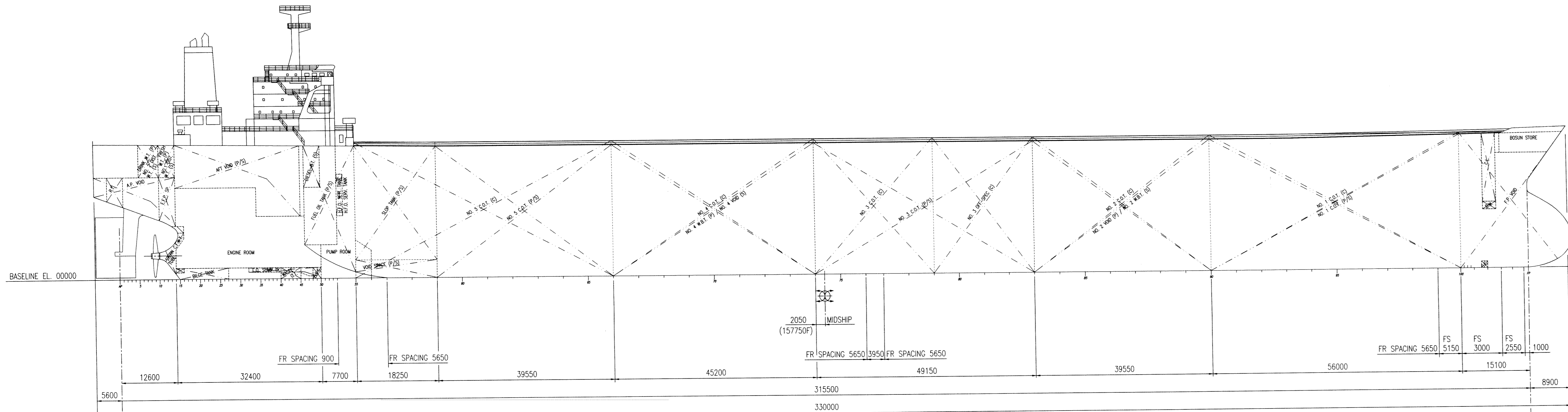


6.3 CAPACITY PLAN*Capacity Plan indicating the cargo tanks, slops, void spaces, etc.*

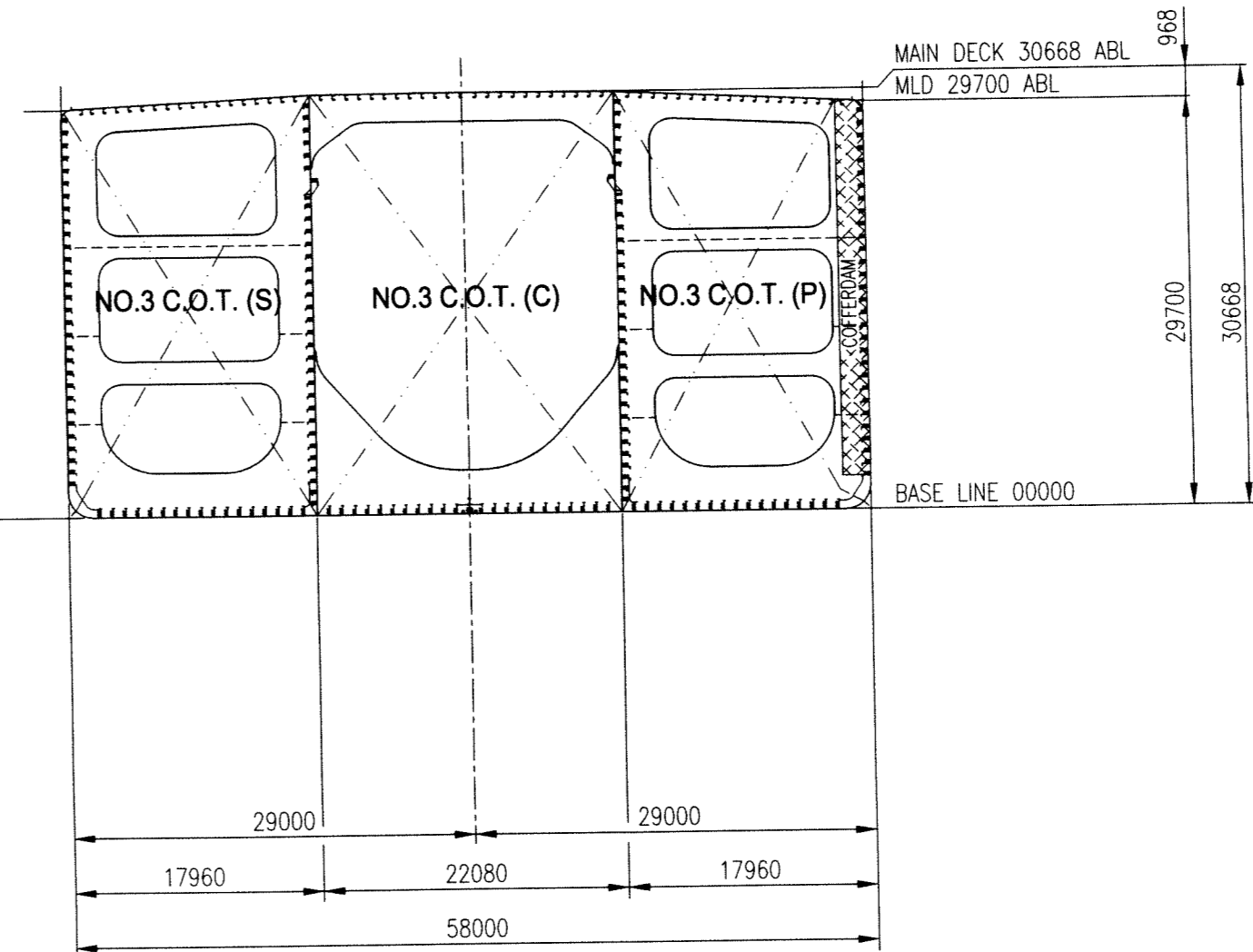
Please refer to the following drawing(s) contained in this section:

Drawing/Document Title	Drawing/Document No.	Pages
Tank Capacity Plan	0262-MI20-00D1-0110, Rev. B	0051

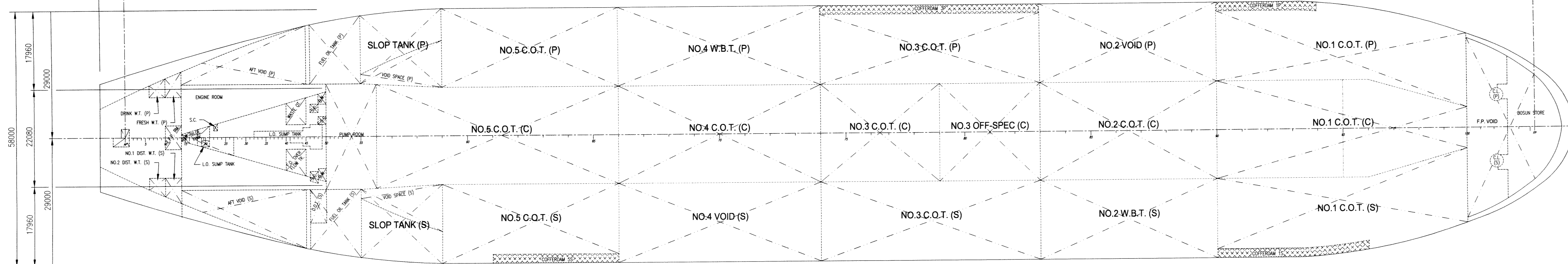




STARBOARD SIDE PROFILE



MIDSHIP SECTION
(LOOKING AFT)



TANK LAYOUT PLAN

CARGO OIL								
TANK DESCRIPTION	FRAME NO.	VOLUME 100% (m ³)	VOLUME 98% (m ³)	VOLUME 100% (Bbls)	LCG (m-AP)	VCG (m-BL)	TCG (m-CL)	FS INERTIA
1 C.O.T. (C)	90-100	33,369	32,702	209,891	269.820F	15,532	0.000	33,153
1 C.O.T. (P)	90-100	25,306	24,800	159,175	271.868F	16,012	17.650P	20,745
1 C.O.T. (S)	90-100	24,422	23,934	153,614	272.005F	15,960	17.322S	18,449
2 C.O.T. (C)	83-90	26,611	26,079	167,383	224.625F	15,411	0.000	30,842
3 C.O.T. (C)	74-79	17,860	17,503	112,339	168.975F	15,411	0.000	20,705
3 C.O.T. (P)	74-83	23,562	23,091	148,205	180.275F	15,155	18.976P	23,570
3 C.O.T. (S)	74-83	26,441	25,912	166,314	180.275F	15,130	19.958S	35,248
4 C.O.T. (C)	66-74	30,402	29,794	191,229	133.100F	15,411	0.000	47,948
5 C.O.T. (C)	55-66	38,761	37,986	243,807	81.436F	15,501	0.000	17,386
5 C.O.T. (P)	59-66	19,352	18,965	121,724	91.314F	16,588	19.353P	14,871
5 C.O.T. (S)	59-66	18,211	17,847	114,547	90.942F	16,417	18.815S	17,624
SUBTOTAL		284,297	278,611	1,788,228				
3 OFF-SPEC (C)	79-83	15,203	14,899	95,627	193.550F	15,411	0.000	16,714
SUBTOTAL		15,203	14,899	95,627				
SLOP TANK (P)	55-59	6,315	6,189	39,721	62.279F	19,465	18.900P	6,829
SLOP TANK (S)	55-59	6,315	6,189	39,721	62.279F	19,465	18.900S	6,829
SUBTOTAL		12,630	12,377	79,443				
NET TOTAL		312,130	305,887	1,963,298				

WATER BALLAST							
TANK DESCRIPTION	FRAME NO.	VOLUME 100% (m ³)	VOLUME 98% (m ³)	LCG (m-AP)	VCG (m-BL)	TCG (m-CL)	FS INERTIA
2 W.B.T. (S)	83-90	21,259	20,834	224,603F	15,150	19,946S	18,937
4 W.B.T. (P)	66-74	24,223	23,739	133,258F	15,332	19,849P	21,506
TOTALS		45,482	44,572				

FRESH WATER							
TANK DESCRIPTION	FRAME NO.	VOLUME 100% (m ³)	VOLUME 98% (m ³)	LCG (m-AP)	VCG (m-BL)	TCG (m-CL)	FS INERTIA
FRESH WATER TK. (P)	10-14	174.0	170.5	10,86F	27.21	-	-
DRINK WATER TK. (P)	6-10	140.0	137.2	7.27F	27.36	-	-
1 DIST. W. TANK (S)	10-14	174.0	170.5	10,86F	27.21	-	-
2 DIST. W. TANK (S)	6-10	140.0	137.2	7.27F	27.36	-	-
TOTALS		628.0	615.4				

VOID							
TANK DESCRIPTION	FRAME NO.	VOLUME 100% (m ³)	VOLUME 98% (m ³)	LCG (m-AP)	VCG (m-BL)	TCG (m-CL)	FS INERTIA
NO. 2 VOID (P)	83-90	21,259	20,834	224,603F	15,150	19,946P	18,937
NO. 4 VOID (S)	66-74	24,223	23,739	133,258F	15,332	19,849S	21,506
NO. 1 COFFERDAM (P)	90-94	1,212	1,188	255,438F	16,763	27,862P	11
NO. 3 COFFERDAM (P)	74-83	2,905	2,847	180,275F	14,924	27,994P	33
NO. 1 COFFERDAM (S)	90-96	2,139	2,096	260,922F	17,058	27,370S	48
NO. 5 COFFERDAM (S)	61-66	1,133	1,110	97,242F	19,326	27,929S	14
FORE PEAK VOID (C)	100-SF	10,204	10,000	306,694F	15,690	0.000	18,608
AFT PEAK VOID (C)	SR-14	1,532	1,501	5,880F	20,440	0.000	4,894
AFT VOID (P)	14-45	2,834	2,777	28,950F	24,041	17,173P	3,830
AFT VOID (S)	14-45	2,834	2,777	28,950F	24,041	17,173S	3,830
TOTALS		70,275	68,870				

FUEL OIL / DIESEL OIL							
TANK DESCRIPTION	FRAME NO.	VOLUME 100% (m ³)	VOLUME 98% (m ³)	LCG (m-AP)	VCG (m-BL)	TCG (m-CL)	FS INERTIA
HFO/DIESEL OIL TK (P)	46-55	2,752	2,697	47,293F	21,317	18,473P	3,125
HFO/DIESEL OIL TK (S)	46-55	2,483	2,433	47,293F	21,317	18,473S	3,125
H.F.O. SETT. TANK (S)	54-54	58	57	49,480F	19,890	14,524S	397
H.F.O. SERV. TANK (S)	54-54	36	35	49,480F	19,710	14,488S	487
F.O. OVERFLOW TK. (S)	40-45	43	42	38,370F	1,430	2,738S	148
DIESEL OIL TANK (S)	46-50	255	250	43,20F	25,51	-	-
D.O. SERV. TK. (S)	50-52	14	14	45,89F	21,99	-	-
TOTALS		5,641	5,528				

LUBRICATING OIL							
TANK DESCRIPTION	FRAME NO.	VOLUME 100% (m ³)	VOLUME 98% (m ³)	LCG (m-AP)	VCG (m-BL)	TCG (m-CL)	FS INERTIA
L.O. SUMP TANK	32-49	48.4	47.4	39,48F	1.88	-	-
L.O. SETT. TANK (S)	34-37	49.1	48.1	31,95F	23.81	-	-
L.O. STOR. TANK (S)	37-40	49.1	48.1	34,65F	23.81	-	-
NO. 1 CYL. O.S.T. (S)	40-45	81.8	80.2	38,25F	23.81	-	-
NO. 2 CYL. O.S.T. (S)	45-50	81.8	80.2	42,75F	23.81	-	-
TOTALS		310.2	304				

MISCELLANEOUS							
TANK DESCRIPTION	FRAME NO.	VOLUME 100% (m ³)	VOLUME 98% (m ³)	LCG (m-AP)	VCG (m-BL)	TCG (m-CL)	FS INERTIA
BILGE TANK	14-27	59.2	58.0	47,590F	1.45	-	-
BILGE PRIM. TK. (P/A)	39-41	12.3	12.1	41,580F	17.14	-	-
BILGE PRIM. TK. (P/F)	41-43	12.3	12.1	35,190F	17.14	-	-
WASTE OIL TANK (P)	40-45	42.8	41.9	31,560F	1.43	-	-
WASTE OIL SETT. TK. (S)	30-32	9.6	9.4	24,050F	16.71	-	-
E.G.E. WASH D.T. (S)	18-26	52.2	51.2	19,790F	15.94	-	-
SLUDGE TANK (S)	46-49	7.8	7.6	19,790F	9.92	-	-
CASCADE TANK (S)	49-53	16.2	15.9	19,790F	15.80	-	-
STERN TUBE C.T.	11-16	17.1	16.6	19,790F	6.13	-	-
TOTALS		229.5	224.8				

PRINCIPAL PARTICULARS			
LENGTH (O.A.)			330.000M
LENGTH (B.P.)			315.000M
BREADTH (MLD)			58.000M
DEPTH (MLD)			29.700M
SCANTLING DRAFT (MLD)			19.500M

PRELIMINARY
FOR PROPOSAL
09 JUL 2008

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B	09JUL08	FOR PROPOSAL	<i>for</i>	<i>for</i>	TK	LB	
A	29JUN08	PRELIMINARY	DSA	RLL	AC	TK	
REV	DATE	REVISION DESCRIPTION	ORIG	CHKD	LDE	EM	

MODEC
MODEC INTERNATIONAL LLC
A Subsidiary of MODEC INC.
Houston, Texas USA

BR PETROBRAS
PETROBRAS

PROJECT: FPSO - TUPI PILOT

TITLE: TANK CAPACITY PLAN

MODEC DWG NO: 0262-MI20-0001-0110

REV: B