

PRODUCTION INFORMATION PACKAGE - BILGE SYSTEM (FMR STBD) PUMP No. 4									
BILGE PUMP (FER STBD)- PUMP No. 4- DOCUMENT LIST									
Document No.	REV	Document Name							
2639-AMS-E06-80304-SPL-0001-001	0	Piping Fabrication Spool Drawing - Spool 80304-SPL-0001							
2639-AMS-E06-80304-SPL-0002-001	0	Piping Fabrication Spool Drawing - Spool 80304-SPL-0002							
2639-AMS-E06-80304-SPL-0003-001	1	Piping Fabrication Spool Drawing - Spool 80304-SPL-0003							
2639-AMS-E06-80304-SPL-0004-001	1	Piping Fabrication Spool Drawing - Spool 80304-SPL-0004							
2639-AMS-E06-80304-IN-0001-001	3	BILGE PUMP (FER STBD) – Pump No. 4 Installation							
2639-AMS-E06-80304-RM-0001-001	0	BILGE PUMP (FER STBD) – Pump No. 4 Removal							
2639-AMS-E06-26304-RN-0001-001	1	BILGE PUMP (FER STBD) – Pump No. 4 Renewal							
2639-AMS-E06-26304-PS-0001-001	0	BILGE PUMP (FER STBD) – Pump No. 4 Pipe Supports							
INSTALLATION MATERIALS									
TYPE	DESCRIPTION						QTY	UNIT	MATERIAL REF
PUMP	PUMP P-04 BILGE PUMP (FMR STBD) HAMWORTHY						1	ea	E0006-8
FAB SPOOL	PIPE SPOOL 80304-SPL-0001-001						1	ea	NA
FAB SPOOL	PIPE SPOOL 80304-SPL-0002-001						1	ea	NA
FAB SPOOL	PIPE SPOOL 80304-SPL-0003-001						1	ea	NA
FAB SPOOL	PIPE SPOOL 80304-SPL-0004-001						1	ea	NA
FLANGE	6" FLANGE SO ANSI B16.5 CL150 FF ASTM A105						3	ea	2639-E0006-13.11
GASKET	6" GASKET B16.21 CL150 FF 3mm THK DURLON 8300						7	ea	2639-E0006-13.19
GASKET	5" ISOLATION KIT EN 1092-1 PN16 3mm THK DURLON IGUARD 8500 TYPE E						1	kit	2639-E0006-13.15
GASKET	6" ISOLATION KIT EN 1092-1 PN16 3mm THK DURLON IGUARD 8500 TYPE E						1	kit	2639-E0006-13.16
BOLTS/NUTS	3/4"x4 1/4"LG HEX BOLT B18.2.1 ASTM A193 GR 5, ZINC PLATED C/W HVY HEX NUT B18.2.2 ASTM A194 GR 5 ZINC PLATED						56	ea	
BOLTS/NUTS	M16x70mm LG HEX BOLT EN1515-4 EN ISO 898-1 GR 5 ZINC PLATED C/W HVY HEX NUT EN 20898-2 GR 5 ZINC PLATED						8	ea	
BOLTS/NUTS	M20x80mm LG HEX BOLT EN1515-4 EN ISO 898-1 GR 5 ZINC PLATED C/W HVY HEX NUT EN 20898-2 GR 5 ZINC PLATED						8	ea	
BOLTS/NUTS	M20x65mm LG HEX BOLT ASME B18.2.3.5M ASTM A449 TYPE 1 GR 5 ZINC PLATED C/W HVY HEX NUT ASME B18.2.4.1M ASTM A536 GR 5 ZINC PLATED AND 2 FLAT WASHERS ASME B18.22M ASTM F844 GR 5 ZINC PLATED						3	ea	
FITTING	ADAPTER THRD 3/4"BSPP(M)x3/4"NPT(F) HEX, ASME B1.20.3, 316 SS, C/W SEAL RINGS (McMASTER CARR P/N 4822T352 OR EQ.)						2	ea	
FITTING	ADAPTER THRD 3/8"BSPP(M)x3/8"NPT(F) HEX, ASME B1.20.3, 316 SS, C/W SEAL RINGS (McMASTER CARR P/N 4822T344 OR EQ.)						1	ea	
FITTING	PLUG PIPE THRD 3/4"NPT SQR HEAD HEX, ANSI/MSS SP-114, ASTM A351, 316 SS, (McMASTER CARR P/N 4452K125 OR EQ.)						2	ea	
FITTING	PLUG PIPE THRD 3/8"NPT SQR HEAD HEX, ANSI/MSS SP-114, ASTM A351, 316 SS, (McMASTER CARR P/N 4452K123 OR EQ.)						1	ea	
VALVE	VALVE 80304-VLV-001-RIS (EXISTING)						1	ea	NA
FOUNDATION RENEWAL MATERIALS									
TYPE	DESCRIPTION						QTY	UNIT	MATERIAL REF
PLATE	12mm PLATE, CARBON STEEL, GRADE A						8	kg	
PLATE	20mm PLATE, CARBON STEEL, GRADE A						70	kg	
PIPE FABRICATION MATERIALS									
TYPE	DESCRIPTION						QTY	UNIT	MATERIAL REF
FITTING	150mm ELBOW 45DEG ANSI B16.9 BW SCH80 ASTM A234 WPB						1	ea	
FITTING	150mm ELBOW 90DEG SR ANSI B16.9 BW SCH80 ASTM A234 WPB						2	ea	
FITTING	150mm ELBOW 90DEG LR ANSI B16.9 BW SCH80 ASTM A234 WPB						3	ea	2639-E0006-13.4
FITTING	150mmx125mm REDU ECC ANSI B16.9 BW SCH80 ASTM A234 WPB						1	ea	2639-E0006-13.22
FITTING	150mm TEE ANSI B16.9 BW SCH80 ASTM A234 WPB						2	ea	2639-E0006-13.25
FLANGE	125mm FLANGE SO ANSI B16.5 CL150 FF ASTM A105						3	ea	2639-E0006-13.10
FLANGE	150mm FLANGE SO ANSI B16.5 CL150 FF ASTM A105						6	ea	2639-E0006-13.11
FLANGE	150mm FLANGE SO EN 1092-1 TYPE 1 FF PN16 ST 37.2						1	ea	2639-E0006-13.8
PIPE	150mm PIPE ASME B36.10M PE SMLS SCH80 ASTM A106 GR.B						3.2	m	2639-E0006-13.28
PIPE SUPPORT MATERIALS									
TYPE	DESCRIPTION						QTY	UNITS	MATERIAL REF
ANGLE	76x76x9.5 ANGLE, GRADE A						0.388	m	
ANGLE	76x76x9.5 ANGLE, GRADE A						0.394	m	
ANGLE	76x76x9.5 ANGLE, GRADE A						0.281	m	
HARDWARE	U-BOLT 6in W/4 HEX NUTS ZINC PLATED						1	ea	
NOTES:									
1. THESE QUANTITIES ARE EXACT QUANTITIES FOR DRAWINGS IN THIS PUMP PACKAGE.									
2. EXISTING VALVES AND PIPING COMPONENTS TO BE RE-USED LISTED FOR REFERENCE.									
3. AN UNCONTROLLED EXCEL VERSION OF THESE MATERIAL LISTS WILL ALSO BE PROVIDED TO THE CLIENT.									
4. ALL MISSING MATERIAL REF. NO.S TO BE UPDATED BY CDCI IF NEEDED									
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DRAUGHTING TITLE: BILGE SYSTEM (FMR STBD) PUMP No. 4 PRODUCTION INFO PACKAGE									
PROJECT NO.: 2639			JOB SPEC. NO.: E06			DATE (YY/MM/DD): 2022-03-09			
DRAWN BY: MB			CHECKED BY: RS			APPROVED BY: TB			
DRAWING NO.: 2639-AMS-E06-80304-PIP-0001-001									
REV. 2									
REVISION HISTORY									
REV	DATE (YY/MM/DD)	DESCRIPTION				DWN	CHK	APP	
2	2022-04-11	RE-ISSUED FOR CONSTRUCTION				MB	RS	TB	
1	2022-03-23	RE-ISSUED FOR CONSTRUCTION				MB	RS	TB	
0	2022-03-09	ISSUED FOR CONSTRUCTION				MB	RS	TB	
REFERENCE DRAWINGS									
NO.	DRAWING NO.				DRAWING TITLE				REV
1	2				3				4