

STARBOARD

- | | | | |
|-----|----------------------|-----|-------------------|
| NO | DESCRIPTION | NO | DESCRIPTION |
| 1C | CARGO TANK VALVE | 19C | CARGO HEADER |
| 1S | SLOP TANK (3000 GAL) | 30C | CARGO PIPELINE |
| 2C | LOAD VALVE | 37C | CARGO DROP |
| 3C | MASTER SUCTION VALVE | | |
| 5C | HEADER VALVE | | ABOVE DECK PIPING |
| 6C | SALVAGE VALVE | | BELOW DECK PIPING |
| 9C | CARGO CHECK VALVE | | |
| 13C | CARGO BLOCK VALVE | | |

NOTE 1: CONTAINMENT P/S

TRINITY MARINE

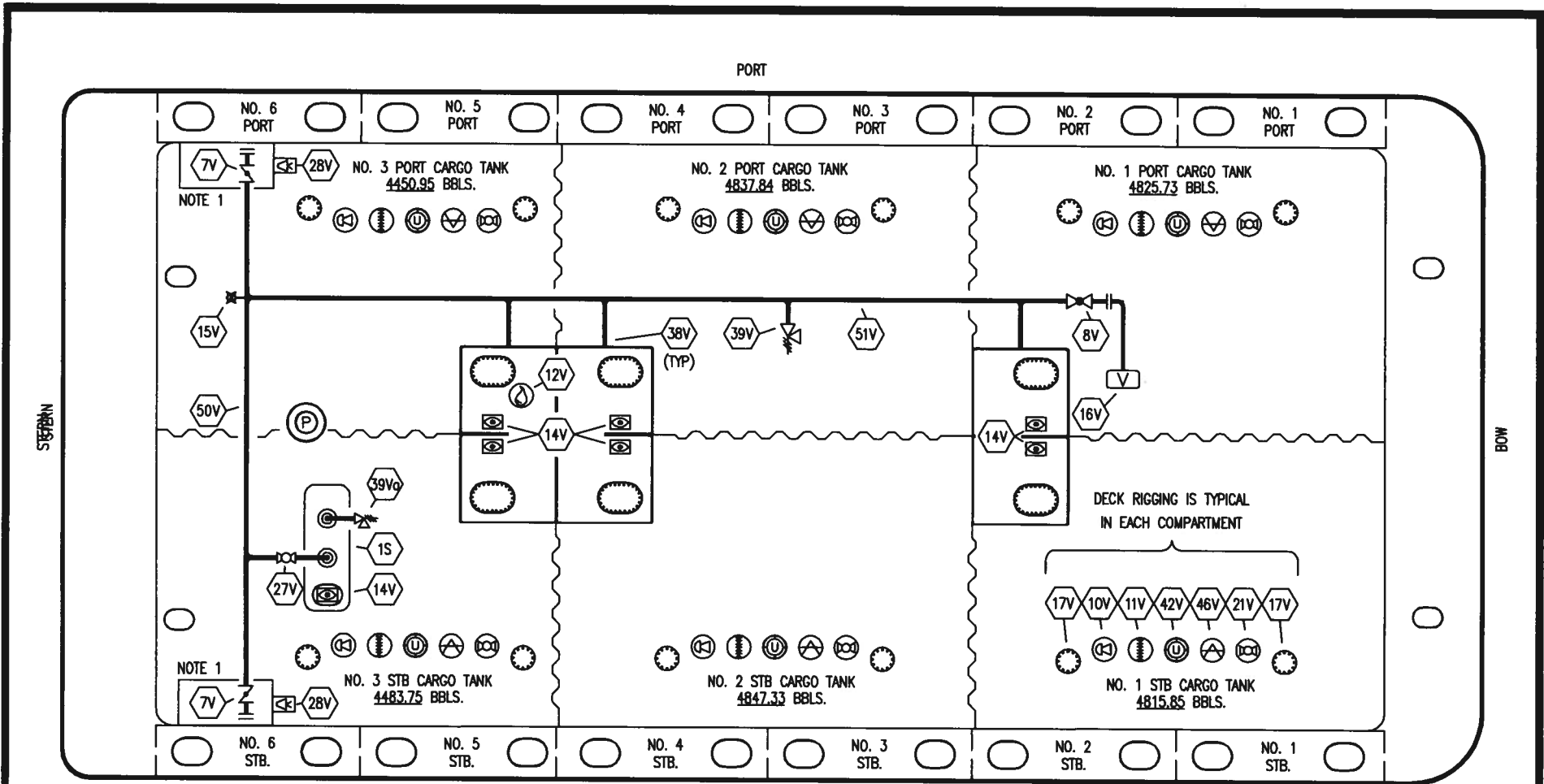
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REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION				

KIRBY INLAND MARINE

CARGO

PIPING FLOW DIAGRAM

SCALE: NONE	KIRBY 28069
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NO	DESCRIPTION	NO	DESCRIPTION
1S	SLOP TANK (3000 GAL.)	23V	1/4" PRESSURE/VAC GAUGE
7V	8" HEADER VALVE	27V	2" SLOP TANK VENT VALVE
8V	8" VENT STACK VALVE	28V	HIGH LEVEL DOCK ALARM
10V	8" HIGH LEVEL/OVERFILL ALARM	38V	VAPOR PENETRATION (⊙)
11V	8" 1 METER GAUGE STICK	39V	6" PRESSURE/VACUUM VALVE
12V	2" HERMETIC SAMPLE	39V _o	2.5" PRESSURE/VACUUM VALVE
14V	8" SIGHT GLASS	42V	10" ULLAGE
15V	2" INSPECTION PORT	46V	2" SOUNDING TUBE
16V	8" VAPOR VENT STACK	50V	8" VAPOR HEADER
17V	19" BUTTERWORTH	51V	8" VAPOR PIPELINE
19V	EMERGENCY SHUTDOWN SYSTEM	—	— ABOVE DECK PIPING
21V	2" HERMETIC GAUGE		

STARBOARD

NOTE 1: CONTAINMENT P/S

TRINITY MARINE

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
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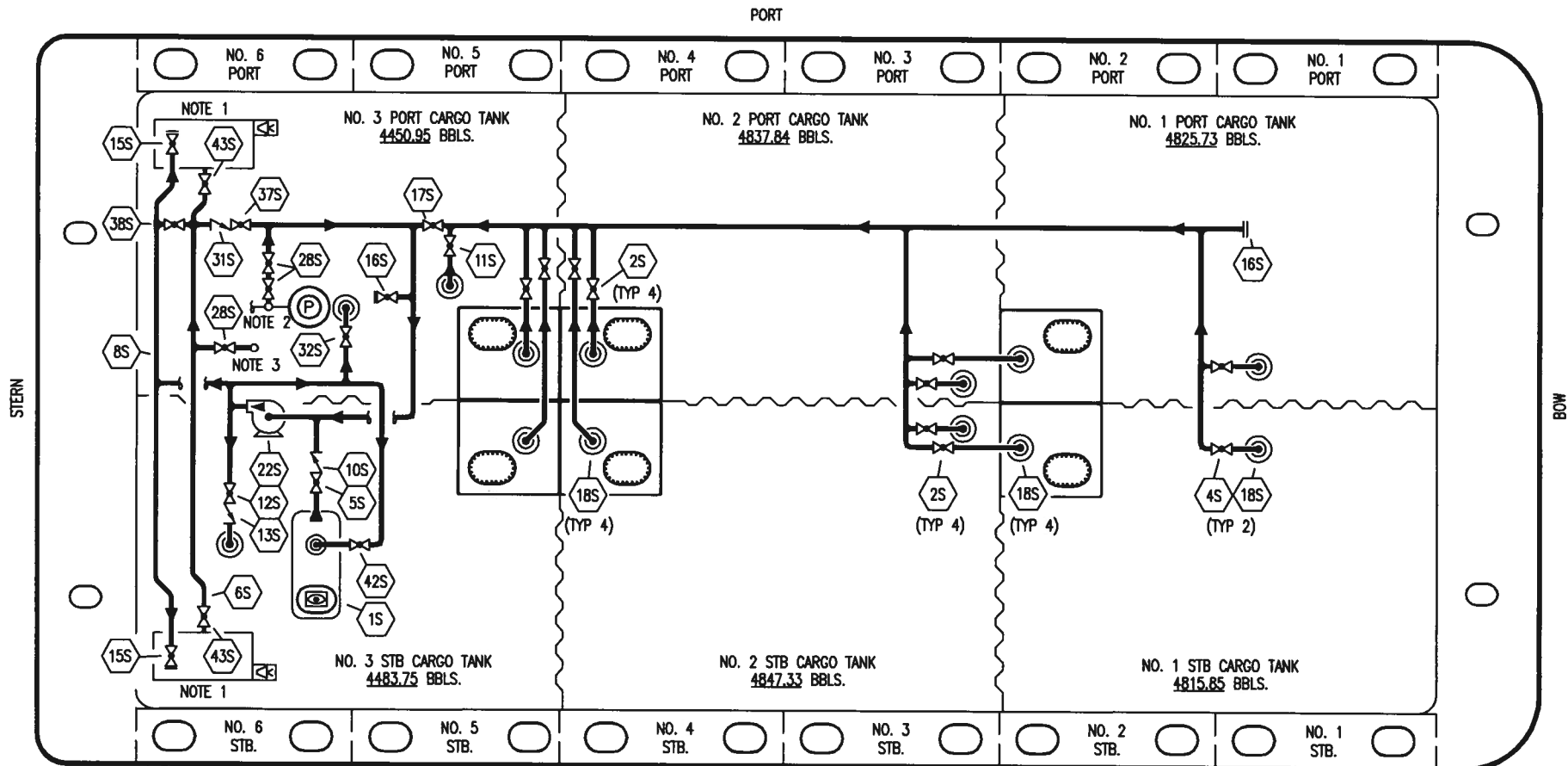
KIRBY INLAND MARINE

**VAPOR
PIPING FLOW DIAGRAM**

SCALE: NONE
PAGE: 2 OF 3

KIRBY 28069

REV. **0**



NO	DESCRIPTION	NO	DESCRIPTION
1S	3000 GAL. SLOP TANK	17S	FORWARD CARGO TANK ISOLATION
2S	CARGO SUMP SUCTION VALVE	18S	STRIPPING DROP (C)
4S	CARGO TANK SUCTION VALVE	22S	STRIPPING PUMP
5S	SLOP TANK SUCTION VALVE	28S	CARGO PIPING SUCTION
6S	SUCTION HEADER PIPING	31S	CHECK VALVE
8S	DISCHARGE HEADER PIPING	32S	PUMP WELL PRIMER VALVE
10S	SLOP TANK CHECK VALVE	37S	BLOCK VALVE
11S	LOWER CARGO PIPELINE SUCTION VALVE	38S	CROSSOVER VALVE
12S	RETURN TO CARGO TANK VALVE	42S	SLOP TANK FILL VALVE
13S	RETURN TO CARGO CHECK VALVE	43S	DRIP PAN SUCTION VALVE
15S	HEADER DISCHARGE VALVE	---	ABOVE DECK PIPING
16S	REMOTE SUCTION CONNECTION		

STARBOARD

NOTE 1: CONTAINMENT P/S
 NOTE 1: CONNECTS TO CARGO DISCHARGE PIPING
 NOTE 1: CONNECTS TO P/V PIPING

TRINITY MARINE



**STRIPPING
 PIPING FLOW DIAGRAM**

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
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SCALE: NONE
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REV. **0**