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Rev.	Date	Description	Perform	Check	Appr.		
Client: CANADIAN COAST GUARD			Title: PIPE SCHEDULE				
							
 P.O. Box 9110, 3099 Barrington Street, Halifax NS, Canada B3K 5M7, Tel: 902.423.9271, Fax: 902.429.4510			MID-SHORE PATROL VESSEL				
			Format: A4		Project No.: 6097		
			Drawn By: M.Samoila		Checked By: S.Hanganu		Dwg. date: 22/07/2011
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Ship Name MID-SHORE PATROL VESSEL
Title PIPE SCHEDULE
Doc. No. AF6097-50000-04

Sheet
2 of 16
Rev AF

AF6097-25100-01 ARR.OF EXH GAS PIPING FOR MAIN ENGINES & DIESEL GENERATORS

ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
20	26.9 x 2.0	DIN 2463	ST.STEEL AISI 316L		DRAINS
50	60.3 x 4.0	DIN 2463	ST.STEEL AISI 316L	FLANGED/THREADED	WATER INJECTION SPRAY NOZZLES SPOOLS
65	76.1 x 4.0	DIN 2463	ST.STEEL AISI 316L	FLANGED/THREADED	WATER INJECTION SPRAY NOZZLES SPOOLS
125	139.7 x 3.0		STEEL	FLANGED	-
450	457 x 3.0		STEEL	FLANGED	-

AF6097-25600-01 COOLING WATER SYSTEM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
8	10 x 1.0	DIN 1755T	CuNi10 Fe1.6Mn		-
15	21.3 x 3.2	DIN 2448	STEEL 35.8	FLANGED AND SCREWED	GALVANIZED
15	25.4 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
15	20 x 1.5	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED AND SCREWED	
20	25 x 1.5	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED AND SCREWED	-
25	30 x 1.5	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED AND SCREWED	-
25	33.7 x 3.6	DIN 2448	STEEL 35.8	FLANGED AND SCREWED	GALVANIZED
25	33.7 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
25	33.7 x 8.0	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
40	48.3 x 2.6	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
40	44.5 x 1.5	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED	-
40	48.3 x 3.6	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
40	48.3 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
50	57 x 1.5	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED	-
50	60.3 x 3.6	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
50	60.3 x 4.0	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
65	76 x 2.0	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED	-
65	76.1 x 4.0	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
65	76.1 x 3.6	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
65	76.1 x 4.5	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
65	76.1 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
65	76.1 x 8.0	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
80	88.9 x 3.6	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
80	89 x 2.5	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED	-
100	108 x 2.5	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED	-
100	114.3 x 3.6	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
100	114.3 x 8.0	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
150	159 x 2.5	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED	-
150	168.3 x 5.0	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
150	168.3 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
150	168.3 x 8.0	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
200	219.1 x 3.0	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED	
250	267 x 3.0	DIN 1755T	CuNi10 Fe1.6Mn	FLANGED	-
250	273 x 8.0	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR

Ship Name MID-SHORE PATROL VESSEL
Title PIPE SCHEDULE
Doc. No. AF6097-50000-04

Sheet
4 of 16
Rev AF

6097-26400-01 LUBRICATING OIL SYSTEM

ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
20	22 x 2.0	DIN 2391	STEEL 35BK	COMPRESSION FITTINGS	
25	28 x 2.0	DIN 2391	STEEL 35BK	COMPRESSION FITTINGS	
25	33.7 x 4.0	DIN 2448	STEEL 35.8	FLANGED	
40	48.3 x 4.0	DIN 2448	STEEL 35.8	FLANGED	

Ship Name MID-SHORE PATROL VESSEL
 Title PIPE SCHEDULE
 Doc. No. AF6097-50000-04

Sheet
 5 of 16
 Rev AF

6097-50000-02 AIR PIPES AND SOUNDING DIAGRAM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
25	33.7 x 4.5	DIN2462	ST. STEEL AISI316L	FLANGED	
40	48.3 x 4.5	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
40	48.3 x 3.6	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
40	48.3 x 5.0	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
50	60.3 x 4.5	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
50	60.3 x 5.6	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
50	60.3 x 5.6	DIN2462	ST. STEEL AISI316L	FLANGED/ AXILOK	
65	76.1 x 4.5	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
65	76.1 x 6.3	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
80	88.9 x 4.5	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
80	88.9 x 6.3	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
100	114.3 x 4.5	DIN2448	STEEL 35.8	FLANGED/ AXILOK	
100	114.3 x 7.1	DIN2448	STEEL 35.8	FLANGED/ AXILOK	

Ship Name MID-SHORE PATROL VESSEL
 Title PIPE SCHEDULE
 Doc. No. AF6097-50000-04

Sheet
 6 of 16
 Rev AF

6097-52000-01 BILGE DRAINAGE AND DEWATERING SYSTEM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
15	25.4 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
20	26.9x3.2	ASTM A312	316 SST	FLANGED/SCREWED FITTINGS	
40	48.3x3.68	ASTM A312	316 SST	FLANGED	
50	60.3X3.2	ASTM A312	316 SST	FLANGED	
50	60.3 x 6.3	ASTM A312	316 SST	FLANGED	
65	76.1 x 3.2	ASTM A312	316 SST	FLANGED	
65	76.1 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
80	88.9 x 3.2	ASTM A312	316 SST	FLANGED	
80	88.9 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR

Ship Name MID-SHORE PATROL VESSEL
Title PIPE SCHEDULE
Doc. No. AF6097-50000-04

Sheet
7 of 16
Rev AF

6097-52000-02 BALLAST SYSTEM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
50	60.3 x 3.2	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED

Ship Name MID-SHORE PATROL VESSEL
Title PIPE SCHEDULE
Doc. No. AF6097-50000-04

Sheet
8 of 16
Rev. AF

6097-52600-01 SCUPPERS AND DRAINS

ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
50	60.3 x 4.0	DIN 2448	STEEL 35.8	FLANGED	CLASS III
50	60 x 3.0	DIN 1795	ALUMINIUM	N/A	CLASS III
50	60.3 x 1.6	DIN 2462	ST.STEEL AISI316L	FLANGED/AXI-LOCK	CLASS II
150	168.3 x 8.0	DIN 2448	STEEL 35.8	N/A	CLASS III
32	42 x 2.0	DIN 2462	ST.STEEL AISI316L	N/A	CLASS III

AF6097-53000-02 SANITARY FRESH WATER SYSTEM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
15	15 x 1.5	DIN1754	COPPER	UNION	CLASS III
15	20 x 1.5	DIN2462	ST.STEEL AISI316L	UNION	CLASS III
15	25.4 x 6.3	DIN2448	STEEL 35.8	FLANGED	CLASS II
20	22 x 1.5	DIN1754	COPPER	UNION	CLASS III
25	28 x 2.0	DIN2462	ST.STEEL AISI316L	UNION	CLASS III
25	33.7 x 6.3	DIN2448	STEEL 35.8	FLANGED	CLASS II
25	28 x 1.5	DIN1754	COPPER	PRESS FITTINGS	CLASS III
32	42 x 2.0	DIN2462	ST.STEEL AISI316L	UNION	CLASS III
32	42.2 x 2.0	DIN2462	St.Steel AISI316L	UNION	Class III
32	35 x 1.5	DIN1754	COPPER	UNION	CLASS III
40	42 x 1.5	DIN1754	COPPER	UNION	CLASS III

Ship Name MID-SHORE PATROL VESSEL
Title PIPE SCHEDULE
Doc. No. AF6097-50000-04

Sheet
10 of 16
Rev AF

6097-54100-01 FUEL OIL SYSTEM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
6	10 x 1.5	DIN 2391	STEEL 35BK	ERMETO - COMPRESSION	
10	15 x 2.0	DIN 2391	STEEL 35BK	ERMETO - COMPRESSION	
15	18 x 2.0	DIN 2391	STEEL 35BK	ERMETO - COMPRESSION	
20	22 x 2.0	DIN 2391	STEEL 35BK	ERMETO - COMPRESSION	
25	28 x 2.0	DIN 2391	STEEL 35BK	ERMETO - COMPRESSION	
25	33.7 x 2.3	DIN 2448	STEEL 35.8	FLANGED TYPE	
25	33.7 x 2.6	DIN 2448	STEEL 35.8	FLANGED TYPE	
32	35 x 2.0	DIN 2391	STEEL 35BK	ERMETO - COMPRESSION	
50	60.3 x 3.6	DIN 2448	STEEL 35.8	FLANGED TYPE	
65	76.1 x 3.2	DIN 2448	STEEL 35.8	FLANGED TYPE	

Ship Name MID-SHORE PATROL VESSEL
Title PIPE SCHEDULE
Doc. No. AF6097-50000-04

Sheet
11 of 16
Rev AF

6097-54900-01 RHIB GASOLINE SYSTEM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
25	33.7 x 2.0	DIN 2462	ST.STEEL AISI316L	N/A	-
25	33.4 x 3.38	ASME B36.19M	ST.STEEL ASTM A312	N/A	-
32	42.4 x 2	DIN 2462	ST.STEEL AISI316L	N/A	-
32	42.2 x 3.56	ASME B36.19M	ST.STEEL ASTM A312	N/A	-
50	60.3 x 2.0	DIN 2462	ST.STEEL AISI316L	FLANGED	-

6097-55100-01 COMPRESSED AIR SYSTEM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
8	12 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPRESSION FITTINGS	-
10	15 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPRESSION FITTINGS	-
15	18 x 2.0	DIN2462	ST.STEEL AISI316L	ERMETO COMPRESSION FITTINGS	-
15	18 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPRESSION FITTINGS	-
20	22 x 2.0	DIN2462	ST.STEEL AISI316L	ERMETO COMPRESSION FITTINGS	-
20	22 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPRESSION FITTINGS	-
25	28 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPRESSION FITTINGS	-
32	35 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPRESSION FITTINGS	-
40	42 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPRESSION FITTINGS	-

Ship Name MID-SHORE PATROL VESSEL
Title PIPE SCHEDULE
Doc. No. AF6097-50000-04

Sheet
13 of 16
Rev AF

6097-55500-03 WATER FIRE EXTINGUISHING SYSTEM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
20	25 x 2.0	DIN2462	ST.STEEL AISI 316L	WELDED / SCREWED FITTINGS	-
25	33.7x3.2	ASTM A312	316 SST	FLANGED AND SCREWED FITTINGS	
25	33.7 x 6.3	ASTM A312	316 SST	FLANGED	
32	42.2x3.2	ASTM A312	316 SST	FLANGED AND SCREWED FITTINGS	
32	42.4 x 6.3	DIN2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
40	48.3x3.68	ASTM A312	316 SST	FLANGED	
50	60.3X3.2	ASTM A312	316 SST	FLANGED	
65	76.1 x 6.3	ASTM A312	316 SST	FLANGED	

Ship Name MID-SHORE PATROL VESSEL
Title PIPE SCHEDULE
Doc. No. AF6097-50000-04

Sheet
14 of 16
Rev AF

6097-56100-02 STEERING SYSTEM SCHEMATIC OF THE HYDRAULIC SYSTEM

ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
8	12 x 2.0	DIN 2391	STEEL 37.4 DIN1630	EREMETO UNION	CLASS III
15	20 x 2.0	DIN 2391	STEEL 37.4 DIN1630	EREMETO UNION	CLASS I
15	22 x 2.0	DIN 2391	STEEL 37.4 DIN1630	EREMETO UNION	CLASS I
20	25 x 2.0	DIN 2391	STEEL 37.4 DIN1630	EREMETO UNION	CLASS III
25	28 x 2.0	DIN 2391	STEEL 37.4 DIN1630	EREMETO UNION	CLASS I

6097-59300-02 BLACK GREY WATER AND SANITARY FLUSHING SYSTEM

ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
15	25.4 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
15	21.3 x 2.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
15	21.3 x 4.0	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
20	26.9 x 2.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
25	33.7 x 1.6	DIN 2462	ST.STEEL AISI 316L	FLANGE OR AXI LOCK PIPE COUPLING	
25	33.7 x 2.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
32	42.4 x 1.6	DIN 2462	ST.STEEL AISI 316L	FLANGE OR AXI LOCK PIPE COUPLING	
32	42.4 x 2.6	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
40	48.3 x 3.6	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
40	48.3 x 1.6	DIN 2462	ST.STEEL AISI 316L	FLANGE OR AXI LOCK PIPE COUPLING	
50	50 x 1.0	Blücher	ST.STEEL AISI 316L	BLÜCHER PRESS FITTINGS	
50	60.3 x 3.6	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED
50	60.3 x 6.3	DIN 2448	STEEL 35.8	FLANGED	GALVANIZED CLASS II LR
50	60.3 x 1.6	DIN 2462	ST.STEEL AISI 316L		

Ship Name MID-SHORE PATROL VESSEL
Title PIPE SCHEDULE
Doc. No. AF6097-50000-04

Sheet
16 of 16
Rev. AF

6097-59300-04 OILY WASTE SYSTEM					
ND	SIZE	STANDARD	MATERIAL GRADE	DEMOUNTABLE JOINTS	REMARKS
15	18 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPPRESION FITTINGS	-
20	26.9 x 3.2	DIN 2448	STEEL 35.8	FLANGED	-
20	22 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPPRESION FITTINGS	-
25	28 x 2.0	DIN 2391	STEEL 35BK	ERMETO COMPPRESION FITTINGS	-
50	60.3 x 3.6	DIN 2448	STEEL 35.8	FLANGED	-