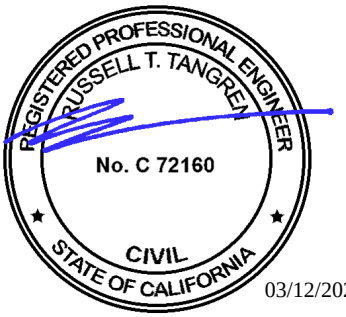

03/12/2020

Alpine, an ITW Company
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Sacramento, CA 95826
Phone: (800)877-3678 (916)387-0116
Fax: (916)387-1110
sacseals@itwbcg.com

Site Information:	**Page 1:**
Customer: American Truss Company, Inc.	*Job Number:* 9898
Job Description: /DODGE RESIDENCE /MEAD CLARK	
Address: 4601 PRESSLEY ROAD, SANTA ROSA, CA 95404	

Job Engineering Criteria:	
Design Code: IBC 2018 Res	*IntelliVIEW Version:* 18.02.01B through 19.02.02 *JRef #:* 1WTH8800008
Wind Standard: ASCE 7-16 *Wind Speed (mph):* 110 *Building Type:* Closed	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 22 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	072.20.0720.36040	G1	2	072.20.0720.38787	T1
3	072.20.0720.43520	T2	4	072.20.0734.33507	T3
5	072.20.0722.40320	G4	6	072.20.0723.07977	T4
7	072.20.0724.01680	T5	8	072.20.0724.45277	T6*
9	072.20.0724.50113	T7*	10	072.20.0724.53447	T8
11	072.20.0727.59853	T9	12	072.20.0728.11763	T10
13	072.20.0728.13530	T11	14	072.20.0728.14970	T12
15	072.20.0728.16570	T13	16	072.20.0728.19413	T14
17	072.20.0728.21190	T15	18	072.20.0728.23760	T16
19	072.20.0728.26327	T17	20	072.20.0736.26803	T18
21	072.20.0721.25900	T19	22	072.20.0721.56867	G20
23	A11515ENC160118		24	GABRST160118	
25	GBLLETIN0118		26	BRCLBSUB0119	
27	BRWEBLOK1014		28	160TL	

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 AWC. 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.

Fire Retardant Treated Lumber:
Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

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.

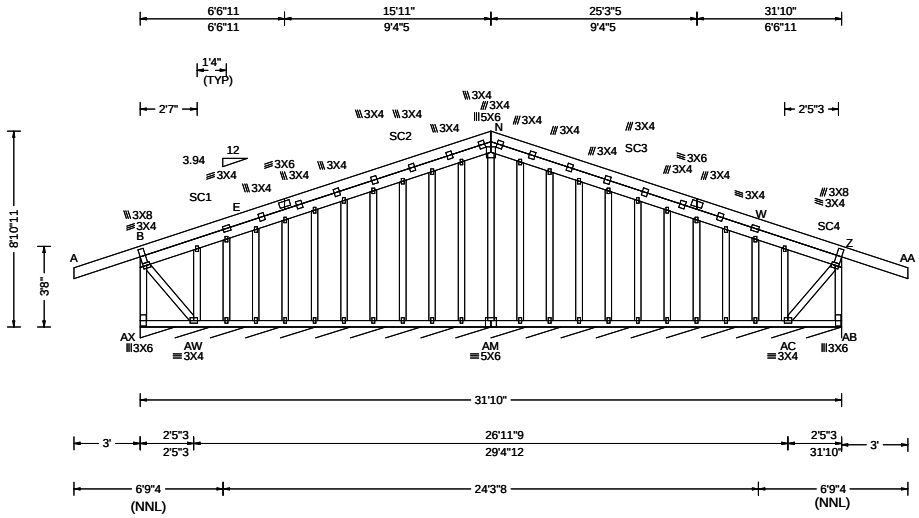
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze Fire Retardant Treated lumber.
FRT-DC = Dricon Fire Retardant Treated lumber.
FRT-FP = FirePRO Fire Retardant Treated lumber.
FRT-FL = FlamePRO Fire Retardant Treated lumber.
FRT-FT = FlameTech Fire Retardant Treated lumber.
FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.
g = green lumber.
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.
Ic = Incised lumber.
FJ = Finger Jointed lumber.
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 vertical Deflection due to creep, 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(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.
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. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.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, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 312733 GABL FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** G1	Cust: R 880 JRef:1WTH8800008 T2 DrwNo: 072.20.0720.36040 / RTT 03/12/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
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 7-16 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: 3.18 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.25	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: IBC 2018 Res TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 Z 999 360 VERT(CL): 0.011 Z 999 240 HORZ(LL): -0.001 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.358 Max BC CSI: 0.040 Max Web CSI: 0.142 VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AX*	187	/-	/-	/72	/-	/3

Wind reactions based on MWFRS
AX Brg Width = 382 Min Req = -
Bearing AX is a rigid surface.
Members not listed have forces less than 375#

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
B -AX	232	-740	Z -AB	232	-740

Lumber

Top chord 2x6 DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)
Stack Chord: SC1 2x6 DF-L SS(g);
Stack Chord: SC2 2x6 DF-L #2(g);
Stack Chord: SC3 2x6 DF-L #2(g);
Stack Chord: SC4 2x6 DF-L SS(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.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

03/12/2020

****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

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Additional Notes

See DWGS A11515ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

03/12/2020

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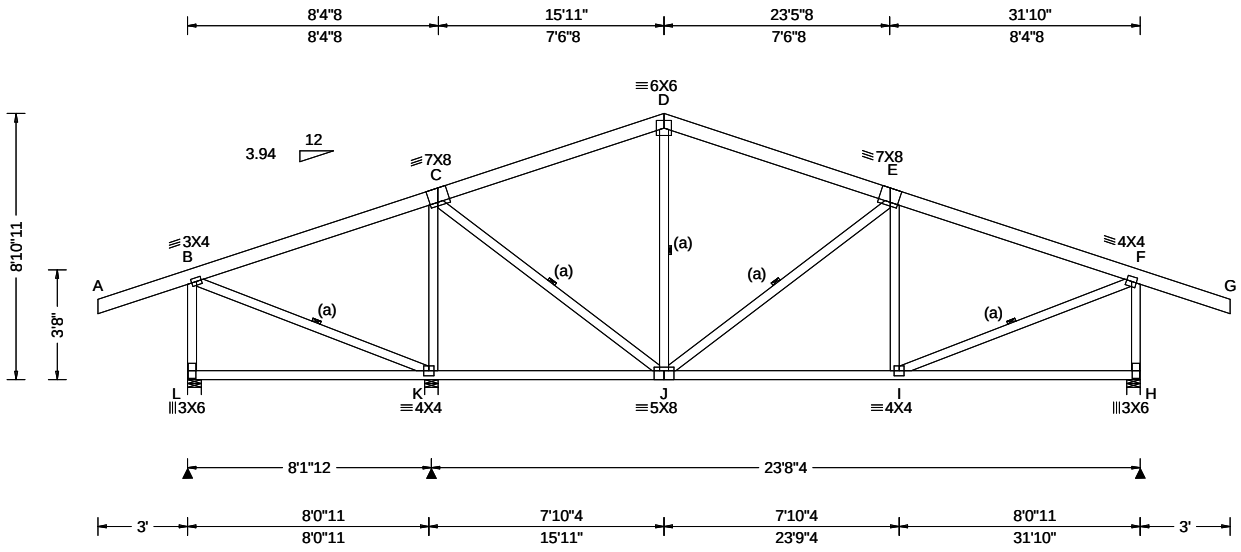
Sacramento, CA 95826

SEQN: 312670 COMN FROM:	Ply: 1 Qty: 3	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T1	Cust: R 880 JRef:1WTH8800008 T4 DrwNo: 072.20.0720.38787 / RTT 03/12/2020



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 7-16
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: 3.18 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.028	E	999	360
VERT(CL): 0.052	E	999	240
HORZ(LL): 0.006	H	-	-
HORZ(TL): 0.010	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.349
Max BC CSI: 0.636
Max Web CSI: 0.761

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	472	/-	/-	/260	/31	/116
K	1537	/-	/-	/761	/8	/-
H	1201	/-	/-	/660	/30	/-

Wind reactions based on MWFRS
L Brg Width = 5.5 Min Req = 1.5
K Brg Width = 5.5 Min Req = 1.5
H Brg Width = 5.5 Min Req = 1.5
Bearings L, K, & 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.
C - D	175	- 719	E - F	138	- 1072
D - E	174	- 723			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
J - I	949	- 49

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	204	- 411	J - E	77	- 477
K - C	215	- 1236	I - F	1011	- 50
C - J	832	- 39	F - H	261	- 1138

Lumber
Top chord 2x6 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.

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

Loading
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.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

03/12/2020

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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.

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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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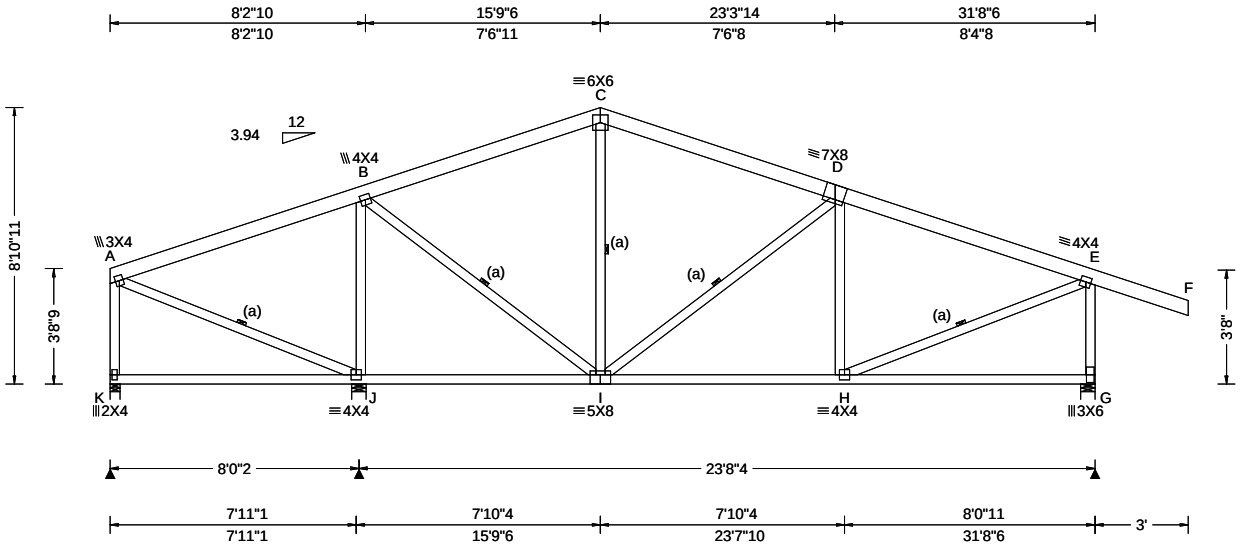
SEQN: 312672 COMN FROM:	Ply: 1 Qty: 3	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T2	Cust: R 880 JRef:1WTH8800008 T12 DrwNo: 072.20.0720.43520 / RTT 03/12/2020	



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 7-16
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: 3.17 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.028	D	999	360
VERT(CL): 0.052	D	999	240
HORZ(LL): 0.006	G	-	-
HORZ(TL): 0.011	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.415
Max BC CSI: 0.636
Max Web CSI: 0.780

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	241	/-	/-	/114	/3	/103
J	1560	/-	/-	/774	/10	/-
G	1204	/-	/-	/661	/29	/-

Wind reactions based on MWFRS
K Brg Width = 3.9 Min Req = 1.5
J Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
Bearings K, J, & 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	172	- 723	D - E	135	- 1077
C - D	170	- 725			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
I - H	953	- 46

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - B	235	- 1267	H - E	1015	- 47
B - I	824	- 32	E - G	259	- 1141
I - D	81	- 480			

Lumber

Top chord 2x6 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.

Plating Notes

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

Loading

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.

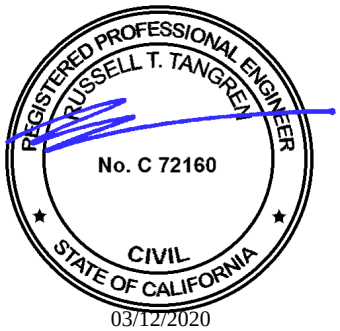
Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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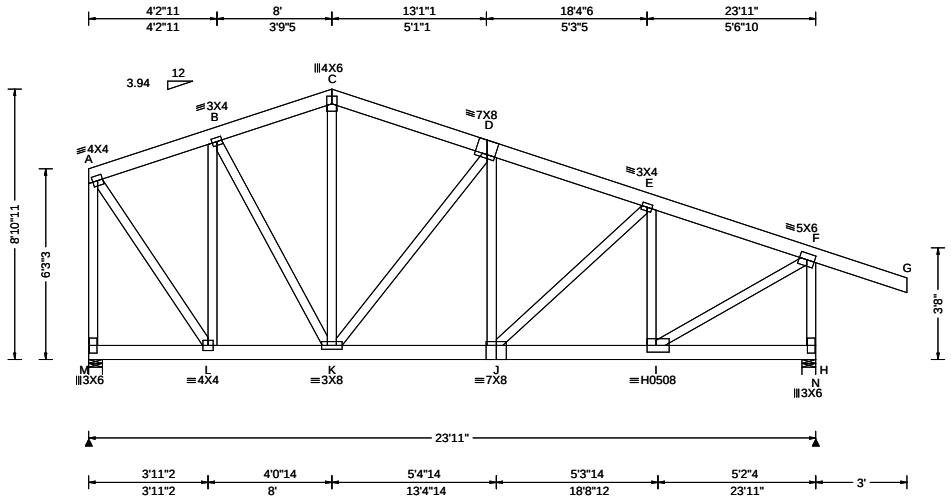
ALPINE™
AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 312698 COMN FROM:	Ply: 2 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T3		Cust: R 880 JRef:1WTH8800008 T5 DrwNo: 072.20.0734.33507 / RTT 03/12/2020	

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 7-16
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: 1.25

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: IBC 2018 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): 0.034	J	999	360
VERT(CL): 0.067	J	999	240
HORZ(LL): 0.008	H	-	-
HORZ(TL): 0.016	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.181
Max BC CSI: 0.872
Max Web CSI: 0.774

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	2229	/-	/-	/-	/290	/-
N	3970	/-	/-	/-	/221	/-

Wind reactions based on MWFRS
M Brg Width = 5.5 Min Req = 1.5
N Brg Width = 5.5 Min Req = 2.1
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.
A - B	79	- 601	D - E	101	- 1288
B - C	98	- 841	E - F	85	- 1753
C - D	97	- 836			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	572	- 73	J - I	1613	- 77
K - J	1195	- 94			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - M	141	- 1057	D - J	587	0
A - L	987	- 127	J - E	0	- 561
L - B	64	- 590	E - I	491	0
B - K	446	- 34	I - F	1904	- 88
C - K	409	- 32	F - H	110	- 1724
K - D	7	- 675			

Lumber

Top chord 2x6 DF-L #2(g)
Bot chord 2x6 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 @ 4.75" 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	61 plf at	0.00 to	61 plf at	8.00	
TC: From	31 plf at	8.00 to	31 plf at	21.85	
TC: From	61 plf at	21.85 to	61 plf at	26.92	
BC: From	10 plf at	0.00 to	10 plf at	23.92	
BC: From	4 plf at	23.92 to	4 plf at	26.92	

BC: 223 lb Conc. Load at 1.85
BC: 201 lb Conc. Load at 3.85, 7.85
BC: 194 lb Conc. Load at 5.85
BC: 141 lb Conc. Load at 9.85
BC: 186 lb Conc. Load at 11.85
BC: 244 lb Conc. Load at 13.85
BC: 262 lb Conc. Load at 15.85
BC: 263 lb Conc. Load at 17.85
BC: 2604 lb Conc. Load at 19.85
BC: 208 lb Conc. Load at 21.85

Plating Notes

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

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

03/12/2020

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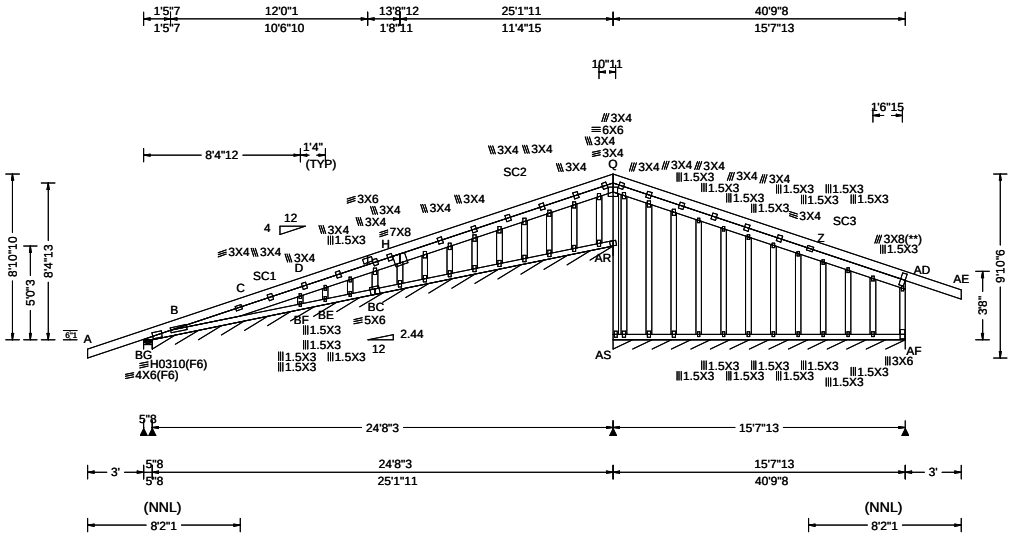
SEQN: 313018 GABL FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** G4	Cust: R 880 JRef:1WTH8800008 T20 DrwNo: 072.20.0722.40320 / RTT 03/12/2020	



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 7-16
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: 4.08 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.050	BF	999	360
VERT(CL): 0.095	BF	999	240
HORZ(LL): -0.042	AL	-	-
HORZ(TL): 0.082	AL	-	-

Creep Factor: 2.0
Max TC CSI: 0.543
Max BC CSI: 0.330
Max Web CSI: 0.207

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs), or *=PLF

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
BG	771 /-	/-	/479	/108	/103
BG	*95 /-	/-	/45	/-	/-
AS	*162 /-	/-	/74	/-	/-
BE	/-232				

Wind reactions based on MWFRS
BG Brg Width = 5.5 Min Req = 1.5
BG Brg Width = 296 Min Req = -
AS Brg Width = 187 Min Req = -
Bearings BG, BG, & AS are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	708	- 752

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
D -BF	0	- 732	AD-AF	279	- 680

Lumber

Top chord 2x6 DF-L SS(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)
Stack Chord: SC1 2x6 DF-L #2(g);
Stack Chord: SC2 2x6 DF-L #2(g);
Stack Chord: SC3 2x6 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.

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, 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.

Purlins

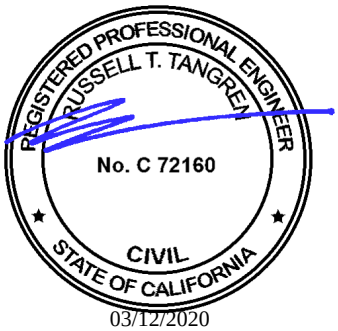
In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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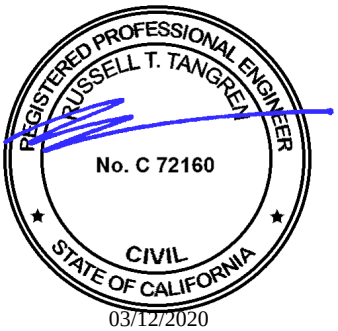
Additional Notes

See DWGS A11515ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

Shim all supports to solid bearing.



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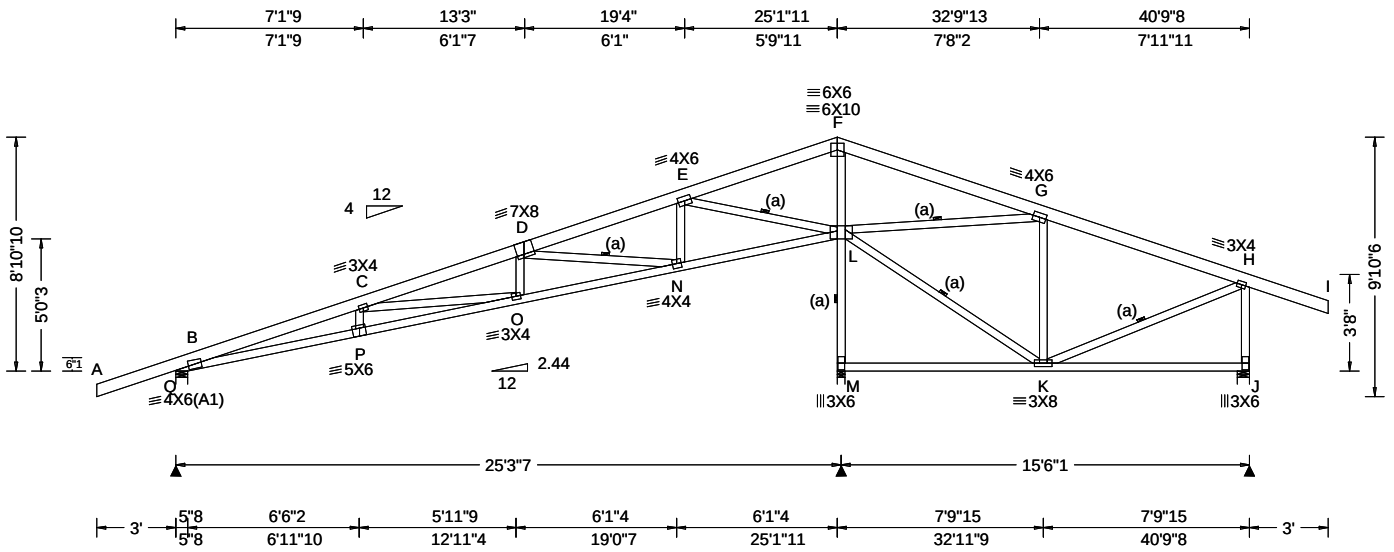
SEQN: 312619 COMN FROM:	Ply: 1 Qty: 16	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T4		Cust: R 880 JRef:1WTH8800008 T3 DrwNo: 072.20.0723.07977 / RTT 03/12/2020	



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 7-16
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: 4.08 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.198	C	999	360
VERT(CL): 0.393	C	767	240
HORZ(LL): 0.061	C	-	-
HORZ(TL): 0.120	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.631
Max BC CSI: 0.596
Max Web CSI: 0.619

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	951	/-	/-	/572	/33	/188
M	2396	/-	/-	/1422	/9	/-
J	595	/-76	/-	/356	/102	/-

Wind reactions based on MWFRS
Q Brg Width = 5.5 Min Req = 1.5
M Brg Width = 3.5 Min Req = 2.6
J Brg Width = 5.5 Min Req = 1.5
Bearings Q, M, & J 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	316	- 2585	F - G	2407	- 269
C - D	229	- 1551	G - H	437	- 225
E - F	2362	- 252			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2432	- 315	O - N	1442	- 175
P - O	2438	- 321			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - O	147	- 944	L - M	295	- 2338
O - D	406	0	L - G	372	- 2068
D - N	269	- 1631	L - K	208	- 426
N - E	687	- 6	G - K	591	0
E - L	325	- 1969	K - H	151	- 426
F - L	272	- 1803	H - J	160	- 533

Lumber
Top chord 2x6 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.

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.
Wind loading based on both gable and hip roof types.

Additional Notes
Shim all supports to solid bearing.

03/12/2020

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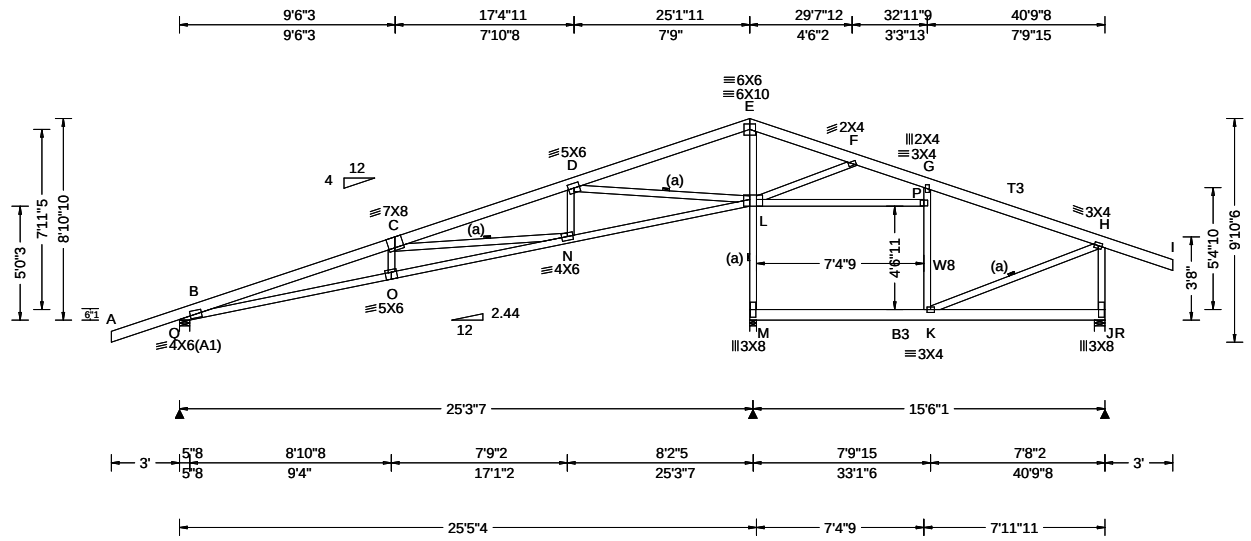
Sacramento, CA 95826

SEQN: 312609 COMN FROM:	Ply: 1 Qty: 8	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T5	Cust: R 880 JRef:1WTH8800008 T23 DrwNo: 072.20.0724.01680 / RTT 03/12/2020	



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 7-16
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: 4.08 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.268	C	999	360
VERT(CL): 0.595	C	507	240
HORZ(LL): 0.081	C	-	-
HORZ(TL): 0.197	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.857
Max BC CSI: 0.897
Max Web CSI: 0.870

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1103	/-	/-	/656	/8	/188
M	2607	/-	/-	/1201	/293	/-
R	604	/-	/-	/374	/59	/-

Wind reactions based on MWFRS
Q Brg Width = 5.5 Min Req = 1.5
M Brg Width = 3.5 Min Req = 2.8
R Brg Width = 5.5 Min Req = 1.5
Bearings Q, M, & R 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	381	- 3388	E - F	1945	- 250
C - D	270	- 1626	F - G	737	- 44
D - E	2007	- 256			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - O	3204	- 350	N - L	1499	- 283
O - N	3205	- 354			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - N	193	- 1757	L - F	244	- 1495
N - D	606	0	L - P	42	- 470
D - L	328	- 2541	P - G	492	- 40
E - L	192	- 1326	P - K	478	- 39
L - M	203	- 2323	H - J	242	- 526

Lumber

Top chord 2x6 DF-L #2(g) T3 2x6 DF-L SS(g);
Bot chord 1.5"x3.5625" DF-L #2(g) B3 2x6 DF-L #2(g);
Webs 1.5"x3.5625" DF-L Standard(g)
W8 1.5"x3.5625" DF-L #2(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	61 plf at	-3.00 to	61 plf at	43.79
BC: From	4 plf at	-3.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	25.14
BC: From	20 plf at	25.14 to	20 plf at	25.56
BC: From	80 plf at	25.56 to	80 plf at	32.81
BC: From	20 plf at	32.81 to	20 plf at	40.79
BC: From	4 plf at	40.79 to	4 plf at	43.79

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.

Additional Notes

Shim all supports to solid bearing.

Wind

Wind loads based on MWFRS.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

03/12/2020

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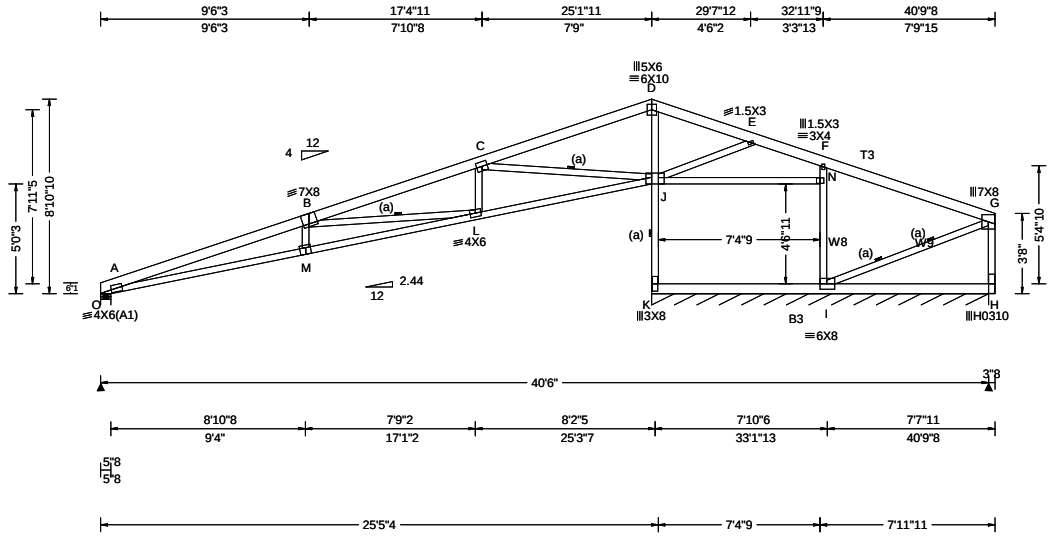
8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 312612 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T6*		Cust: R 880 JRef:1WTH8800008 T21 DrwNo: 072.20.0724.45277 / RTT 03/12/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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 7-16 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: 4.08 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.25	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: IBC 2018 Res TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.353 B 855 360 VERT(CL): 0.601 B 502 240 HORZ(LL): -0.139 J - - HORZ(TL): 0.182 B - - Creep Factor: 2.0 Max TC CSI: 0.591 Max BC CSI: 0.946 Max Web CSI: 0.946 VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	890	/-	/-	/526	/1	/152
K*	167	/-	/-	/83	/32	/0
K		/-353				
I		/-1732				
H		/-2696				

Wind reactions based on MWFRS
O Brg Width = 5.5 Min Req = 1.5
K Brg Width = 184 Min Req = -
Bearings O & K 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	372	- 3552	D - E	2914	- 1803
B - C	459	- 1951	E - F	3018	- 2499
C - D	2505	- 1285	F - G	3704	- 3643

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	3374	- 398	K - I	1753	- 1805
M - L	3373	- 401	I - H	1819	- 1808
L - J	1505	- 157			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	264	- 1816	J - E	181	- 853
L - C	601	0	J - N	50	- 413
C - J	342	- 2529	I - G	3718	- 3843
D - J	819	- 1663	G - H	2577	- 2664
J - K	376	- 2163			

Lumber

Top chord 2x6 DF-L #2(g) T3 2x6 DF-L SS(g);
Bot chord 1.5"x3.5625" DF-L #2(g) B3 2x6 DF-L #2(g);
Webs 1.5"x3.5625" DF-L Standard(g) W8,
W9 1.5"x3.5625" DF-L #2(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	61 plf at	0.00 to	61 plf at	40.79
BC: From	20 plf at	0.00 to	20 plf at	25.14
BC: From	60 plf at	25.56 to	60 plf at	32.81

Plating Notes

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

All plates are 5X6 except as noted.

Loading

Truss transfers a maximum horizontal load of 3500 # (85.95 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: 3500 85.95 TC 0.00 40.79
3500 225.76 BC 25.29 40.79

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

Wind

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

Right end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

03/12/2020

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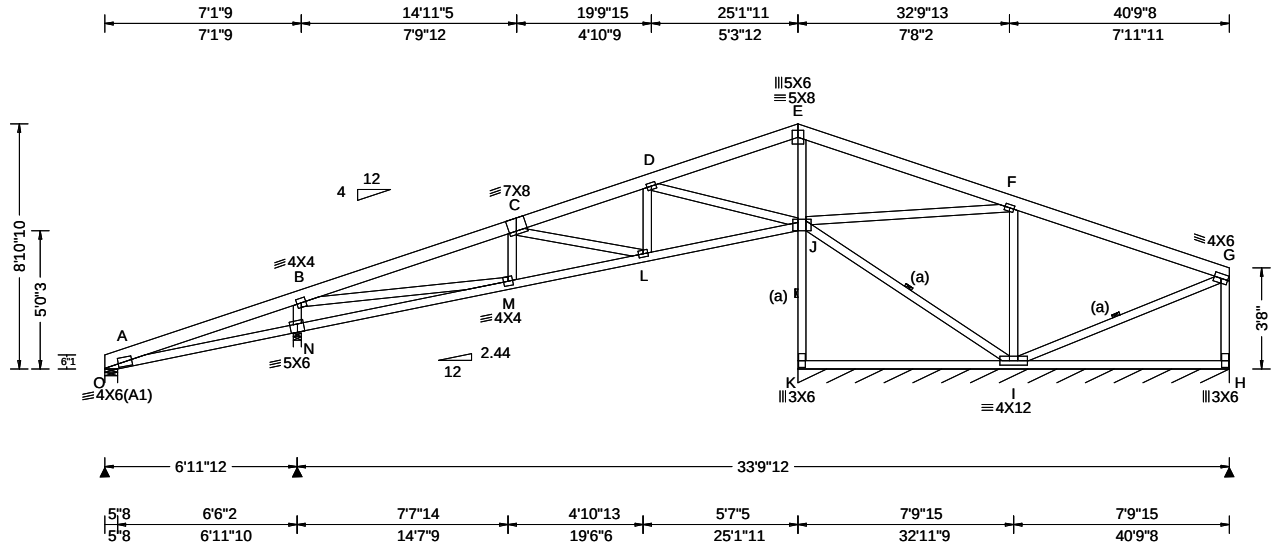
Sacramento, CA 95826

SEQN: 312623 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T7*	Cust: R 880 JRef:1WTH8800008 T22 DrwNo: 072.20.0724.50113 / RTT 03/12/2020



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 7-16
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: 4.08 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.077	C	999	360
VERT(CL): 0.086	C	999	240
HORZ(LL): 0.073	J	-	-
HORZ(TL): 0.090	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.509
Max BC CSI: 0.510
Max Web CSI: 0.815

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	263	/-	/-	/141	/-	/152
N	980	/-	/-	/750	/-	/-
K*	135	/-	/-	/72	/-	/-
K		/-1151				
H		/-1388				

Wind reactions based on MWFRS
O Brg Width = 5.5 Min Req = 1.5
N Brg Width = 3.5 Min Req = 1.5
K Brg Width = 187 Min Req = -
Bearings O, N, & K 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	438	- 504	D - E	1019	- 278
B - C	140	- 1225	E - F	1691	- 1029
C - D	165	- 678	F - G	2099	- 1874

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	1633	- 523	K - I	1751	- 1773
L - J	1601	- 1103	I - H	1770	- 1757

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	201	- 813	J - K	1212	- 2311
B - M	1339	- 391	J - F	111	- 454
C - L	92	- 602	J - I	1842	- 2114
L - D	389	0	F - I	185	- 493
D - J	174	- 1190	I - G	1896	- 2182
E - J	124	- 777	G - H	1450	- 1384

Lumber

Top chord 2x6 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.

Plating Notes

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

All plates are 3X4 except as noted.

Loading

Truss transfers a maximum horizontal load of 3500 # (85.95 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: 3500 85.95 TC 0.00 40.79
3500 225.76 BC 25.29 40.79

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

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

Additional Notes

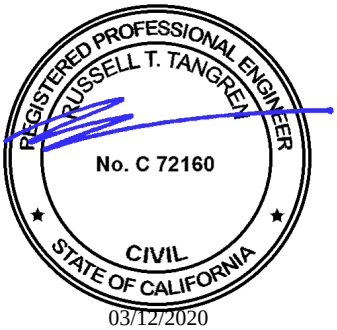
Shim all supports to solid bearing.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



03/12/2020

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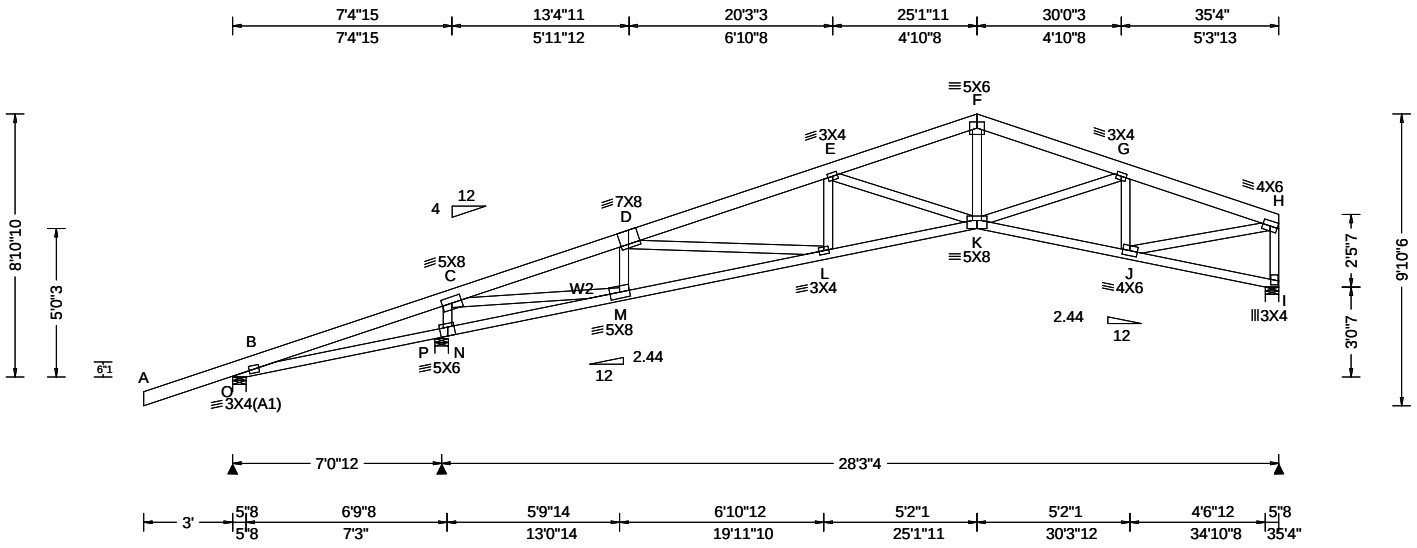
SEQN: 312572 COMN FROM:	Ply: 1 Qty: 4	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T8	Cust: R 880 JRef:1WTH8800008 T8 DrwNo: 072.20.0724.53447 / RTT 03/12/2020



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 7-16
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: 3.53 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.140	L	999	360
VERT(CL): 0.283	L	999	240
HORZ(LL): 0.069	I	-	-
HORZ(TL): 0.139	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.504
Max BC CSI: 0.607
Max Web CSI: 0.680

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
O	447	/-	/-	/203	/28	/160
P	1618	/-	/-	/982	/-	/-
I	1097	/-	/-	/571	/-	/-

Wind reactions based on MWFRS
O Brg Width = 5.5 Min Req = 1.5
P Brg Width = 5.5 Min Req = 1.7
I Brg Width = 5.5 Min Req = 1.5
Bearings O, P, & 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	780	- 240	E - F	277	- 2193
C - D	210	- 2457	F - G	270	- 2190
D - E	300	- 2850	G - H	201	- 1776

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	126	- 716	L - K	2705	- 262
N - M	116	- 669	K - J	1726	- 177
M - L	2372	- 261			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - C	239	- 1471	F - K	1070	- 66
C - M	2902	- 335	G - J	142	- 591
M - D	152	- 488	J - H	1673	- 162
E - K	109	- 722	H - I	132	- 1054
K - G	447	- 11			

Lumber

Top chord 2x6 DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)
W2 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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

03/12/2020

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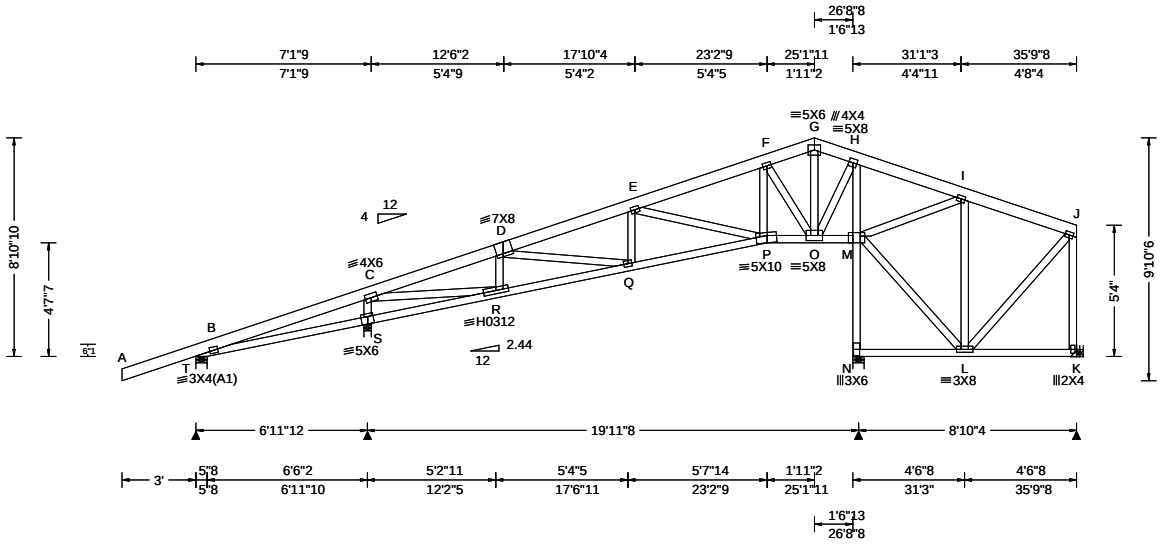
SEQN: 312658 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T9		Cust: R 880 JRef:1WTH8800008 T18 DrwNo: 072.20.0727.59853 / RTT 03/12/2020	



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 7-16
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: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.048	Q	999	360
VERT(CL): 0.098	Q	999	240
HORZ(LL): 0.013	D	-	-
HORZ(TL): 0.027	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.324
Max BC CSI: 0.385
Max Web CSI: 0.563

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	482	/-	/-	/247	/21	/162
S	1054	/-	/-	/665	/-	/-
N	1521	/-	/-	/845	/-	/-
K	223	/-68	/-	/118	/43	/-

Wind reactions based on MWFRS
T Brg Width = 5.5 Min Req = 1.5
S Brg Width = 3.5 Min Req = 1.5
N Brg Width = 5.5 Min Req = 1.6
K Brg Width = - Min Req = -
Bearings T, S, & 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	91	-1289	H - I	764	-52
D - E	111	-1169			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	1223	-145	O - M	117	-677
Q - P	1085	-104			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - C	180	-922	O - H	972	-77
C - R	1386	-175	H - M	170	-1274
E - P	126	-899	M - N	185	-1487
F - P	531	0	M - I	114	-699
F - O	103	-800			

Lumber

Top chord 2x6 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 3X4 except as noted.

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.

Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

03/12/2020

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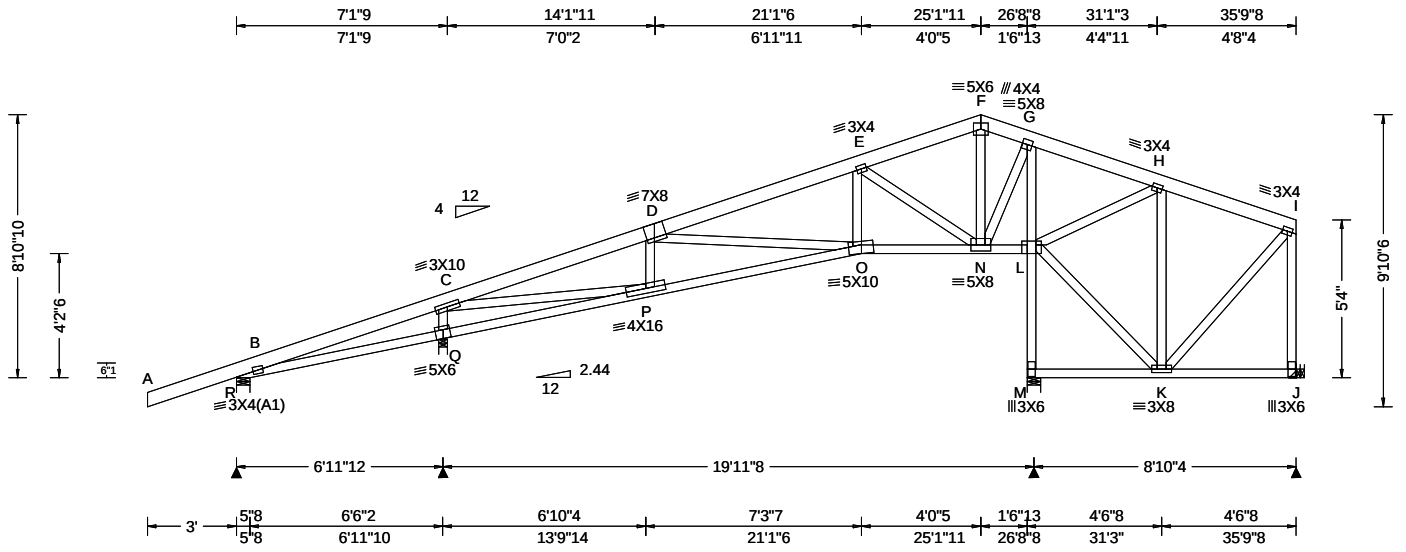
American Truss Company, Inc.
4550 Spring Hill Road
PETALUMA CA 94952
(707) 763-8713 Ext

ALPINE™ AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 312656 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T10	Cust: R 880 JRef:1WTH8800008 T10 DrwNo: 072.20.0728.11763 / RTT 03/12/2020



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 7-16
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: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.059	D	999	360
VERT(CL): 0.119	D	999	240
HORZ(LL): 0.016	D	-	-
HORZ(TL): 0.032	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.344
Max BC CSI: 0.498
Max Web CSI: 0.654

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	489	/-	/-	/254	/19	/162
Q	1019	/-	/-	/643	/-	/-
M	1589	/-	/-	/887	/-	/-
J	201	/-113	/-	/99	/57	/-

Wind reactions based on MWFRS
R Brg Width = 5.5 Min Req = 1.5
Q Brg Width = 3.5 Min Req = 1.5
M Brg Width = 5.5 Min Req = 1.7
J Brg Width = - Min Req = -
Bearings R, Q, & M 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	101	-1398	G - H	800	-51
D - E	74	-623			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	1302	-148	N - L	113	-712
O - N	541	-24			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - C	187	-879	N - G	1018	-79
C - P	1367	-162	G - L	171	-1325
D - O	112	-760	L - M	193	-1555
E - O	488	0	L - H	112	-726
E - N	129	-1006			

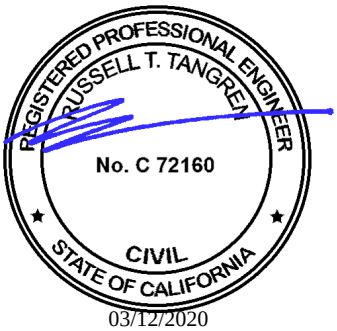
Lumber
Top chord 2x6 DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)
Lumber shall be dried to a maximum moisture content of 19% prior to installation.

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.
Wind loading based on both gable and hip roof types.

Additional Notes
Shim all supports to solid bearing.



03/12/2020

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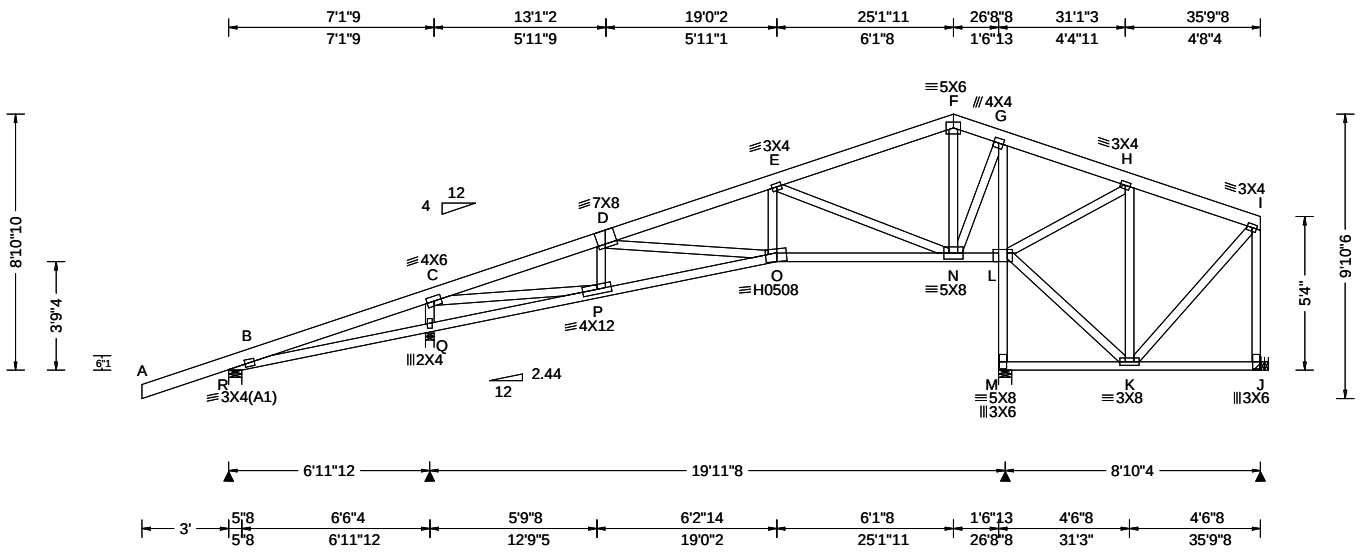
Sacramento, CA 95826

SEQN: 312654 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T11		Cust: R 880 JRef:1WTH8800008 T17 DrwNo: 072.20.0728.13530 / RTT 03/12/2020	



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 7-16
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: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.051	D	999	360
VERT(CL): 0.103	D	999	240
HORZ(LL): 0.017	N	-	-
HORZ(TL): 0.034	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.333
Max BC CSI: 0.388
Max Web CSI: 0.920

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	483	/-	/-	/247	/21	/162
Q	1027	/-	/-	/648	/-	/-
M	1603	/-	/-	/895	/-	/-
J	194	/-125	/-	/94	/60	/-

Wind reactions based on MWFRS
R Brg Width = 5.5 Min Req = 1.5
Q Brg Width = 3.5 Min Req = 1.5
M Brg Width = 5.5 Min Req = 1.7
J Brg Width = - Min Req = -
Bearings R, Q, & M 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	87	-1274	G - H	750	-44
D - E	96	-914			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	1196	-138	N - L	106	-666
O - N	831	-66			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - C	180	-892	N - G	1080	-85
C - P	1344	-164	G - L	156	-1334
E - O	460	0	L - M	197	-1569
E - N	154	-1169	L - H	107	-690
F - N	75	-391	H - K	375	0

Lumber

Top chord 2x6 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.

Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

03/12/2020

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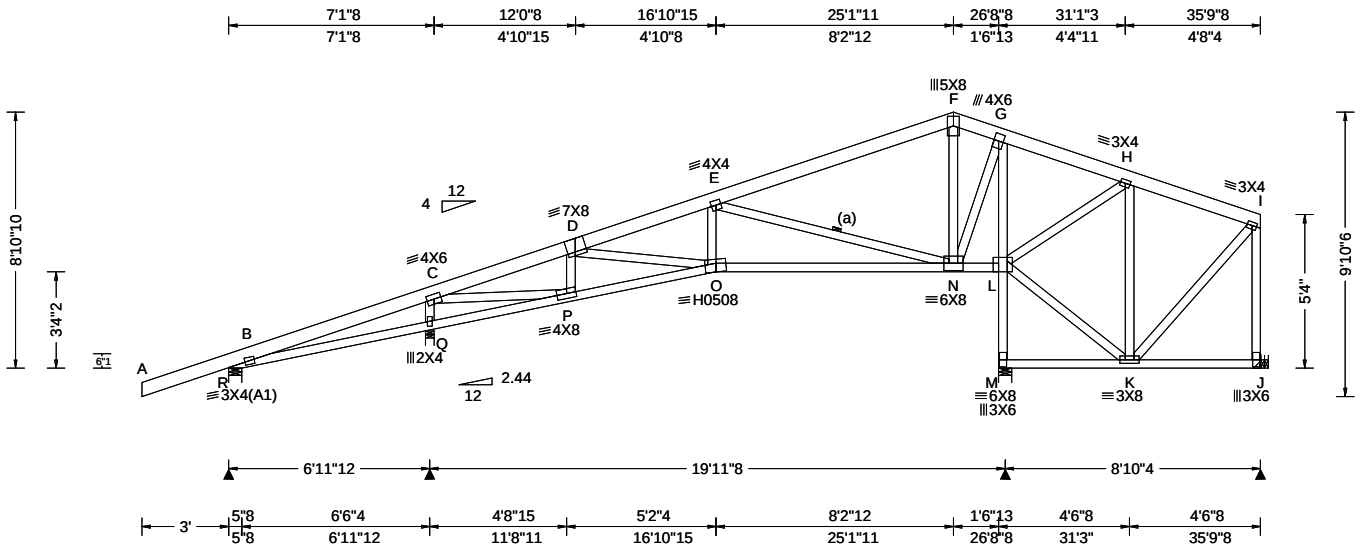
SEQN: 312652 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T12	Cust: R 880 JRef:1WTH8800008 T19 DrwNo: 072.20.0728.14970 / RTT 03/12/2020



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 7-16
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: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.061	O	999	360
VERT(CL): 0.123	O	999	240
HORZ(LL): 0.019	N	-	-
HORZ(TL): 0.039	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.351
Max BC CSI: 0.566
Max Web CSI: 0.533

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	470	/-	/-	/232	/24	/162
Q	1065	/-	/-	/672	/-	/-
M	1577	/-	/-	/878	/-	/-
J	201	/-113	/-	/99	/55	/-

Wind reactions based on MWFRS
R Brg Width = 5.5 Min Req = 1.5
Q Brg Width = 3.5 Min Req = 1.5
M Brg Width = 5.5 Min Req = 1.7
J Brg Width = - Min Req = -
Bearings R, Q, & M 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	448	- 200	D - E	117	- 1183
C - D	63	- 1076	G - H	668	- 35

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Q	93	- 399	O - N	1104	- 107
P - O	1021	- 117	N - L	97	- 597

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - C	178	- 931	N - G	1176	- 98
C - P	1312	- 164	G - L	138	- 1352
E - O	423	0	L - M	197	- 1542
E - N	181	- 1324	L - H	102	- 632
F - N	129	- 506			

Lumber

Top chord 2x6 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.

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

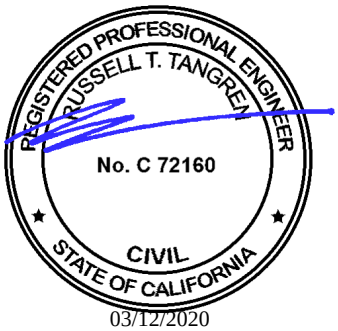
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.



03/12/2020

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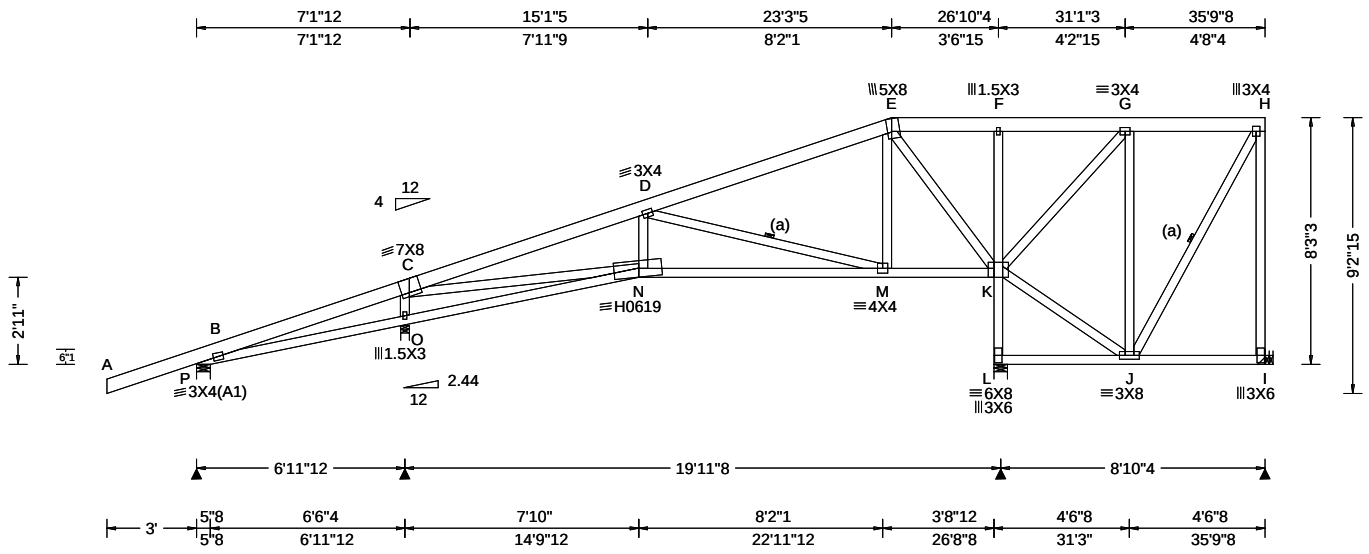
8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 312650 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T13	Cust: R 880 JRef:1WTH8800008 T13 DrwNo: 072.20.0728.16570 / RTT 03/12/2020	



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 7-16
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: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.060	D	999	360
VERT(CL): 0.122	D	999	240
HORZ(LL): 0.018	M	-	-
HORZ(TL): 0.036	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.354
Max BC CSI: 0.517
Max Web CSI: 0.706

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	490	/-	/-	/265	/3	/151
O	969	/-	/-	/609	/-	/-
L	1746	/-	/-	/999	/-	/-
I	141	/-209	/-	/36	/65	/-

Wind reactions based on MWFRS
P Brg Width = 5.5 Min Req = 1.5
O Brg Width = 3.5 Min Req = 1.5
L Brg Width = 5.5 Min Req = 1.9
I Brg Width = - Min Req = -
Bearings P, O, & L 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	54	-1270	F - G	756	-106
E - F	757	-106			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
N - M	1107	-178

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - C	198	-815	E - K	171	-1109
C - N	1183	-164	K - L	338	-1711
D - M	190	-1194	K - G	152	-951
M - E	521	0	G - J	512	0

Lumber

Top chord 2x6 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.

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -209# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Shim all supports to solid bearing.

03/12/2020

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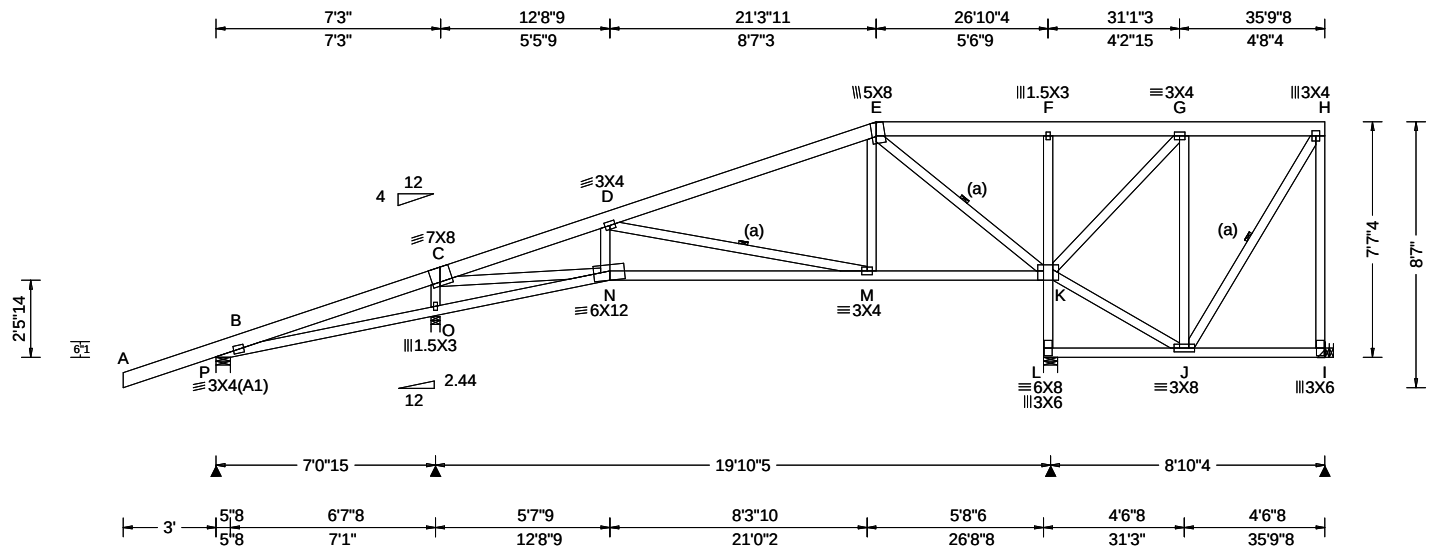
ALPINE AN ITW COMPANY

8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 312648 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T14		Cust: R 880 JRef:1WTH8800008 T15 DrwNo: 072.20.0728.19413 / RTT 03/12/2020	



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 7-16
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: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.054	N	999	360
VERT(CL): 0.110	N	999	240
HORZ(LL): 0.016	D	-	-
HORZ(TL): 0.032	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.370
Max BC CSI: 0.617
Max Web CSI: 0.586

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	485	/-	/-	/260	/7	/139
O	1031	/-	/-	/643	/-	/-
L	1607	/-	/-	/892	/-	/-
I	186	/-119	/-	/53	/19	/-

Wind reactions based on MWFRS
P Brg Width = 5.5 Min Req = 1.5
O Brg Width = 3.5 Min Req = 1.5
L Brg Width = 5.5 Min Req = 1.7
I Brg Width = - Min Req = -
Bearings P, O, & L 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	86	-1320	E - F	612	-97
D - E	17	-431	F - G	611	-97

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
N - M	1200	-194

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - C	187	-897	E - K	194	-1154
C - N	1441	-224	K - L	342	-1572
D - M	149	-911	K - G	138	-780
M - E	463	0	G - J	382	0

Lumber
Top chord 2x6 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.

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.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
Shim all supports to solid bearing.

03/12/2020

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(707) 763-8713 Ext

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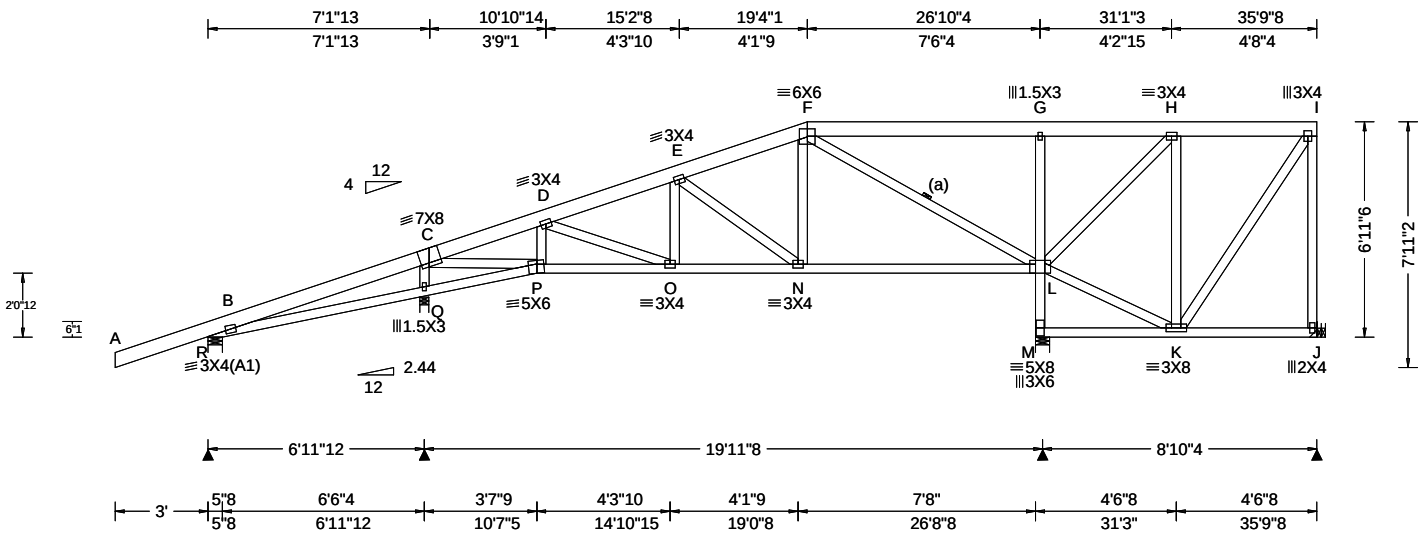
8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 312662 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T15	Cust: R 880 JRef:1WTH8800008 T7 DrwNo: 072.20.0728.21190 / RTT 03/12/2020	



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 7-16
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: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.032	O	999	360
VERT(CL): 0.065	O	999	240
HORZ(LL): 0.011	L	-	-
HORZ(TL): 0.023	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.308
Max BC CSI: 0.529
Max Web CSI: 0.500

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	484	/-	/-	/264	/10	/183
Q	1075	/-	/-	/662	/29	/-
M	1444	/-	/-	/775	/47	/-
J	244	/-5	/-	/97	/7	/-

Wind reactions based on MWFRS
R Brg Width = 5.5 Min Req = 1.5
Q Brg Width = 3.5 Min Req = 1.5
M Brg Width = 5.5 Min Req = 1.5
J Brg Width = - Min Req = -
Bearings R, Q, & M 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	77	-1078	E - F	97	-697
D - E	111	-1023			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	992	-190	N - L	607	-121
O - N	931	-177			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - C	202	-950	F - L	219	-1091
C - P	1231	-204	G - L	214	-417
E - N	76	-395	L - M	350	-1409
N - F	458	0	L - H	100	-510

Lumber
Top chord 2x6 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.

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes
Shim all supports to solid bearing.

03/12/2020

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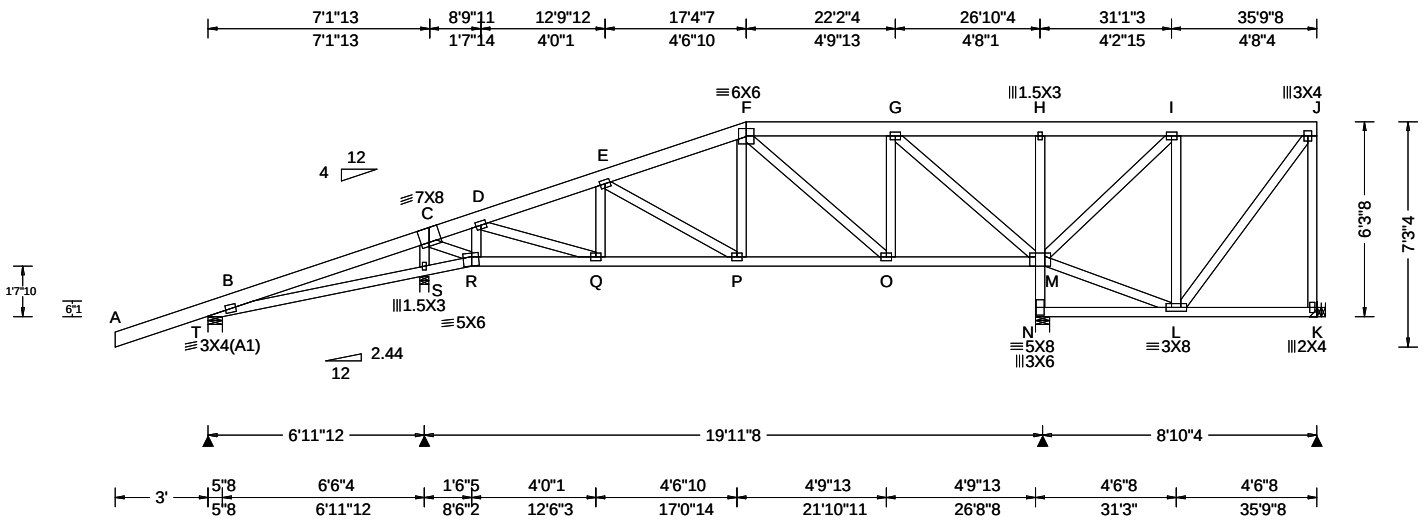
Sacramento, CA 95826

SEQN: 312666 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T16	Cust: R 880 JRef:1WTH8800008 T11 DrwNo: 072.20.0728.23760 / RTT 03/12/2020	



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 7-16
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: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.022	P	999	360
VERT(CL): 0.044	P	999	240
HORZ(LL): 0.008	M	-	-
HORZ(TL): 0.016	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.300
Max BC CSI: 0.289
Max Web CSI: 0.682

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	488	/-	/-	/274	/12	/167
S	1076	/-	/-	/654	/29	/-
N	1394	/-	/-	/730	/42	/-
K	262	/-	/-	/109	/4	/-

Wind reactions based on MWFRS
T Brg Width = 5.5 Min Req = 1.5
S Brg Width = 3.5 Min Req = 1.5
N Brg Width = 5.5 Min Req = 1.5
K Brg Width = - Min Req = -
Bearings T, S, & 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	7	-508	E - F	137	-829
D - E	117	-1029	F - G	84	-454

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	514	-119	P - O	729	-154
Q - P	948	-191	O - M	431	-86

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - C	210	-943	O - G	398	0
C - R	756	-158	G - M	225	-991
R - D	104	-423	M - N	355	-1359
D - Q	483	-70	M - I	125	-513
F - O	96	-397			

Lumber

Top chord 2x6 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 3X4 except as noted.

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

03/12/2020

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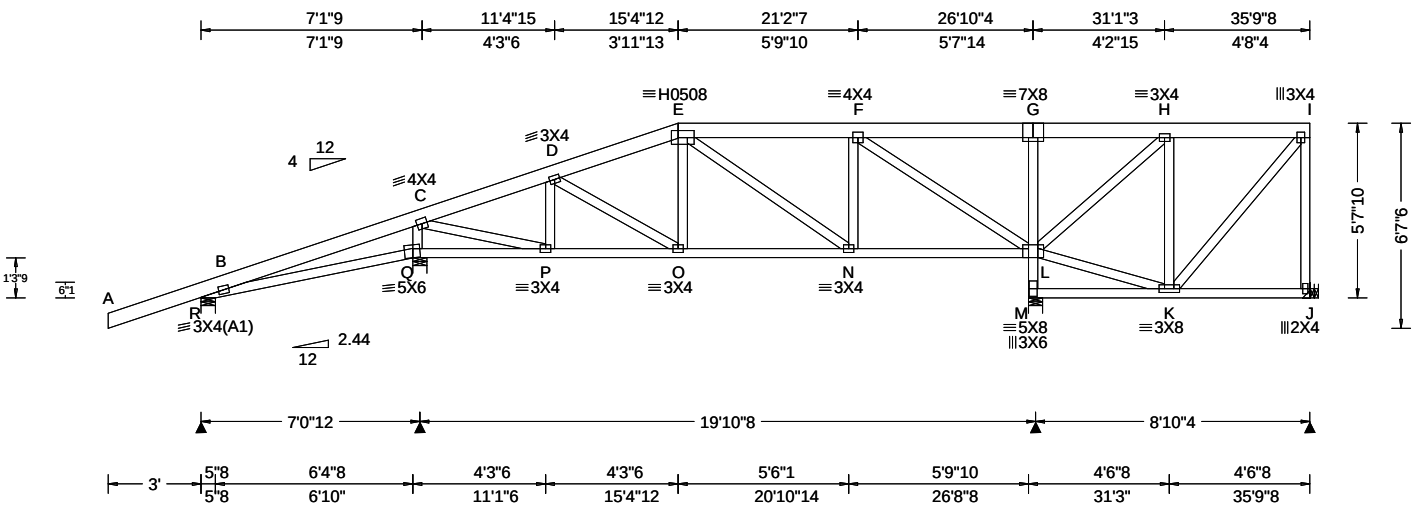
Sacramento, CA 95826

SEQN: 312677 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T17	Cust: R 880 JRef:1WTH8800008 T1 DrwNo: 072.20.0728.26327 / RTT 03/12/2020	



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 7-16
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: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.024	O	999	360
VERT(CL): 0.048	O	999	240
HORZ(LL): 0.007	L	-	-
HORZ(TL): 0.015	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.288
Max BC CSI: 0.386
Max Web CSI: 0.944

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	498	/-	/-	/289	/12	/150
Q	1035	/-	/-	/620	/28	/-
M	1411	/-	/-	/727	/38	/-
J	263	/-	/-	/106	/5	/-

Wind reactions based on MWFRS
R Brg Width = 5.5 Min Req = 1.5
Q Brg Width = 5.5 Min Req = 1.5
M Brg Width = 5.5 Min Req = 1.5
J Brg Width = - Min Req = -
Bearings R, Q, & M 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	135	- 965	E - F	156	- 628
D - E	189	- 919			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	877	- 201	N - L	609	- 161
O - N	841	- 201			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - C	235	- 951	L - M	350	- 1376
C - P	846	- 169	L - H	122	- 525
F - L	261	- 1140			

Lumber

Top chord 2x6 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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

03/12/2020

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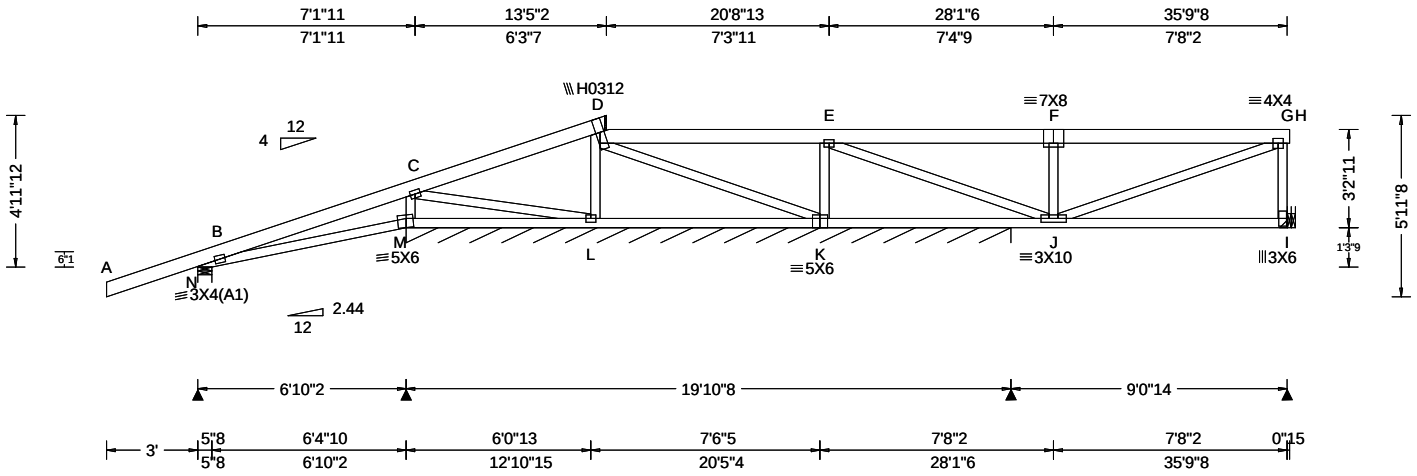
8801 Folsom Blvd., Suite 107
Sacramento, CA 95826

SEQN: 2492 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T18		Cust: R 880 JRef:1WTH8800008 T6 DrwNo: 072.20.0736.26803 / RTT 03/12/2020	



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 7-16
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: 3.58 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.023	F	999	360
VERT(CL): 0.046	F	999	240
HORZ(LL): -0.003	G	-	-
HORZ(TL): 0.008	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.360
Max BC CSI: 0.385
Max Web CSI: 0.339

VIEW Ver: 19.02.02.0109.12

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	495	/-	/-	/301	/12	/131
M*	105	/-	/-	/58	/2	/-
I	523	/-	/-	/258	/12	/-

Wind reactions based on MWFRS
N Brg Width = 5.5 Min Req = 1.5
M Brg Width = 238 Min Req = -
I Brg Width = - Min Req = -
Bearings N & M 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.
E - F	175	-679	F - G	175	-679

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - C	147	-409	J - G	707	-186
K - E	332	-797	F - J	260	-495
E - J	834	-206	G - I	171	-449

Lumber

Top chord 2x6 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 3X4 except as noted.

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

03/12/2020

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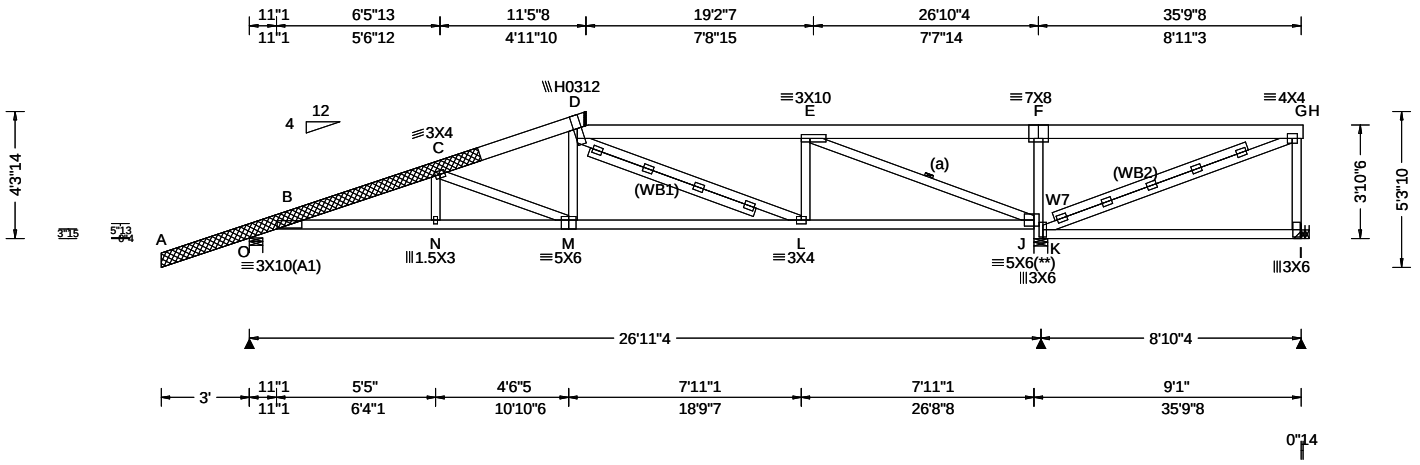
Sacramento, CA 95826

SEQN: 312689 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** T19		Cust: R 880 JRef:1WTH8800008 T16 DrwNo: 072.20.0721.25900 / RTT 03/12/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 110 mph	Pf: NA Ce: NA	VERT(LL): 0.125 M 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.253 M 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.047 J - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.095 J - -
NCBCLL: 10.00	Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0
Soffit: 2.00	TCDL: 6.0 psf	Bldg Code: IBC 2018 Res	Max TC CSI: 0.599
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.751
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.775
	C&C Dist a: 3.58 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 18.02.01B.0321.09
	Wind Duration: 1.25		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1197	/-	/-	/696	/29	/114
K	1850	/-	/-	/950	/49	/-
I	208	/-104	/-	/44	/8	/-

Wind reactions based on MWFRS
O Brg Width = 5.5 Min Req = 1.5
K Brg Width = 5.5 Min Req = 5.5
I Brg Width = - Min Req = -
Bearings O & K 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	258	-2443	E - F	734	-124
C - D	266	-1870	F - G	668	-118
D - E	271	-1455			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	2331	-314	M - L	1709	-272
N - M	2328	-315	L - J	1419	-277

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	113	-658	E - J	429	-2307
M - D	446	0	F - J	298	-603
D - L	182	-415	J - K	420	-1509
L - E	435	0	K - G	122	-726

Lumber

Top chord 2x6 DF-L #2(g)
Bot chord 1.5"x3.5625" DF-L #2(g)
Webs 1.5"x3.5625" DF-L Standard(g)
W7 1.5"x3.5625" DF-L #2(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), WB2 = 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.

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

Tray Scab(s)

(2) 2x6 x 11-6-0 x DF-L #2(g) scabs at left end. Attach one scab to each outer face of chord with: 0.128"x3", min. nails @ 8" oc, Plus additional nail clusters at: BRG.: (3), heel: (4), 1st panel point: (0).

Purlins

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

Loading

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

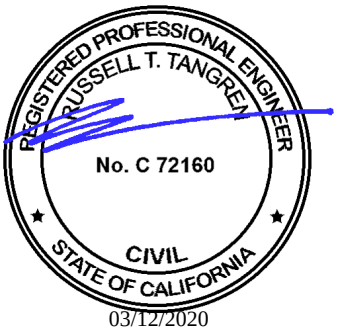
Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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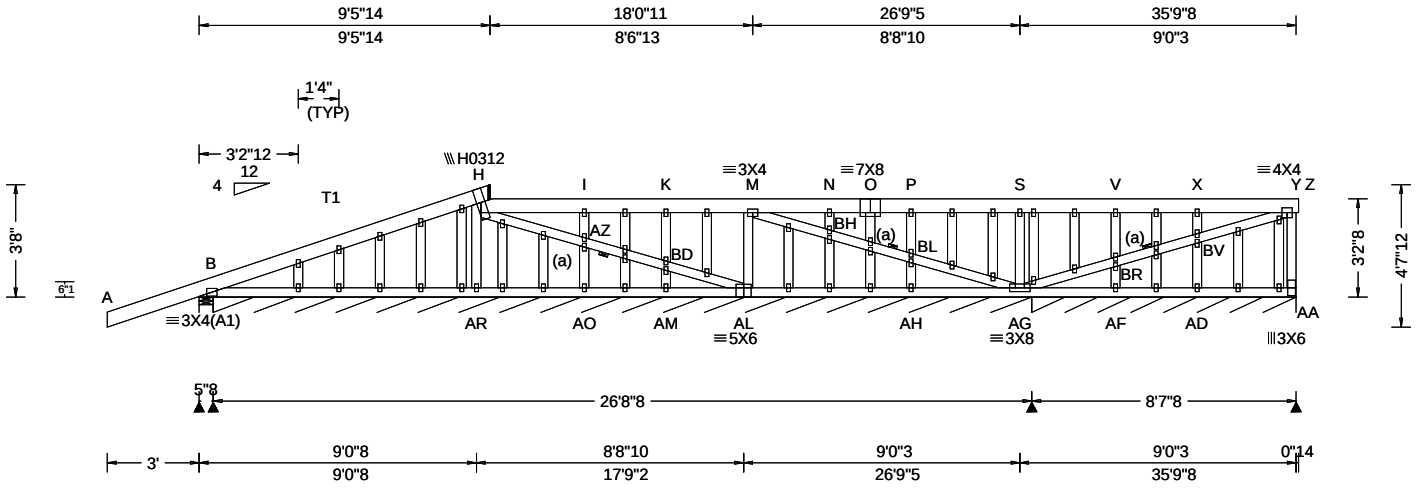
Sacramento, CA 95826

SEQN: 312719 GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 9898 /DODGE RESIDENCE /MEAD CLARK **Truss Label:** G20	Cust: R 880 JRef:1WTH8800008 T14 DrwNo: 072.20.0721.56867 / RTT 03/12/2020	



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 7-16
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: 3.58 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.25

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: IBC 2018 Res
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.007	Q	999	360
VERT(CL): 0.013	Q	999	240
HORZ(LL): -0.003	AW	-	-
HORZ(TL): 0.005	AW	-	-

Creep Factor: 2.0
Max TC CSI: 0.585
Max BC CSI: 0.126
Max Web CSI: 0.240

VIEW Ver: 18.02.01B.0321.09

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1255	/-	/-	/811	/271	/303
B*	204	/-	/-	/86	/29	/-
AA*	186	/-	/-	/72	/25	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
B Brg Width = 320 Min Req = -
AA Brg Width = 103 Min Req = -
Bearings B, B, & BP are a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AR- H	127	-380	S -AG	306	-637
AL- M	255	-534			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
AZ- I	293	-610	AH-BL	272	-575
AO-AZ	281	-585	BR-AF	232	-473
BD- K	185	-378	V -BR	201	-410
AM-BD	215	-440	BV-AD	272	-558
BH- N	186	-393	X -BV	283	-579
BL- P	231	-488			

Lumber

Top chord 2x6 DF-L #2(g) T1 2x6 DF-L SS(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.

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 3-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, 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.

Purlins

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

Wind

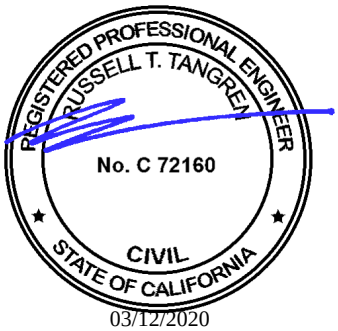
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A11515ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.



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Gable Stud Reinforcement Detail
ASCE 7-16: 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"

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir

#1 / #2	Standard
#3	Stud

Hem-Fir

#2	Stud
#3	Standard

Douglas Fir-Larch

#3
Stud
Standard

Southern Pine***

#3
Stud
Standard

Group B:

Hem-Fir

#1 & Btr
#1

Douglas Fir-Larch

#1
#2

Southern Pine***

#1
#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.

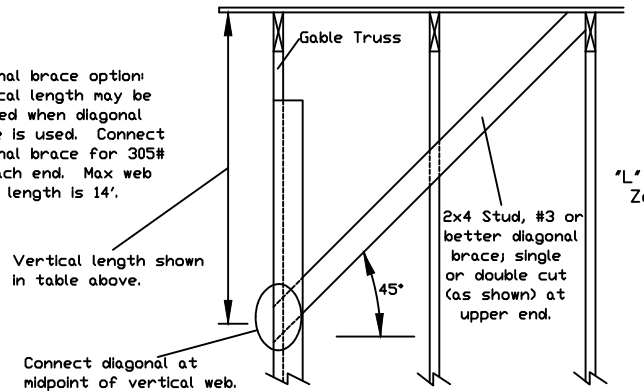
Attach 'L' braces with 10d (0.128"x3.0" min) nails.

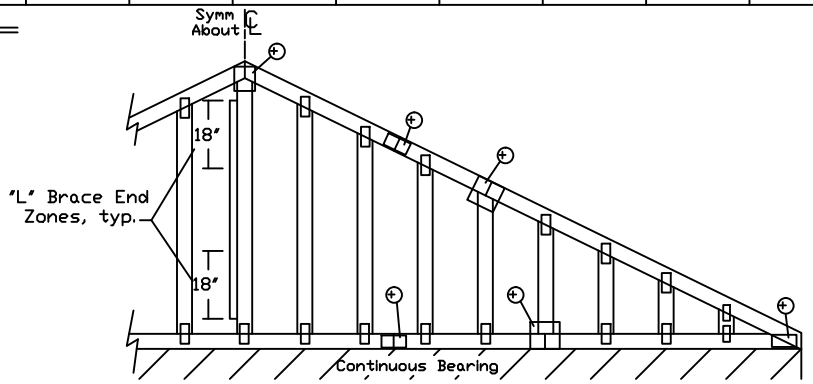
* For (1) 'L' brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

** 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.

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.

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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Suite 200
Maryland Heights, MO 63043

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-16-GAB11515
DATE 01/26/2018
DRWG A11515ENC160118

ASCE 7-16: 120 mph, 30' Mean Height, Closed, Exposure C
Common Residential Gable End Wind Bracing Requirements - Stiffeners

120 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp C, or
100 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp D, or
100 mph, 30ft. Mean Hgt, ASCE 7-16, 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.

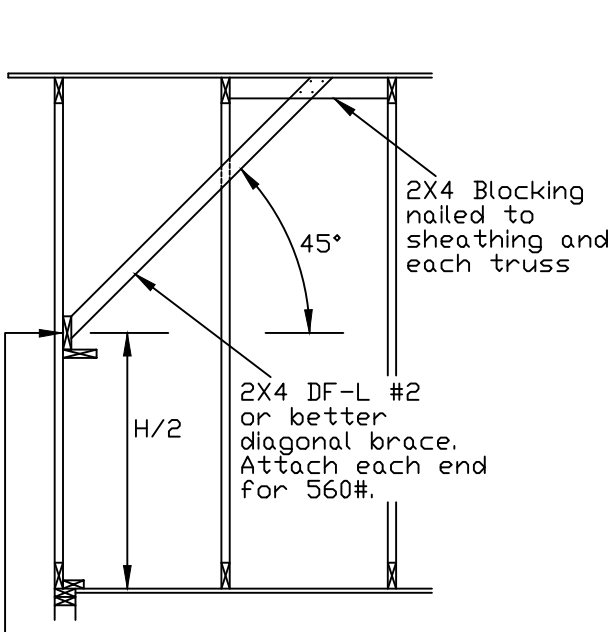
Nails: 10d box or gun (0.128"x3",min) nails.

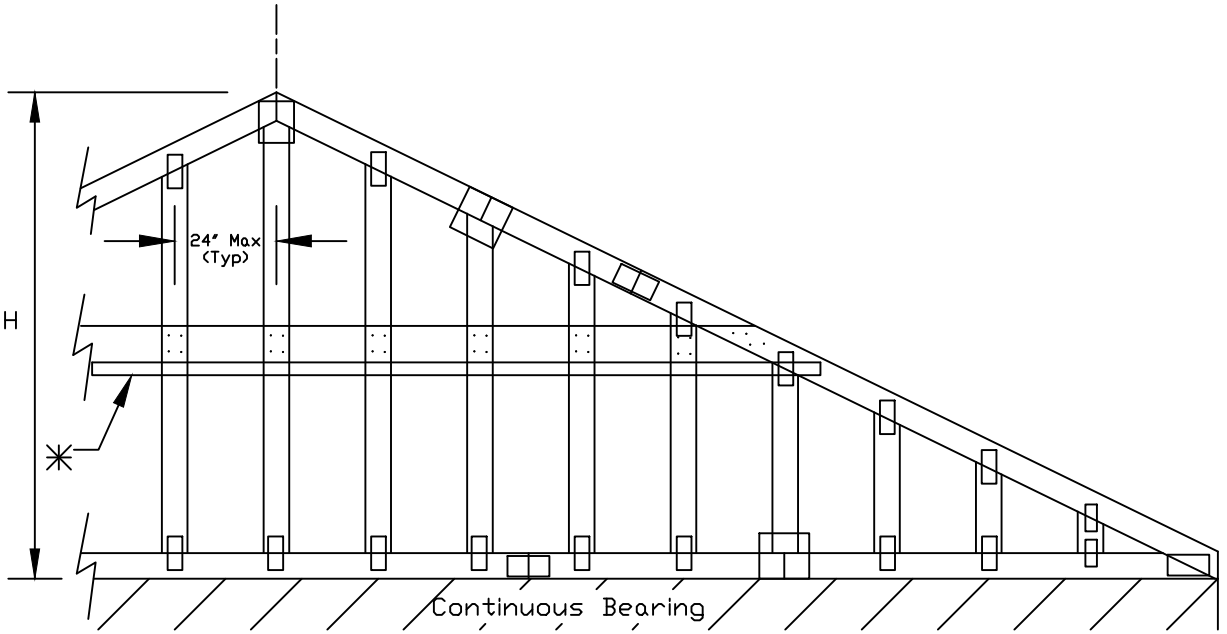
H Less than 4'6" - no stud bracing required

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 A12030ENC160118).

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 A12030ENC160118).

✳ Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0.128" x 3", min.) nails @ 6" o.c.





****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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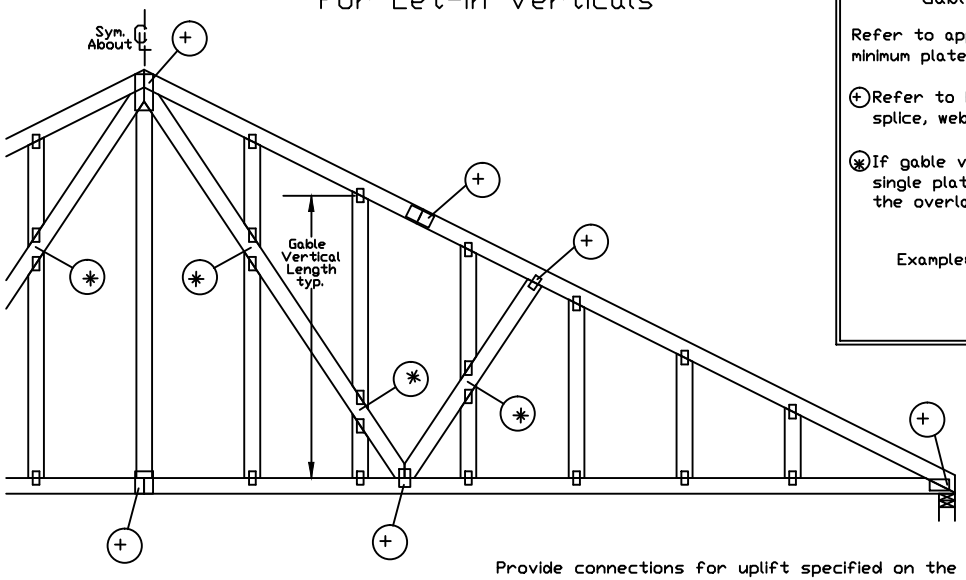
MAX. TOT. LD. 60 PSF

MAX. SPACING

REF	GE WHALER
DATE	01/02/2018
DRWG	GABRST160118

Gable Detail
For Let-in Verticals



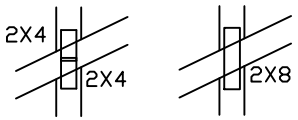
Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

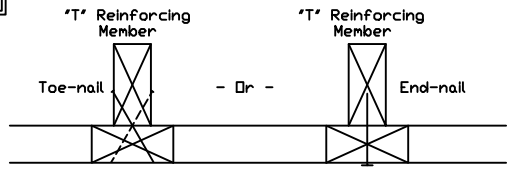
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊛ 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.

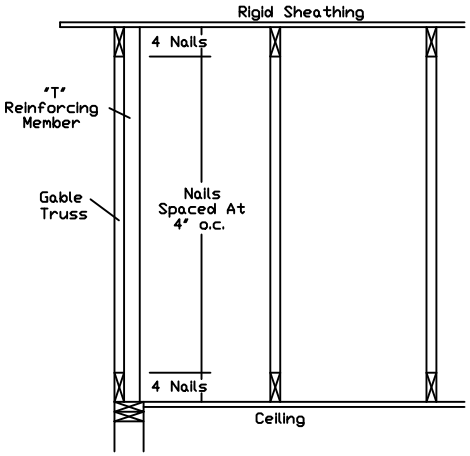
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.

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"

ALPINE™ AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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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

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.

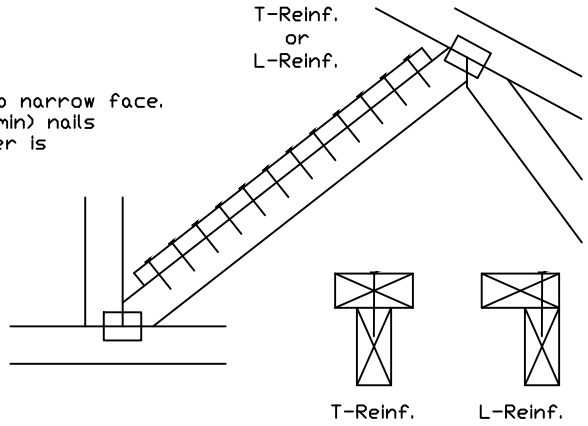
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

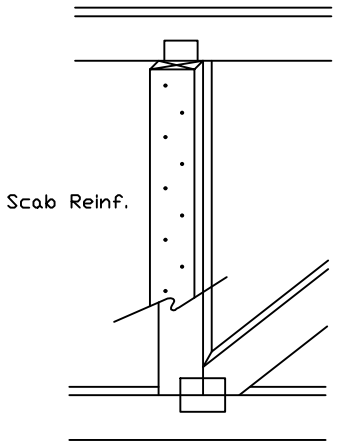
T-Reinforcement or L-Reinforcement:

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
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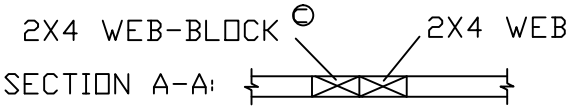
TC LL		PSF
TC DL		PSF
BC DL		PSF
BC LL		PSF
TOT. LD.		PSF
DUR. FAC.		
SPACING		

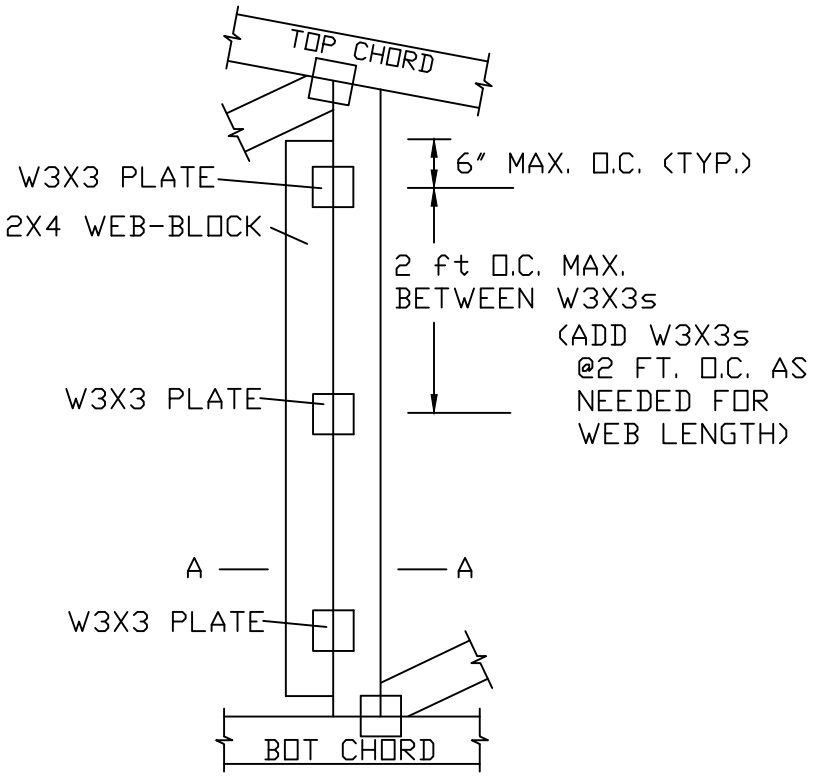
REF	CLR Subst.
DATE	01/02/19
DRWG	BRCLBSUB0119

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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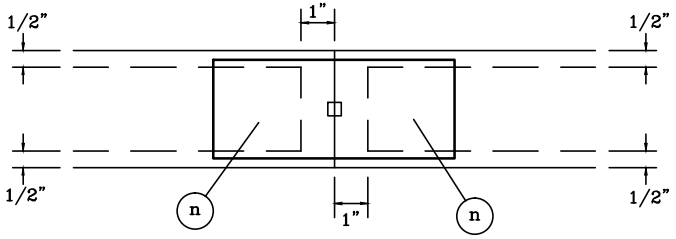
REF	2x4 Web Block
DATE	10/01/14
DRWG	BRWEBLOK1014

TRULOX INFORMATION DETAIL

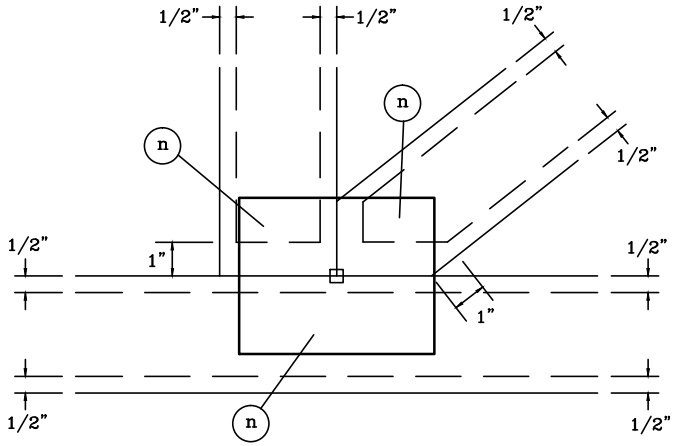
TYPICAL OFF PANEL SPLICE



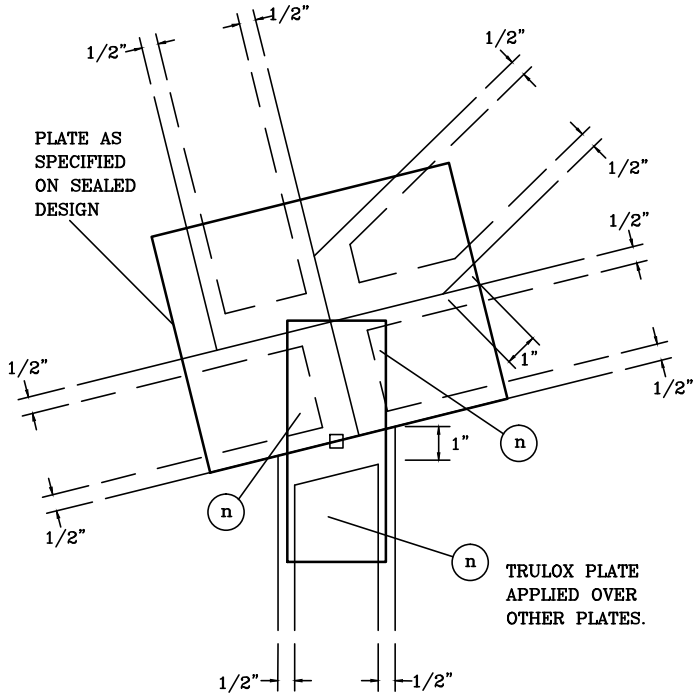
DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.

NAILS MUST NOT SPLIT LUMBER.

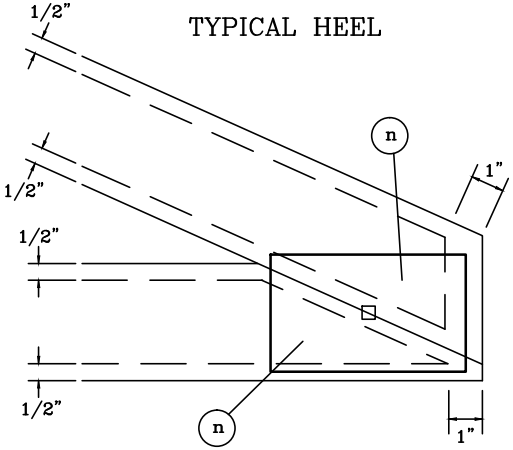
TYPICAL PANEL POINT WITHOUT SPLICE



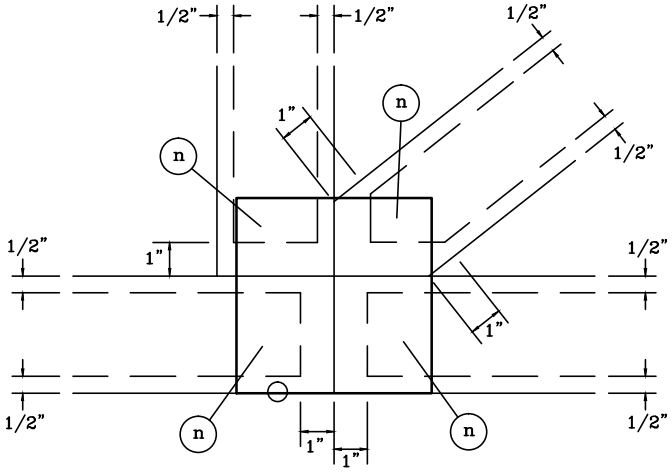
TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE



NOTES:
(n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY AS SPECIFIED ON THE SEALED DESIGN REFERENCING THIS DETAIL.
○ LOCATES PLATE CORNER OR FLUSH EDGE.
□ LOCATES PLATE CENTER.

REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA
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TRULOX PLATING

160 TL

PAGE 1 OF 1

DATE 10/01/14

02/12/2020