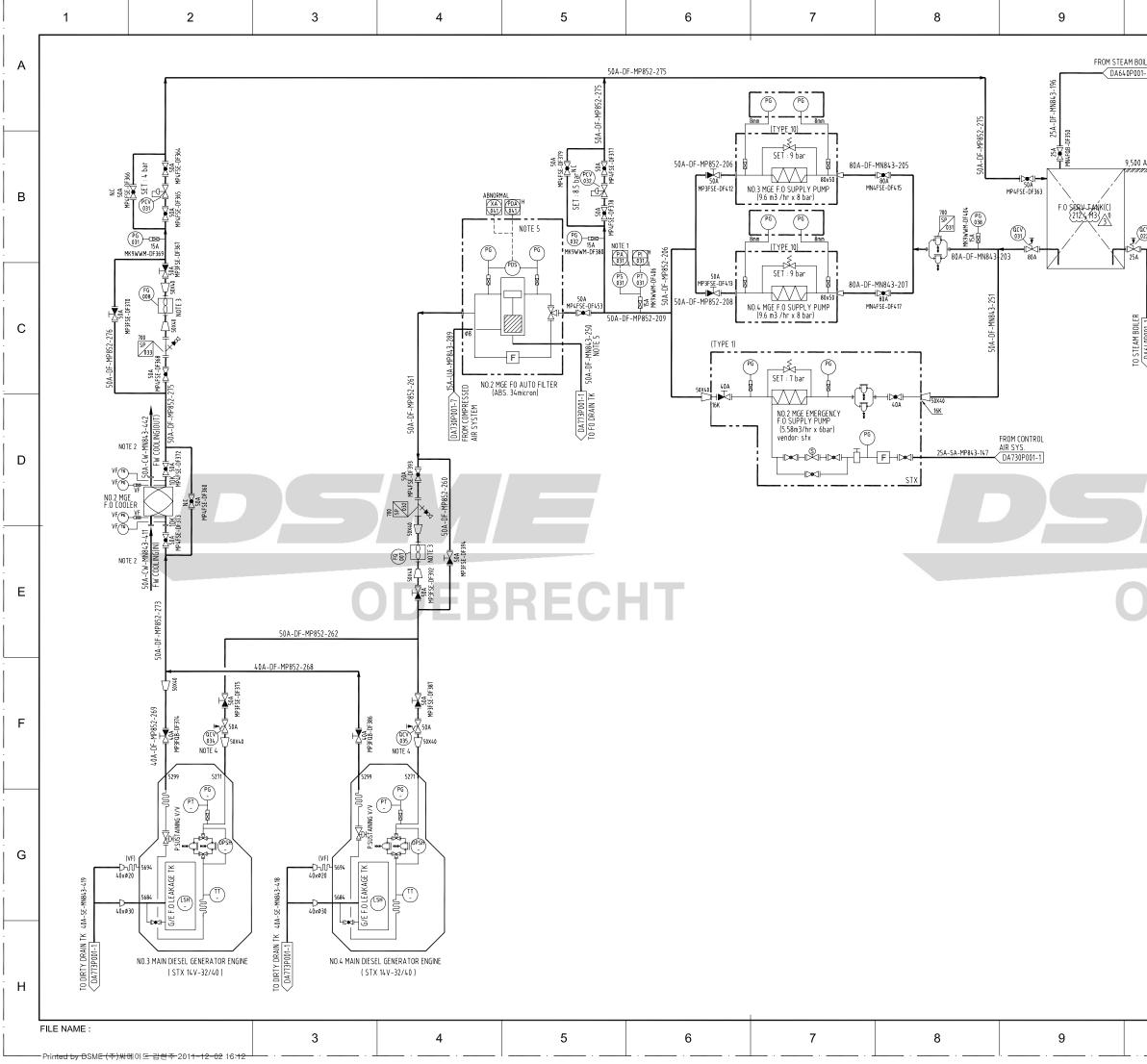
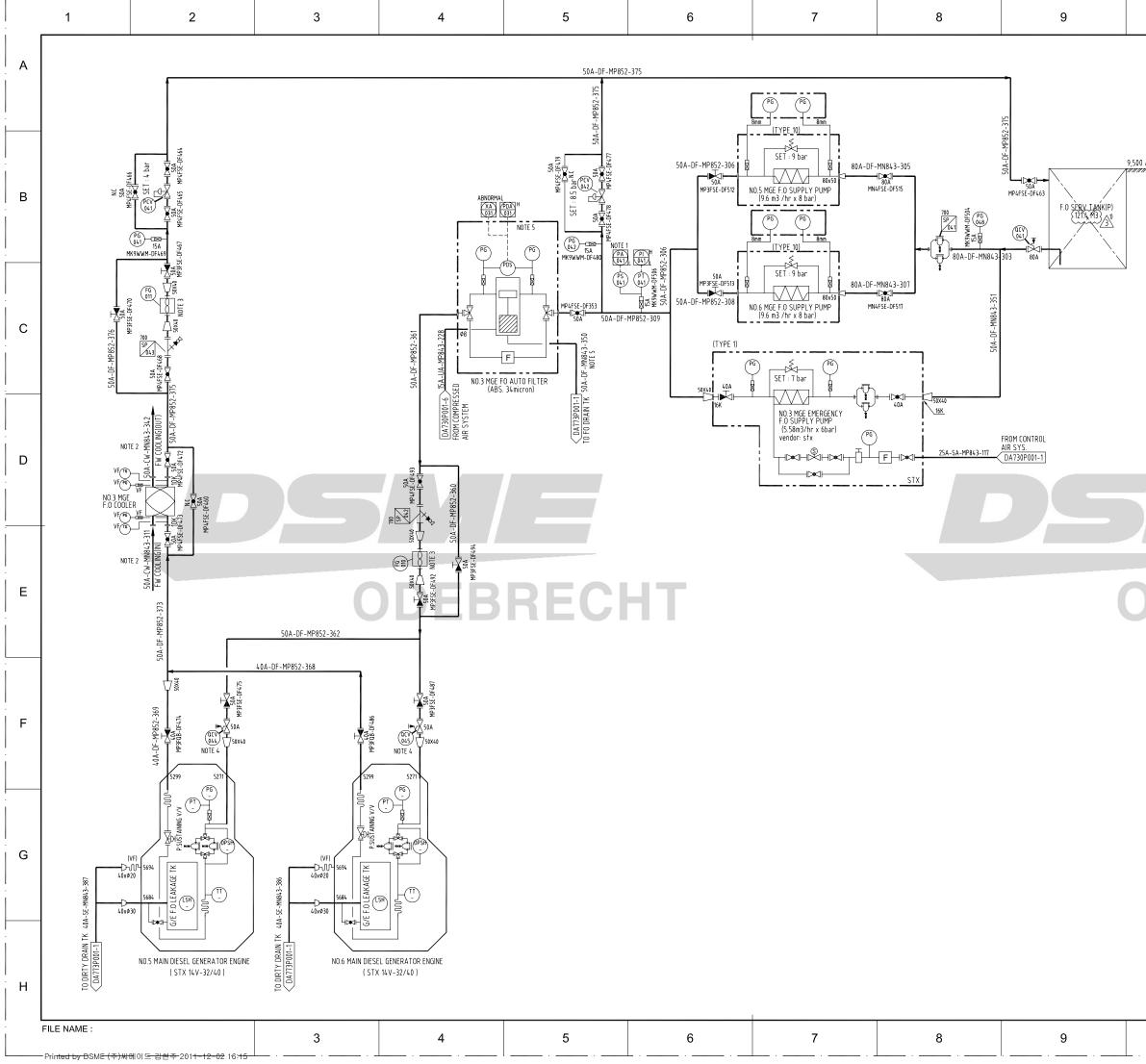


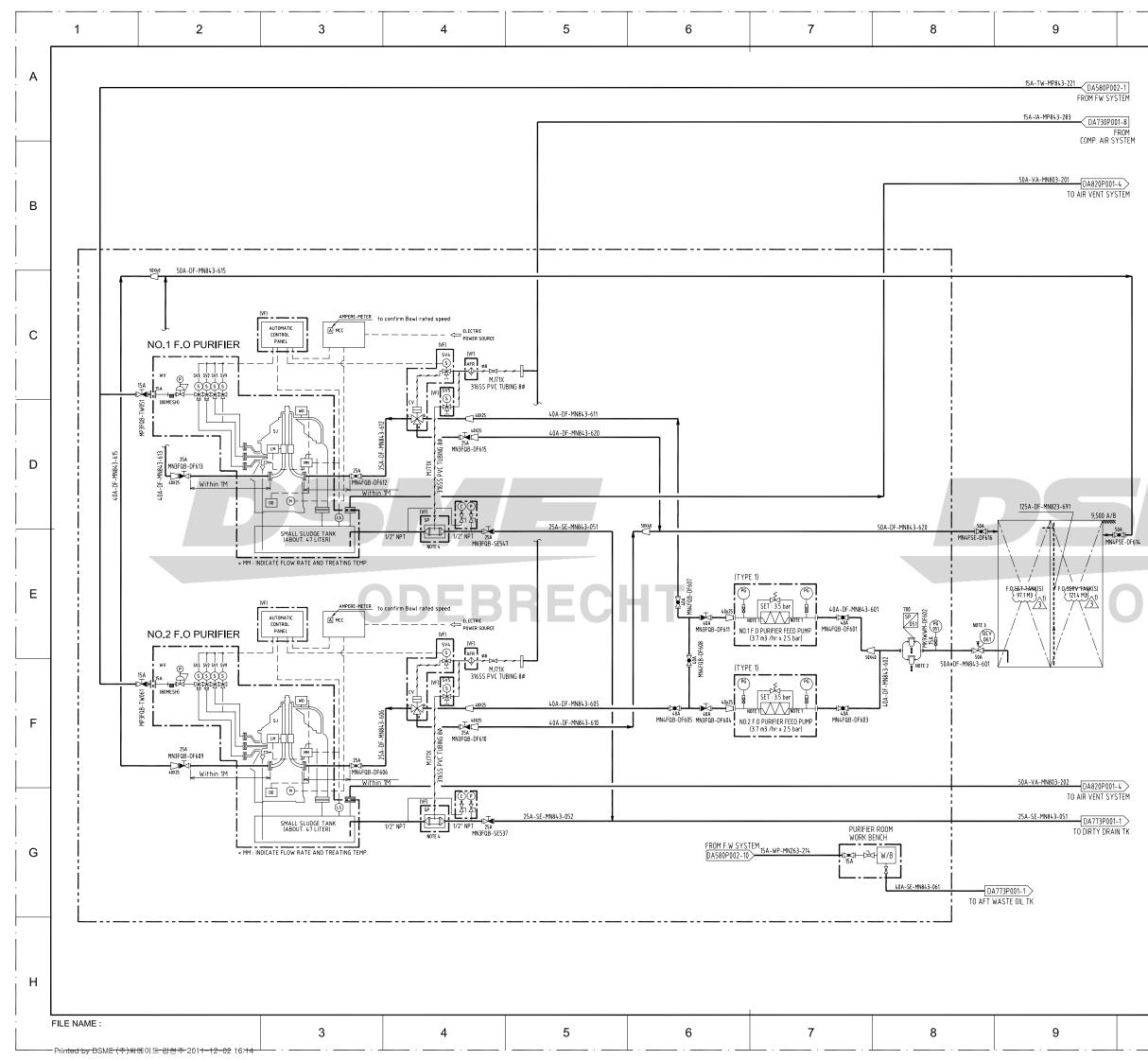
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G1) SPRAY S OTHER F ABOVE C SYSTEM	LANGED OR TH	0 BE FITTED . IREADED CONI 0F HIGH TEM 1 TO A MINIMU	AROUND FLANGED JOI VECTIONS IN FUEL OIL PERATURE. ALSO THE M.	PIPING SY	STEM WHI	CH ARE L	OCATED	А
								В
NOTES	STANDBY PL	MP RUNNING						
3) ROTAR 4) QCV-02 5) SLUDGE FLUSHI FLUSHI	O DA722P001 (DISPLACEME 4/025-DA730) DISCHARGE(F IG TIME(SEC) : (G INITIATED : SUMPTION PEI	NT TYPE WITH 2001-8 LUSHING)-10 L 4-5 SEC AT 0.6 BAR						С
-	<u>ON HISTOI</u> D CAPACITY.(2							D
DI		/ 3 F	REG	C	Н	1	-	E
D		BF	REG		YPE		PACITY	E
651-DE-100-A	DE: /B N0.1/2 N0.1 M0	SCRIPTION MAIN DIESEL GE IE F.O SUPPLY L	NERATOR ENGINE	T 	TYPE KAGE	7000 H -	<w< td=""><td>E</td></w<>	E
	DE: /B N0.1/2 N0.1 M0 N0.1 M0 /B N0.1/2	SCRIPTION MAIN DIESEL GE	NERATOR ENGINE INIT :0 PUMP	T - PAC SCR SCR	TYPE KAGE EW	7000 H - 5.58m	(W 3/h x 6bar /h x 7bar	E
651-DE-100-A 651-PP-100-A 651-PP-110-A	DE: /B N0.1/2 N0.1 M0 /B N0.1 M0 /B N0.12 N0.1 M0 /B N0.12 X N0.1 M0 2.02 ISSU	SCRIPTION MAIN DIESEL GE IE F.O SUPPLY L IE EMERGENCY F MGE F.O SUPPL'	NERATOR ENGINE INIT () PUMP FUMP VISION	T - PAC SCR SCR	YPE KAGE EW EW	7000 H - 5.58m 9.6m3	(W 3/h x 6bar /h x 7bar	
651-DE-100-A 651-PP-100-A 651-PP-110-A 703-HE-500-A 3 2011.1	DE: /B N0.1/2 N0.1 M0 N0.1 M0 /B N0.1/2 N0.1 M0 2.02 ISSU 3.18 ISSU 0.29 ISSU	SCRIPTION MAIN DIESEL GE 16 E FO SUPPLY I 16 E MERGENCY S MGE F 0 SUPPL' 16 F 0 COOLER ED F 0R RE' ED F 0R RE' ED F 0R RE'	NERATOR ENGINE INIT O PUMP (PUMP VISION VISION	T - PAC SCR SCR PLA YKR	YPE KAGE EW EW TE TYPE YKR	7000 H - 5.58m 9.6m3	<w 3/h x 6bar /h x 7bar V HCL</w 	
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651-DE-100-A 651-PP-100-A 651-PP-110-A 703-HE-500-/ 3 2011.1 2 2011.0 1 2010.1 0 2010.0 A 2010.1 REV. DA	DE: /B N0.1/2 N0.1 M(N0.1 M(/B N0.1/2 N0.1 M(/B N0.1/2 N0.1 M(/B N0.1/2 N0.1 M(/B N0.1/2 N0.1 M(N0.1 M	SCRIPTION MAIN DIESEL GE EF O SUPPLY ISE EMERGENCY F MGE F O SUPPLY ISE FO COOLER ED FOR RE' ED FOR RE' ED FOR RE' ROVED FOR ED FOR AP	NERATOR ENGINE INIT O PUMP V PUMP VISION VISION VISION CONSTRUCTION	T PAC SCR SCR PLA YKR YKR YKR YKR	YPE KAGE EW EEW TE TYPE TLJ TLJ HSP	7000 H - 5.58m 9.6m3 85 KV HCL	kw 3/h x 6bar /h x 7bar v HCL HCL SDH SDH	
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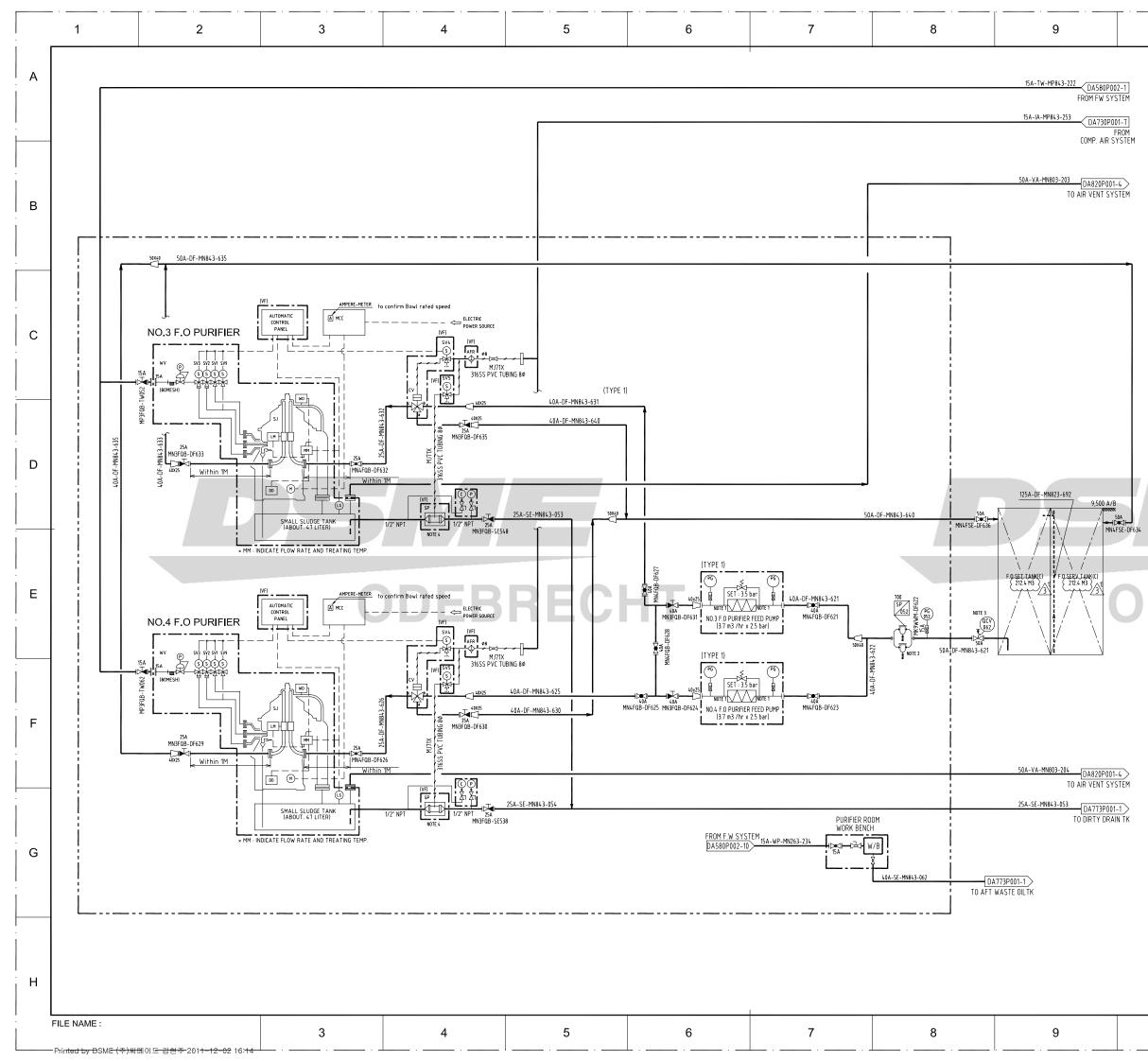
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BOILER 101-1		TO BE FITTED / THREADED CON TS OF HIGH TEM PT TO A MINIMU	NECTIONS IN FUEL OIL F PERATURE. ALSO THE	PIPING SY	STEM WHI	CH ARE LOCATED	A .
	<u>NOTES</u> 1) LOW TO STANDBY	PUMP RUNNING					в
DA640P001-1	 2) REFER TO DA722P0 3) ROTARY DISPLACEI 4) QCV-034/035-DA7 5) SLUDGE DISCHARGE FLUSHING TIMEISEC FLUSHING INITIATEE AIR CONSUMPTION I 	MENT TYPE WITH 30P001-7 E(FLUSHING)-10 L) : 4-5 SEC) : AT 0.6 BAR	ITER				С
	<u>REVISION HIST</u> 1) MODIFIED CAPACITY						D
	DEI	BF	REG	0	Η	Т	E
	651-DE-100-C/D N0.3 651-PP-100-B N0.2 651-PP-100-B N0.2 651-PP-100-C/D N0.3 703-HE-500-B N0.2 3 2011.12.02 ISS	DESCRIPTION 1/4 MAIN DIESEL GE MGE F.O. SUPPLY I MGE EMERGENCY F 1/4 MGE F.O. SUPPL MGE F.O. COOLER SUED FOR RE	unit f.o.pump y pump y pump VISION	- PAC SCR SCR PLA	ew te type YKR	CAPACITY 7000 KW - 5.58m3/h x 6ba 9.6m3/h x 7bar 85 KW HCL	F
	1 2010.10.29 ISS 0 2010.07.23 AP	SUED FOR AP	VISION CONSTRUCTION	YKR YKR YKR YKR DWN	TLJ TLJ HSP HSP снк	HCL SDH HCL SDH HCL SDH CHIEF APPB	G
	3610 Y.	(TEL.7930) K.ROH DRE SYSTEM GN TEAM	TITLE : PIPING & INSTF PID OF FUEL OI SERVICE-C DATE SCALE 2011.12.02 NON	L SYSTE	NO. DA700		H



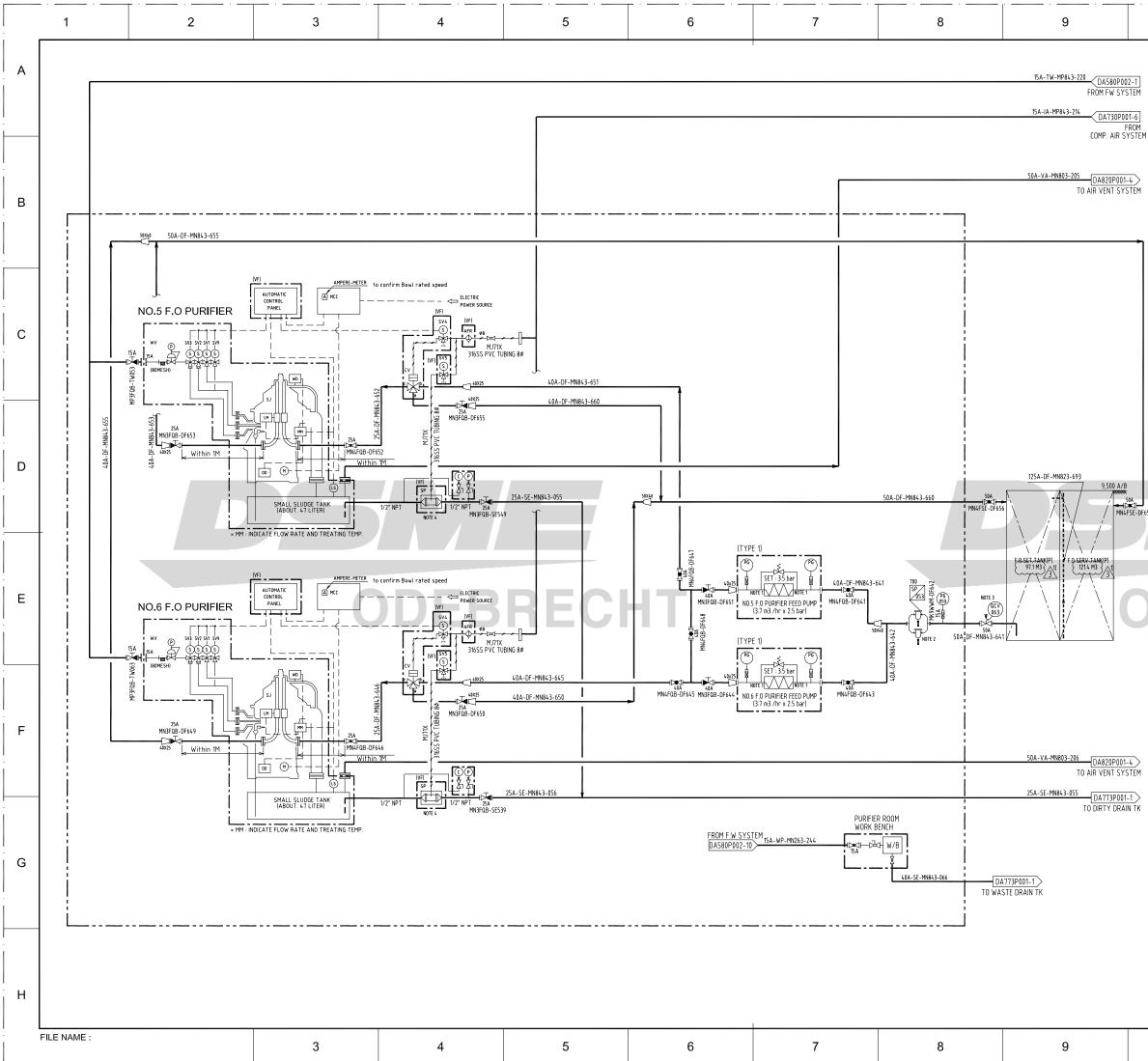
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	OTHER FLANGED OR T	TO BE FITTED AROUND FLANGED JOIN HREADED CONNECTIONS IN FUEL OIL P S OF HIGH TEMPERATURE. ALSO THE I TT O A MINIMUM.	IPING SYSTEM WHICH A	RE LOCATED	A .
A/B	<u>NOTES</u> 1) Low to standby P				B
	 4) QCV-044/045-DA730 5) SLUDGE DISCHARGE(F FLUSHING TIME(SEC) FLUSHING INITIATED 	ENT TYPE WITH LOCAL COUNTER. DP001-6 FLUSHING)-10 LITER : 4-5 SEC			C
	<u>REVISION HISTO</u> 1) MODIFIED CAPACITY.				D
	DEE	BREG	CH.	Т	E
	651-DE-100-E/F N0.5/ N0.3 N 651-PP-100-C N0.3 N 651-PP-110-E/F N0.5/ 703-HE-500-C N0.3 N	ESCRIPTION 6 MAIN DIESEL GENERATOR ENGINE 4GE F.O SUPPLY UNIT 4GE EMERGENCY F.O PUMP 6 MGE F.O SUPPLY PUMP 4GE F.O COOLER JED FOR REVISION	PACKAGE - SCREW 5 SCREW 9	CAPACITY 1000 KW 158m3/h x 6bar 16m3/h x 7bar 85 KW HCL	F
	2 2011.03.18 ISSU 1 2010.10.29 ISSU 0 2010.07.23 APP	JED FOR REVISION JED FOR REVISION ROVED FOR CONSTRUCTION JED FOR APPROVAL	YKR TLJ YKR TLJ HC YKR HSP HC YKR HSP HC	HCL IL SDH IL SDH	G
		EL.7930) TITLE: PIPING & INSTR PID OF FUEL OIL SERVICE-P DATE 2011.12.02 SCALE	DWG.NO.	ING &	H



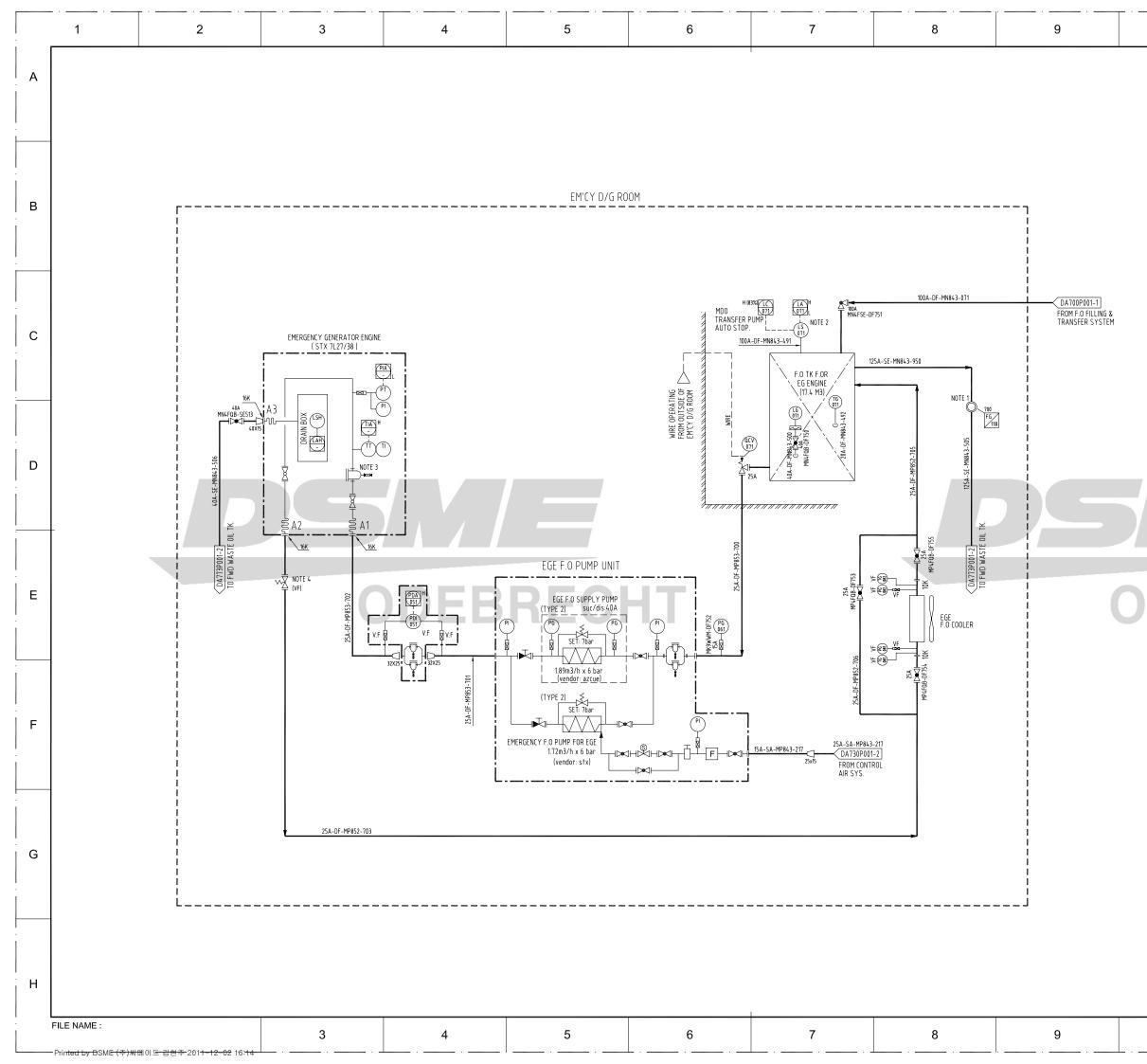
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BENDING AND AS	S LINE AND DISCHA S STRAIGHT AS PO ALL BE RUNNING (ARGE LINE TO F.O STORAG DSSIBLE. CONTINUOUSLY WITH AN				
1) T" BSP 2) 32 MESH 3) QUICK CLOSING V/ 4) FLEXIBLE HOSE TO <u>REVISION HI</u> 1) MODIFIED CAPACIT 1. EQUIPMENTS 5.J SELF EJECTOR	I BE INCLUDED INSI <u>STORY</u> (2011.07.12) (OIL PURIFIER)	2. CONNECTION	S INLET		;) Jum L.O tank)	в
WV (SV1, SV2, SV3, S MM MULTI-MONITOR (including LM, D LM PRESSURE SEN DD REVOLUTION SE WD PRESSURE SEN AFR AIR FILTER REG TT TEMP. TRANSM FOR TEMP. HIG CV 3-WAY CYLINDEF F.OR OIL FEEDING	R D. WD function) SOR F.OR LM FUNCT INSOR F.OR DD FUN SOR F.OR WD FUNC ULATOR ITTER H/LOW ALARM R VALVE & CIRCULATION	R B PURIFIED (F.0 : forsigned) C SLUDGE & ION D AIR VENT CTION E WATER IN TION F COMPRESS G CIRCULAT G	DIL OUTLET ervice tank, WATER OU LET(0.5 – 0. SED AIR INLE MPa (5.0 –	L.O : to L.C TLET 72 MPa (5.0 :T 9.9 Kg/cm ²))	- 7.2 Kg/cm ²))	C
SV5	1 F.O PURIFIER A 702–SV–105–A 702–PCV–101–A 702–PCV–101–A 702–PG–101–A 702–PP–100–A 702–SV–104–A	No. 2 F.O PURIFIER B 702-SV-105-B 702-PCV-101-B 702-CV-101-B N/A 702-PG-101-B 702-PG-101-B 702-PP-100-B 702-SV-104-B				D
SYM SYMBOL ⋈ GLOBE VALVE ⋈ S.D.N.R GLOBE ⋈ S.D.N.R GLOBE ⋈ STOP VALVE ⋈ STOP VALVE ⋈ STOP VALVE ⋈ S.WAY TEST C └ CHECK VALVE ⋈ NEEDLE VALVE		SYMBOL NAME BUTTERFLY VALVE B-WAY CYLINDER V/V B-WAY SOLENOID V/V AIR FILTER DORIFICE STRAINER SIMPLEX OIL STRAINER	C COP CO C	SYMBOL SSURE GAU IPOUND GAU YEL SWITCH TOR SLUDGE,DR LINE PILLARY LIN	IGE JGE AIN, WATER	E
702-PP-110-A/B	DESCRIPTION NO.1/2 F.O PURIFIER NO.1/2 F.O PURIFIER		TYF CENTRI SCREW	FUGAL	CAPACITY 3.7m3/h 3.7m3/h x 2.5ba	F
2 2011.03.18 1 2010.10.29 0 2010.07.23	ISSUED FOR RI ISSUED FOR RI ISSUED FOR RI APPROVED FO ISSUED FOR A	EVISION EVISION IR CONSTRUCTION	YKR YKR YKR	HSP H HSP H	HCL HCL CL SDH CL SDH CL SDH CL SDH	G
	I BY (TEL.7930) Y.K.ROH SHORE SYSTEM JESIGN TEAM	TITLE: PIPING & INSTR FUEL OIL SYSTE M.D.O PURIFYIN DATE SCALE 2011.12.02 NON		5	DING &	H



ENERAL NOTES Construction A 05 FERENCE NO. ASS. INC. AND DECLARACE LINE TO F.0.S TORAGE TANK SHOULD BE KEPT MINIMAR A 05 FERENCE NO. ASS. INC. AND DECLARACE LINE TO F.0.S TORAGE TANK SHOULD BE KEPT MINIMAR A 05 FERENCE NO. ASS. INC. AND REAL PROSP. B 05 FERENCE NO. ASS. INC. AND REAL PROSP. B 05 FERENCE NO. ASS. INC. AND REAL PROSP. B 05 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 06 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 06 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 06 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 06 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 17 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 18 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 18 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 18 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 19 FERENCE NO. ASS. INC. AND REAL PROPERTIES B 10 RECOUNTER PROPERTIES CONSTRUCTION REAL PROPERTIES 10 RECOUNTER PROPERTIES DECLARACE NO. AND REAL PROPERTIES 10 RECOUNTER PROPERTIES DECLARACE NO. AND REAL PROPERTIES 10 RECOUNTER PROPERTIES	10			11					1	2	
1 + R5P 31 22 KSH 31 2	G1) EVERY BY-F BENDING ANI G2) F.O PURIFIER G3) ALL QCV : Ni	ASS LINE AND D AS STRAIGHT SHALL BE RUN	AS POSSIB INING CONT	BLE.							A
S1 SLIF FJECTOR 00.0 PUBPRED WW 00120703 (S) WH A W1 OUDDO VALVE WIT FOR WATER INVESTOR 503 (WH A W1 PUBPRED 01.0UTLET FOR WATER WW 01.00.00 (LATENDO DE REVUENDESSNER FOR DE LINETANTION DO REVUENDESSNER FOR DE LINETANTION DO REVUENDESSNER FOR NO FUNCTION WO PRESSNER SENSOR FOR NO FUNCTION WO PRESSNER SENSOR FOR NO FUNCTION WATER AT LITE REGULATION SP 5100CE EDENKE VALVE V 300 (LEEDON & 4 CROLATION SP 5100CE EDENKER VALVE V 300 (LEEDON & 4 CROLATION SP 702-5V-95-5V-95-C 702-5V-95-C SV 300 (LEEDON & 4 CROLATION SP 702-5V-95-C SV 300 (LAEVE VALVE SP 702-5V-95-C SV 4000 (LAEVE VALVE SP 702-5V-95-C SV 4000 (LAEVE VALVE SP	1) 1" BSP 2) 32 MESH 3) QUICK CLOSING 4) FLEXIBLE HOSE <u>REVISION</u>	TO BE INCLUDE	:D INSIDE P			T, SUC	CTIO	N, DISCHA	RGE)		В
Image: Sole Biology Value Wulf F (R) WATER Will State System If 6.9. from aething task, 1.0. to 1.0 task) Image: Sole Model System Image: Sole Model Network Tests (F) 1.5 sole System F (R) 1.0 to 1.0 task) Image: Sole Model Network Tests (F) 1.5 sole System F (R) 1.0 to 1.0 task) Image: Sole Model Network Tests (F) 1.5 sole System F (R) 1.0 to 1.0 task) Image: Sole Model Network Tests (F) 1.5 sole System F (R) 1.5 sole F (R) 1.5			1				T				
B B Definition B Definition Defini	WV SOLENOID V	ALVE UNIT F.OR			(F.0 : fro	m sett	ling		from L.O	tank)	
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D0 REVOLUTION SENSOR F OR DD FUNCTION MORESSURE SENSOR F OR WD FUNCTION AFR ALR FITER EGULATOR TT TEPP TRANSMITTER TO TOPESSURE SENSOR TO RUE YDIALTON AFR ALR FITER EGULATOR TT TEPP TRANSMITTER TO TOPE INGULA MARKAN VC 3-00 MP ESS D AR NUET US - 93 MP ESS D AR NUET US - 93 MP ESS D - 95 Kg/cm ²) G (CRULATION S SUDDE DELIVERY FUMP C C C Structure XALVE TO TOPE INGULA MARKAN VC 3-00 MP ESS D AR NUET US - 93 MP ESS D - 90 Kg/cm ² D - 90 A D AR NUE D - 100 A D AR F D AR NUET US - 93 MP ESS D - 90 Kg/cm ² D - 90 A D AR NUE D - 100 A D AR F D AR NUET US - 90 MP ESS D - 90 Kg/cm ² D - 90 A D AR NUE D - 100 A D AR F D AR NUET US - 90 MP ESS D AR NUET US - 90 MP ESS D - 90 A D AR NUE D - 100 A D AR F D AR NUE S D AR NUE US - 100 A D AR F D AR NUE S D AR AR NUE E CONTINUED US - 100 A D AR F D AR NUE S D AR AR NUE US - 100 A D AR F D AR NUE S D AR AR NUE AR NUE AR NUE US - 100 A D AR F D AR PROVAL NUE D AR NUE AR NUE CHIEF APP B AR NUE D AR C AR NUE AR NUE AR NUE CHIEF APP B AR NUE D AR AR NUE CHIEF APP B AR NUE D AR C AR AR NUE CHIEF APP B AR NUE D AR C AR AR NUE CHIEF APP B AR NUE D AR AR NUE CHIEF APP AR AR AR NUE APP AR NUE D AR AR AR AR NUE AR NUE AR NUE AR	(including L	M, DD, WD functio					ER (DUTLET			
WID PRESSURE SINISOR F.0R W.D FUNCTION ARR ARE FLITER REGULATION TO THE REGULATION ALLARM TO THE REGULATION ALLARM TO FOR THEM HIGH UW ALLARM V. F. PR RU FEEDING & GERULATION Se SUDGE DELIVERY PUMP F COMPRESSED ARE NULL US - 9.79 Kg/Cm ²) C Image: Comparison of the pumper of the pum) 5 -	0.72 MPa (50 - 721	(n/cm ²))	
APR TO BE RECIDENT TO THE PHONE ALL OF THE RECIDENT OF THE PHONE ALL OF THE ALL			DR WD FUNCTION F COMPRESSED AIR INLET						С		
TT FOR TRANSMITTER FOR TRANSMITTER [F0: 10 setHilling tank, L0: 10 L0 Tank] SP SUDDE DELIVERY PUMP TT FOR TREWS & ARRICULTON SP SLUDGE DELIVERY PUMP TT No. 1F 0 PUMPRER C No. 1F 0 PUMPRER C No. 1F 0 PUMPRER C SV T02-SV-105-C CV 702-SV-105-C CV T02-SV-105-C SV SVMBOL NAME SVM SOLOBE VALVE SVMBOL NAME	AFR AIR FILTER	REGULATOR					(5.0	– 9.9 Kg/c	m²))		
CH FOR OIL FEEDING & CRECILLATION SP SUDGE DELIVERY PUMP Image: Subdect DELIVERY PUMP </td <td></td> <td></td> <td>м</td> <td></td> <td></td> <td></td> <td>ig ta</td> <td>nk, L.O : ti</td> <td>o L.O tank</td> <td>:)</td> <td></td>			м				ig ta	nk, L.O : ti	o L.O tan k	:)	
SP SLUDGE DELIVERY PUMP System No. 1 F.O. PUMPIERC No. 2 F.O. PUMPIER No. 2 F.O. PUMPIER System 702-5V-105-C 702-5V-105-D No. 5 No. 5 No. 5 AFR 702-6V-101-C 702-7V-101-C 702-7V-101-D No. 6 No. 7			IN								
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NOTES 1) SIGHT GLASS	WITH LIGHT. NSFER PUMP TO BE S	TODED					В
	ED BEFORE SHIP DELI						С
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DE	BF	RE	C	Н	17		E
TAGNO. 653-DE-100-A 701-PP-140-A 653-PP-100-A 653-HE-200-A 653-FC-100-A	DESCRIPTION EMERGENCY GENERATO EGE F.O. SUPPLY PUMP EGE F.O. SUPPLY PUMP EMERGENCY F.O. PUMP EGE F.O. COOLER EGE DUFLEX FILTER	UNIT	- PA SCI	TYPE CKAGE REW REW DIAT. TYPE	CAPA 2,100 KW, - 1.89m3/h 1.72m3/h 10 KW 50 micron	/ 720 RPM x 6bar x 6bar	F
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