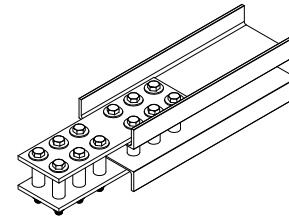




# WB-8 Wale



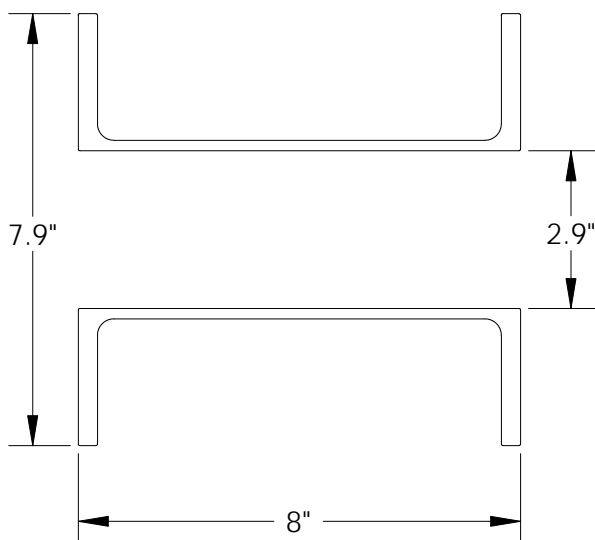
Drawn: JAB Date: 06/18/09

<b>Max Allowable Bending Moment</b>	29,098 ft-lbs**	39,452 N-m**
<b>Max Allowable Point Load*</b>	34,908 lb**	155,280 N**
<b>Section Modulus (Z)</b>	16.4 in <sup>3</sup>	269 cm <sup>3</sup>
<b>Moment of Inertia (I)</b>	66 in <sup>4</sup>	2,747 cm <sup>4</sup>
<b>Design Modulus of Elasticity (E)</b>	10 x10 <sup>6</sup> psi	68,900 Mpa
<b>Material</b>	6061-T6 Marine Grade Aluminum	
<b>Required Components</b>	WB-8 Rod Kit	
<b>Standard Colors</b>	Mill Finish	
<b>Standard Packaging</b>	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	7,207	----	----	----	----
5	5,414	----	----	----	----
6	4,234	----	----	----	----
7	3,409	----	----	----	2,851
8	2,805	----	----	----	1,910
9	2,349	----	----	2,012	1,341
10	1,995	----	1,956	1,467	978
11	1,716	----	1,469	1,102	735
12	1,490	----	1,132	849	566
13	1,306	----	890	668	445
14	1,154	----	713	534	356
15	1,026	----	579	435	290

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.