	HEADER PROPERTIES					
HEADER SIZE	Max (k-in)	May (k-in)	lx (in <sup>4</sup> )	ly (in <sup>4</sup> )	Vax (lbs.)	Vay (lbs.)
600T150-43	0.560	9.36	0.0408	1.8897	789	789
600T150-54	1.098	18.24	0.0530	2.4004	1602	1602
600T150-68	1.862	26.68	0.0965	3.1616	1602	1602
600T150-97	3.801	43.23	0.1559	4.7782	1602	1602

HEADER SIZE	HEADER PROPERTIES						
	Max (k-in)	May (k-in)	lx (in <sup>4</sup> )	ly (in <sup>4</sup> )	Vax (lbs.)	Vay (lbs.)	
600S162-43 + 600T150-43	3.84	26.04	0.4105	4.21	1052	236	
600S162-54 + 600T150-54	7.43	48.57	0.5215	5.26	2136	433	
600S162-68 + 600T150-68	10.99	66.15	0.7401	6.69	2136	614	
600S162-97 + 600T150-97	19.66	99.96	1.2501	9.58	2136	1038	

	HEADER SIZE	HEADER PROPERTIES					
		Max (k-in)	May (k-in)	lx (in <sup>4</sup> )	ly (in <sup>4</sup> )	Vax (lbs.)	Vay (lbs.)
	(2) 600S162-43 + 600T150-43	11.74	42.72	1.6872	6.52	1578	440
	(2) 600S162-54 + 600T150-54	22.71	78.90	2.1361	8.12	3204	803
	(2) 600S162-68 + 600T150-68	32.90	105.62	2.952	10.21	3204	1110
	(2) 600S162-97 + 600T150-97	57.66	156.69	4.779	14.37	3204	1798

6001130-97							
	HEADER PROPERTIES						
HEADER SIZE	Max (k-in)	May (k-in)	lx (in <sup>4</sup> )	ly (in <sup>4</sup> )	Vax (lbs.)	Vay (lbs.)	
(2) 600S162-43 + (3) 600T150-43	52.49	28.08	11.768	5.67	1578	574	
(2) 600S162-54 + (3) 600T150-54	100.69	54.72	14.861	7.20	3204	1318	
(2) 600S162-68 + (3) 600T150-68	139.36	80.04	19.879	9.49	3204	2000	
(2) 600S162-97 + (3) 600T150-97	226.90	129.69	30.731	14.33	3204	3204	
(2) 800S162-43 + (3) 600T150-43	76.81	28.08	21.63	5.67	1578	548	
(2) 800S162-54 + (3) 600T150-54	147.84	54.72	27.316	7.20	3204	1264	
(2) 800S162-68 + (3) 600T150-68	208.92	80.04	36.767	9.49	3204	1928	
(2) 800S162-97 + (3) 600T150-97	339.50	129.69	56.565	14.33	3204	3204	
(2) 1000S162-54 + (3) 600T150-54	195.46	54.72	43.732	7.20	3204	1218	
(2) 1000S162-68 + (3) 600T150-68	278.69	80.04	59.133	9.49	3204	1866	
(2) 1000S162-97 +	462 32	129 69	91 642	14 33	3204	3204	

91.642

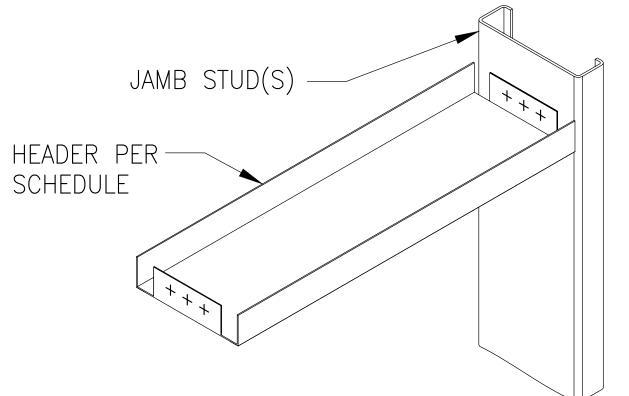
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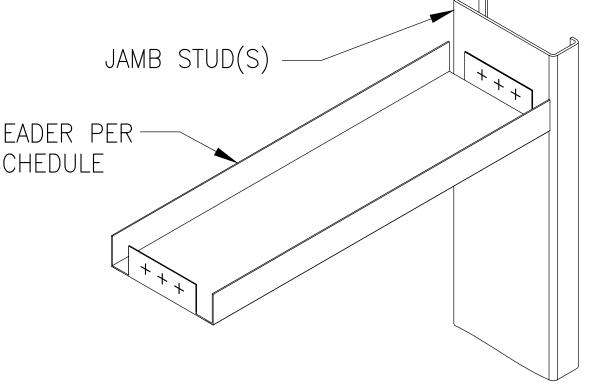
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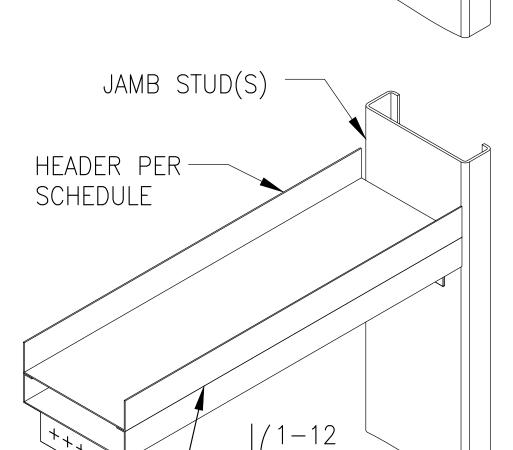
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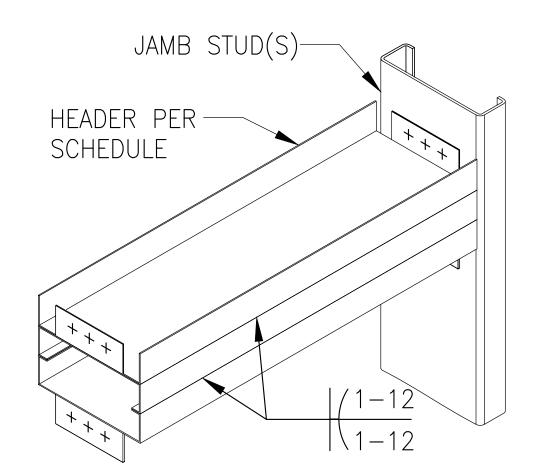
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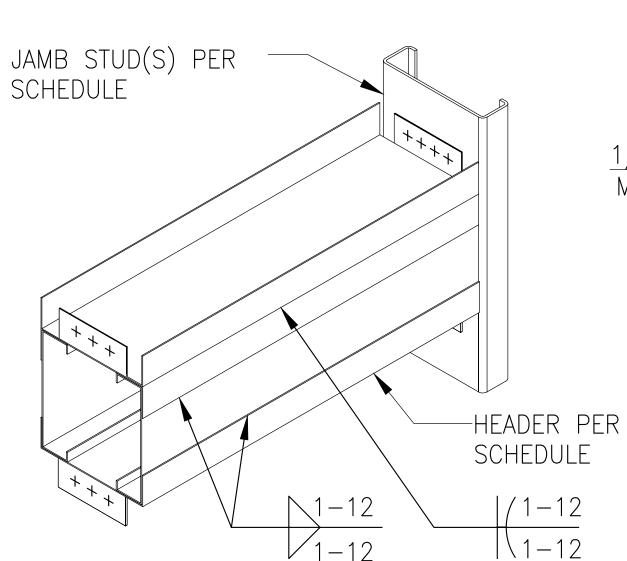
129.69











ALL HEADERS SHOWN ON THIS SHEET ARE MANUFACTURED BY OLMAR SUPPLY, INC.

3204

THIS SHEET IS FOR THE PROPERTIES LISTED ONLY. THIS

THIS SHEET AND ARE THE RESPONSIBILITY OF THE E.O.R.

IT IS THE RESPONSIBILITY OF THE E.O.R. TO CHECK THE

GOVERNED BY COMPOSITE ACTION OR WEB CRIPPLING. IN

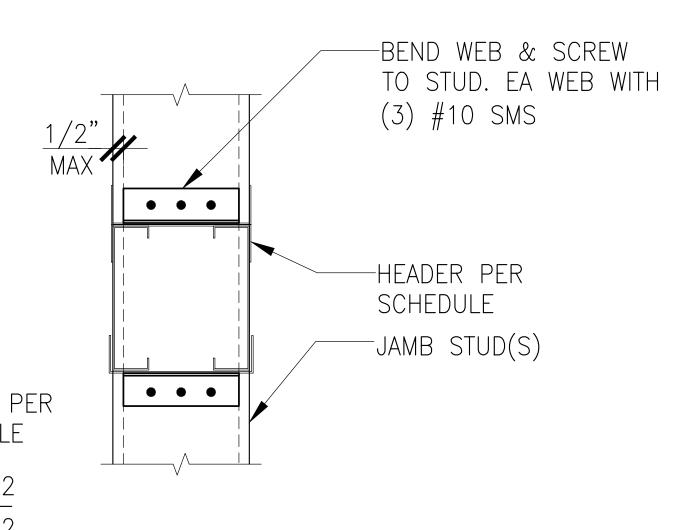
IS INTENDED AS A DESIGN AID ONLY FOR THE E.O.R.

JAMB STUD PROPERTIES ARE OUTSIDE THE SCOPE OF

ALL PROPERTIES CONFORM TO AISI S100-07/S2-10.

INTERACTION OF THE MOMENT IN BOTH AXES AS WELL

AS THE SHEAR. IF Vay IS LOWER THAN Vax, IT IS



A. 18GA

B. 16GA AND HEAVIER

ORDER TO EVALUATE THE INTERACTION FOR SHEAR, USE 8. ALL PROPERTIES LISTED ARE AT ALLOWABLE STRESS THE SAME VALUES FOR Vay AS Vax SINCE THE INTERACTION IS BASED ON THE SCREWED CONNECTION. 9. STUDS AND TRACKS USED FOR HEADERS CONFORM TO 6. THE ALLOWABLE SHEAR IS DETERMINED BY ONE OF THE FOLLOWING:

THE MAXIMUM ALLOWABLE SHEAR FLOW, THE MAXIMUM ALLOWABLE SHEAR PER SCREW TIMES THE NUMBER OF SCREWS PER CONNECTION, OR WEB CRIPPLING OF THE STUDS. 43 MIL MIN JAMB STUDS ARE ASSUMED FOR 43 MIL HEADERS. 54 MIL JAMB STUDS ARE ASSUMED FOR 54 MIL AND HEAVIER HEADERS.

7. THE X-AXIS IS DEFINED BY THE HORIZONTAL AXIS. THE Y-AXIS IS DEFINED BY THE VERTICAL AXIS.

DESIGN (ASD) LEVEL.

SSMA STANDARDS AND ICC ESR-3064P. 10. ALL WELDING TO BE PERFORMED BY CERTIFIED LIGHT-GAUGE WELDERS CERTIFIED FOR ALL APPROPRIATE

-BEND WEB & SCREW

TO STUD. WEB WITH

(3) #10 SMS

-HEADER PER

-JAMB STUD(S)

-JAMB STUD(S)

-HEADER PER

-BEND WEB & SCREW

TO STUD. WEB WITH

-BEND WEB & SCREW

TO STUD. EA WEB

WITH (3) #10 SMS

(4) #10 SMS

-HEADER PER

-JAMB STUD(S)

SCHEDULE

SCHEDULE

SCHEDULE

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DIRECTION COMPLYING WITH AWS D1.3. WELDING RODS TO CONFORM TO THE FOLLOWING: A. 43 MIL E60XX E70XX OR E6013 B. 54 MIL AND HEAVIER WELDING WIRE FOR FCAW TO CONFROM TO THE

FOLLOWING: E6XT-X OR E7XT-X

E7XT-X

1-PIECE

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5-PIECE

**FICCADENTI WAGGONER** and CASTLE **Structural Engineers** 

3100 Oak Road, Suite 390 Walnut Creek, CA 94597 Telephone: (925) 280-0098 Facsimile: (925) 280-0096 www.fwcse.com

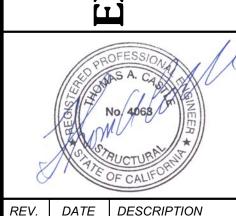
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DESIGN SHEET ADER FERIOR HEAL PROPERTIES EXTERIOR



REV.	DATE	DESCRIPTION
DRAWN BY:		R.B.

1ST ISSUE DATE: 10/29/13

SHEET TITLE:

**HEADER PROPERTIES SHEET** 

DOCUMENT REVIEW					
PROJECT ENGINEER	DRAFTSMAN				
E.M.B.	R.L.B.				
PROJECT NO.:					

B13-161

SHEET NO.: