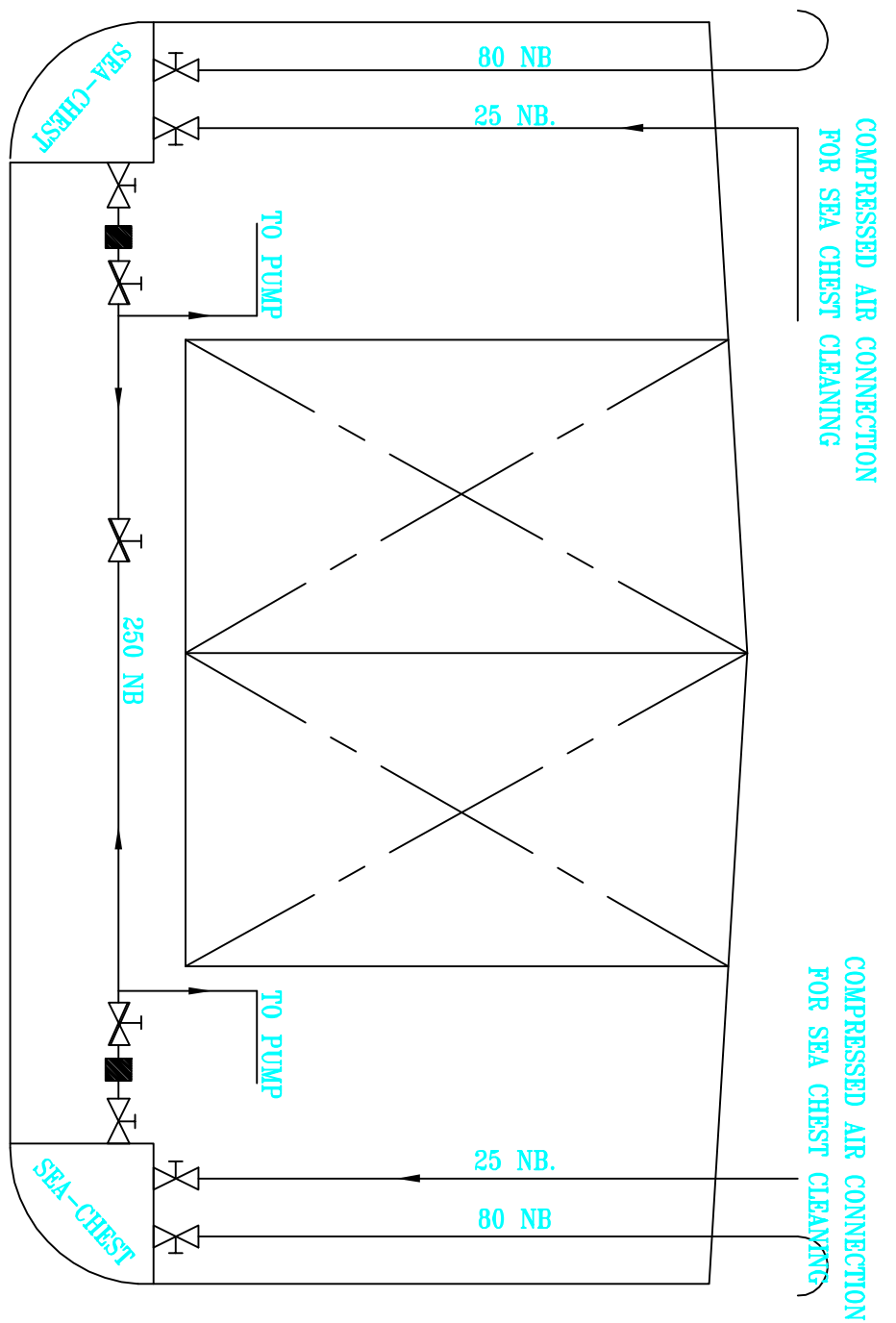


BALLAST SYSTEM I.W.O. CARGO HOLDS

SPECIFIC NOTES

1. VALVES IN BRANCH PIPES TO RESPECTIVE TANKS TO BE LOCATED IN NEIGHBORING TANK.
2. CONTROL PIPING FOR ACTUATORS ON BALLAST VALVES SHALL BE OF SOLIDNESS S3.5(A9 316).
3. ALL BALLAST PIPES, INCLUDING SUCTION BELL MOUNTS, SHALL BE OF SOLIDNESS S3.5(A9 316) AND SHALL BE WELDED TO BULKHEAD PENETRATIONS TO BE OF GALVANIZED STEEL IN BULKHEAD.
4. EACH BALLAST PUMP SHALL BE PROVIDED WITH SUCTION AND DISCHARGE PRESSURE TRANSMITTERS & WITH HEADINGS AT CONSOLE IN COR.
5. PLEASE REFER SEPARATE DRAWING FOR OVER BOARD DISCHARGE ARRANGEMENTS.



SEA-CHEST CONNECTION I.W.O. CARGO HOLDS.

N.T.S.

MATERIAL LIST

SYMBOL	QTY.	DESCRIPTION	SIZE	MATERIALS (VALVE BODY)	REMARKS
	25	BUTTERFLY VALVE	250 NB	NODULAR CAST IRON	HYDRAULIC HANDLE OPERATED FROM COR WITH EXTENDED SPINDLE
	2	STRAP TYPE	250 NB	CAST STEEL	CLASS APPROVED
	2	SAMPLEX WATER SPRAYER	250 NB	CAST STEEL AND RUBBER	CLASS APPROVED
	2	BALLAST PUMP (SEW 200 SELF PRIMING TYPE)	200 NB	CAST IRON	INDICATED TORQUE WITH CONTINUOUS INDICATION AT CONSOLE IN COR.
	12	SUCTION BELL MOUTH	250 NB	GFRP	
	1	BUTTERFLY VALVE	200 NB	NODULAR CAST IRON	
	2	GLOBE VALVE (SEA CHEST) STEEL STOP STRAIGHT TYPE	80 NB	CAST STEEL	
	2	STRAP TYPE	25 NB	CAST STEEL	CLASS APPROVED

GENERAL NOTES:

- 1) WHERE PIPING PENETRATES A W.T. BHD, ADECK OR TANK TOP, TO BE SUFFICIENTLY COMPENSATED TO ENSURE THE WATER-TIGHTNESS OF THE STRUCTURE.
- 2) ALL VALVES TO BE FITTED WITH LABEL PLATES.
- 3) PIPING IN MACHINERY AND CONFINED SPACE NOT TO EXCEED 2.4M IN LENGTH.

C		BUILDER'S COMMENTS INCORPORATED	18/03/2017
B		OWNER'S AND SEA-CHIEF CONSULTANTS' COMMENTS D18/11/16 INCORPORATED	24.11.16
A		BUILDER'S COMMENTS D18/09/16 INCORPORATED	25.09.16
NO.	NO.	NO.	NO.
BUILDER		ALCOCK ASHDOWN (GUJARAT) LTD.	
DEVELOPED BY		HULL No: 251, 252, 253 & 254	
VALIDATED BY		SHIPSHAPE SOLUTIONS	
PROJECT		12800 DWT PRODUCT CARRIER	
TITLE			
BALLAST SYSTEM I.W.O. CARGO HOLDS			
DRWN	SOUTH	SCALE	DWG. NO.
CHECKED	05/09/16	1:1.25	SS/MC-52/06
NOTED		MC-52	SHEET 1 OF 1

(SHEET SIZE A1-841x594)