

NOTE 1: CONTAINMENT P/S

NO	DESCRIPTION
1C	CARGO TANK VALVE
2C	LOAD VALVE
3C	MASTER SUCTION VALVE
4C	DISCHARGE VALVE
5C	HEADER VALVE
6C	SALVAGE VALVE
8C	RELIEF VALVE
9C	CHECK VALVE
10C	BURP VALVE
11C	BLEED OFF VALVE
12C	BURP VALVE RETURN TO CARGO TANK
13C	CARGO PIPING BLOCK VALVE
19C	CARGO HEADER
24C	FLOW INDICATOR
30C	CARGO PIPELINE
36C	PRESSURE GAUGE
37C	CARGO DROP
38C	DEEP WELL DRAIN VALVE
---	ABOVE DECK PIPING
- - -	BELOW DECK PIPING

TRINITY MARINE PRODUCTS

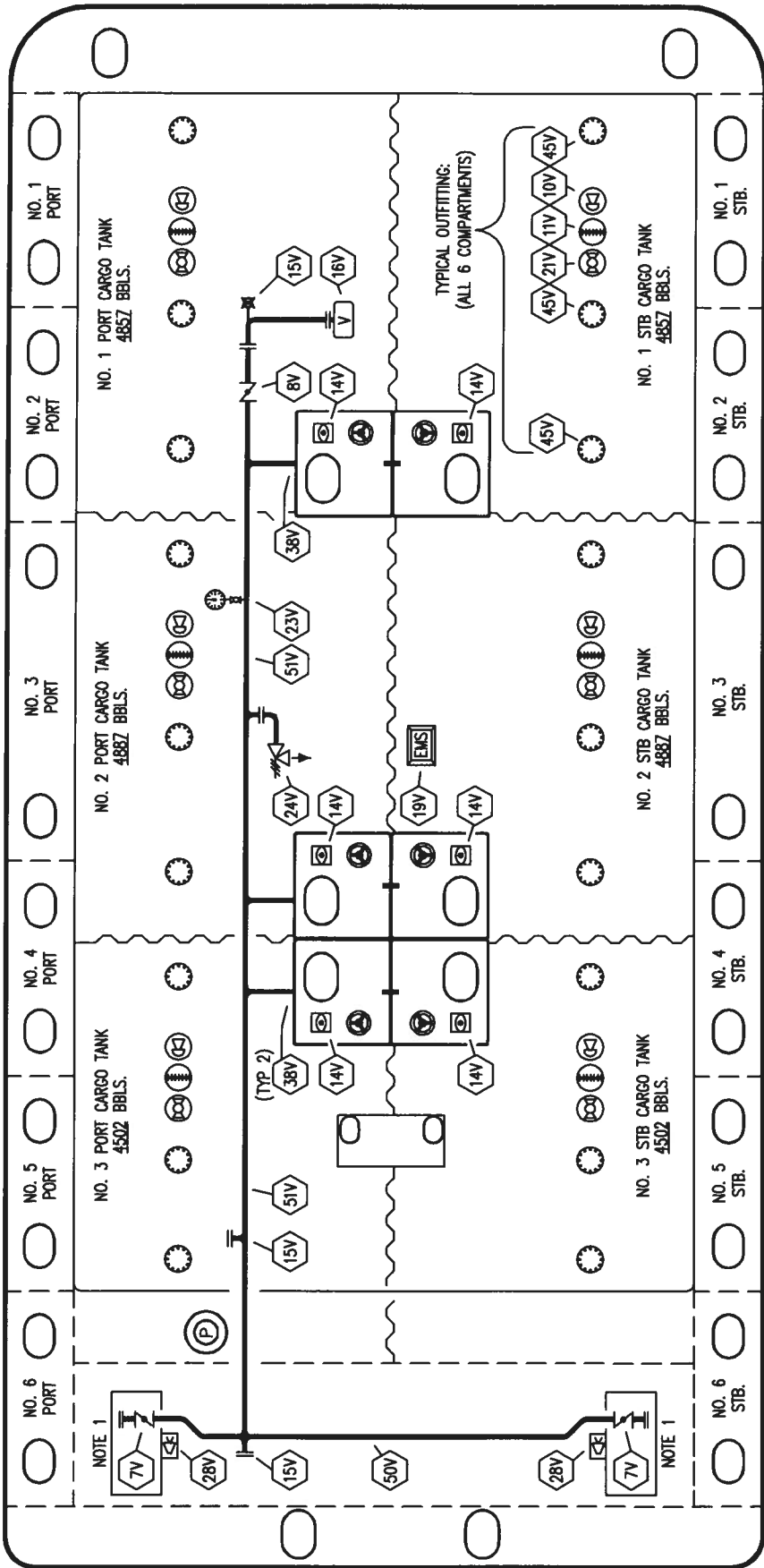
**KIRBY INLAND MARINE**

**CARGO PIPING FLOW DIAGRAM**

SCALE:	NONE
PAGE:	1 OF 3

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
0	05/05/08	RB	WK	AB	APPROVED

NO. 8



STERN

NOTE 1: CONTAINMENT P/S

NO	DESCRIPTION
7V	8" HEADER VALVE
8V	8" VENT STACK VALVE
10V	HIGH LEVEL/OVERTILL ALARM
11V	1 METER GAUGE STICK
14V	8" SIGHT GLASS
15V	INSPECTION PORT
16V	8" VAPOR VENT STACK
19V	EMERGENCY ENGINE SHUTDOWN
21V	HERMETIC GAUGE
23V	PRES/VAC GAUGE
24V	6" PRESSURE RELIEF VALVE, HIGH VELOCITY
28V	DOCK CONNECTION ALARM
38V	8" VAPOR PENETRATION
45V	19" CLEANOUT HATCH
50V	8" VAPOR HEADER
51V	8" VAPOR PIPELINE
—	ABOVE DECK PIPING

TRINITY MARINE PRODUCTS



KIRBY INLAND MARINE

VAPOR

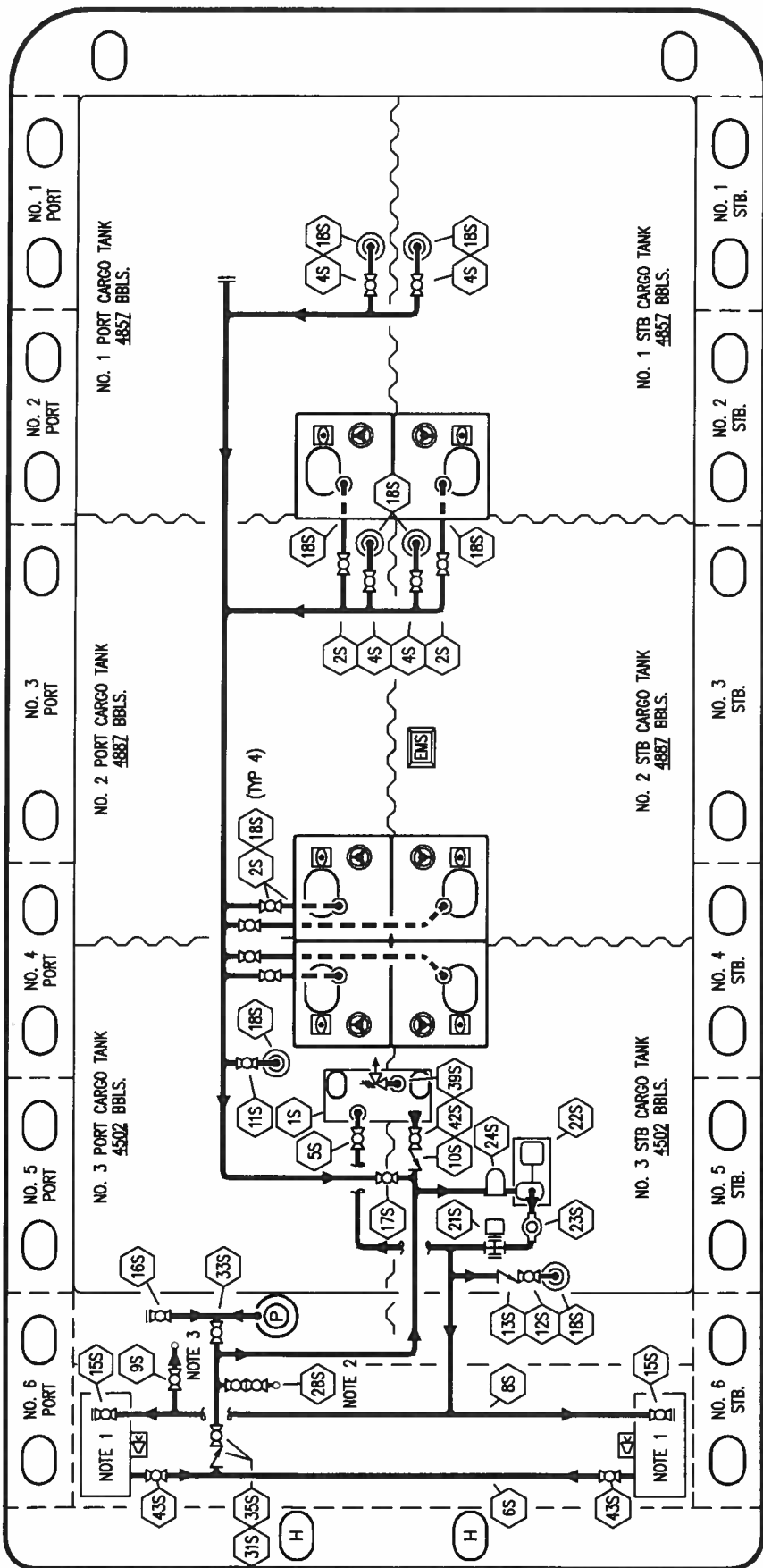
PIPING FLOW DIAGRAM

REV.	DATE	BY	CHK	APP	REVISION	DESCRIPTION
0	05/20/09	RB	WK	AB	APPROVED	

SCALE: NONE  
PAGE: 2 OF 3

REV. 0

KIRBY 28108



STERN

- |         |                               |         |                               |         |                           |   |
|---------|-------------------------------|---------|-------------------------------|---------|---------------------------|---|
| NO. 1S  | 3000 GAL SLOP TANK            | NO. 16S | REMOTE SUCTION CONNECTION     | NO. 42S | SLOP TANK DISCHARGE VALVE | NOTE 1: CONTAINMENT TANK PORT & STARBOARD               |
| NO. 2S  | CARGO TANK SUMP SUCTION VALVE | NO. 17S | FORWARD CARGO TANK ISOLATION  | NO. 43S | DRIP TANK SUCTION VALVE   | NOTE 2: CONNECTS TO CARGO PUMP DISCHARGE PIPING         |
| NO. 4S  | CARGO TANK SUCTION VALVE      | NO. 18S | STRIPPING PENETRATION OR DROP | ---     | ABOVE DECK PIPING         | NOTE 3: CONNECTS TO CARGO RELIEF VALVE DISCHARGE PIPING |
| NO. 5S  | SLOP TANK SUCTION VALVE       | NO. 21S | PRIMING POT                   | ---     | BELOW DECK PIPING         |   |
| NO. 6S  | SUCTION HEADER                | NO. 22S | STRIPPING PUMP                |         |                           |   |
| NO. 8S  | DISCHARGE HEADER              | NO. 23S | FLOW INDICATOR (SIGHT GLASS)  |         |                           |   |
| NO. 9S  | DEEP WELL FILL VALVE          | NO. 24S | BASKET STRAINER               |         |                           |   |
| NO. 10S | SLOP TANK CHECK VALVE         | NO. 28S | CARGO PIPING SUCTION          |         |                           |   |
| NO. 11S | CARGO PIPELINE SUCTION VALVE  | NO. 31S | CHECK VALVE                   |         |                           |   |
| NO. 12S | RETURN TO CARGO TANK VALVE    | NO. 33S | PUMP WELL SUCTION             |         |                           |   |
| NO. 13S | RETURN TO CARGO CHECK VALVE   | NO. 35S | STRIPPING VALVE               |         |                           |   |
| NO. 15S | HEADER DISCHARGE VALVE        | NO. 39S | PRES/VAC VALVE                |         |                           |   |

TRINITY MARINE PRODUCTS



**STRIPPING  
PIPING FLOW DIAGRAM**

SCALE: NONE  
PAGE: 3 OF 3

REV.	DATE	BY	CHK	APP	REVISION	DESCRIPTION
0	05/20/09	RB	AB	APPROVED		