

455 Series - 400' x 105' x 25'



Specifications

Summer Load Line Keel Draft	19' 1.1875"
Summer Load Line Displacement	23,090 ST
Summer Load Line Deadweight	19,226 ST
Lightship Draft	3' 09" mean
Lightship Displacement	3,863.87 ST
Lightship LCG	202.22 ft Forward of Transom
Lightship VCG	13.81 ft above Baseline
Draft Mark Locations	
Fwd Marks	337.77 ft Forward of Transom
Aft Marks	60.83 ft Forward of Transom

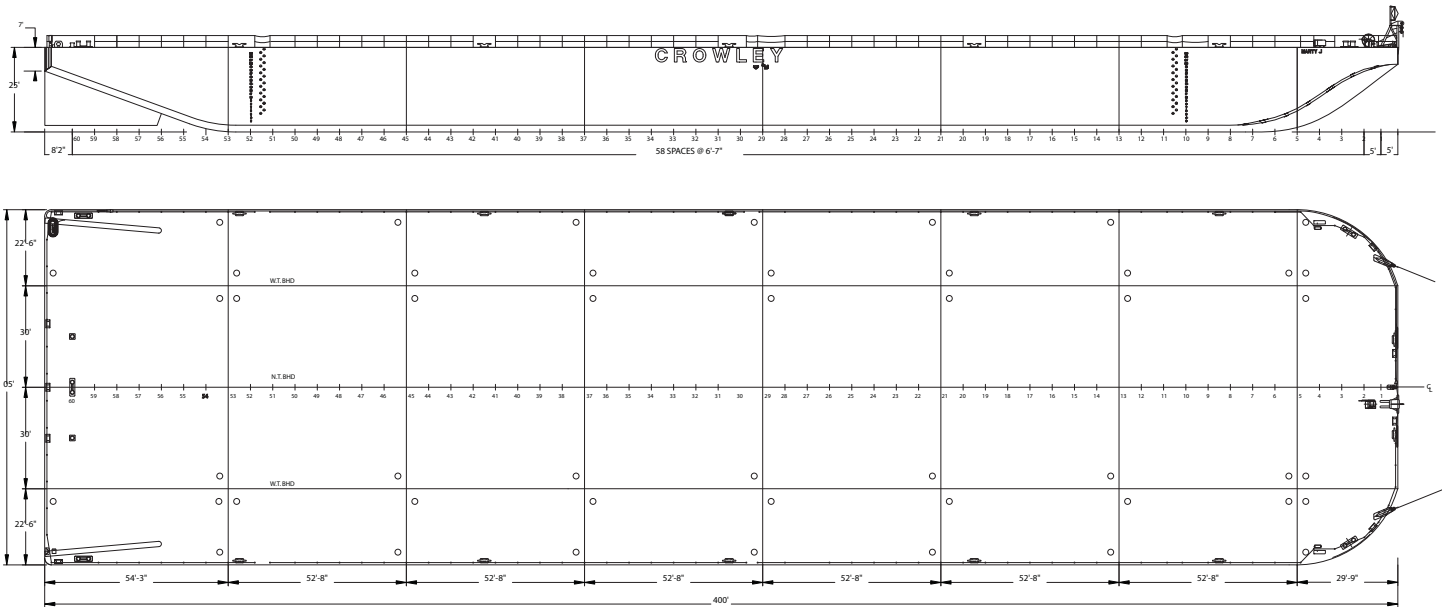
Longitudinal Strength Data

Maximum Allowable Still Water Bending Moments	
In Port	345,117 LT-ft
At Sea	157,468 LT-ft
Maximum Allowable Still Water Shear Force	
In Port	3,276 LT
At Sea	1,781 LT

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

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455 Series - Summary of Allowable Loads



Transverse Frames

Uniform Linear Load - 42,308 lbf/ft
Point Load - 198,998 - lbs

Transverse Bulkheads

Uniform Linear Load - 82,094 lbf/ft
Point Load - 547,293 lbf
(only over web frames)

Longitudinal Bulkheads

Uniform Linear Load - 74,722 lbf/ft
Point Load - 515,205 lbf
(only over web frames)

Nominal Overall Deck Load Rating

4,200 lbf/ft²

Intersection of Structures

Transverse and Longitudinal Bulkheads - 814.89 Kips
Transverse Bulkhead and Side Shell - 772.97 Kips
Transverse Frame and Side Shell - 599.60 Kips

