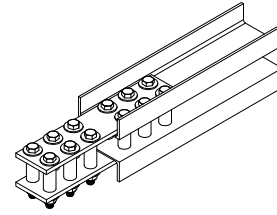




WB-6 Wale



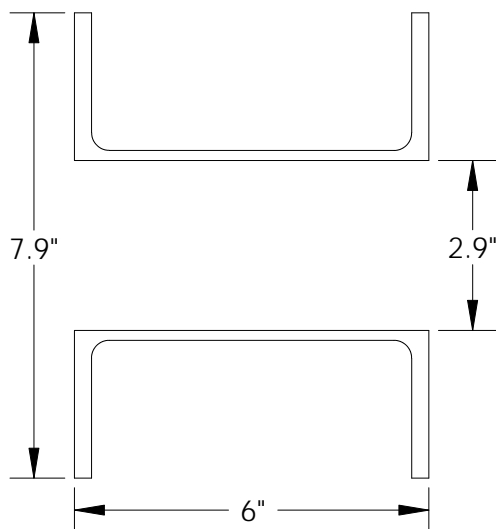
Drawn: JAB Date: 06/18/09

Max Allowable Bending Moment	16,835 ft-lbs**	22,825 N-m**
Max Allowable Point Load*	27,886 lb**	124,040 N**
Section Modulus (Z)	9.7 in ³	159 cm ³
Moment of Inertia (I)	29 in ⁴	1,207 cm ⁴
Design Modulus of Elasticity (E)	10 x 10 ⁶ psi	68,900 Mpa
Material	6061-T6 Marine Grade Aluminum	
Required Components	WB-6 Rod Kit	
Standard Colors	Mill Finish	
Standard Packaging	40ft C-channel (2x), Splice Kit, Nylon & SS Fasteners	

* when used with WB-6 Rod Kit

** Stress combinations should be checked using:

$$\left(\frac{\text{Induced Bending Moment}}{\text{Max Allowable Bending Moment}} \right)^{1.5} + \left(\frac{\text{Induced Point Load}}{\text{Max Allowable Point Load}} \right)^{1.5} \leq 1.0$$



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	5,229	----	----	----	----
5	3,835	----	----	----	3,437
6	2,937	----	----	----	1,989
7	2,321	----	----	1,879	1,253
8	1,880	----	1,678	1,259	839
9	1,552	----	1,179	884	589
10	1,303	----	859	644	430
11	1,108	----	646	484	323
12	954	----	497	373	249
13	829	782	391	293	196
14	727	626	313	235	157
15	643	509	255	191	127

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.