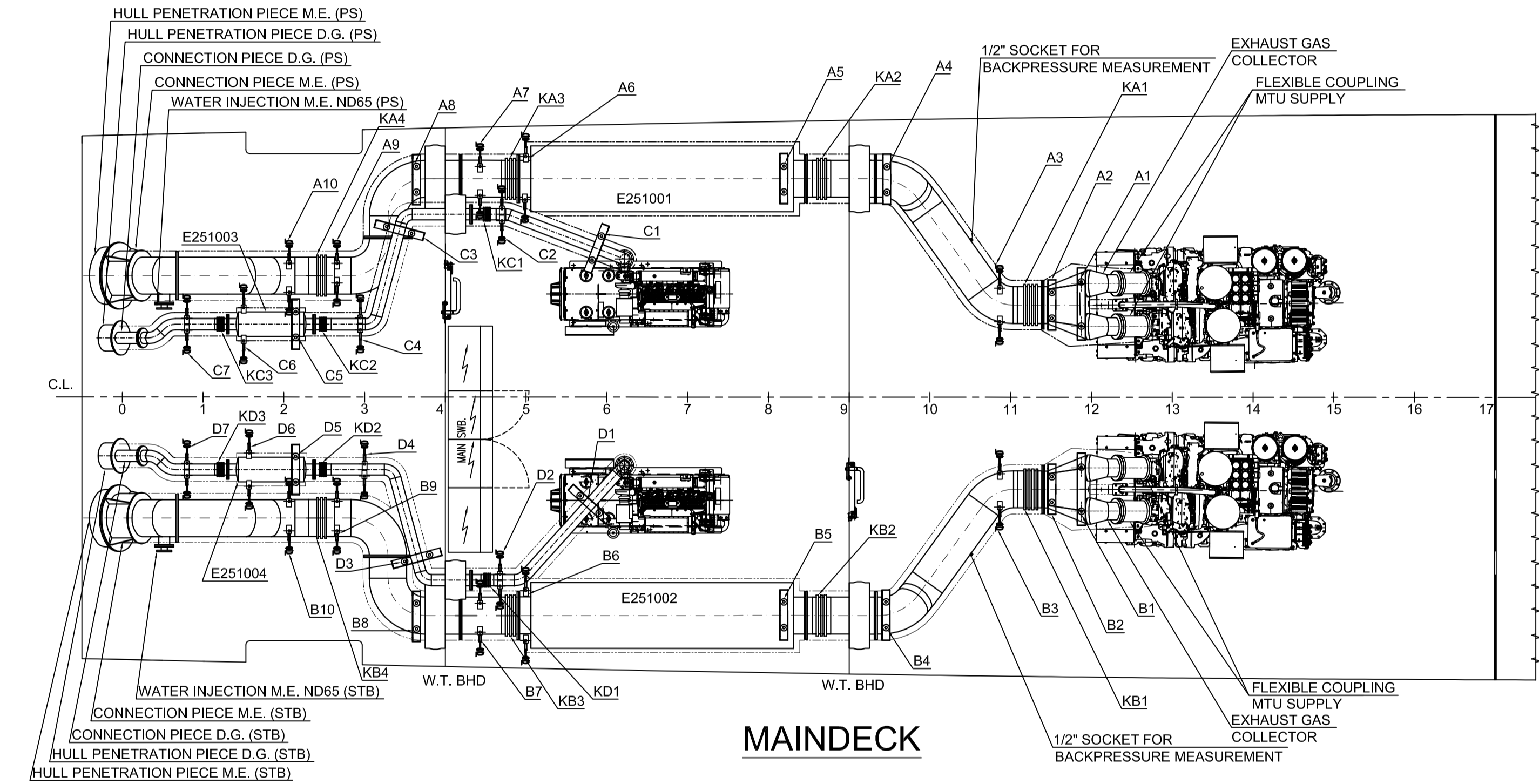
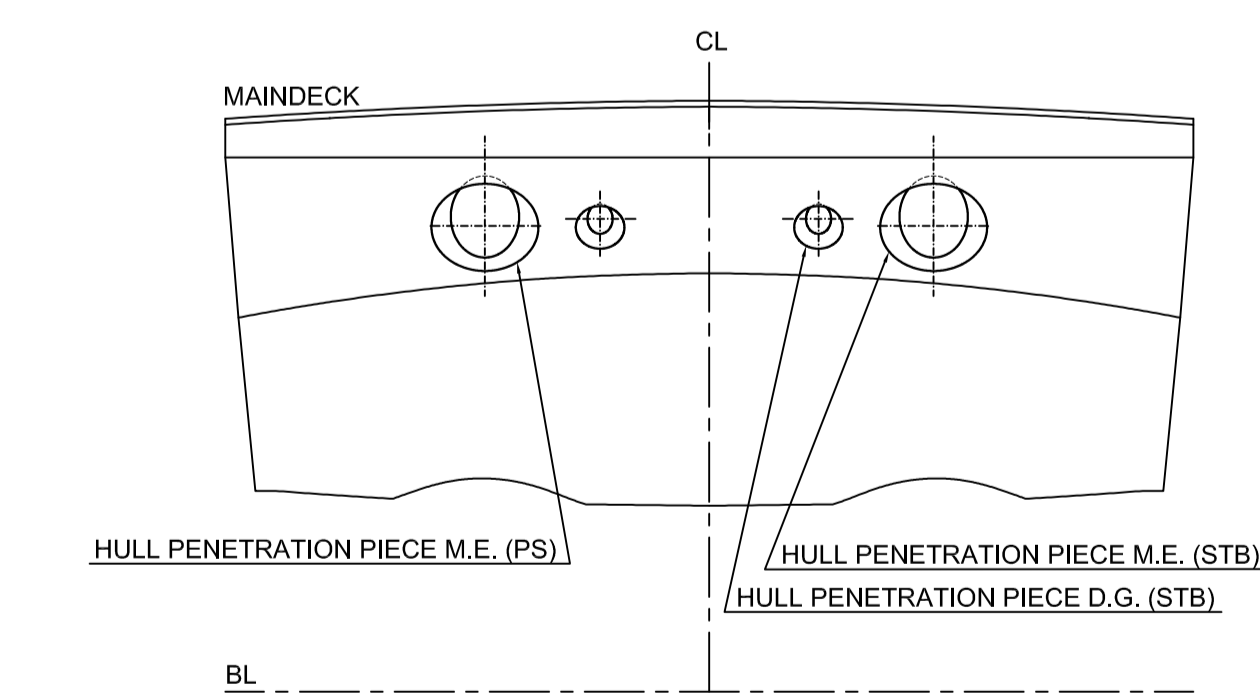


ELEVATION VIEW OFF CL TO PS

SEE PLAN VIEW FOR SUPPORT LOCATION AND DETAILS

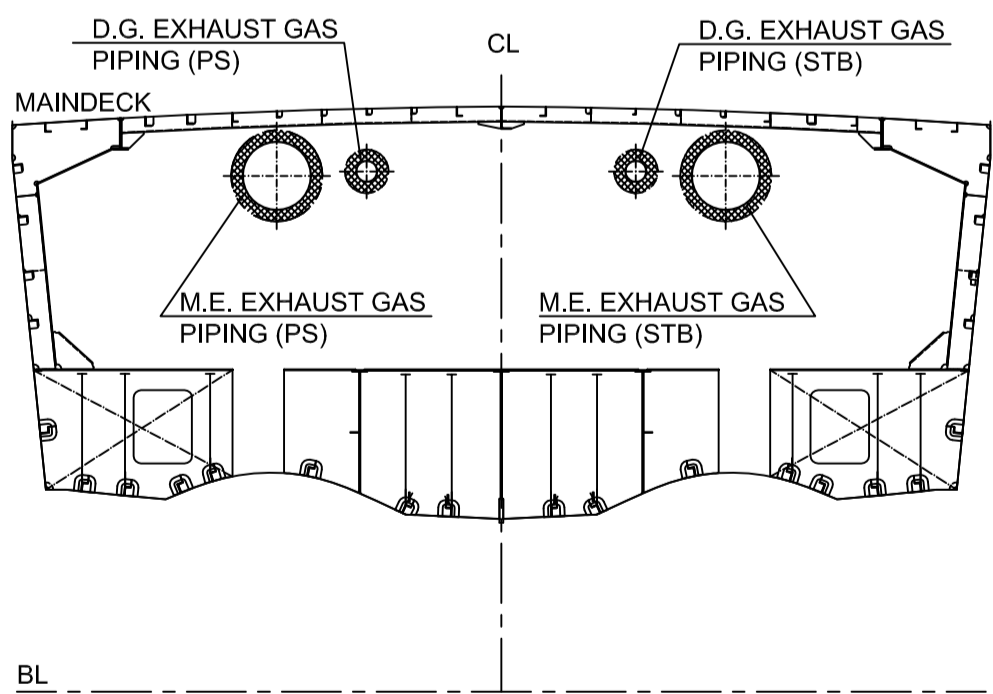


MAINDECK



TRANSOM

LOOKING FWD



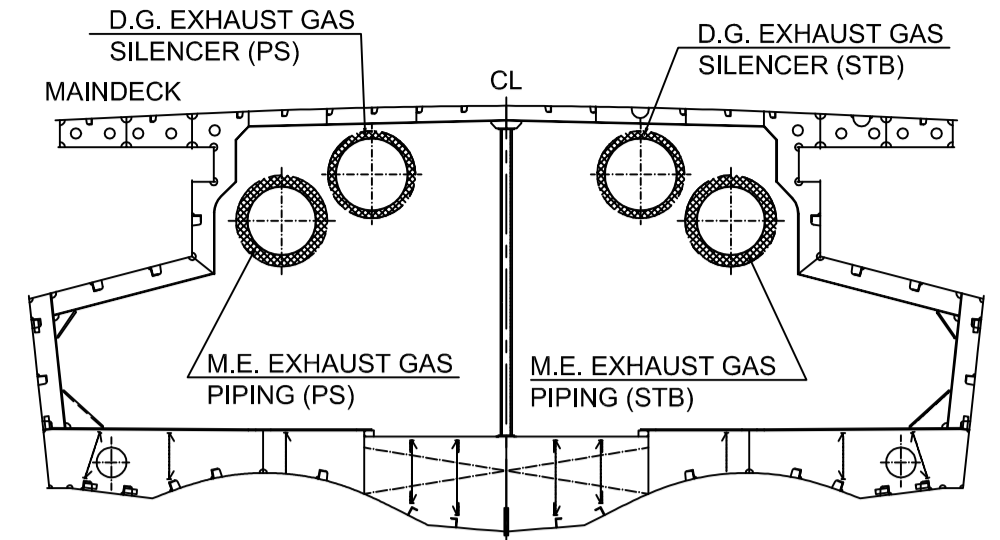
FRAME 1

LOOKING FWD

EXHAUST BELLOWS - BRONESKE SUPPLY				
POS.	ND	TYPE	BUILD IN LENGTH (mm)	FLANGE STANDARD
KA1	450	45.100	315	DIN86044/Welded end
KA2	450	45.050	224	DIN86044/Welded end
KA3	450	45.050	239	DIN86044/Welded end
KA4	450	45.100	317	Welded ends
KB1	450	45.100	315	DIN86044/Welded end
KB2	450	45.050	231	DIN86044/Welded end
KB3	450	45.050	239	DIN86044/Welded end
KB4	450	45.100	317	Welded ends
KC1	125	12.100	216	Welded ends
KC2	125	12.100	213	DIN2573/Welded end
KC3	125	12.050	165	DIN2573/Welded end
KD1	125	12.050	158	Welded ends
KD2	125	12.100	213	DIN2573/Welded end
KD3	125	12.050	165	DIN2573/Welded end

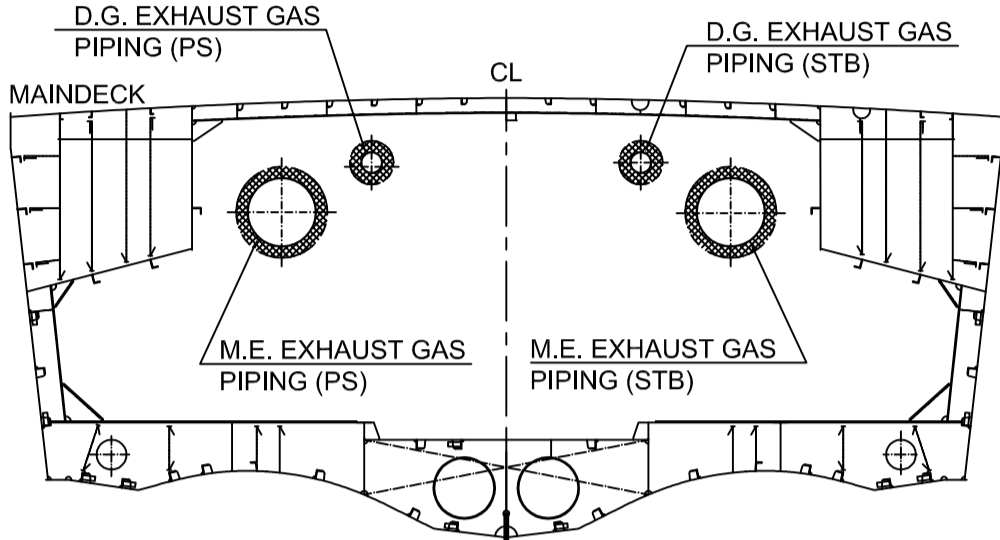
VIBRATION MOUNTS - BRONESKE SUPPLY		
POS.	HOLDER	TYPE
A1/B1	F	SB83082
A2/B2	S	SB83082
A3/B3	A	SB61001
A4/B4	F	SB83082
A5/B5	F	SB83082
A6/B6	A	SB61002
A7/B7	A	SB61001
A8/B8	F	SB83082
A9/B9	A	SB61001
A10/B10	A	SB61001

F - FIXED POINT
A - ANCHORAGE POINT
S - SLIDING POINT



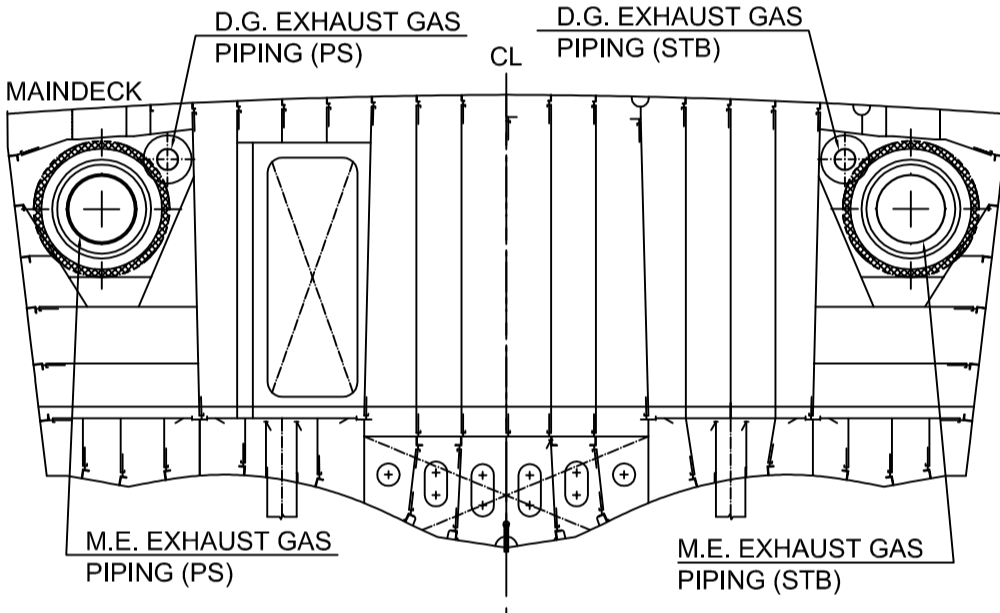
FRAME 2

LOOKING FWD



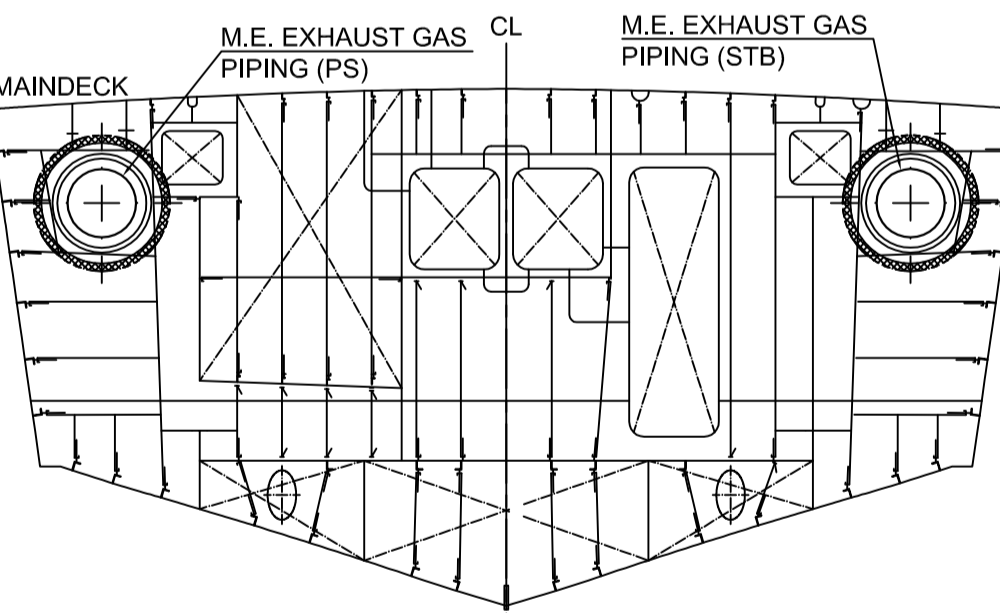
FRAME 3

LOOKING FWD



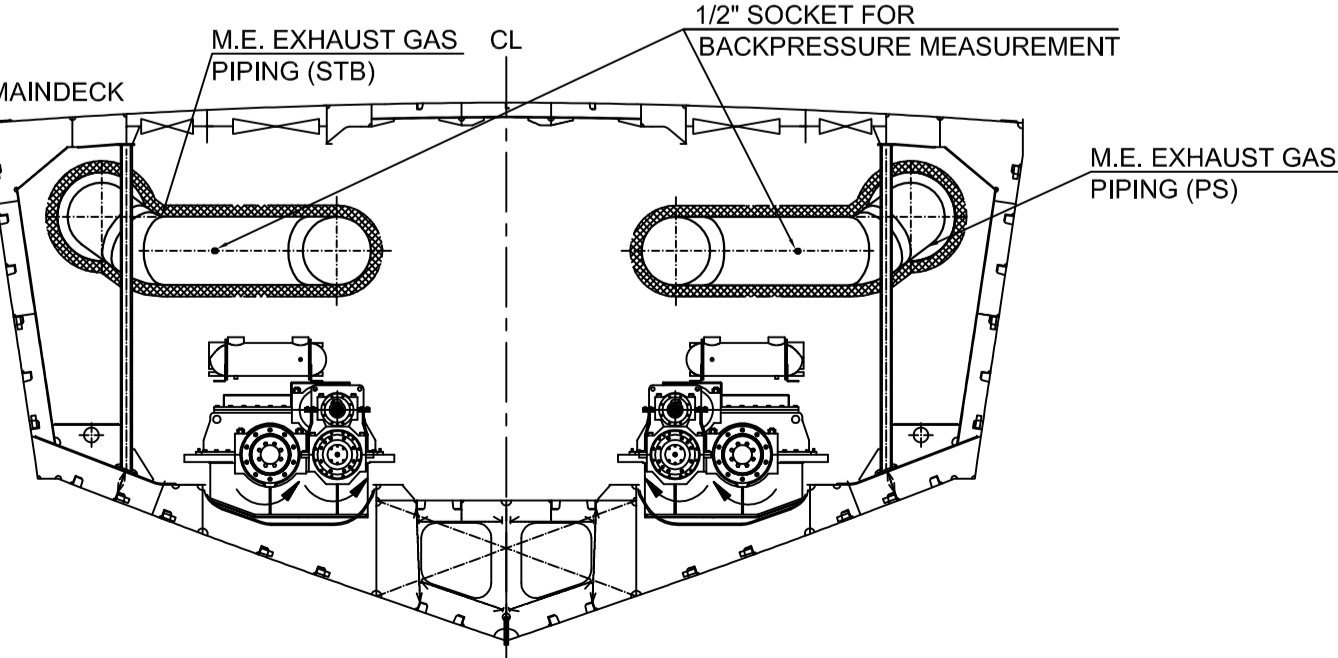
FRAME 4

LOOKING FWD



FRAME 9

LOOKING FWD



FRAME 11

LOOKING AFT

REFERENCE DRAWINGS

NO.	DRAWING TITLE	DRAWING NUMBER
1	GENERAL ARRANGEMENT PLAN	6094-89940-01
2	ENGINE ROOM ARRANGEMENT	6094-20000-01
3	AUXILIARY ENGINE ROOM ARRANGEMENT	6094-50100-01
4	ARR. OF EXHAUST GAS PIPING FOR EMERGENCY DIESEL GENERATOR	6094-25100-03
5	WATERTIGHT BULKHEADS PLANS	6094-10000-04
6	AFT END CONSTRUCTION PLAN	6094-10000-06

PIPE DIMENSIONS

PIPE CODE	PIPE SIZE	STANDARD	MATERIAL	REMARKS	JOINTS
20SS	26.9 x 2.0	DIN2463	STAINLESS STEEL	DRAINS	FLANGED
50SS	60.3 x 4.0	DIN2463	STAINLESS STEEL	WATER INJECTION	
65SS	76.1 x 4.0	DIN2463	STAINLESS STEEL	WATER INJECTION	
125SS	139.7 x 3.0	DIN2463	STAINLESS STEEL	-	
450SS	457 x 3.0	DIN2463	STAINLESS STEEL	-	-

VALVE MATERIALS

ND	NP	TEMP	VALVE TYPE	MATERIAL		L.R. CERT.
				BODY	TRIM	
20	10		GATE VALVE-SOCKET WELD	ST.STEEL	ST.STEEL WEDGE, SEAT AND STEM	NO

EQUIPMENT TABLE


ITEM	DESCRIPTION	CHARACTERISTICS	REMARKS
E251001	SILENCER ME	ND 450	304 ST.STEEL
E251002	SILENCER DG	ND 125	304 ST.STEEL
E251003			
E251004			

LEGEND

ITEM	DESCRIPTION	CHARACTERISTICS	REMARKS
	VIBRATION MOUNT FIXED POINTS/ SLIDING POINTS	FOR ND 450 PIPE	20 PCS.
		FOR ND 125 PIPE	12 PCS.
	VIBRATION MOUNT ANCHORAGE POINTS	FOR ND 450 PIPE	20 PCS.
		FOR ND 125 PIPE	16 PCS.
	FLEXIBLE FIRE & WATERTIGHT PENETRATION	ND 450	4 PCS.
	FLEXIBLE FIRE & WATERTIGHT PENETRATION	ND 125	2 PCS.
	STAINLESS STEEL EXHAUST BELLOWS SINGLE FLANGED	ND 450	4 PCS.
	STAINLESS STEEL EXHAUST BELLOWS - WELDING ENDS	ND 450	2 PCS.
	STAINLESS STEEL EXHAUST BELLOWS - WELDING ENDS	ND 125	2 PCS.
	STAINLESS STEEL EXHAUST BELLOWS FLANGED/ WELDED END	ND 125	4 PCS.

NOTES:

- All portions of exhaust pipe surfaces and other hot surfaces which could be a hazard to personnel shall be properly insulated so that the surface temperature does not exceed 60.0°C or otherwise shall be protected to prevent accidents or burns.
- For Emergency Diesel Generator exhaust arrangement see reference drawing no. 5.
- Exhaust gas piping shall be insulated from engine outlet to rain caps.
- Insulation shall be of mineral wool type covered with reinforced aluminium foil.
- Deleted.
- Arrangements shall be made to maintain the watertight integrity of the bulkheads in way of the penetrations.
- Exhaust bellows shall be installed pre-stressed. See "build in length" in exhaust bellows table.

0	06/05/2011	ISSUED FOR CONSTRUCTION		M.Samolla	S.Hanganu
Rev	Date	Description		Perform	Check
Client:		Title:			
CANADIAN COAST GUARD		ARRANGEMENTS OF EXHAUST GAS PIPING FOR MAIN ENGINES & DIESEL GENERATORS			
		MID-SHORE PATROL VESSEL			
IRVING IRVING SHIPBUILDING INC.		Scale: 1:50	Size: A1	Project No: 6094	
P.O. Box 9110, 3099 Barrington Street, Halifax NS, Canada B3K 5M7, Tel: 902.423.9271, Fax: 902.429.4510		Drawn by: M.Samolla	Checked by: S.Hanganu	Dwg. date: 06/05/2011	
Contract No.		6094-25100-01		Rev. 0	
F7045-06001/002/NQ		© IRVING SHIPBUILDING INC.		Sheet: 1 of 1	
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