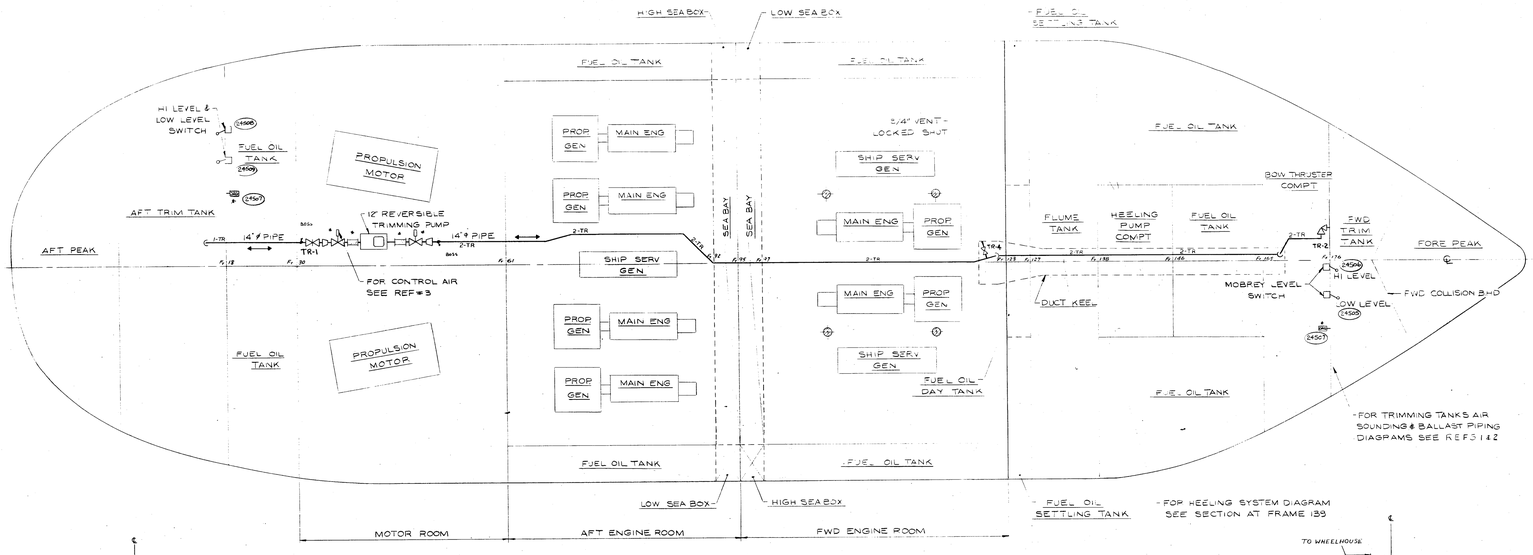
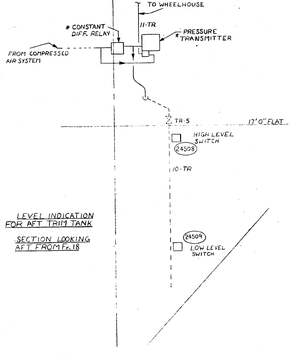
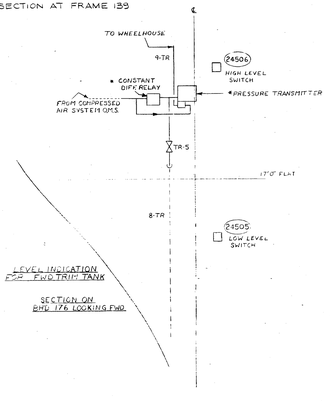


PLAN AT TANK TOP LEVEL



LEVEL INDICATION FOR AFT TRIM TANK

SECTION LOOKING AFT FROM Fr. 18



LEVEL INDICATION FOR FWD TRIM TANK

SECTION ON FRM 176 LOOKING FWD

SYMBOL	DESCRIPTION
	PNEUMATIC SPACE VALVE TO COMPLY WITH RULE
	GATE VALVE
	EXPANSION PIECE TO BE IN APPROVED TYPE
D	REDUCER
	LEVEL SWITCH
	GLOBE VALVE
	LEVEL TRANSMITTER
	DISTANT READING GAUGE

NO	PUMP	MOTOR RATING	MOTOR SPEED
1	12" REVERSIBLE AXIAL FLOW TRIMMING PUMP	90 HP	1750 RPM REVERSIBLE
1	HEELING PUMP	50 HP	1190 RPM REVERSIBLE

NOTES

1. TRIMMING PIPE PASSING THROUGH O.F. TANK TO BE SCH 80 - SEAMLESS STEEL (0.75 WALL) LEFT BLACK.
2. ALL LOW & HIGH POINTS IN SYSTEM TO BE FITTED WITH 3/4" DRAIN AND VENT VALVES, LOCKED SHUT
3. ALL PIPES TO BE FREE & CLEANED FROM SLAG & RUST BEFORE ERECTION
4. ALL PIPES TO BE SEAMLESS STEEL OR A ASTM A53-73T SCH 40 GALVANIZED AFTER FABRICATION, EXCEPT AS NOTED ABOVE
5. ALL FLANGES TO BE STEEL 150 LB. ASA STANDARD WITH RAISED FACE SLIP ON WELDING TYPE
6. TEST PRESSURE TO BE 100 PSI
7. *MARKED ARE SUPPLIED WITH EQUIPMENT
8. HYDRAULIC TEST * TUBE SYSTEM MAXIMUM WORKING PRESSURE = 50 P.S.I.

ALTERATIONS

REV.	ZONE	DESCRIPTION	DATE	APP.	OWNER DATE	OWNER APP.
A		PNEUMATIC SPACE VALVE TO COMPLY WITH RULE 6-11-1(a). EXPANSION PIECE TO BE OF APPROVED TYPE AT PRE ER COMMENTS	79/8			
"		CCG APPROVAL NO COMMENTS	9/1/81			
"		FORD TRIMMING LINE VENT TO 3 DELETED	6/1/81			
		GLOBE VALVE TR-2 CHANGED TO GATE VALVE	1/1/81			
"		INSTRUMENTATION ADDED	7/12/81	B		
B		PIPE INS. ADDED TO PLAN VIEW				
"		LEVEL INDICATION INST. FOR FWD. AND AFT TRIM TANKS ADDED				
"		PIPE TO DIP TRANSMITTER IN HEELING COMPT ALT.				
C		DWG NO. WAS 68-2450-2	1/7/81			
D		AS FITTED	7/12/82			
E		AS FITTED	28/6/83			

REFERENCES

No.	TITLE	DRG. No.
1	BILGE & BALLAST DIAGRAM	68-2000-1
2	AIR & SOUNDING DIAGRAM	68-2300-1
3	CONTROL AIR DIAGRAM	68-2300-2

RESERVATIONS

REV. NO.	DATE DRG. EXAMINED	DSS INSPECTOR	DSS INSPECTOR

PORT WELLER DRY DOCKS AS FITTED DRAWING

PRINT - ISSUE

GROUP	REVISIONS 0	0A	A	B	C						
OWNER			A	B	B						
LLOYDS		A									
A.B.S.											
C.G.S.		A									
ENG. OFFICE (ELTRIC)											
ENG. OFFICE (MUTRIC)											
ENG. OFFICE (SHIP)		I									
PROD. MGR.											
ASST PROD. MGR.			I	I	I						
PROD. SUPT.											
ELECT. SUPT.			I	I	I						
ENG. SUPT.			I	I	I						
PROD. PLANNING											
LOFT											
LEADING BOSS											
ENG. FITTER											
CARPENTER											
PAINTER											
PROGER											
PIPEFITTER											
WELDER											
STEEL ERECTION											
PIPEFITTER			I	I	I						
ELECT. SUB CONT.											
ELECT. MAIN CONT.											
PIPE SUB CONT.											
PIPE MAIN CONT.											
CANAL S.P.R.D.C.			I	I	I						
SHOL SUB CONT.											
A. G. ORDONEZ			I	I	I						
J. ALVARADO			I	I	I						
R.F.S. APARICIO		I	I	I	I						
CANAL S.P.R.											
A. BALTAZAR			I	I	I						
LINCE ENGINEER				I	I						
TOTAL											
DATE OF ISSUE		23/3/80	5/12/80		15/1/81						

APPROVALS

OWNER	LLOYDS	A.B.S.	C.G.S.
23-3-80	5/12/80		15-1-81

DRG. No. 68-2450-1 ALT. E

HEELING & TRIMMING SYSTEM DIAGRAM

SCALE: NONE A/C: 2450 HEELING, 2455 TRIMMING

HULL No. 68

DRAWN BY: J. DALLARE DATE: FEB 14/80

APPROVED BY: Thomas Dalzell

PORT WELLER DRY DOCKS
A DIVISION OF UPPER LAKES SHIPPING LTD.
ST. CATHARINES ONTARIO L2R 7C1