

## NOTES

1. Sliding type couplings shall be provided to allow expansion/contraction of pipes.

2.

3. Filling and discharging of ballast water in aft peak tank shall be carried out by both bilge fire & G/S pumps in E/R. : See page 20/48.

4. Zinc anodes (about 2.5kg X 4ea) shall be fitted in each strainer of ballast pump.

5. Ballast overboard discharge pipe passing through the slop tank/ ballast tank shall be arranged in pipe tunnel.

6. Double plate shall be provided below the suction bellmouth in double bottom water ballast tanks (i.e., except F.P.tanks, A.P.tanks) except for stripping bellmouths.

7. Rigid thrust stopper shall be provided for ballast main forward part to prevent movement of ballast mains due to the water hammering effect.

8. Body material of the shipside valve shall be of cast steel.

9. The caution plate shall be provided for connection inert gas to ballast tank as caution plate for the inerting operating on the cargo console.

2		BALLAST EDUCTOR	2	300 m <sup>3</sup> /h (FCD body/SUS316 nozzle)		
1		BALLAST PUMP	2	3000 m <sup>3</sup> /h X 35MTH, CENTRIFUGAL, ELECTRIC MOTOR DRIVEN		
No	MAT'L No	DESCRIPTION	Q'TY	TYPE	MAKER	REMARK

## EQUIPMENT LIST

FILENAME : DA800D101-BS

## SPECIFICATION OF PIPING SYSTEM

SERVICE		FLUID(DESIGN)		NOM. DIA.	PIPE		VALVE			PIPE CONN.				HYD. TEST P (Kg/CM <sup>2</sup> )		REM-ARKS
		PRESS (Kg/CM <sup>2</sup> )	TEMP (°C)		MAT'L	TREAT-MENT	MATERIAL		TYPE	TYPE	GASKET	BOLT /NUT	SHOP			
							BODY	DISC					SHIP			
BALLAST SYSTEM	IN TANK	4.9	AMB.	200-600	G.R.P	INSIDE TAR FREE EPOXY COATG (EXCEPT FOR G.R.P APPLIED PARTS)	CAST IRON	AL-BRONZE	B'FLY V/V	DOUBLE O-RING	O-RING		7.0	4.9		
				200	STPG370 ERW SCH.80	OUTSIDE SAME AS SURROUND'G										
				250-600	STPG370 ERW 12.7T											
	250-600	STPG370 ERW 12.7T		ABOVE D/BTM: INSIDE TAR FREE EPOXY COATG (EXCEPT FOR G.R.P/ POLYETHYLENE APPLIED PARTS)	JIS5K FLANGE BUTT WELD.	NON-ASBES.				HEX. S45C GALV. (SEE GENERAL NOTE 9)	NOT APPLIED					
	IN P/R	4.9		650-700	STPY400 SAW 12.7T	BELOW D/BTM: POLYETHYLENE (EXCEPT FOR SHIPSIDE & WALL/BHD PENET. PIECES)										

2	VALVE	BA401 - BA423		
		BA501 - BA533		
1	PIPE	BA41 - BA67		
		BA01 - BA21		
NO.	ITEM	ITEM NO.	CANCELLED NO.	REMARK

PROJECT  
5268

TITLE

P/D OF BALLAST SYSTEM