

Name	Number	Year Built
Marty J	1193074	2006
455 3	1204668	2007
455 4	1218567	2009
455 5	1218997	2009
455 6	1220095	2009
455 7	1221895	2009
455 8	1225722	2010
455 9	1227728	2010

400' x 105' x 25' • 121.92m x 32.00m x 7.62m

455 SERIES

Specifications

Summer Load Line

Keel Draft 9' 1.1875" • 5.82m

Displacement 23,090ST • 20,946.90MT

Deadweight 19,226ST • 17,441.53MT

Lightship

Draft (mean) 3'9" • 1.14m

Displacement 3,863.87ST • 3,505.24MT

LCG Forward of Transom 201.11' • 61.30m

VCG Above Baseline 202.22' • 61.64m

Draft Mark Locations Forward of Transom

Fwd Marks 337.77' • 102.95m

Aft Marks 60.83' • 18.54m

Longitudinal Strength Data

Maximum Allowable Still Water Bending Moments

In Port 345,117LT-ft • 106,880MT-m

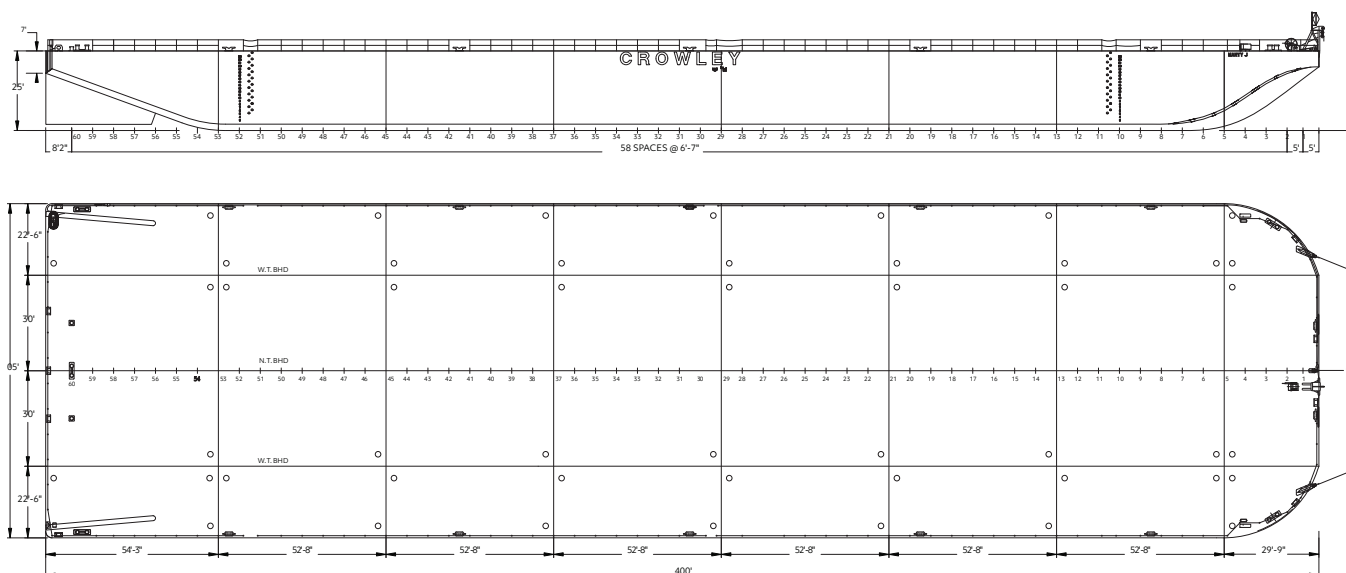
At Sea 157,468LT-ft • 48,766MT-m

Maximum Allowable Still Water Shear Force

In Port 3,276LT • 3,328.57MT

At Sea 1,781LT • 1,809.58MT

DWT (S/T)	DRAFT (FEET)	DISPL (S/T,S.W.)	TPI
19000	19	23000	110
18000	18	22000	
17000	17	21000	
16000	16	20000	108
15000	15	19000	
14000	14	18000	
13000	13	17000	106
12000	12	16000	
11000	11	15000	
10000	10	14000	104
9000	9	13000	
8000	8	12000	
7000	7	11000	102
6000	6	10000	
5000	5	9000	
4000	4	8000	100
3000	3	7000	
2000	2	6000	
1000	1	5000	98
0	0	4000	
			96
			94



455 Series Allowable Loads

Transverse Frames

Uniform Linear Load - 42,308lb/ft • 62.96MT/m

Point Load - 198,998lbs • 90.26MT

Transverse Bulkheads

Uniform Linear Load - 82,094lb/ft • 122.17MT/m

Point Load - 547,293lb • 248.25MT

(only over web frames)

Longitudinal Bulkheads

Uniform Linear Load - 74,722lb/ft • 111.20MT/m

Point Load - 515,205lb • 233.69MT

(only over web frames)

Nominal Overall Deck Load Rating

4,200lb/ft² • 20.51MT/m²

Intersection of Structures

Transverse Bulkhead and Longitudinal Bulkhead

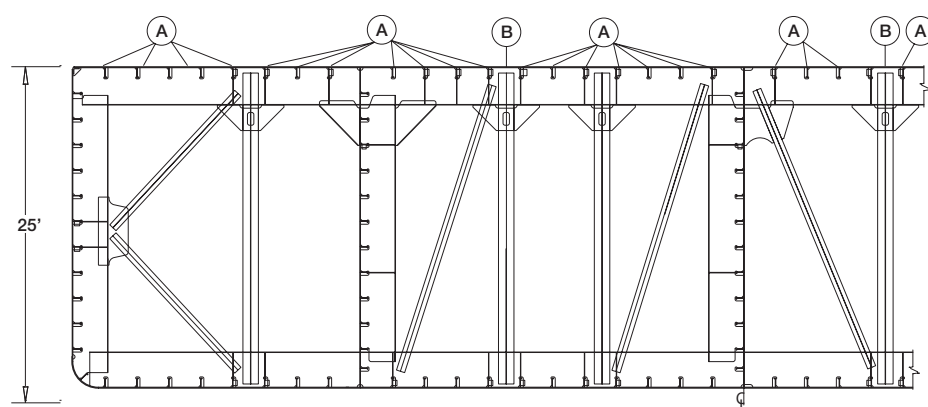
814.89Kips • 369.63MT

Transverse Bulkhead and Side Shell

772.97Kips • 350.61MT

Transverse Frame and Side Shell

599.60Kips • 271.97MT



A - Longitudinal Stiffeners
B - Frame Stanchions

*All information contained herein (including but not limited to any specifications, particulars, capacities, or capabilities) is believed to be correct, but is not guaranteed and is subject to change without notice.