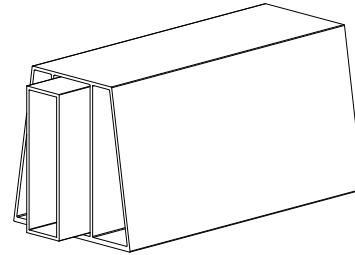




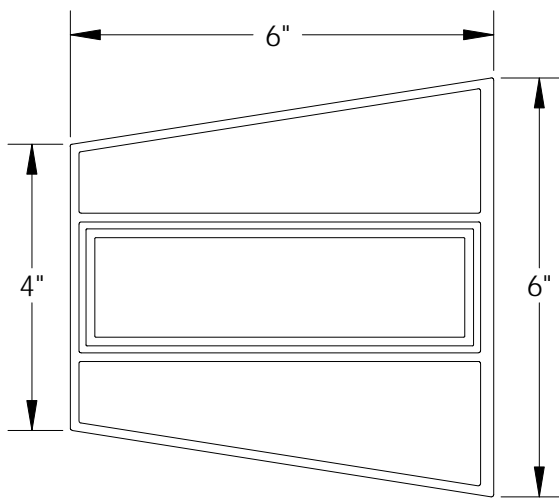
# AW-6 STR Wale



Drawn: JAB Date: 06/18/09

<b>Max Allowable Bending Moment</b>	12,574 ft-lbs	17,048 N-m
<b>Max Allowable Point Load*</b>	15,000 lb	66,723 N
<b>Section Modulus (Z)</b>	8.7 in <sup>3</sup>	143 cm <sup>3</sup>
<b>Moment of Inertia (I)</b>	28 in <sup>4</sup>	1,165 cm <sup>4</sup>
<b>Design Modulus of Elasticity (E)</b>	10 x 10 <sup>6</sup> psi	68,900 Mpa
<b>Material</b>	6063-T6 Marine Grade Aluminum	
<b>Compatibility</b>	AW 2.5" x 0.75" Rod Kit, AW 2.9" x 1" Rod Kit	
<b>Recommended Accessories</b>	90° Corner Brace, 45° & 90° AW-6 Corner Insert, Beveled PVC Washer, 4" Nylon Plate Washer	
<b>Standard Colors/Surface Treatment</b>	Mill Finish, Anodized Marine Bronze	
<b>Standard Packaging</b>	20ft AW-6 Wale, 20ft Structural Insert, SS Fasteners	

\* when used with 4" x 4" washer



Span (L) (ft)	Max Allowable Uniform Load (Bending Moment/ Point Load)	Deflection Allowable Uniform Load (lbs/ft)			
		L/90	L/180	L/240	L/360
4	3,750	----	----	----	----
5	3,000	----	----	----	----
6	2,500	----	----	----	1,920
7	2,143	----	----	1,814	1,209
8	1,875	----	1,620	1,215	810
9	1,552	----	1,138	854	569
10	1,257	----	830	622	415
11	1,039	----	623	467	312
12	873	----	480	360	240
13	744	----	378	283	189
14	642	605	302	227	151
15	559	492	246	184	123

Physical properties are defined by ASTM testing standards, The Aluminum Association Design Manual, and/or standard engineering practice. The values shown are nominal and may vary. The information found in this document is believed to be true and accurate. No warranties of any kind are made as to the suitability of any CMI product for particular applications or the results obtained there from. ShoreGuard, C-Loc, TimberGuard, GeoGuard, Dura Dock, Shore-All, and Gator Gates are registered trademarks of Crane Materials International. ArmorWare, Ultra Composite, GatorDocks, GatorBridge and CMI Waterfront Solutions are trademarks of Crane Materials International. United States and International Patent numbers 5,145,287; 6,000,883; 6,033,155; 6,053,666; D420,154; 6,575,667; 7,059,807; 7,056,066; 7,025,539; 7,393,482; Other patents pending. © 2009 Crane Materials International. All Rights Reserved.