



CARGO SYSTEM VALVES:

- 1 CARGO PUMP SUCTION VALVE
- 2 CARGO PUMP DISCHARGE VALVE
- 3 CARGO PUMP DISCHARGE CHECK VALVE
- 4 PRESSURE RELIEF VALVE
- 5 CARGO FILL/LOAD VALVE
- 6A PORT CARGO HEADER VALVE
- 6B STBD CARGO HEADER VALVE
- 7 TANK #1 PORT CARGO FILL/SUCTION VALVE
- 8 TANK #1 STBD CARGO FILL/SUCTION VALVE
- 9 TANK #2 PORT CARGO FILL/SUCTION VALVE
- 10 TANK #2 STBD CARGO FILL/SUCTION VALVE
- 11 TANK #3 PORT CARGO FILL/SUCTION VALVE
- 12 TANK #3 STBD CARGO FILL/SUCTION VALVE
- 13 12" CARGO HEADER BLOCK VALVE
- 14 DRAIN VALVE
- 15 BYPASS VALVE
- 16 PUMP VENT VALVE
- 17 PUMP VENT CHECK VALVE
- PU PUMP

VAPOR SYSTEM:

- V1 VENT STACK VALVE
- V2 PRESS/VACCUM VALVE
- V3A PORT VAPOR HEADER VALVE
- V3B STBD VAPOR HEADER VALVE

STRIPPING SYSTEM:

- 7A TANK #1 PORT CARGO STRIPPING VALVE
- 8A TANK #1 STBD CARGO STRIPPING VALVE
- 9A TANK #2 PORT CARGO STRIPPING VALVE
- 10A TANK #2 STBD CARGO STRIPPING VALVE
- 11A TANK #3 PORT CARGO STRIPPING VALVE
- 12A TANK #3 STBD CARGO STRIPPING VALVE
- 18 BELOW DECK HDR STRIPPING VALVE
- 19 PUMPWELL STRIPPING VALVE
- 20 STRIPPING HDR BLOCK VALVE

CARGO LOADING:

- A OPEN VALVES NO. 5,6A,6B,7,8,9,10,11,12 & 13
- B CLOSE VALVES NO. 1 & 2
- C VENT TANKS

CARGO DISCHARGE:

- A OPEN VALVES NO. 1,2,6A,6B,7,8,9,10,11,12 & 13
- B CLOSE VALVES NO. 5
- C VENT TANKS

REV	ITEM	DESCRIPTION	DATE	BY
REVISIONS				
MARINE SOLUTIONS, INC. <small>As noted, these drawings and specifications are a condensed form and do not represent a complete set of drawings. All dimensions, materials, and methods shall conform to the latest edition of the ASME, ABS, and other applicable codes and standards. The user is responsible for obtaining all necessary permits and approvals for the use of these drawings.</small>				
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<b>SETTEON TOWING LLC</b> 2877-S-54-0-0-12-0-0 DOUBLE-SKIN TANK BARGE RAKE CARGO AND VAPOR PIPING DIAGRAM				
SCALE	1/4" = 1'-0"	DATE	07/20/24	PROJ. NO.
DRAWN BY	MS	EC'D BY	MS	012309-1
DATE	08/20/24	CONVENT NO.	5	SHEET 1 OF 1
				REV. 0
				PAGE 1