

NOTE 1: CONTAINMENT P/S

STARBOARD

- |           |                          |           |                                    |
|-----------|--------------------------|-----------|------------------------------------|
| <b>NO</b> | <b>DESCRIPTION</b>       | <b>NO</b> | <b>DESCRIPTION</b>                 |
| 1C        | 8" CARGO TANK VALVE      | 12C       | 1" BURP VALVE RETURN TO CARGO TANK |
| 2C        | 8" LOAD VALVE            | 16C       | DISCHARGE PRESSURE GAUGE           |
| 3C        | 10" MASTER SUCTION VALVE | 19C       | 8" CARGO HEADER                    |
| 4C        | 8" DISCHARGE VALVE       | 24C       | 1" PIPE SIGHT GLASS                |
| 5C        | 8" HEADER VALVE          | 30C       | 10" CARGO PIPELINE                 |
| 6C        | 8" SALVAGE VALVE         | 36C       | PRESSURE GAUGE                     |
| 8C        | 6" RELIEF VALVE          | 37C       | CARGO DROP                         |
| 9C        | 8" CHECK VALVE           | ---       | ABOVE DECK PIPING                  |
| 10C       | 1" BURP VALVE            | ---       | BELOW DECK PIPING                  |
| 11C       | 1" BLEED OFF VALVE       |           |                                    |

TRINITY MARINE PRODUCTS -- BARREL CAPACITY=10732



**KIRBY INLAND MARINE**

**CARGO**

**PIPING FLOW DIAGRAM**

REV.	DATE	BY	CHK APP	REVISION	DESCRIPTION
0	12/21/09	RB	RJ	FOR APPROVAL	

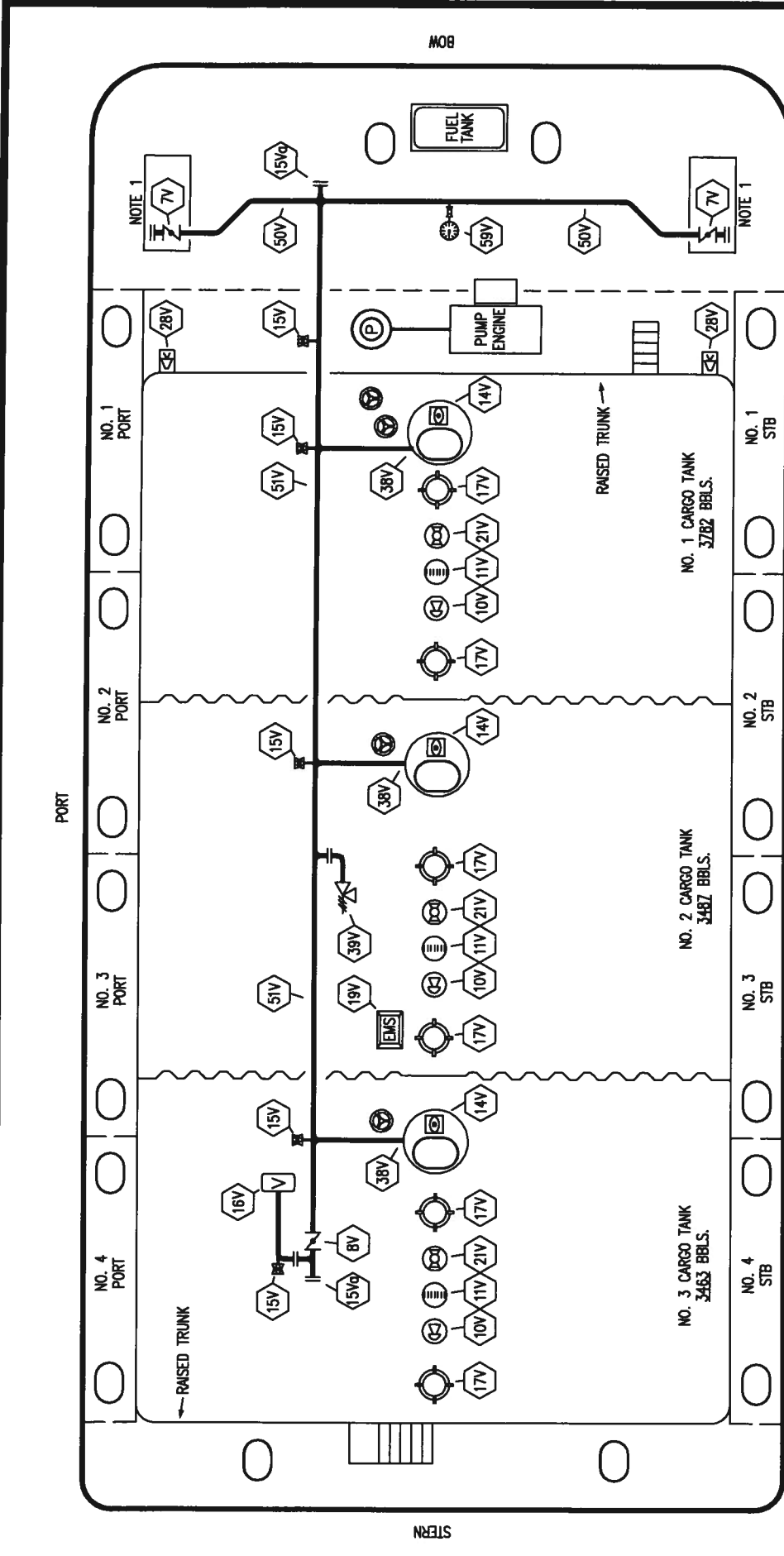
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NOTE 1: CONTAINMENT P/S

STARBOARD

- |          |                           |         |                            |
|----------|---------------------------|---------|----------------------------|
| NO. 7V   | 8" HEADER VALVE           | NO. 19V | EMERGENCY ENGINE SHUT DOWN |
| NO. 8V   | 8" VENT STACK VALVE       | NO. 21V | HERMETIC GAUGE             |
| NO. 10V  | HIGH LEVEL/OVERFILL ALARM | NO. 28V | DOCK CONNECTION ALARM      |
| NO. 11V  | GAUGE STICK               | NO. 38V | 6" PRESSURE/VACUUM VALVE   |
| NO. 14V  | SIGHT GLASS W/GAUGE TREE  | NO. 38V | 8" VAPOR PENETRATION       |
| NO. 15V  | 2" INSPECTION PORT        | NO. 50V | 8" VAPOR HEADER            |
| NO. 15Vq | 8" INSPECTION PORT        | NO. 51V | 8" VAPOR PIPELINE          |
| NO. 16V  | 8" VAPOR VENT STACK       | NO. 59V | PRESS/VAC GAUGE            |
| NO. 17V  | 20" BUTTERWORTH           |         | ABOVE DECK PIPING          |

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### VAPOR PIPING FLOW DIAGRAM

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
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