

BROWNSVILLE MARINE PRODUCTS, LLC  
 1800 Paul Thomas Boulevard  
 Brownsville, PA 15145

5-Sep-12

Customer: CONSOL  
 Barge Names: 12199, 12200, 12201, 12202, 12203, 12204

Barge Length - ft 195.00 ft  
 Barge Width - ft 35.00 ft  
 Barge Depth - ft 13.00 ft

B-9 Rake Hopper without covers

SHORT TONS CARGO													
FEET	1	2	3	4	5	6	7	8	9	10	11	12	13
INCHES													
0	0	72	266	463	662	863	1066	1272	1480	1690	1902	2117	2334
1	0	88	283	479	678	880	1083	1289	1497	1707	1920	2135	
2	0	104	299	496	695	897	1100	1306	1515	1725	1938	2153	
3	0	120	315	512	712	914	1117	1324	1532	1743	1956	2171	
4	0	136	332	529	729	930	1135	1341	1550	1760	1974	2189	
5	0	153	348	546	745	947	1152	1358	1567	1778	1991	2207	
6	0	169	364	562	762	964	1169	1376	1585	1796	2009	2225	
7	0	185	381	579	779	981	1186	1393	1602	1813	2027	2243	
8	8	201	397	595	796	998	1203	1410	1620	1831	2045	2261	
9	24	217	414	612	812	1015	1220	1428	1637	1849	2063	2279	
10	40	234	430	629	829	1032	1237	1445	1655	1867	2081	2297	
11	56	250	446	645	846	1049	1255	1462	1672	1884	2099	2316	

Table for barge afloat on even keel, FRESH water = 310.00 SHORT TONS barge weight  
 Cargo Hopper Volume = 70,272 Cu. Ft. (Struck)

DESIGN B9