(CL): 0.022	D	999	240
HORZ(LL): 0.004	D	-	-
HORZ(TL): 0.011	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.238
Max BC CSI: 0.461
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	424	/-	/-	/268	/1	/68
C	171	/-	/-	/80	/21	/-
D	126	/-	/-	/79	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
D Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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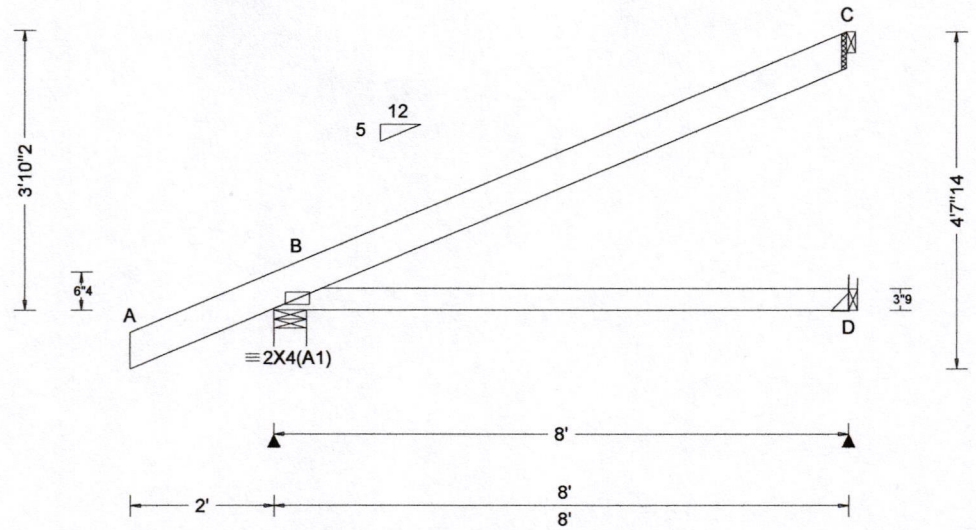
SEQN: 296268 CAJA FROM:	Ply: 1 Qty: 4	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E8	Cust: R 880 JRef: 1WMP8800001 T13 DrwNo: 193.19.0736.43397 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.009 D - -
HORZ(TL): 0.018 D - -
Creep Factor: 2.0
Max TC CSI: 0.439
Max BC CSI: 0.491
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	483	/-	/-	/294	/1	/85
D	130	/-	/-	/82	/-	/-
C	228	/-	/-	/99	/34	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = - Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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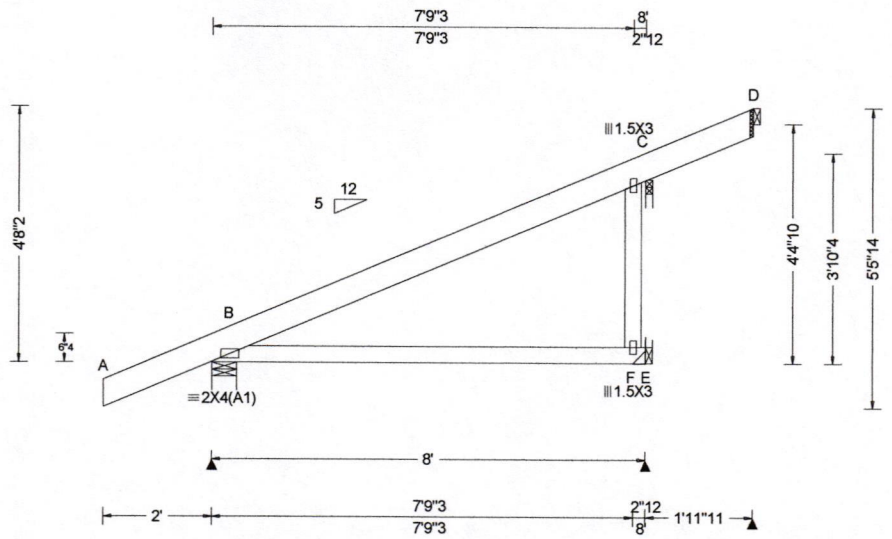
SEQN: 296269 CAJA FROM:	Ply: 1 Qty: 4	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E10	Cust: R 880 JRef: 1WMP8800001 T12 DrwNo: 193.19.0736.57417 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.009	F	-	-
HORZ(TL): 0.017	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.411
Max BC CSI: 0.442
Max Web CSI: 0.397

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	481	/-	/-	/291	/-	/102
E	304	/-	/-	/183	/14	/-
C	63	/-	/-	/25	/11	/-
D	59	/-	/-	/23	/11	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
E Brg Width = - Min Req = -
C Brg Width = 1.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
Bearings B & C are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Shim all supports to solid bearing.

07/12/2019

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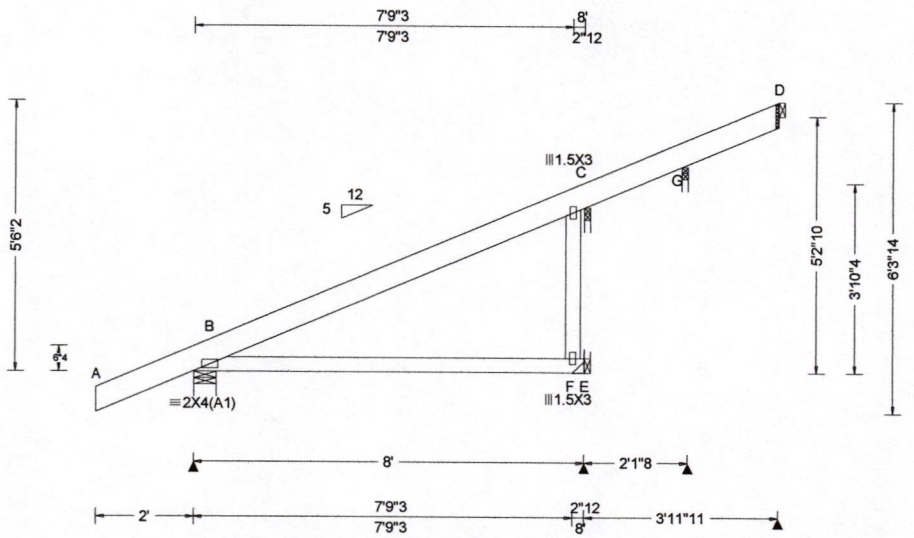
Sacramento, CA 95826

SEQN: 296270 CAJA FROM:	Ply: 1 Qty: 3	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E11	Cust: R 880 JRef: 1WMP8800001 T11 DrwNo: 193.19.0737.06327 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.009 F - -
HORZ(TL): 0.017 F - -
Creep Factor: 2.0
Max TC CSI: 0.411
Max BC CSI: 0.442
Max Web CSI: 0.397

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	481	/-	/-	/290	/-	/119
E	304	/-	/-	/183	/15	/-
C	66	/-	/-	/26	/12	/-
G	121	/-	/-	/48	/22	/-
D	59	/-	/-	/23	/11	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
E Brg Width = - Min Req = -
C Brg Width = 1.5 Min Req = 1.5
G Brg Width = 1.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
Bearings B, C, & G are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Shim all supports to solid bearing.

07/12/2019

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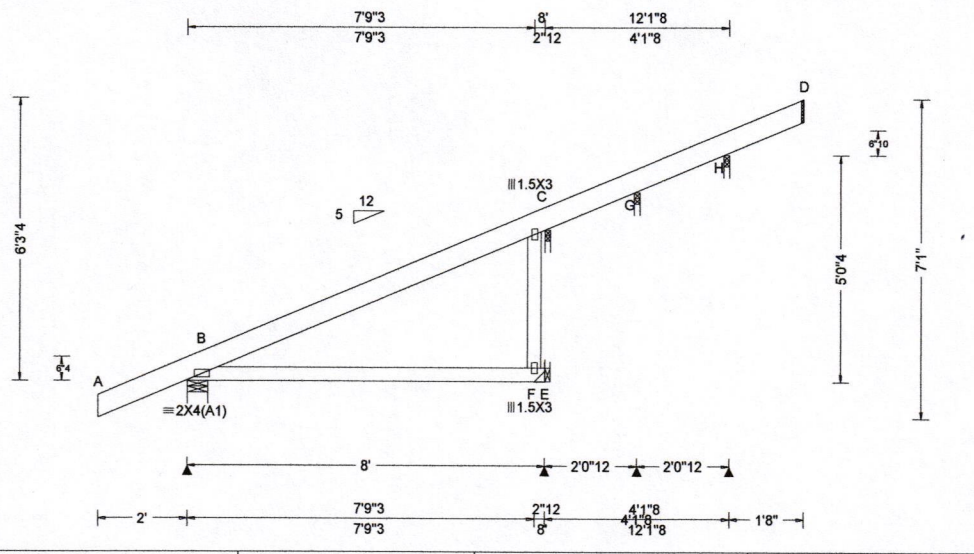
Sacramento, CA 95826

SEQN: 296394 CAJA FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E12	Cust: R 880 JRef: 1WMP8800001 T23 DrwNo: 193.19.0737.11040 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.009	F	-	-
HORZ(TL): 0.017	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.411
Max BC CSI: 0.442
Max Web CSI: 0.397

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	481	/-	/-	/286	/-	/98
E	304	/-	/-	/183	/-	/-
C	66	/-	/-	/32	/9	/-
G	74	/-	/-	/42	/15	/-
H	225	/-	/-	/92	/17	/-

Wind reactions based on MWFRS

B	Brg Width = 5.5	Min Req = 1.5
E	Brg Width = -	Min Req = -
C	Brg Width = 1.5	Min Req = 1.5
G	Brg Width = 1.5	Min Req = 1.5
H	Brg Width = 1.5	Min Req = 1.5

Bearings B, C, G, & H are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Shim all supports to solid bearing.

07/12/2019

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

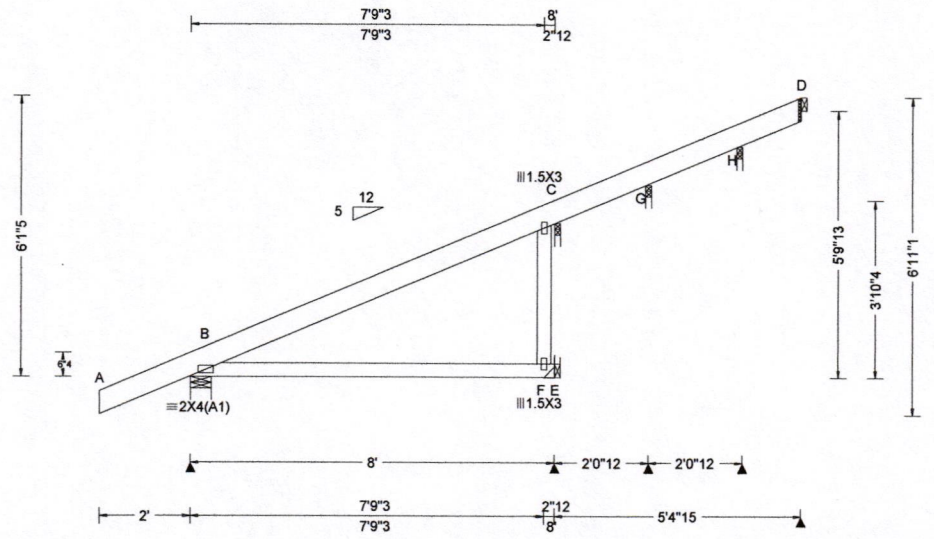
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

American Truss Company, Inc.
4550 Spring Hill Road
PETALUMA CA 94952
(707) 763-8713 Ext

ALPINE™ AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296272 CAJA FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E13	Cust: R 880 JRef: 1WMP8800001 T51 DrwNo: 193.19.0737.18330 / RTT 07/12/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.009 F - -
HORZ(TL): 0.017 F - -
Creep Factor: 2.0
Max TC CSI: 0.411
Max BC CSI: 0.442
Max Web CSI: 0.397

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	481	/-	/-	/290	/-	/87
E	304	/-	/-	/183	/-	/-
C	66	/-	/-	/26	/3	/-
G	123	/-	/-	/49	/6	/-
H	103	/-	/-	/41	/5	/-
D	42	/-	/-	/17	/2	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
E Brg Width = - Min Req = -
C Brg Width = 1.5 Min Req = 1.5
G Brg Width = 1.5 Min Req = 1.5
H Brg Width = 1.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
Bearings B, C, G, & H are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Shim all supports to solid bearing.

07/12/2019

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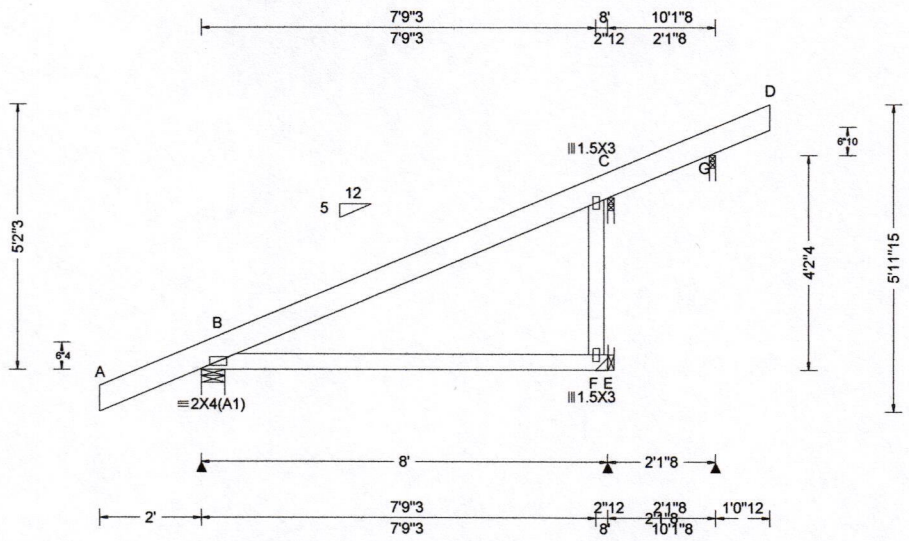
ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296392 CAJA FROM:	Ply: 1 Qty: 5	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E12B	Cust: R 880 JRef: 1WMP8800001 T20 DrwNo: 193.19.0738.09603 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.009	F	-	-
HORZ(TL): 0.017	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.411
Max BC CSI: 0.442
Max Web CSI: 0.397

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	481	/-	/-	/289	/-	/79
E	304	/-	/-	/183	/-	/-
C	45	/-	/-	/24	/8	/-
G	157	/-	/-	/66	/14	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
E Brg Width = - Min Req = -
C Brg Width = 1.5 Min Req = 1.5
G Brg Width = 1.5 Min Req = 1.5
Bearings B, C, & G are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Shim all supports to solid bearing.

REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREN
No. C 72160
CIVIL
STATE OF CALIFORNIA
07/12/2019

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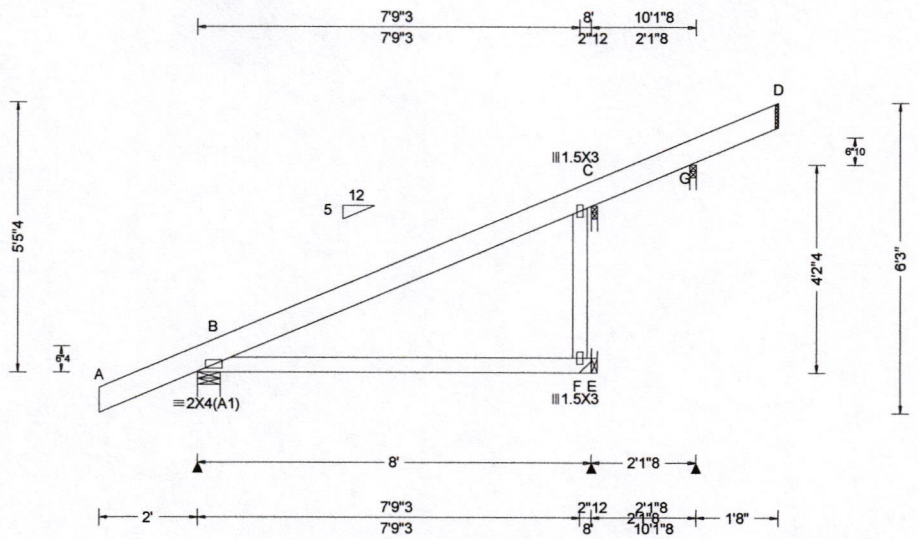
Sacramento, CA 95826

SEQN: 296396 CAJA FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** E12A	Cust: R 880 JRef: 1WMP8800001 T7 DrwNo: 193.19.0738.14027 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.009	F	-	-
HORZ(TL): 0.017	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.411
Max BC CSI: 0.442
Max Web CSI: 0.397

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	481	/-	/-	/289	/-	/82
E	304	/-	/-	/183	/-	/-
C	17	/-	/-	/13	/6	/-
G	225	/-	/-	/92	/17	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
E Brg Width = - Min Req = -
C Brg Width = 1.5 Min Req = 1.5
G Brg Width = 1.5 Min Req = 1.5
Bearings B, C, & G are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Shim all supports to solid bearing.

07/12/2019

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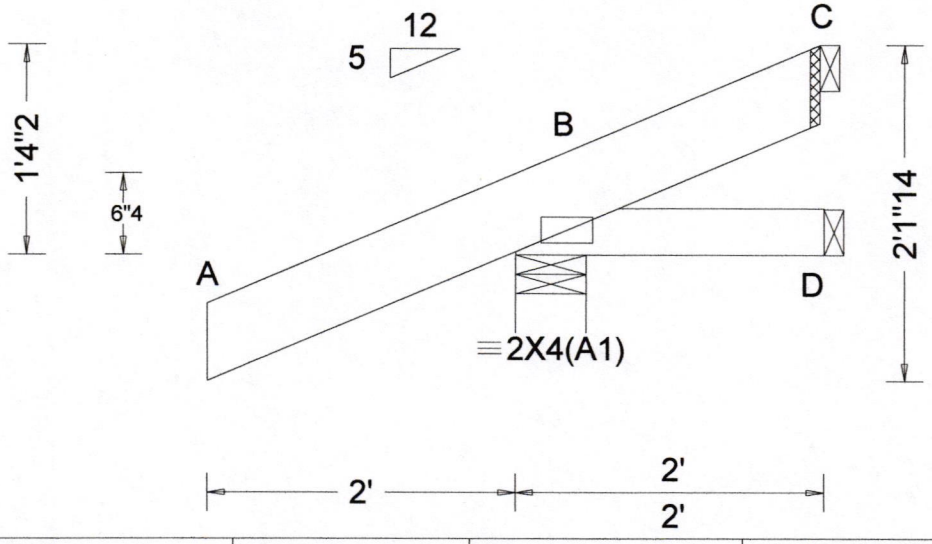
ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296273 CAJA FROM:	Ply: 1 Qty: 5	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** S2	Cust: R 880 JRef: 1WMP8800001 T48 DrwNo: 193.19.0738.19120 / RTT 07/12/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.000 D - -
HORZ(TL): 0.001 D - -
Creep Factor: 2.0
Max TC CSI: 0.153
Max BC CSI: 0.029
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	302	/-	/-	/190	/28	/33
C	-	/-15	/-	/22	/23	/-
D	26	/-	/-	/20	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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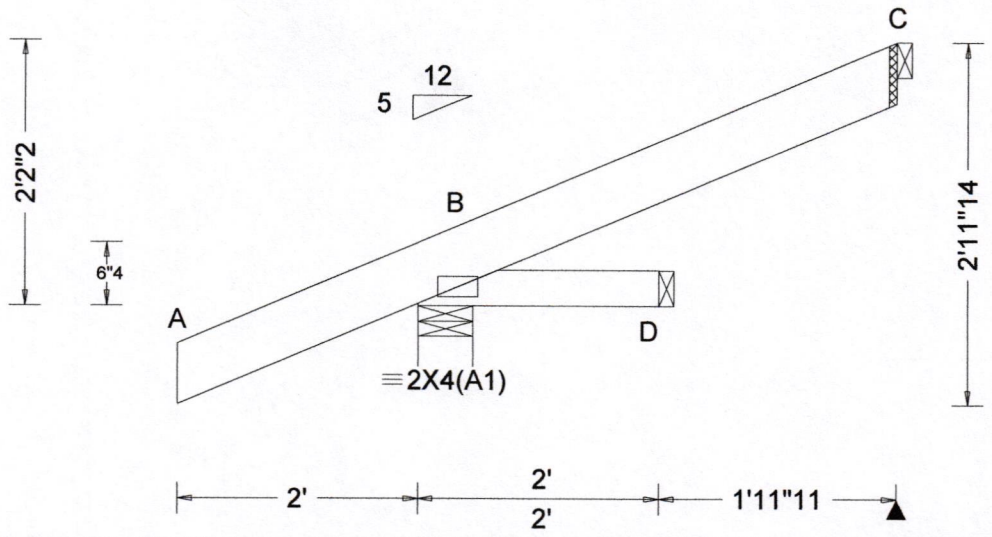
Sacramento, CA 95826

SEQN: 296274 CAJA FROM:	Ply: 1 Qty: 4	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** S4	Cust: R 880 JRef: 1WMP8800001 T47 DrwNo: 193.19.0738.25727 / RTT 07/12/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	D	999	360
VERT(CL): 0.001	D	999	240
HORZ(LL): 0.000	D	-	-
HORZ(TL): 0.000	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.131
Max BC CSI: 0.027
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	322	/-	/-	/190	/16	/50
D	30	/-	/-	/25	/1	/-
C	82	/-	/-	/26	/16	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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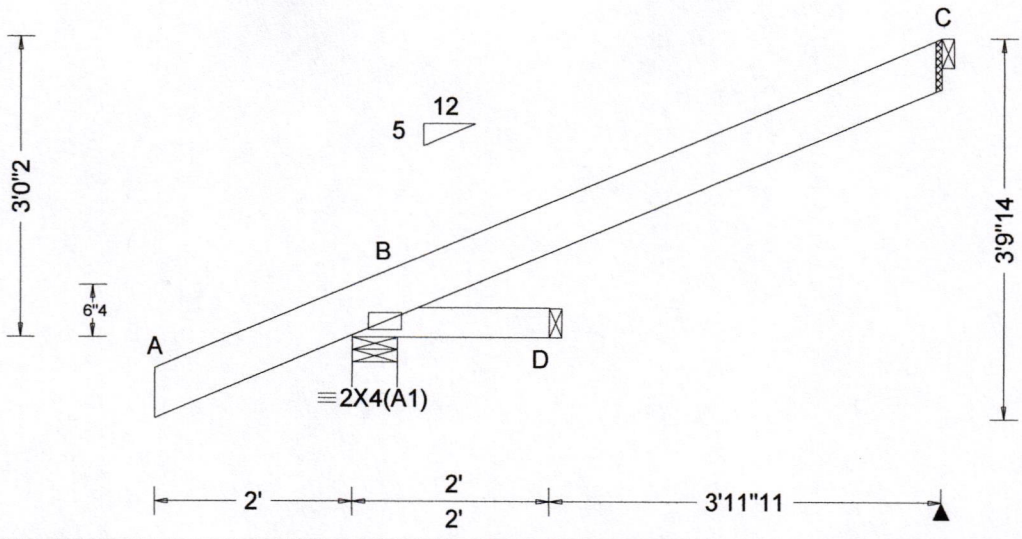
4550 Spring Hill Road
PETALUMA CA 94952
(707) 763-8713 Ext

ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296275 CAJA FROM:	Ply: 1 Qty: 4	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** S6	Cust: R 880 JRef: 1WMP8800001 T33 DrwNo: 193.19.0738.27730 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	D	999	360
VERT(CL): 0.004	D	999	240
HORZ(LL): 0.001	D	-	-
HORZ(TL): 0.003	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.169
Max BC CSI: 0.107
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	347	/-	/-	/199	/13	/68
D	55	/-	/-	/35	/4	/-
C	145	/-	/-	/54	/27	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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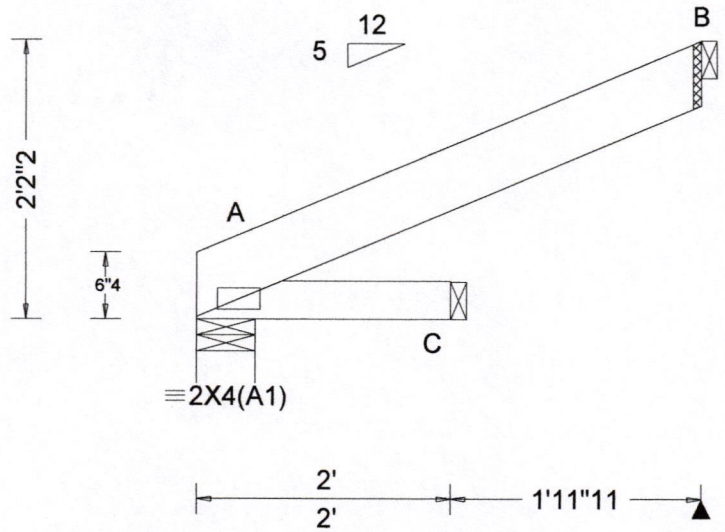
(707) 763-8713 Ext

ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296276 CAJA FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** S4A	Cust: R 880 JRef: 1WMP8800001 T29 DrwNo: 193.19.0738.30490 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	C	999	360
VERT(CL): 0.003	C	999	240
HORZ(LL): 0.001	C	-	-
HORZ(TL): 0.002	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.087
Max BC CSI: 0.066
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	138	/-	/-	/72	/-	/33
C	39	/-	/-	/29	/-	/-
B	108	/-	/-	/44	/19	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.5625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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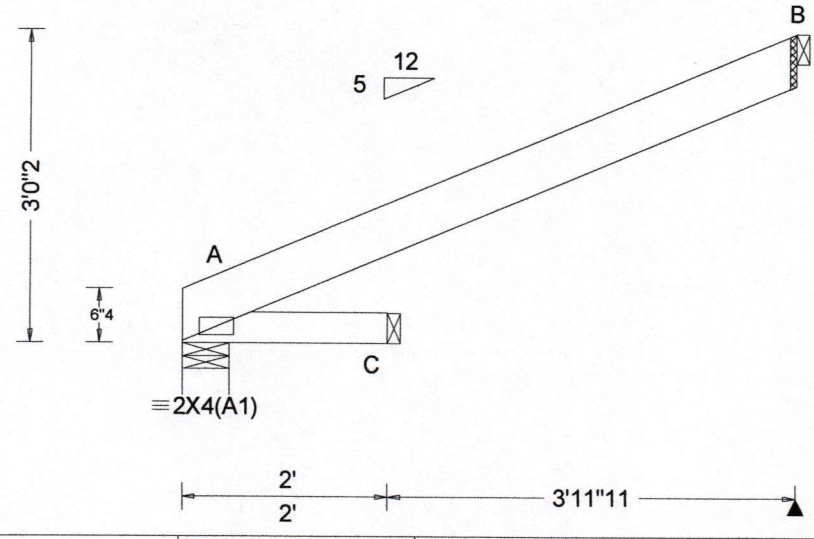
ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296277 CAJA FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** S6A	Cust: R 880 JRef: 1WMP8800001 T34 DrwNo: 193.19.0738.34267 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.004	C	999	360
VERT(CL): 0.007	C	999	240
HORZ(LL): 0.003	C	-	-
HORZ(TL): 0.005	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.205
Max BC CSI: 0.174
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	167	/-	/-	/82	/-	/50
C	81	/-	/-	/46	/8	/-
B	160	/-	/-	/64	/29	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 1.5"x5.625" DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

Wind loads based on MWFRS with additional C&C member design.

07/12/2019

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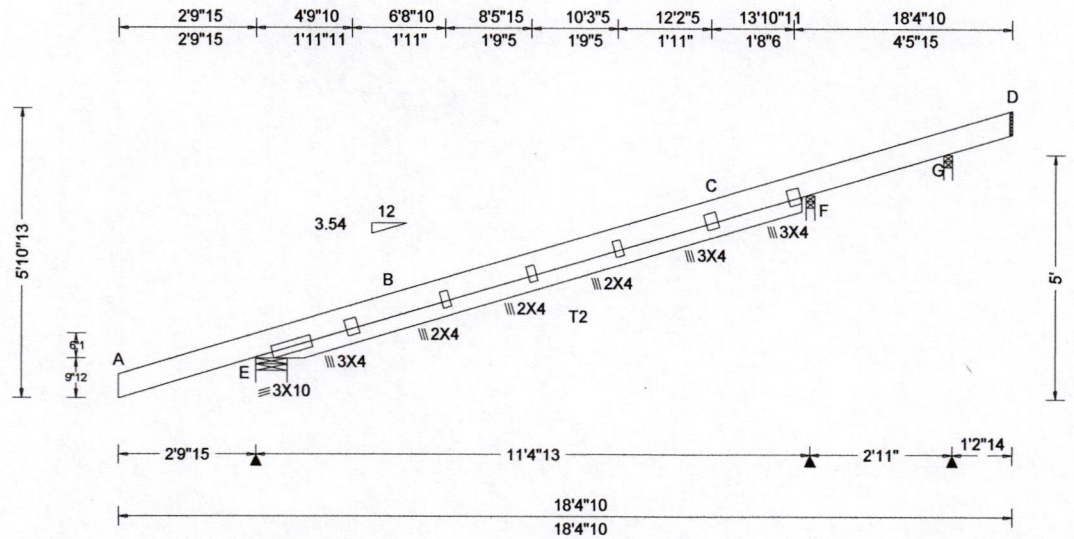
(707) 763-8713 Ext

ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296286 CALF FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** R1	Cust: R 880 JRef: 1WMP8800001 T25 DrwNo: 193.19.0738.45943 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	0.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.071	B	999	240
VERT(CL): 0.146	B	884	180
HORZ(LL): 0.026	B	-	-
HORZ(TL): 0.053	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.454
Max BC CSI: 0.000
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	275	/-	/-	/-	/16	/-
F	479	/-	/-	/-	/60	/-
G	59	/-	/-	/-	/10	/-

Wind reactions based on MWFRS
E Brg Width = 7.8 Min Req = 1.5
F Brg Width = 2.1 Min Req = 1.5
G Brg Width = 2.1 Min Req = 1.5
Bearings E, F, & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - C	615	-552

Lumber

Top chord 1.5"x5.5625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #2(g):
Bot chord

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 1 plf at -2.83 to 1 plf at 15.56
TC: 144 lb Conc. Load at 2.79
TC: -2 lb Conc. Load at 2.87
TC: 113 lb Conc. Load at 5.62
TC: 82 lb Conc. Load at 5.75
TC: 171 lb Conc. Load at 8.45
TC: 228 lb Conc. Load at 11.36
TC: 59 lb Conc. Load at 14.11

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Wind

Wind loads and reactions based on MWFRS.
Left and right cantilevers are exposed to wind

Additional Notes

Shim all supports to solid bearing.

REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREA
No. C 72160
CIVIL
STATE OF CALIFORNIA
07/12/2019

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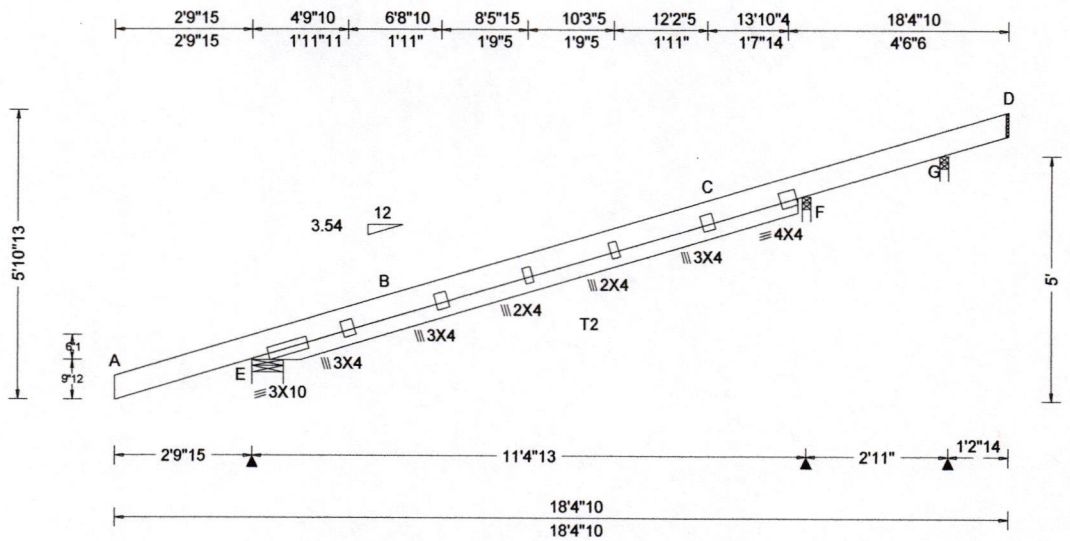
PETALUMA CA 94952
(707) 763-8713 Ext

ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296288 CALF FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** R1	Cust: R 880 JRef: 1WMP8800001 T21 DrwNo: 193.19.0739.08753 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	0.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.089	B	999	240
VERT(CL): 0.182	B	710	180
HORZ(LL): 0.032	B	-	-
HORZ(TL): 0.065	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.558
Max BC CSI: 0.000
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	313	/-	/-	/-	/23	/-
F	586	/-	/-	/-	/80	/-
G	59	/-	/-	/-	/10	/-

Wind reactions based on MWFRS
E Brg Width = 7.8 Min Req = 1.5
F Brg Width = 2.1 Min Req = 1.5
G Brg Width = 2.1 Min Req = 1.5
Bearings E, F, & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - C	889	-802

Lumber

Top chord 1.5"x5.5625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #2(g):
Bot chord

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 1 plf at -2.83 to 1 plf at 15.56
TC: 144 lb Conc. Load at 2.79
TC: -2 lb Conc. Load at 2.87
TC: 113 lb Conc. Load at 5.62
TC: 82 lb Conc. Load at 5.75
TC: 171 lb Conc. Load at 8.45
TC: 145 lb Conc. Load at 8.57
TC: 228 lb Conc. Load at 11.36
TC: 59 lb Conc. Load at 14.11

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Wind

Wind loads and reactions based on MWFRS.
Left and right cantilevers are exposed to wind

Additional Notes

Shim all supports to solid bearing.

07/12/2019

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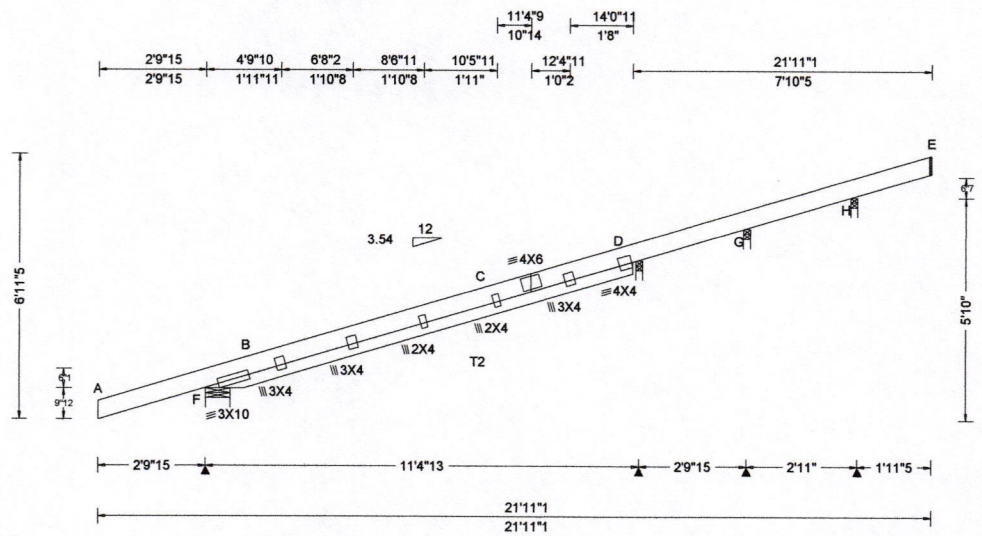
American Truss Company, Inc.
4550 Spring Hill Road
PETALUMA CA 94952
(707) 763-8713 Ext

ALPINE
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296291 CALF FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** 5R	Cust: R 880 JRef: 1WMP8800001 T9 DrwNo: 193.19.0739.22750 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	0.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.090	C	999	240
VERT(CL): 0.184	C	702	180
HORZ(LL): 0.032	C	-	-
HORZ(TL): 0.066	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.577
Max BC CSI: 0.000
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	311	/-	/-	/-	/24	/-
D	586	/-	/-	/-	/79	/-
G	46	/-	/-	/-	/10	/-
H	99	/-	/-	/-	/12	/-

Wind reactions based on MWFRS
F Brg Width = 7.8 Min Req = 1.5
D Brg Width = 2.1 Min Req = 1.5
G Brg Width = 2.1 Min Req = 1.5
H Brg Width = 2.1 Min Req = 1.5
Bearings F, D, G, & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
C - D	219 - 1781

Lumber

Top chord 1.5"x5.625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #2(g):
Bot chord

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 1 plf at -2.83 to 1 plf at 19.09
TC: -2 lb Conc. Load at 2.87
TC: 144 lb Conc. Load at 2.92
TC: 82 lb Conc. Load at 5.62
TC: 113 lb Conc. Load at 5.75
TC: 145 lb Conc. Load at 8.45
TC: 171 lb Conc. Load at 8.57
TC: 228 lb Conc. Load at 11.36
TC: 59 lb Conc. Load at 14.23,17.06
TC: 21 lb Conc. Load at 19.09

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Wind

Wind loads and reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Additional Notes

Shim all supports to solid bearing.

07/12/2019

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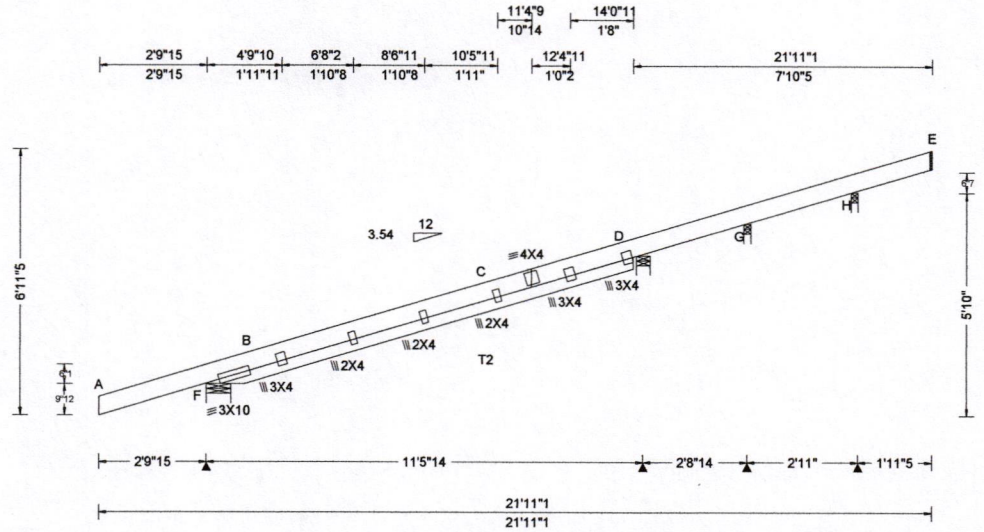
SEQN: 296339 CALF FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** R8	Cust: R 880 JRef: 1WMP8800001 T4 DrwNo: 193.19.0739.43007 / RTT 07/12/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	0.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.070	C	999	240
VERT(CL): 0.141	C	923	180
HORZ(LL): 0.025	C	-	-
HORZ(TL): 0.051	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.437
Max BC CSI: 0.000
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	267	/-	/-	/-	/18	/-
D	231	/-	/-	/-	/29	/-
G	1278	/-	/-	/123	/-	/-
H	4	/-	/-	/-	/-	/-

Wind reactions based on MWFRS
F Brg Width = 7.8 Min Req = 1.5
D Brg Width = 4.2 Min Req = 1.5
G Brg Width = 2.1 Min Req = 1.5
H Brg Width = 2.1 Min Req = 1.5
Bearings F, D, G, & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
C - D	152	- 1196

Lumber

Top chord 1.5"x5.625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #2(g):
Bot chord

Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 1 plf at -2.83 to 1 plf at 19.09
TC: 144 lb Conc. Load at 2.79
TC: -2 lb Conc. Load at 2.87
TC: 113 lb Conc. Load at 5.62
TC: 82 lb Conc. Load at 5.75
TC: 145 lb Conc. Load at 8.57
TC: 1276 lb Conc. Load at 14.23

Plating Notes

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Wind

Wind loads and reactions based on MWFRS.
Left and right cantilevers are exposed to wind

Additional Notes

Shim all supports to solid bearing.

07/12/2019

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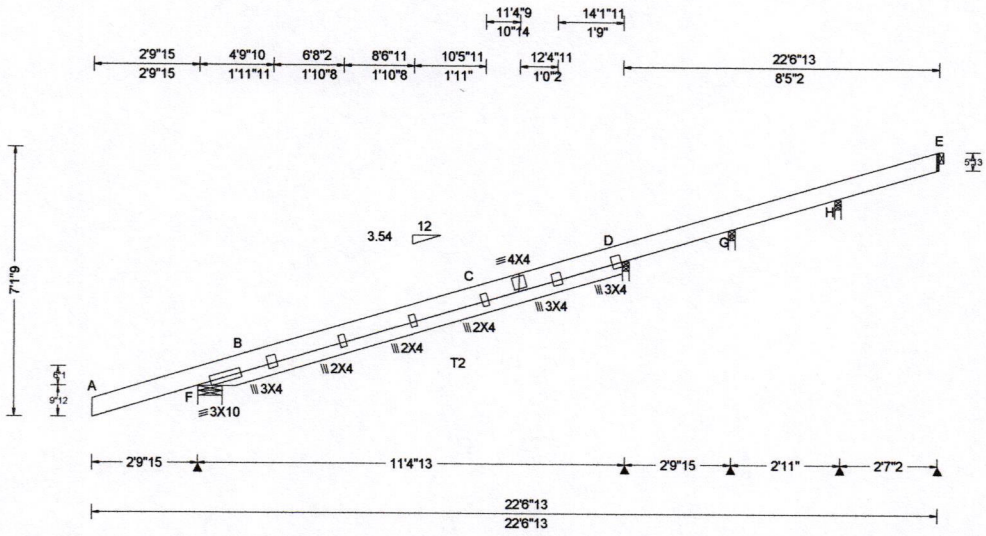
8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 296303 CALF FROM:	Ply: 1 Qty: 1	**Job Number:** 81225 /REID FIRE REPLACEMENT /MEAD CLARK **Truss Label:** R16	Cust: R 880 JRef: 1WMP8800001 T14 DrwNo: 193.19.0740.03960 / RTT 07/12/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 0.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 110 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: CBC 2016 Res
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.071	C	999	240
VERT(CL): 0.149	C	864	180
HORZ(LL): 0.026	C	-	-
HORZ(TL): 0.054	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.463
Max BC CSI: 0.000
Max Web CSI: 0.000

VIEW Ver: 17.02.02C.0211.17

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	275	/-	/-	/-	/17	/-
D	488	/-	/-	/-	/59	/-
G	65	/-	/-	/-	/11	/-
H	64	/-	/-	/-	/11	/-
E	3	/-	/-	/-	/-	/-

Wind reactions based on MWFRS
F Brg Width = 7.8 Min Req = 1.5
D Brg Width = 2.1 Min Req = 1.5
G Brg Width = 2.1 Min Req = 1.5
H Brg Width = 2.1 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
Bearings F, D, G, & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
C - D	128	-1309

Lumber
Top chord 1.5"x5.625" DF-L #2(g) :T2 1.5"x3.5625" DF-L #2(g):
Bot chord
Lumber shall be dried to a maximum moisture content of 19% prior to installation.

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.83 to 1 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 19.74
TC: -2 lb Conc. Load at 2.87
TC: 144 lb Conc. Load at 2.92
TC: 82 lb Conc. Load at 5.62
TC: 113 lb Conc. Load at 5.75
TC: 171 lb Conc. Load at 8.57
TC: 228 lb Conc. Load at 11.36
TC: 59 lb Conc. Load at 14.23,17.06

Plating Notes
Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Shim all supports to solid bearing.

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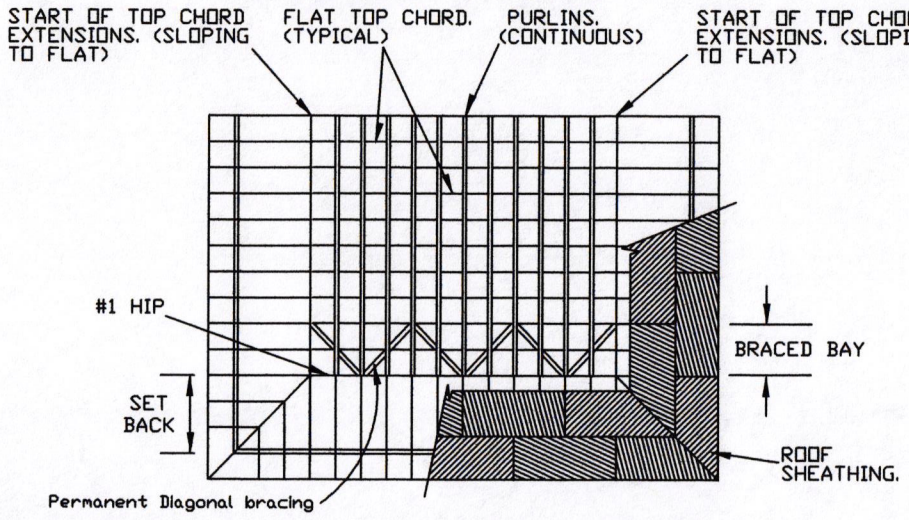
CALIFORNIA HIP PERMANENT BRACING DETAIL - END JACKS SUPPORTED 48" o/c

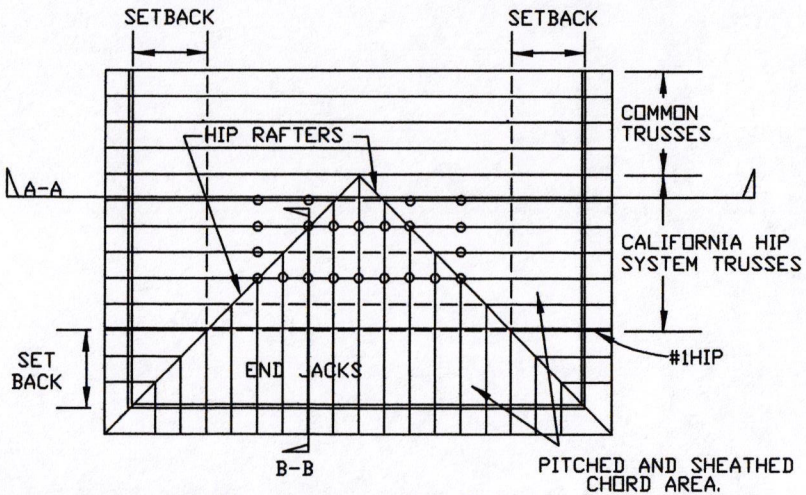
PERMANENT BRACING



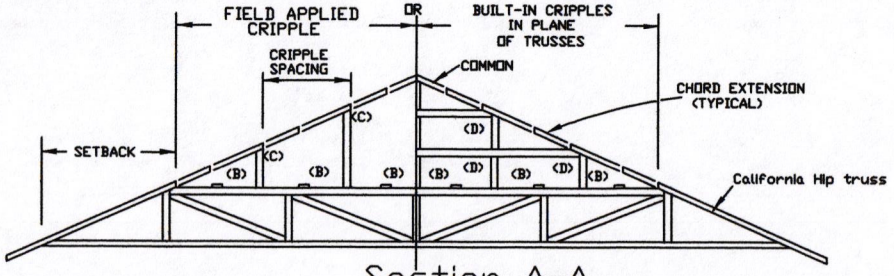
Permanent diagonals form braced bays. Repeat at all hip ends. Maximum interval equals 20 ft. Note: The first braced bay at the #1 hip can be excluded when the following conditions are met:
1) Continuous purlins are attached to the flat top chord of the #1 hip.
2) The end jacks are sheathed with properly attached structural panels.

Note: Conventional framing, including cripples and their connections, is not the responsibility of the truss designer, plate manufacturer, or truss fabricator. Persons erecting trusses are cautioned to seek advice of a local professional engineer regarding conventional framing. Trusses shall be designed for the appropriate tributary area.

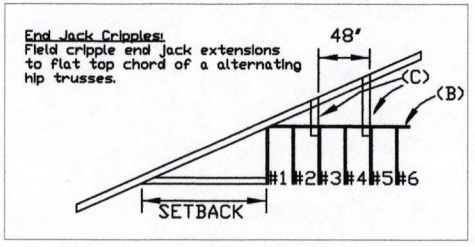
CRIPPLE SUPPORT LAYOUT



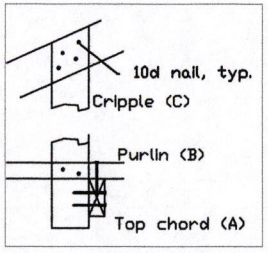
Wind: Maximum wind speed 120 mph, Exp. C, Cat. II, 30 ft. mean roof height and 5 psf min. dead load. Connect cripples to rafter extensions with (6)10d nails (0.128x3"), and to top chord of hip truss and purlin with (3) 10d nails. -OR- Butt cripples to jack rafter and hip truss top chord, and provide connection for 360# uplift each end (Simpson H2.5T clip with 8d nails (0.131"x1.5") or equivalent.)
(A) Hip truss top chord. (B) 2X4 continuous purlin, 24" o/c typ.
(C) CRIPPLES: o - Cripple Location. (4' o.c. cripple spacing shown)
Cripples support extended top chords of end jacks, hip jacks, and hips.
Material: 2X4 SPF, HF, DF-L, or So.Pine Standard/Stud/#3 min. grade.
Max. cripple length = 6'3". Max. 40 psf Snow Load + 14 psf Dead Load.
(D) Cripples and horizontal false top chords may be built into truss.



Section A-A



Section B-B



Cripple Connections

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See truss drawings for specific design information.

Design Crit.: NDS-2018

Spacing: 24" oc, typ.

REF	CALIF. BRACE
DATE	01/30/2018
DRWG	BRCALHIP0118

07/12/2019

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforecement or scab reinforcement.

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

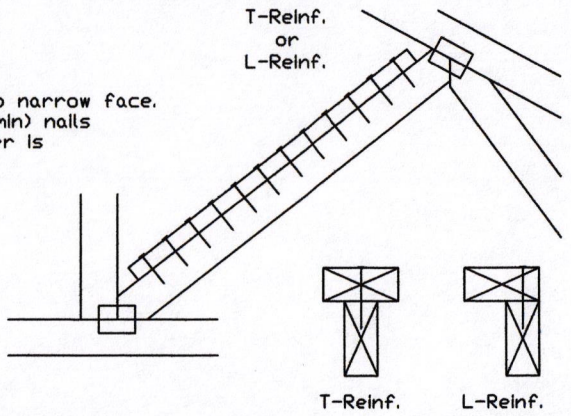
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(*) Center scab on wide face of web. Apply (1) scab to each face of web.

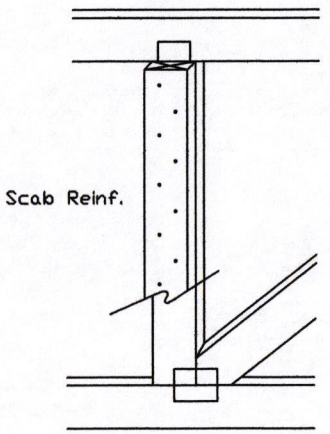
T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



Scab Reinforcement:

Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGEN
No. C 72160
CIVIL
STATE OF CALIFORNIA

ALPINE™ AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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TC LL	PSF	REF CLR Subst.
TC DL	PSF	DATE 01/02/19
BC DL	PSF	DRWG BRCLBSUB0119
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

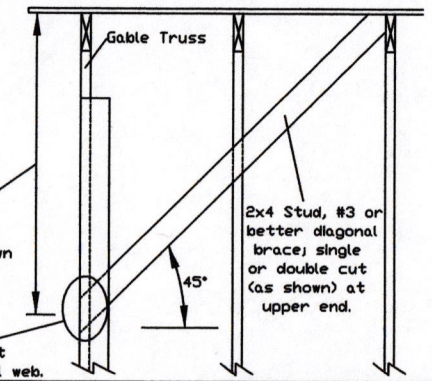
Gable Stud Reinforcement Detail

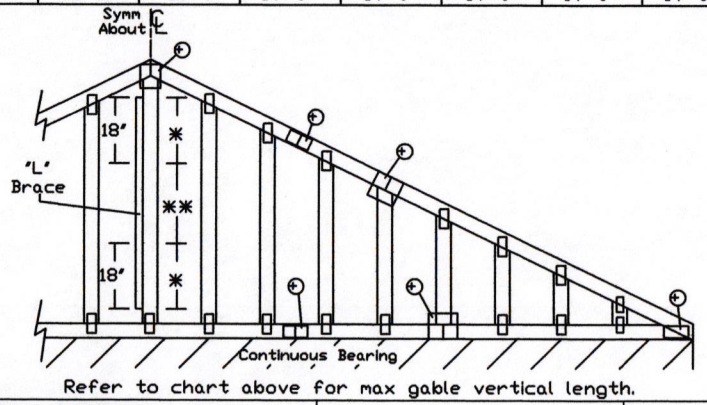
ASCE 7-10: 115 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Max Gable Vertical Length

2x4 Gable Vertical Spacing	Species	Brace Grade	No Braces	(1) 1x4 "L" Brace * Group A	(1) 1x4 "L" Brace * Group B	(1) 2x4 "L" Brace * Group A	(1) 2x4 "L" Brace * Group B	(2) 2x4 "L" Brace ** Group A	(2) 2x4 "L" Brace ** Group B	(1) 2x6 "L" Brace * Group A	(1) 2x6 "L" Brace * Group B	(2) 2x6 "L" Brace ** Group A	(2) 2x6 "L" Brace ** Group B
24" o.c.	SPF HF	#1 / #2	4' 11"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 8"	8' 1"	8' 7"	9' 10"	10' 3"	11' 9"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 8"	8' 0"	8' 6"	9' 10"	10' 3"	11' 9"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 8"	6' 11"	7' 4"	9' 2"	9' 10"	11' 9"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 2"	8' 7"	8' 10"	10' 1"	10' 6"	12' 0"	12' 5"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 10"	7' 3"	7' 9"	9' 8"	10' 3"	11' 9"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 10"	7' 3"	7' 9"	9' 8"	10' 3"	11' 9"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 8"	6' 5"	6' 10"	8' 7"	9' 2"	11' 7"	12' 2"	13' 5"	14' 0"	14' 0"	14' 0"
16" o.c.	SPF HF	#1 / #2	5' 8"	9' 8"	10' 0"	11' 5"	11' 10"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 5"	9' 6"	10' 0"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 5"	9' 6"	9' 10"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 5"	8' 5"	9' 0"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 11"	9' 9"	10' 2"	11' 6"	12' 0"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 8"	9' 8"	10' 0"	11' 5"	11' 10"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 6"	8' 11"	9' 6"	11' 4"	11' 9"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 6"	8' 11"	9' 6"	11' 4"	11' 9"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 5"	7' 10"	8' 4"	10' 6"	11' 2"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF HF	#1 / #2	6' 3"	10' 7"	11' 0"	12' 7"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 11"	10' 6"	10' 10"	12' 5"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 11"	10' 6"	10' 10"	12' 5"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 11"	9' 9"	10' 5"	12' 5"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	6' 6"	10' 9"	11' 12"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	6' 3"	10' 7"	11' 0"	12' 7"	13' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	6' 1"	10' 3"	10' 11"	12' 6"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	6' 1"	10' 3"	10' 11"	12' 6"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 11"	9' 1"	9' 8"	12' 1"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 305# at each end. Max web total length is 14'.





Refer to chart above for max gable vertical length.

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard

Douglas Fir-Larch	Southern Pine***
#3	#3
Stud	Stud
Standard	Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch	Southern Pine***
#1	#1
#2	#2

1x4 Braces shall be SRB (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 30 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails.

* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

** For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0", but less than 11' 6"	2X4
Greater than 11' 6"	3X4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

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MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-10-GAB11515
DATE	10/01/14
DRWG	A11515ENC101014

ASCE 7-10: 120 mph, 30' Mean Height, Closed, Exposure C
Common Residential Gable End Wind Bracing Requirements - Stiffeners

120 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp C, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp D, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Part. Enclosed, Exp C,
Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

Lateral chord bracing requirements
Top: Continuous roof sheathing
Bot: Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail for lumber, plates, and other information not shown on this detail.

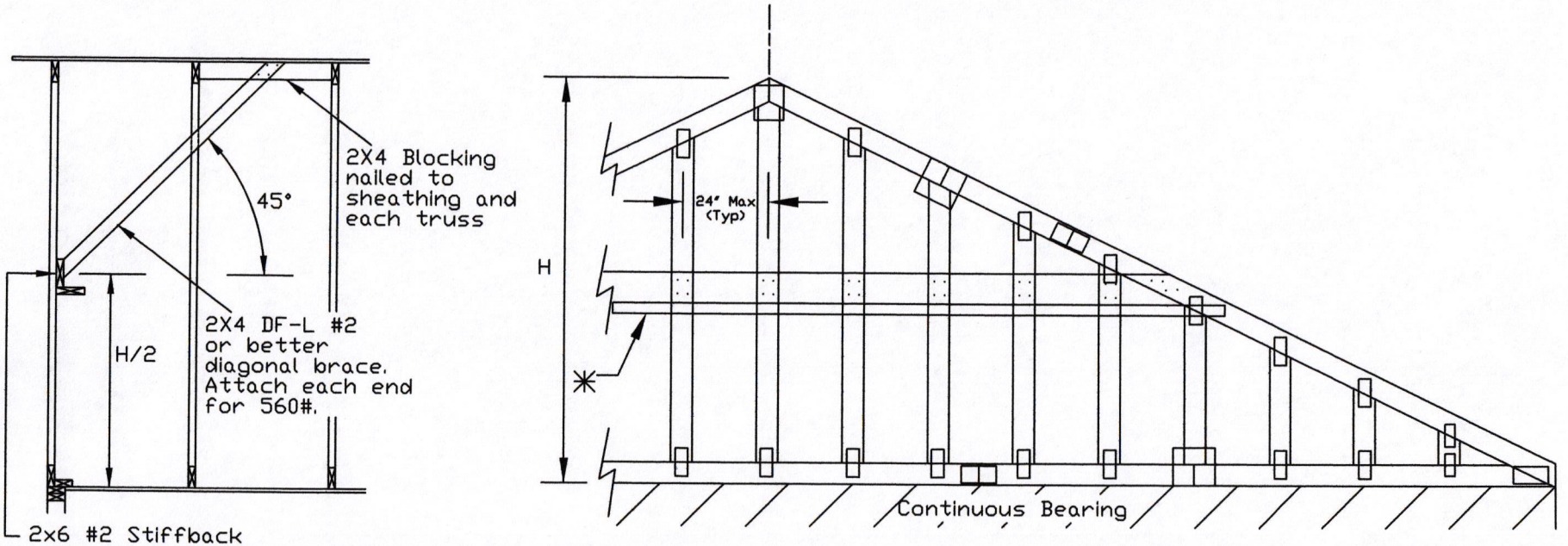
Nails: 10d box or gun (0.128"x3",min) nails.

H Less than 4'6" - no stud bracing required

H Greater than 4'6" to 7'6" in length provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DRWG A12030ENC101014).

H Greater than 7'6" to 12'0" max: provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DRWG A12030ENC101014).

✳ Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0.128" x 3", min.) nails @ 6" o.c.



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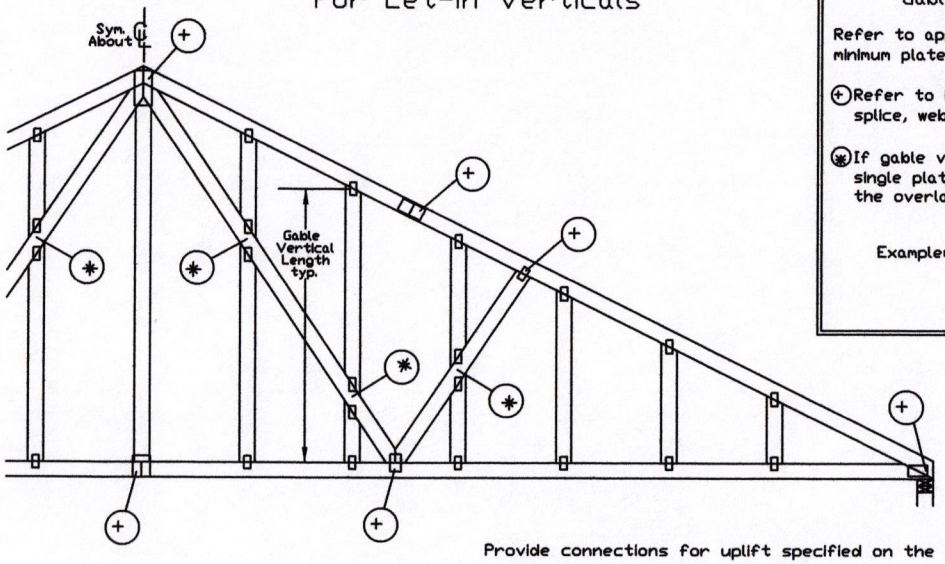
MAX. TOT. LD. 60 PSF

MAX. SPACING

REF	GE WHALER
DATE	10/01/14
DRWG	GABRST101014

Gable Detail
For Let-in Verticals



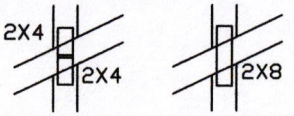
Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

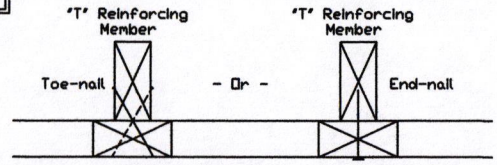
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

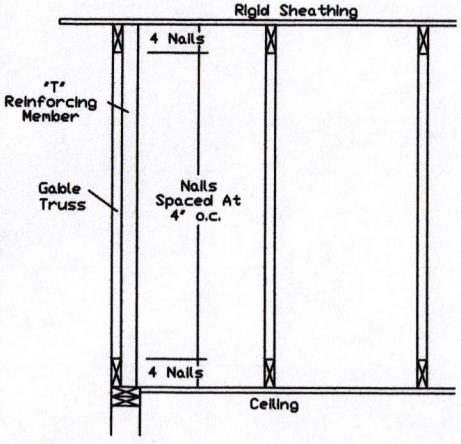
⊛ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



"T" Reinforcement Attachment Detail





Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:
10d Common (0.148"x 3",min) Nails at 4" o.c. plus
(4) nails in the top and bottom chords.

Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.

To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace

"T" Reinf. Mbr. Size	"T" Increase
2x4	30 %
2x6	20 %

Example:
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24"o.c. SP #3
"T" Reinforcing Member Size = 2x4
"T" Brace Increase (From Above) = 30% = 1.30
(1) 2x4 "L" Brace Length = 8' 7"
Maximum "T" Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"

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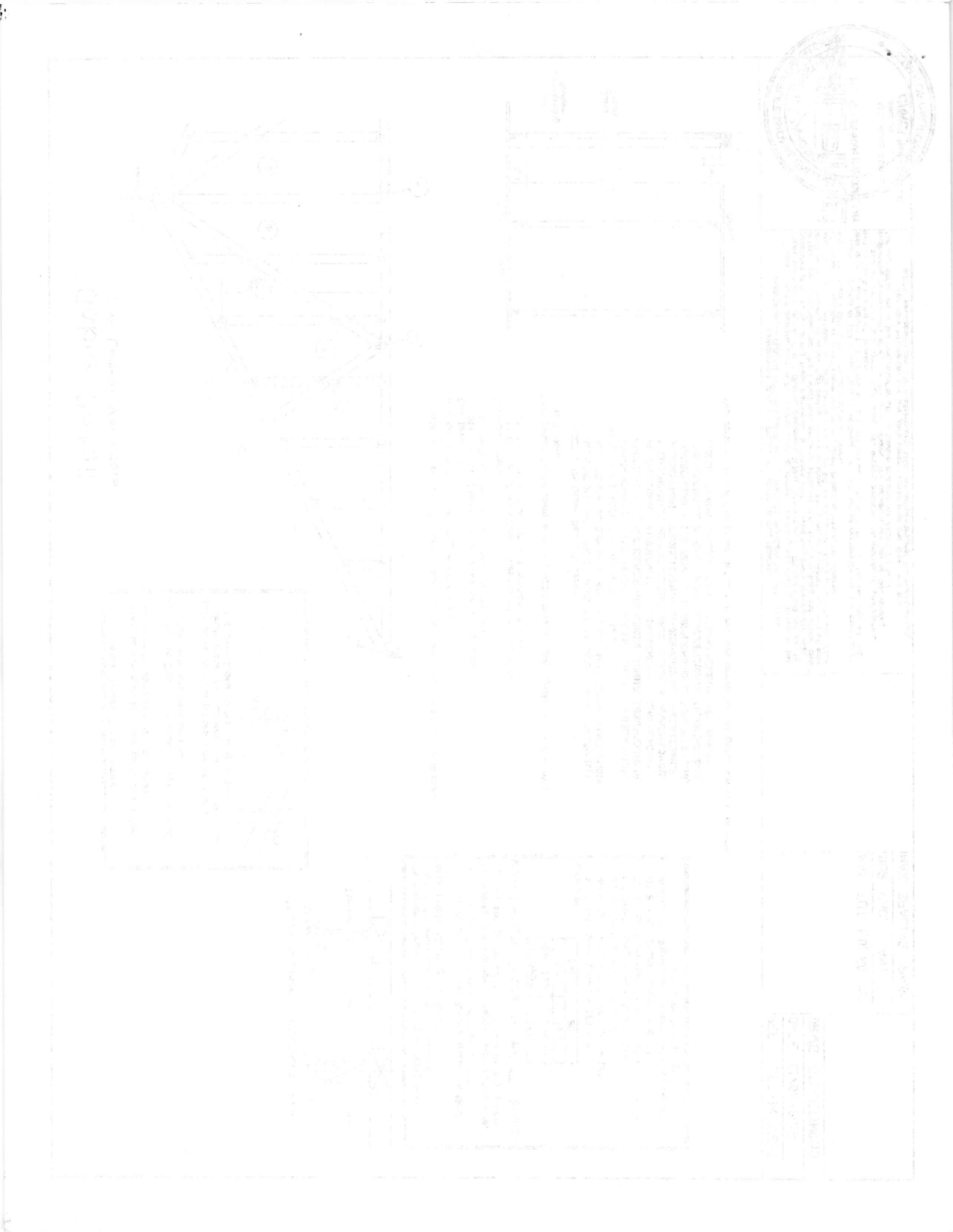
MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"

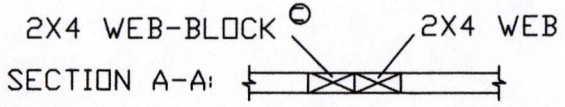
REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118

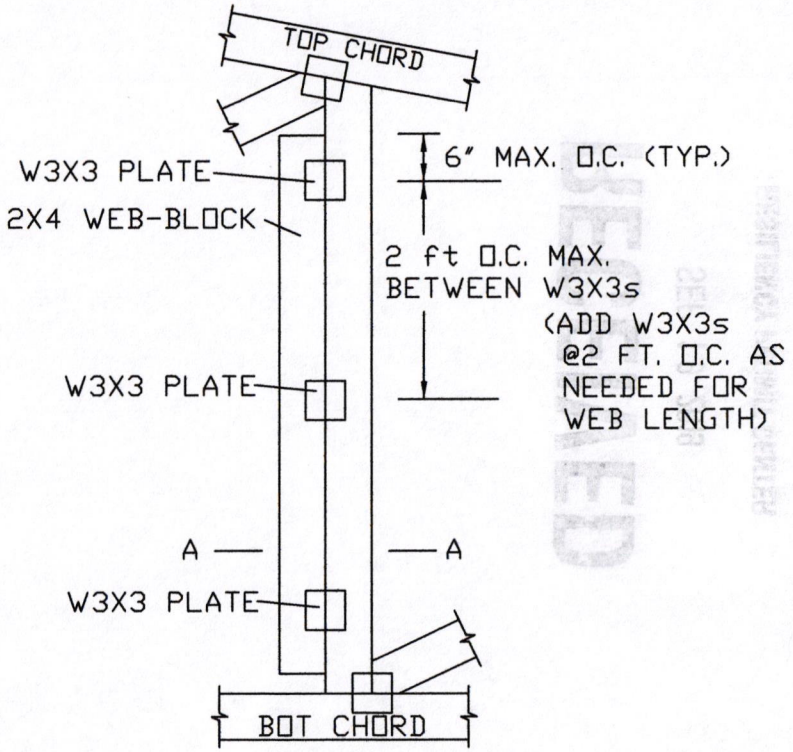


2x4 WEB WITH WEB-BLOCK©

REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR LUMBER, PLATES AND OTHER INFORMATION NOT SHOWN BELOW.

PLATES FASTENING WEB-BLOCK TO WEB SHALL BE W3X3 OR LARGER. PLATE POSITIONING TOLERANCES ON WEB-BLOCKS SHALL BE PERMITTED TO BE VARIED UP TO 6 INCHES FROM GIVEN POSITIONS, EXCEPT THAT PLATES AT THE END OF THE WEB-BLOCK MUST BE WITHIN 6 INCHES OF THE END OF THE WEB-BLOCK.





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REF	2x4 Web Block
DATE	10/01/14
DRWG	BRWEBLOK1014