

NOTE 1: CONTAINMENT P/S

STARBOARD

- |     |                          |     |                                    |
|-----|--------------------------|-----|------------------------------------|
| NO  | DESCRIPTION              | NO  | DESCRIPTION                        |
| 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=9991



**KIRBY INLAND MARINE**

**CARGO**

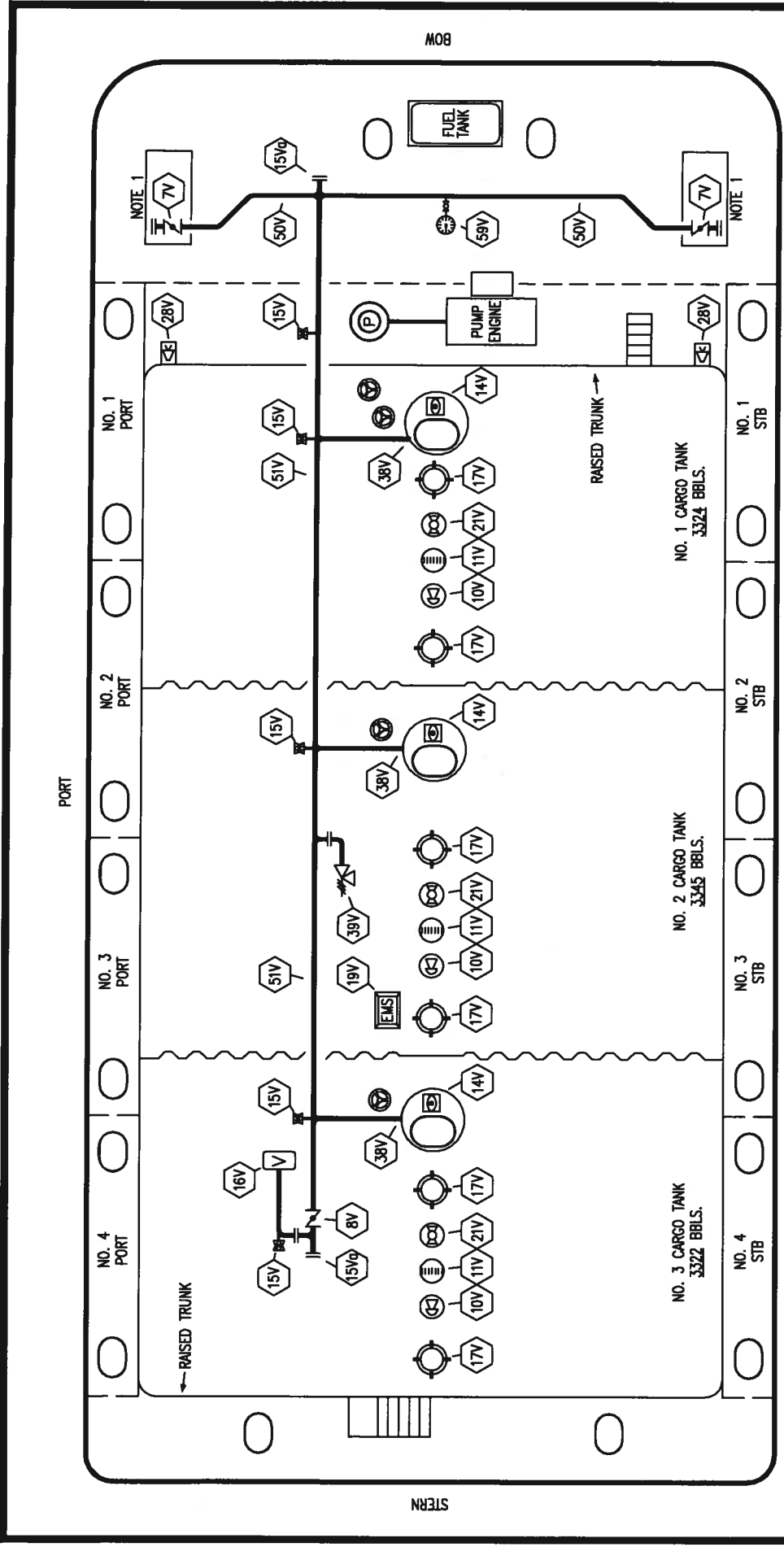
**PIPING FLOW DIAGRAM**

REV.	DATE	BY	CHK	APP	REVISION	DESCRIPTION
0	12/15/09	RB	RJ		FOR APPROVAL	

SCALE: NONE  
PAGE: 1 OF 3

**KIRBY 10076**

REV. 0



NOTE 1: CONTAINMENT P/S

STARBOARD

TRINITY MARINE PRODUCTS - BARREL CAPACITY=9991



**VAPOR**  
**PIPING FLOW DIAGRAM**

REV.	DATE	BY	CHK	APP	REVISION	DESCRIPTION	SCALE:	NONE	FOR APPROVAL	PAGE:	2 OF 3	REV.	0
0	12/15/09	RB	RB	RJ									

- |      |                           |     |                            |
|------|---------------------------|-----|----------------------------|
| NO   | DESCRIPTION               | NO  | DESCRIPTION                |
| 7V   | 8" HEADER VALVE           | 19V | EMERGENCY ENGINE SHUT DOWN |
| 8V   | 8" VENT STACK VALVE       | 21V | HERMETIC GAUGE             |
| 10V  | HIGH LEVEL/OVERFILL ALARM | 28V | DOCK CONNECTION ALARM      |
| 11V  | GAUGE STICK               | 39V | 6" PRESSURE/VACUUM VALVE   |
| 14V  | SIGHT GLASS W/GAUGE TREE  | 38V | 8" VAPOR PENETRATION       |
| 15V  | 2" INSPECTION PORT        | 50V | 8" VAPOR HEADER            |
| 15VQ | 8" INSPECTION PORT        | 51V | 8" VAPOR PIPELINE          |
| 16V  | 8" VAPOR VENT STACK       | 59V | PRESS/VAC GAUGE            |
| 17V  | 20" BUTTERWORTH           |     | ABOVE DECK PIPING          |

