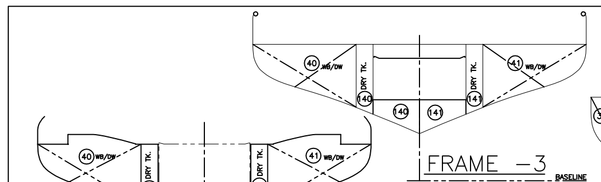

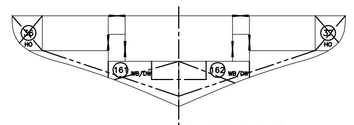

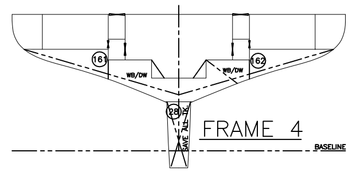

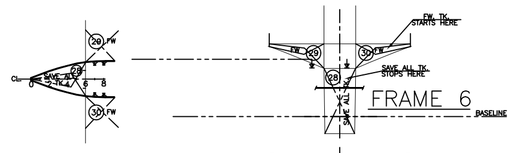

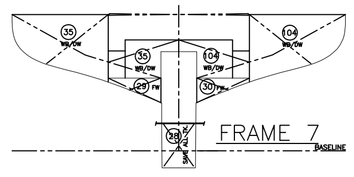

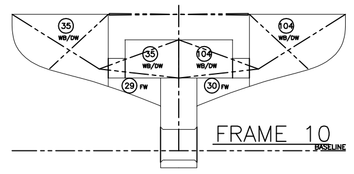

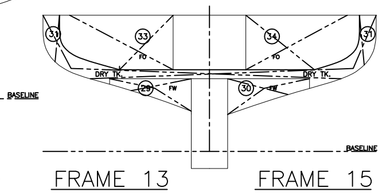

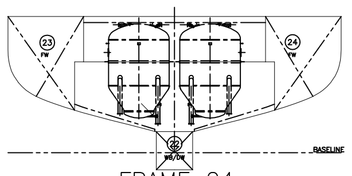

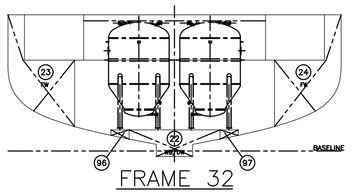

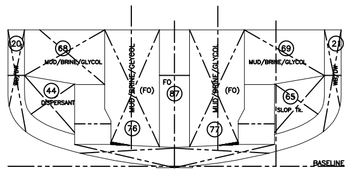

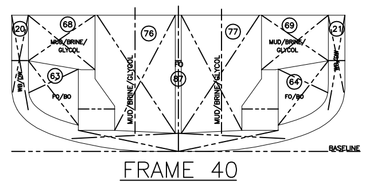

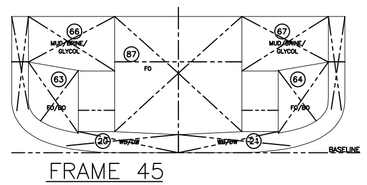

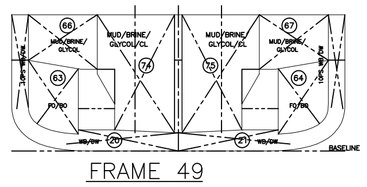

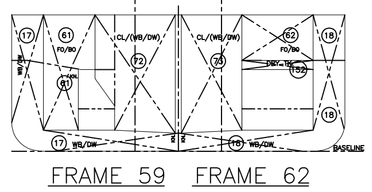

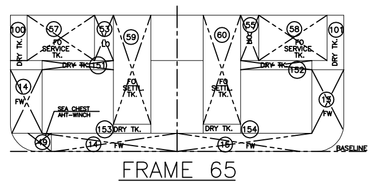

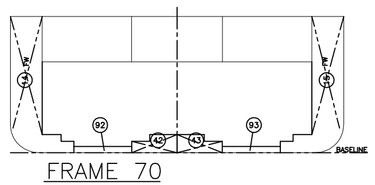

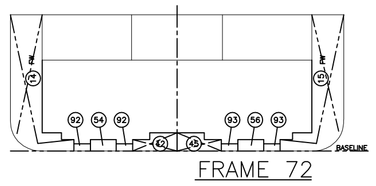

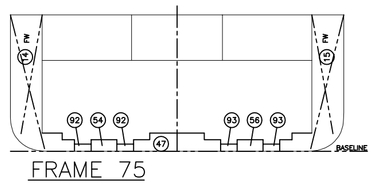

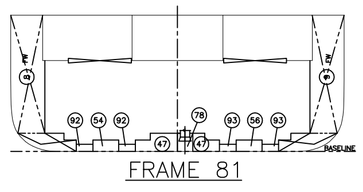

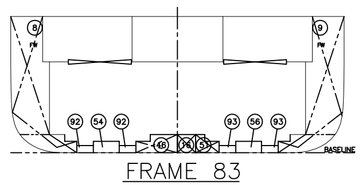

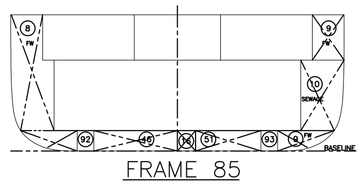

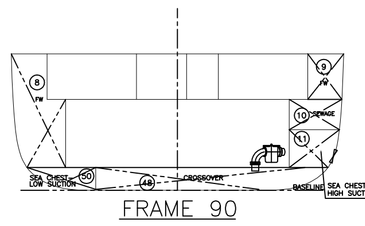

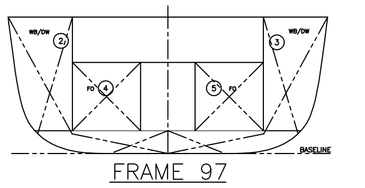

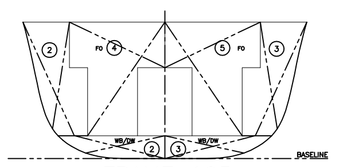

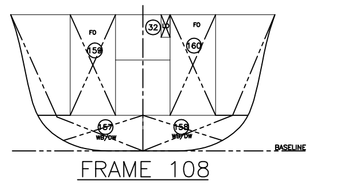

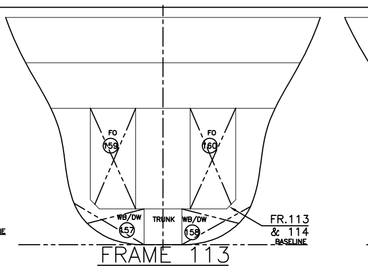

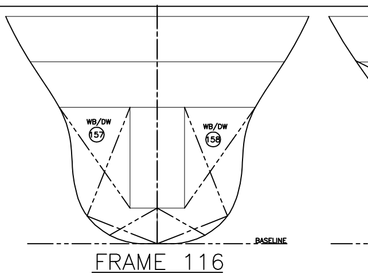

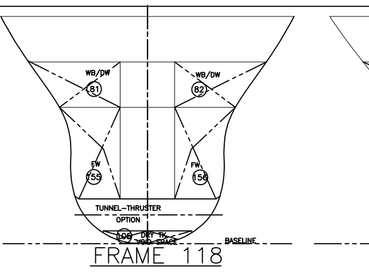

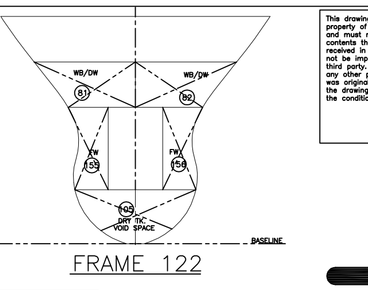

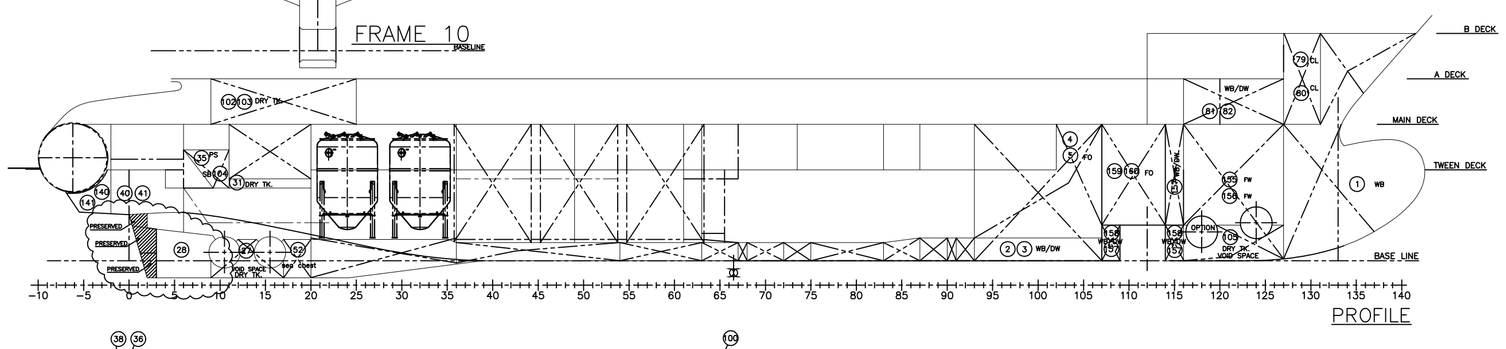

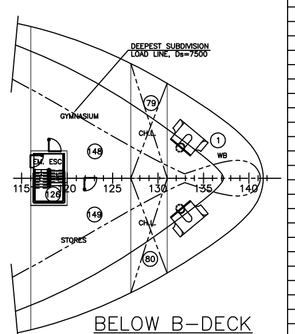

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NOTE: FILLING IN THE ALS TOLTK.60−80 AND TK.74−77) IS TO BE LIMITED TO NOT EXCEEDING 80% FILLING LEVEL. FOR COMPLIANCE WITH 1.1.4 OF THE IMO RES. A 672(16) AS ACCEPTED BY SINGAPORE MPA FOR THE LIMITED AGGREGATE QUANTITY NOT GREATER THAN 890 m3. VOLUMES IN THESE COLUMNS REFLECTS 80% FILLING LEVEL OF THE TANKS.

No.	IDENTIFICATION TEXT	AIR PIPE HEIGHT (mm AB.BL.)	Net Vol. (m3) (with C/M)	WB	DW	FW 1.000	FO 0.900	BRINE 2.500	MUD 2.500	BASE OIL 0.900	DRY BULK 2.160	LO/HO 0.900	GLYCOL 0.900	MISC. 1.000	LCG (m)	TCG (m)	VCG (m)	Mom.Iner. (mt)
1	Tank no. 1 WB/DW	15450.00	285.228	285.228	285.228										79.883	0.000	7.930	375.50
2	~~Tank no. 2 WB/DW~~	12450.00	291.242	291.242	291.242										59.727	−6.554	4.078	396.74
3	Tank no. 3 WB/DW	12450.00	291.819	291.819	291.819										59.724	6.551	4.076	399.21
4	Tank no. 4 FO	15760.00	206.075				206.075								60.461	−3.682	4.761	62.44
5	Tank no. 5 FO	15760.00	206.075				206.075								60.461	3.682	4.761	62.44
6	Tank no. 6 DRY TK	12500.00	24.250											24.250	55.193	1.613	0.769	317.44
8	Tank no. 8 FW	12450.00	169.905			169.905									51.581	−9.315	4.507	21.31
9	Tank no. 9 FW	12450.00	104.412			104.412									51.043	9.47	4.932	18.02
10	Tank no.10 SEWAGE	26650.00	51.765											51.735	53.100	9.161	4.098	15.87
11	Tank no.11 Sea Chest	10500.00	13.591											13.591	54.906	8.702	2.802	5.84
															0.0	0.0	0.0	
13	Tank no.13 Dry Tk.	12450.00	5.167											5.167	40.541	0.0	0.488	38.43
14	Tank no.14 FW	12450.00	196.033			196.033									42.953	−9.013	3.656	404.25
15	Tank no.15 FW	12450.00	203.793			203.969									42.812	9.028	3.542	408.70
16	Tank no.16 LO Drop	10500.00	3.810									3.81			51.046	0.600	0.678	0.35
17	Tank no.17 WB/DW	10500.00	154.786	154.786	154.786										35.105	−7.792	3.14	543.26
18	Tank no.18 WB/DW	10500.00	154.965	154.965	154.965										35.108	7.784	3.137	550.77
19	Tank no.19 LO Spare tk.	10500.00	5.825									5.825			21.500	8.256	7.449	1.64
20	Tank no.20 WB/DW	10500.00	210.968	210.968	210.968										27.195	−7.054	2.666	759.48
21	Tank no.21 WB/DW	10500.00	210.968	210.968	210.968										27.195	7.054	2.666	759.48
22	Tank no.22 WB/DW	10500.00	62.765	62.765	62.765										17.537	0.001	0.569	303.50
23	Tank no.23 FW	10500.00	183.262			183.262									16.472	−8.634	5.730	61.66
24	Tank no.24 FW	10500.00	183.262			183.262									16.472	8.634	5.730	61.66
25	Tank no.25 Dry Tk	10500.00	10.022											10.022	21.302	−8.549	3.977	4.28
26	Tank no.26 Dry Tk	10500.00	10.022											10.022	21.302	8.549	3.977	4.28
27	Tank no.27 Dry Tk.	10500.00	~~13.806~~											13.805	7.802	0.000	−0.245	5.39
28	Tank no.28 Save All	10500.00	21.690											21.690	3.519	0.000	0.859	2.45
29	~~Tank no.29 FW~~	10500.00	~~59.175~~			59.175									8.929	−3.544	3.994	207.31
30	Tank no.30 FW	10500.00	59.175			59.175									8.929	3.544	3.994	207.31
31	Tank no.31 Dry Tk	10500.00	114.405											114.405	9.256	0.000	5.938	3453.48
32	Tank no.32 LO Bow Thr.	15450.00	3.170									3.170			66.000	1.501	8.250	0.06
33	Tank no.33 FO	10500.00	133.275				133.275								9.356	−5.953	7.283	189.81
34	Tank no.34 FO	10500.00	133.275				133.275								9.356	5.953	7.283	189.81
35	Tank no.35 WB/DW	10500.00	96.707	96.707	96.707										5.114	−5.841	6.827	311.98
36	Tank no.36 HO Capstan	10500.00	2.473									2.473			−0.299	−9.842	7.954	0.46
37	Tank no.37 HO Aft Equipment	10500.00	2.473									2.473			−0.299	9.842	7.954	0.46
38	Tank no.38 HO Steering Gears	10500.00	2.439									2.439			−0.899	−9.835	7.985	0.46
39	Tank no.39 LO Stern Thr.	10500.00	2.439									2.439			−0.899	9.835	7.985	0.46
40	Tank no.40 WB/DW	10500.00	82.451	82.451	82.451										−3.356	−7.018	7.429	104.03
41	Tank no.41 WB/DW	10500.00	82.451	82.451	82.451										−3.356	7.018	7.429	104.03
42	Tank no.42 HO Drop Tk.	12450.00	12.522									12.522			42.884	−1.329	0.536	9.02
43	Tank no.43 Dirty Oil	12450.00	7.210									7.210			41.997	1.341	0.535	5.35
44	Tank no.44 Disp. Tk.	10500.00	17.324											17.324	22.520	−8.137	4.164	5.39
45	Tank no.45 FO Drain	12450.00	5.287											5.287	44.097	1.305	0.539	3.66
46	Tank no.46 Bilge Tk.	12450.00	27.066											27.066	52.243	−2.527	0.715	47.40
47	Tank no.47 FO Overflow	12450.00	26.133											26.133	47.321	−0.027	0.540	70.50
48	Tank no.48 Crossover	12500.00	12.517											12.517	54.299	1.722	0.775	178.89
49	Tank no.49 Sea Chest AMTS	10500.00	7.760											7.760	39.256	−9.405	0.682	4.35
50	Tank no.50 Sea Chest Low	10500.00	8.554											8.554	54.878	−7.141	0.863	11.38
51	Tank no.51 Sludge Tk.	12450.00	23.255											23.255	52.439	2.843	0.721	34.93
52	Tank no.52 Sea Chest Aft		8.862											8.862	11.103	0.005	0.164	2.07
53	Tank no.53 LO Main Eng.	10500.00	8.467									8.467			39.000	−4.800	7.500	0.35
54	Tank no.54 Dry Tk	12450.00	10.451											10.451	46.875	−4.772	0.380	3.43
55	Tank no.55 HO Winch	10500.00	8.467									8.467			39.000	4.800	7.500	0.35
56	Tank no.56 Dry Tk	12450.00	10.451											10.451	46.875	4.772	0.380	3.43
57	Tank no.57 FO Service Tk	12450.00	31.752				31.752								39.000	−7.650	7.500	8.22
58	Tank no.58 FO Service Tk	10500.00	31.752				31.752								39.000	7.650	7.500	8.22
59	Tank no.59 FO Settling	12450.00	28.074				28.074								38.758	−3.098	5.656	2.04
60	Tank no.60 FO Settling	12450.00	28.074				28.074								38.758	3.098	5.656	2.04
61	Tank no.61 FO/BO	10500.00	112.467							112.467					34.790	−7.216	5.811	29.65
62	Tank no.62 FO/BO	10500.00	112.467							112.467					34.790	7.216	5.811	29.65
63	Tank no.63 FO/BO	10500.00	114.921				112.467			114.921					28.147	−8.199	3.688	28.95
64	Tank no.64 FO/BO	10500.00	114.921				114.921			114.921					28.147	8.199	3.688	28.95
65	Tank no.65 SLOP Tk.	10500.00	17.324											17.324	22.520	8.137	4.164	5.39
66	Tank no.66 MUD/BRINE/GLY.	10500.00	83.547					75.192	75.192				75.192		29.846	−7.297	7.297	51.980
67	Tank no.67 MUD/BRINE/GLY.	10500.00	83.547					75.192	75.192				75.192		29.846	7.297	7.297	51.920
68	Tank no.68 MUD/BRINE/GLY.	10500.00	82.595					74.336	74.336				74.336		24.850	−7.295	7.295	53.31
69	Tank no.69 MUD/BRINE/GLY.	10500.00	82.595					74.336	74.336				74.336		24.850	7.297	7.295	53.31
70	Tank no.70 HO	10500.00	9.108									9.108			21.892	−6.632	7.252	4.42
71	Tank no.71 LO STERN TUBE	10500.00	4.736									4.736			21.885	5.572	7.200	0.59
72	Tank no.72 CL/WB/DW	10500.00	156.330	156.330	156.330										35.400	−2.718	5.317	38.66
73	Tank no.73 CL/WB/DW	10500.00	156.330	156.330	156.330										35.400	2.718	5.317	38.66
74	Tank no.74 MU/BR/GLY/CL	10500.00	156.330					140.697	140.697				140.697		29.700	−2.718	5.317	38.66
75	Tank no.75 MU/BR/GLY/CL	10500.00	156.330					140.697	140.697				140.697		29.700	2.718	5.317	38.66
76	Tank no.76 FO/MU/BR/GLY	10500.00	156.330				156.330	140.697	140.697				140.697		24.000	−2.718	5.317	38.66
77	Tank no.77 FO/MU/BR/GLY	10500.00	156.330				156.330	140.697	140.697				140.697		24.000	2.718	5.317	38.66
78	Tank no.78 FI−FI SEA CHEST	10500.00	1.411												48.600	0.500	0.800	0.100
79	Tank no.79 CL	15450.00	58.971											58.971	77.324	−2.401	12.640	65.52
80	Tank no.80 CL	15450.00	58.971											58.971	77.324	2.401	12.640	65.52
81	Tank no.81 WB/DW	15450.00	96.666	96.666	96.666										72.761	−3.231	10.612	160.45
82	Tank no.82 WB/DW	15450.00	96.666	96.666	96.666										72.761	3.231	10.612	160.45
83																		
84																		
85																		
86	Tank no.86 FO	10500.00	98.698				98.698								32.714	0	5.124	34.88
87	Tank no.87 FO	10500.00	114.782				114.782								25.814	0	5.123	36.40
88	Tank no.88 Cement	10500.00	58.985									58.985			19.200	−2.350	5.704	12.540
89	Tank no.89 Cement	10500.00	58.986									58.986			19.200	2.350	5.705	12.540
90	Tank no.90 Cement	10500.00	58.985									58.985			14.400	−2.350	5.704	12.540
91	Tank no.91 Cement	10500.00	58.986									58.986			14.400	2.350	5.705	12.540
92	Tank no.92 Preserved	10500.00	15.809											15.809	47.888	−5.187	0.389	49.93
93	Tank no.93 Preserved	10500.00	15.809											15.809	47.888	5.187	0.389	49.93
94	Tank no.94 Dry Tk	10500.00	8.770											8.770	12.300	−8.485	7.507	6.25
95	Tank no.95 Dry Tk	10500.00	8.770											8.770	12.300	8.485	7.507	6.25
96	Tank no.96 Servo Oil Sys.	–	0.863									0.863			19.840	−3.559	1.086	0.17
97	Tank no.97 Servo Oil Sys.	–	0.863									0.863			19.840	3.559	1.086	0.17
100	Tank no.100 Dry Tk.	12450.00	13.318											13.318	39.459	−10.241	7.271	2.32
101	Tank no.101 Dry Tk.	12450.00	13.318											13.318	39.459	10.241	7.271	2.32
102	Tank no.102 Dry Tk.	12760.00	84.672											84.672	10.200	−9.500	10.500	21.60
103	Tank no.103 Dry Tk.	12760.00	84.672											84.672	10.200	9.500	10.500	21.60
104	Tank no.104 WB/DW	10500.00	96.707	96.707	96.707										5.114	5.841	6.827	311.98
105	Tank no.105 Dry Tk./Void		50.566											50.566	72.789	0.000	1.147	88.51
140	Tank no.140 Dry Tk.stern roller	10500.00	22.426											22.426	−2.611	−3.715	5.757	9.44
141	Tank no.141 Dry Tk.stern roller	10500.00	22.426											22.426	−2.611	1.757	5.757	51.28
151	Tank no.151 DRY Tk.		9.058											9.058	38.526	6.716	5.700	26.16
152	Tank no.152 DRY Tk.		9.058											9.058	38.526	−6.716	5.700	26.16
153	Tank no.153 DRY Tk.		3.029											3.029	39.120	−3.004	1.511	2.88
154	Tank no.154 DRY Tk.		3.029											3.029	39.120	3.004	1.511	2.88
155	Tank no.155 FW	12450.00	98.098			98.098									72.275	−3.084	5.888	24.69
156	Tank no.156 FW	12450.00	98.098			98.098									72.275	3.084	5.888	24.69
157	Tank no.157 WB/DW	15450.00	149.743	149.743	149.743										66.893	−4.511	4.357	81.00
158	Tank no.158 WB/DW	15450.00	149.743	149.743	149.743										66.893	4.511	4.357	81.00
159	Tank no.159 FO	16500.00	82.114				82.114								66.300	−3.300	5.875	9.45
160	Tank no.160 FO	16500.00	82.114				82.114								66.300	3.300	5.875	9.45
161	Tank no.161 WB/DW	10500.00	69.121	69.121	69.121										1.227	−3.734	5.295	219.51
162	Tank no.162 WB/DW	10500.00	69.121	69.121	69.121										1.227	3.734	5.295	219.51
		TOTAL VOLUME (m3)		2985.026	2985.026	1354.992	1942.889	861.8	861.8	454.8	235.9	75.4	861.8	974.683				
		TOTAL WEIGHT (T)		WB 3039.151	DW 3039.151	1354.992	1748.690	2154.6	2154.6	409.3	509.6	67.8	775.7	974.683				
				1.025	1.000	1.000	0.900	2.500	2.500	0.900	2.160	0.900	0.900	MISC. 1.000				

MAIN PARTICULARS:

LENGTH OVER ALL	:	92.00 m
LENGTH BETW. PERP'S	:	79.80 m
BREADTH	:	22.00 m
DEPTH TO TWEEN DECK	:	6.00 m
DEPTH TO MAIN DECK	:	9.00 m
DEPTH TO A DECK	:	12.00 m
MAXIMUM DRAUGHT	:	7.50 m
FRAME SPACING	:	0.60 m

CLASS:

ABS + A1 − +ACCU − OFFSHORE SUPPORT VESSEL − Towing Vessel +AMS − ES − Ice Class C0 − +DPS−2 SPS 2008

OPTION: CCO+(TEMP)

REV.	CHANGED	DATE/SIGN.
10	Based on new tank volume info.	13.01.2011/fof
8	General update thruster/NLS capacity	25.10.10/fof
6	Received from ABS−reference only	04.08.10/fof
4	Updated tank plan at fr.118	18.05.10/fof
2	Upgraded according to comments	29.04.10/fof
0	First issue	12.04.10/fof
11	Based on comments from Singapore	19.01.11/fof
9	Based on comments from Singapore	07.12.10/fof
7	New frame added to drawing	15.08.10/fof
5	Upd.acc.to comment from SPO/DDW	25.05.10/fof
3	Based on comments etc.	07.05.10/fof
1	Based on comments from SPO/DDW−S	25.04.10/fof

C	Small adjustments to tanks	31.05.11/fof
A	Approved by all parties	22.03.11/egl
14	According to comments	31.01.11/AF
12	According to comments in meeting	25.01.11/fof
D	Updates in skeg area	29.06.11/fof
B	Tank heights adjusted in table	18.05.11/fof
15	Updated text with 90 percent filling	09.03.11/fof
13	General update tk.40/41/140/141/	27.01.11/fof

YARD No./PROJECT: Drydocks World Singapore Pte. Ltd. Y.no. 06192/06193/06194/06195

TANK PLAN
92 x 22 M AHTS

DDW−S | SWIRE | ABS | NEWBUILDING

DATE: 18.02.10 | DRAWN: AKR | CHECKED: | PLOTTED: 05.03.10 | SCALE: 1:200 | FORMAT:

CUSTOMER: DWS / SPO Swire Pacific Offshore

IMO: 10130−102−009 | REV. D

HD DRAWING NO.: 10130−102−009

YARD DRAWING NO.: TBA

HAVYARD design™

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