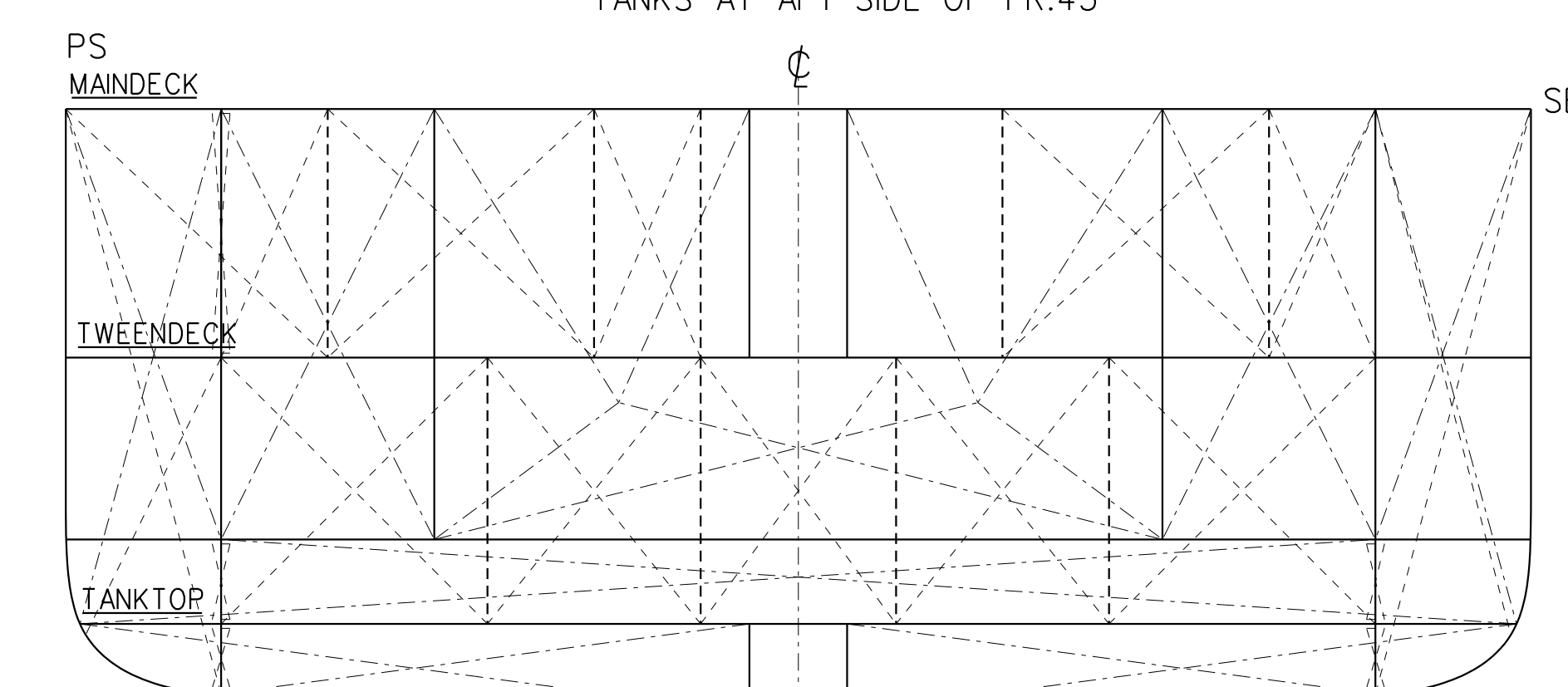
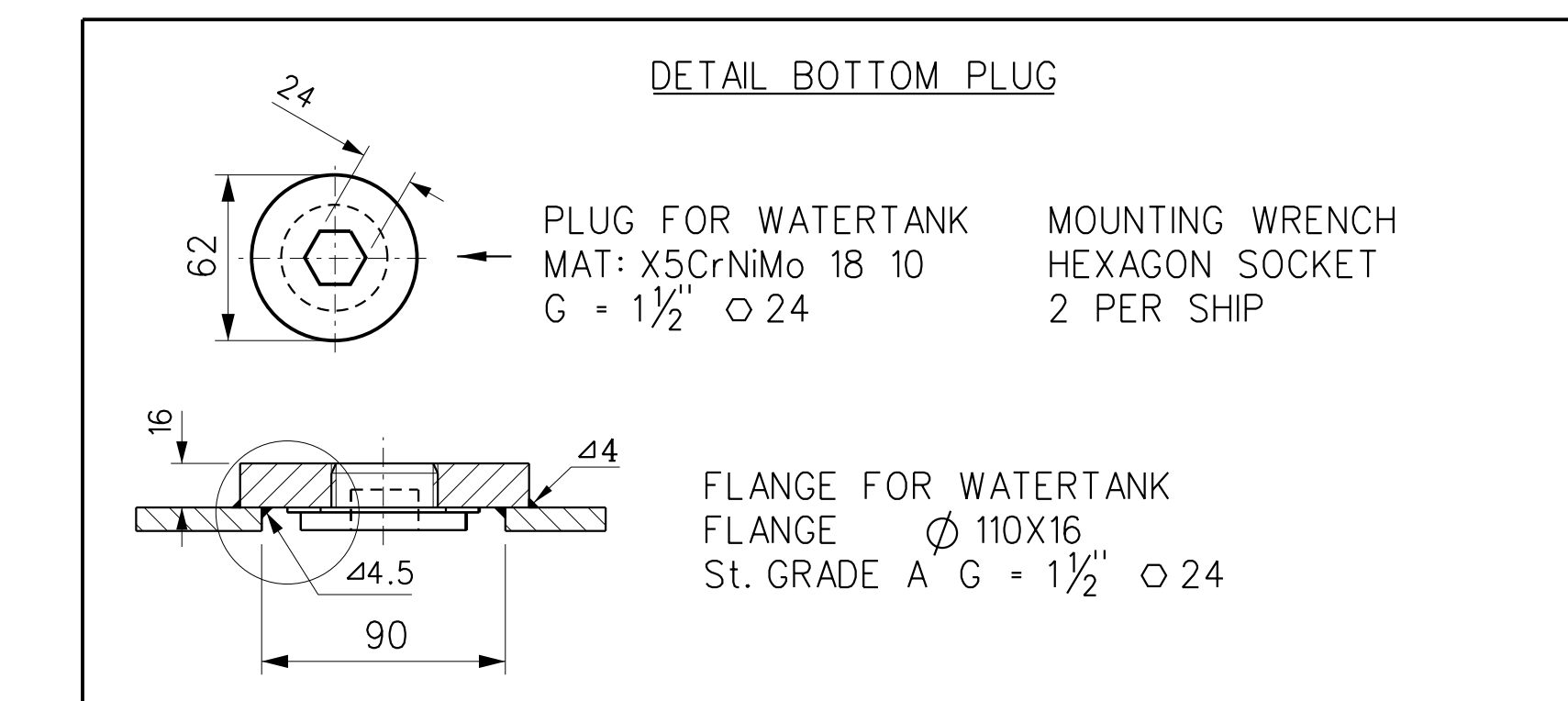


Fr. 45
SCALE 1:100

----- TANKS AT FORWARD-SIDE OF FR.45
- - - - - TANKS AT AFT-SIDE OF FR.45



■ BOTTOM PLUG WATER



NOTES:
MANHOLES:
- SEE DRAWING 132.01 sh.1 TYPE TO BE USED U.N.O.
- SEE DRAWING 132.01 sh.2 "FLUSH" INDICATED BY **
- SEE DRAWING 132.01 sh.3 "RAISED" INDICATED BY *
- SEE DRAWING 132.01 sh.4 "REC. OIL TANK" INDICATED BY REC. OIL
- SEE DRAWING 132.01 sh.5 "COVER IN DECK WITH WOOD" INDICATED BY ST. ST.
- SEE DRAWING 132.01 sh.6 "DISPERSANT TANK ST. ST." INDICATED BY ST. ST.

STEPS, ACC. YARD STANDARD 3642.04, TO BE PROVIDED BELOW MANHOLES WHERE NECESSARY
○ = MANHOLE 600x400
— = LADDER BELOW DECK
— = LADDER ABOVE DECK
- MANHOLES LOCATED IN BULKHEADS TO BE EXECUTED WITH HANDGRIP ABOVE MANHOLE ACC. TO YARD STANDARD 3388.03

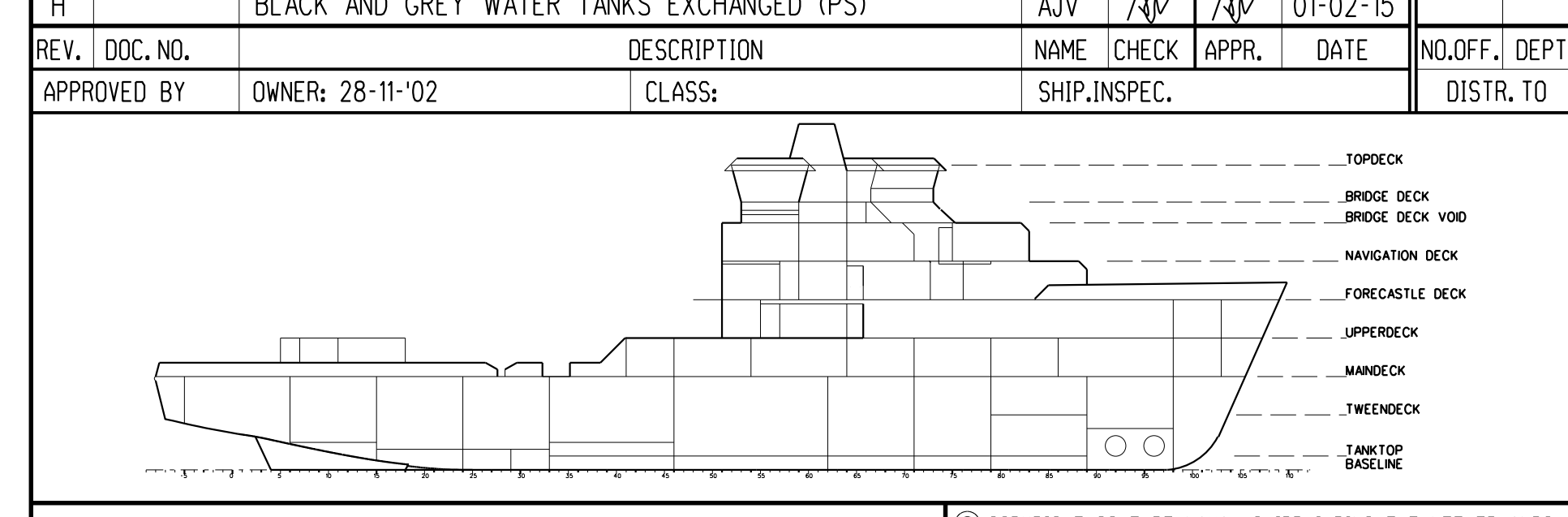
- TANKMARKINGS (HEIGHT APPROX. 100mm.) TO BE BEAD WELDED:
- NEAR BOTTOMPLUGS ON OUTSIDE OF SHELL
- ON MANHOLE COVERS
- CORNERS OF TANKS TO BE MARKED BY BEAD WELDS ON TANKTOP AND OUTSIDE OF THE SHELL (LENGTH APPROX. 100mm.)
LADDERS:
- LADDERS ACC. DRAWING 141.01 sh.01

Space id.	Name	Pos. (trans)	Pos. (long)	Volume (100%)	S.G.	Tankmark
BALLAST WATER TANKS						
081	B. W. tank 01	FP	98-FWD	92.472	1.000	BW 01
073	B. W. tank 02	C	79-89	41.856	1.000	BW 02
071	B. W. tank 03	P	79-89	46.053	1.000	BW 03
070	B. W. tank 04	S	79-89	46.053	1.000	BW 04
053	B. W. tank 05	P	59-71	59.746	1.000	BW 05
052	B. W. tank 06	S	59-71	59.586	1.000	BW 06
043	B. W. tank 07	P	45-59	76.229	1.000	BW 07
042	B. W. tank 08	S	45-59	72.044	1.000	BW 08
031	B. W. tank 09	P	33-45	52.569	1.000	BW 09
030	B. W. tank 10	S	33-45	52.569	1.000	BW 10
021	B. W. tank 11	P	15-24	58.382	1.000	BW 11
020	B. W. tank 12	S	15-24	58.382	1.000	BW 12
013	B. W. tank 13	P	15-29	41.285	1.000	BW 13
014	B. W. tank 14	S	15-29	41.285	1.000	BW 14
113	B. W. tank 17	P	AFT - 5	18.289	1.000	BW 17
112	B. W. tank 18	S	AFT - 5	18.289	1.000	BW 18
023	Heeling tank 01	P	24-33	73.986	1.000	HT 01
022	Heeling tank 02	S	24-33	73.986	1.000	HT 02
130	Roll damping tank	C	33-45	268.453	1.000	R.D.T.
FRESH WATER TANKS						
173	F. W. tank 01	P	84-89	36.576	1.000	FW 01
172	F. W. tank 02	C/S	79-89	109.651	1.000	FW 02
FUEL OIL TANKS						
133	F. O. tank 02	C	33-45	302.032	0.84	FO 04
131	F. O. tank 03	P	33-45	95.820	0.84	FO 02
132	F. O. tank 04	S	33-45	90.064	0.84	FO 03
243	F. O. daily service tank 01	P	45-47	11.525	0.84	FO DS 01
244	F. O. daily service tank 02	S	45-47	11.525	0.84	FO DS 02
145	F. O. settling tank 01	P	45-47	9.878	0.84	FO S 01
142	F. O. settling tank 02	S	45-47	9.878	0.84	FO S 02
144	F. O. overflow tank	C	45-47	9.055	0.84	FO 0
447	F. O. tank work boat	S	53.5-55	1.111	0.84	FO W B
445	F. O. tank Emerg. Diesel	S	52-53.5	1.111	0.84	FO E D
117	F. O. daily service tank DG 01	P	7-9	3.012	0.84	FO DS DG 01
118	F. O. daily service tank DG 02	S	7-9	3.012	0.84	FO DS DG 02
121	Clean Fuel Drain Tank	S	12-14	1.689	0.84	C F D T
122	Sludge and Dirty Oil Tank	P	11-14	1.648	0.84	S D O T
GREY WATER TANKS						
063	G. W. tank 01	P	71-75	17.414	1.000	GW 01
064	G. W. tank 02	S	71-79	35.625	1.000	GW 02
BLACK WATER TANKS						
065	BLACK W. tank 01	P	75-79	18.249	1.000	BLACK W 01
LUBRICATING OIL TANKS						
245	L. O. tank 01	P	45-47	4.610	0.95	LO T 01
110	L. O. tank 02	P	-3-0	3.939	0.95	LO T 02
MISCELLANEOUS TANKS						
141	Bilge retention tank	P	45-47	13.583	1.000	B R T
140	Sludge tank	S	45-47	13.583	1.000	SLUDGE T
281	Dispersant tank	P	89-93	10.584	1.000	DISP T
061	Techn. water storage tank	P	65-74	11.940	1.000	T W S T
056	Cooling water drain tank	S	61-65	5.274	1.000	C W D T
242	Waste oil tank	S	45-47	5.762	0.9	W O T
044	Dirty oil drain tank	S	54-56	0.453	0.95	D O D T
046	Fuel oil leak tank	S	56-58	0.453	0.84	F O L T
443	Hi-Fog water storage tank	S	49-51	3.210	1.000	H W S T
323	Hydr. oil storage tank	S	17-19	1.811	0.84	H O S T

LENGTH OVER ALL 82.62 m
BREADTH MOULDED 16.50 m
DEPTH TO MAIN DECK 6.80 m
DRAUGHT DESIGN 4.50 m

LR ± 100A1, -LMC, UMS, DP(AA), NAV, IBS-LIGHT TENDER / OCCASIONAL OIL RECOVERY DUTIES

REV.	DOC. NO.	DESCRIPTION	NAME	CHECK	APPR.	DATE	NO. OFF. DEPT.
C		MODIFICATIONS ACC. VTC 041 AND LADDERS IN CASINGS ADDED	J.L.			240204	
D		B.W. TANKS 11 AND 12 MODIFIED LUB. OIL TANK 02 MODIFIED; BOTTOMPLUG FR. 79 DELETED MATERIAL OF BOTTOMPLUGS CHANGED	J.L.			290704	
E		F.O. TK 01 DELETED, F.W. TK 02 MODIFIED. POSITION LADDERS/MANHOLES/BOTTOMPLUGS ADJUSTED	J.J.L.				
F		RELUME 2014 UPGRADE	S.V.L.T.S.			290414	
G		RELUME 2014 UPGRADE - Dirty oil tank DG 12-14	S.V.L.T.S.			250814	
H		RELUME 2014 UPGRADE - TANKS IN DG ROOM AFT RE-NAMED	S.V.L.T.S.			15-09-14	
		BLACK AND GREY WATER TANKS EXCHANGED (PS)	AJV			01-02-15	



SCHDELDE NAVAL SHIPBUILDING
P.O. Box 555 4380 AN Vlissingen The Netherlands

DAMEN SHIPYARDS
Avelingen West 20 - 4202 MS Gorinchem Tel.: +31-183-639111
P.O. Box 1 - 4200 AA Gorinchem Tel.: +31-183-632189
Holland Tel.: +31-183-632189

PROJECT **MENAS**
DATE OF COPY
TITLE **TANK CAPACITY, LADDER-BOTTOMPLUG & MANHOLE PLAN**

PROJ.	FORM	SCALE	DRAWING NO.	SHEET	YARD NO.	MOD.	REV.
A1		1:200	100.05	1 OF 1	394		H