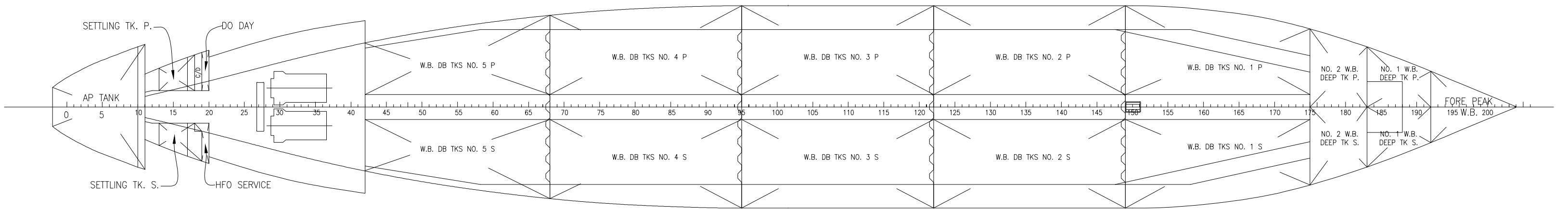
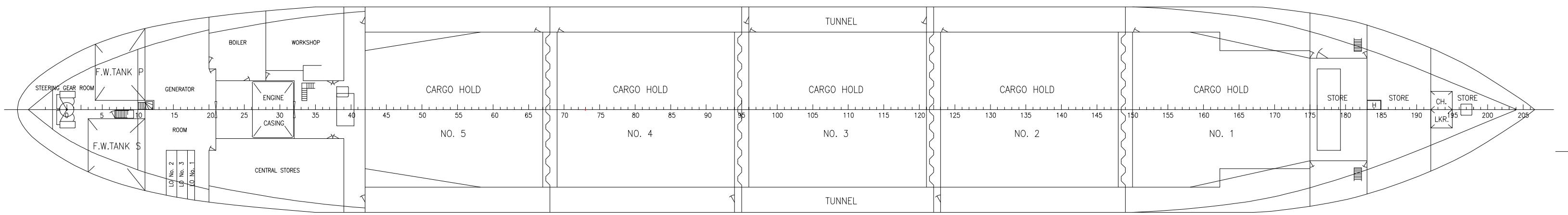
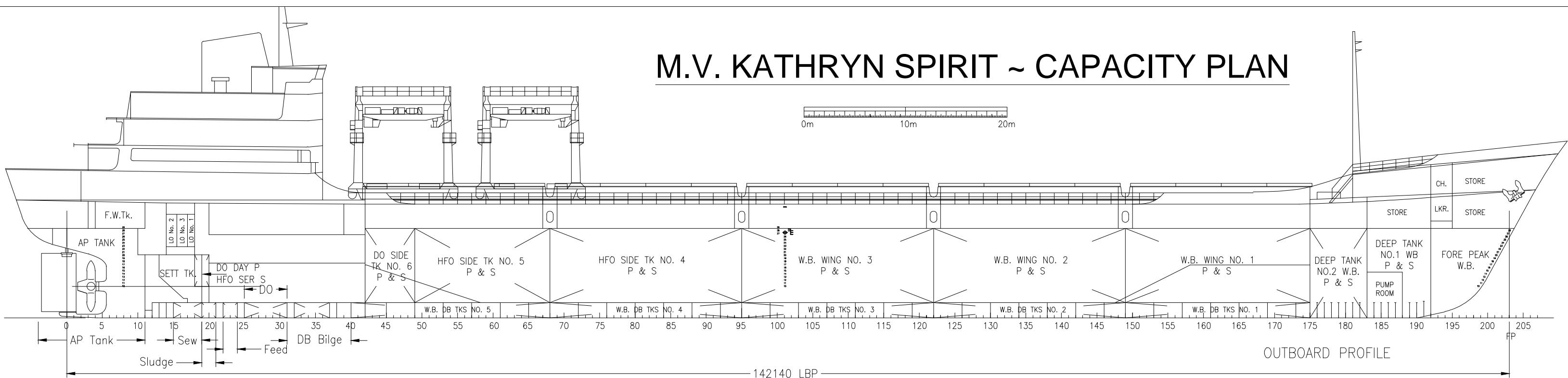


M.V. KATHRYN SPIRIT ~ CAPACITY PLAN



CARGO HOLDS

Cargo Tanks	Frames	Capacity		Centre of Gravity		Max. cargo @ 1.39 m^3/t (Tonnes)
		(m^3)	(ft^3)	Ab. Base (m)	Fwd AP (m)	
No. 1 Cargo Hold	149 ~ 175	2554	90190	7.33	112.81	1837
No. 2 Cargo Hold	122 ~ 149	3180	112297	7.08	94.72	2288
No. 3 Cargo Hold	95 ~ 122	3180	112297	7.08	75.82	2288
No. 4 Cargo Hold	68 ~ 95	3180	112297	7.08	56.92	2288
No. 5 Cargo Hold	42 ~ 68	3058	107988	7.18	38.35	2200
		15152	535068	7.14	74.49	10901

BALLAST TANKS CAPACITIES

Ballast Tanks	Frames	Capacity		Centre of Gravity		FSM in SG = 1.0 (tonne-m)
		Cubic M^3	S.W. (MT)	VCG ab. (m)	LCG fwd (m)	
Fore Peak	192 - Stem	98.0	100.5	6.144	136.630	50.1
Deep Tank No. 1 P	183 - 192	110.5	113.3	6.152	131.297	53.9
Deep Tank No. 1 S	183 - 192	153.8	157.6	5.345	130.815	59.5
Deep Tank No. 2 P & S	175 - 183	460.4	471.9	5.107	125.135	296.0
DB Tank No. 1 P & S	149 - 175	199.8	204.8	0.869	111.969	495.0
DB Tank No. 2 P & S	122 - 149	360.4	369.4	0.841	94.394	1585.4
DB Tank No. 3 P & S	95 - 122	411.6	421.9	0.837	75.918	2091.0
DB Tank No. 4 P & S	68 - 95	395.4	405.3	0.835	57.303	1902.6
DB Tank No. 5 P	40 - 68	149.0	152.7	0.838	38.889	494.4
DB Tank No. 5 S	40 - 68	148.1	151.8	0.837	38.952	483.4
Wing Tank No. 1 P & S	149 - 175	391.4	401.2	5.830	113.202	90.8
Wing Tank No. 2 P & S	122 - 149	623.4	639.0	5.330	94.447	47.4
Wing Tank No. 3 P & S	95 - 122	675.2	692.1	5.156	75.939	47.8
Aft Peak	B - 11	133.1	136.4	6.627	4.675	387.7
Total		4310.1	4417.9			

Note: no free-surface effect if ballast tanks are pressed full

FRESH WATER TANKS CAPACITIES

FW Tanks	Frames	Capacity		Centre of Gravity		FSM in SG = 1.0 (tonne-m)
		Cubic M^3	(MT)	VCG ab. (m)	LCG fwd (m)	
Reserve Feed Water	22 ~ 24	11.1	11.1	0.860	16.114	29.1
Fresh Water Tank Port	4 ~ 11	53.7	53.7	10.127	5.390	64.2
Fresh Water Tank Stbd	3 ~ 11	59.6	59.6	10.127	5.099	69.8
Total		124.4	124.4			

PRINCIPAL PARTICULARS:

LENGTH OVERALL 153.38 m
LENGTH B.P. 142.14 m
BREADTH MLD. 20.20 m
DEPTH MLD. 11.20 m

OFFICIAL NUMBER 830871
GROSS TONNAGE 9261
PORT OF REGISTRY HAMILTON, ONTARIO
HATCH CRANE 2 x 20t MUNCH GANTRY CRANES ON RAILS
MAIN ENGINES 2 x 4000C.V. at 425 RPM

DEADWEIGHT SCALE

DRAFT	DEADWEIGHT (t) F.W.	TPC S.W.	DRAFT
29	14000	14000	9M
28	13000	13000	25
27	12000	12000	8M
26	11000	11000	24
25	10000	10000	23
24	9000	9000	7M
23	8000	8000	22
22	7000	7000	6M
21	6000	6000	21
20	5000	5000	20
19	4000	4000	19
18	3000	3000	18
17	2000	2000	17
16	1000	1000	16
15	0	0	15
14	3000	3000	4M
13	2000	2000	13
12	1000	1000	12
11	0	0	11
10	0	0	10
9	0	0	9
			20

MIDSHIP SECTION

LIGHTSHIP WEIGHT = 4782 TONNES
DEADWEIGHT IN METRIC TONS OF 1,000 kg
TO OBTAIN CARGO DEADWEIGHT, FUEL, FW, LO, SHIP
STORES AND BALLAST MUST BE DEDUCTED

		Drawn KY	Title	
		Checked -	CAPACITY PLAN	
		Scale N.T.S.	Sht.	Project M.V. KATHRYN SPIRIT
		Date March, 2007		Client McKeil Marine Ltd.
		Dwg.no. EN06287-02	Rev.0	Hamilton, ON
		Revisions		
		KAM Technology		
		3 Kehlme Cresc. Thorold ON L2V 4C1		
		Tel/Fax: (905) 227 7388		