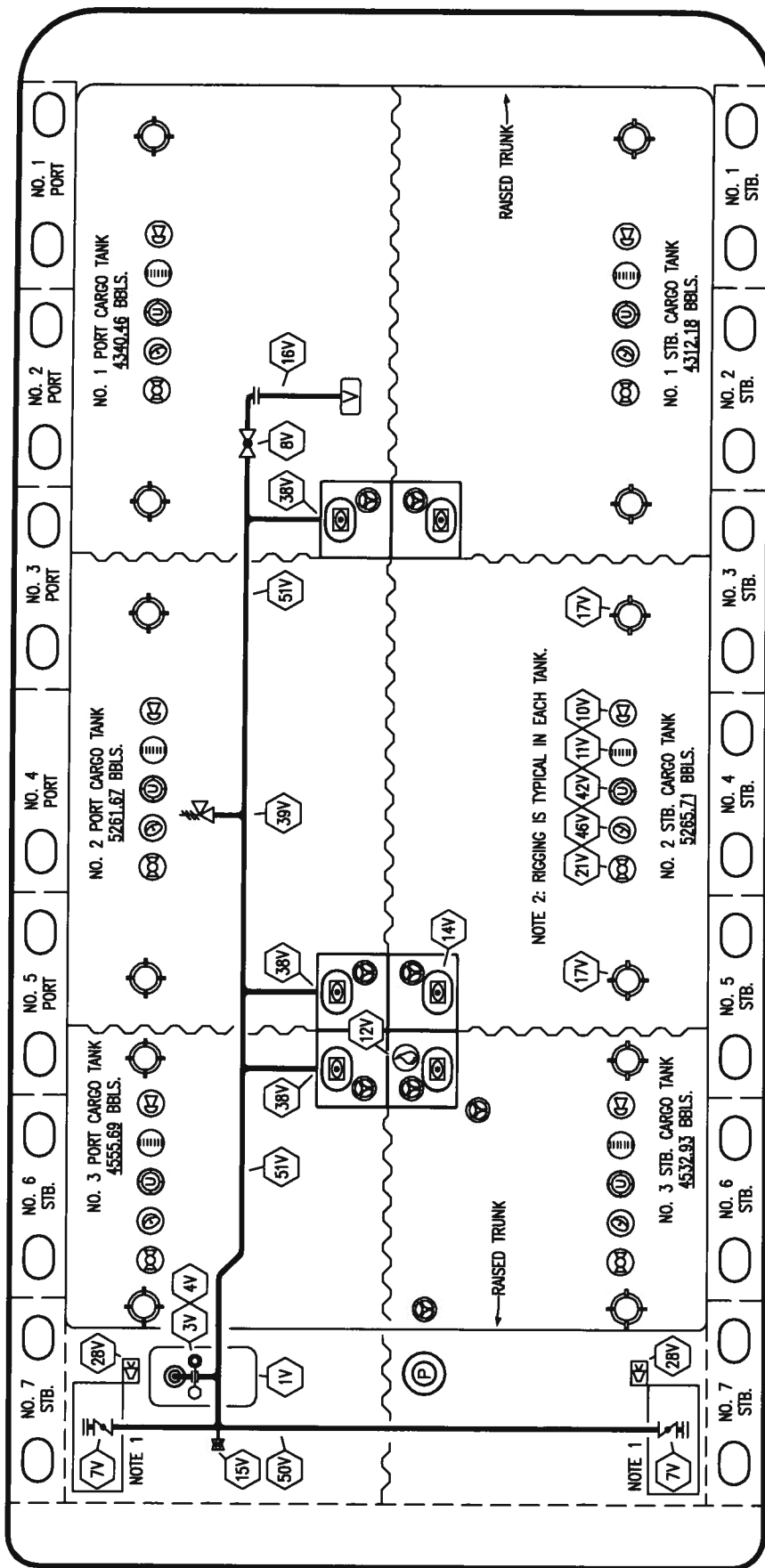


PORT



STERN

BOW

STARBOARD

NO	DESCRIPTION	NO	DESCRIPTION
1V	3000 GAL SLOP TANK	16V	8" VAPOR VENT STACK
3V	2" SLOP TANK VENT PIPING	17V	20" BUTTERWORTH
4V	2" SLOP TANK SPEC VENT VALVE	21V	2" HERMETIC GAUGE
7V	8" HEADER VALVE	38V	8" VAPOR PENETRATION
8V	8" VENT STACK VALVE	39V	6" PRESS/VAC RELIEF VALVE
10V	8" HIGH LEVEL/OVERFILL ALARM	42V	8" ULLAGE HATCH
11V	8" 1-METER GAUGE STICK	46V	2" SOUNDING TUBE
12V	2" HERMETIC SAMPLE	50V	8" VAPOR HEADER
14V	8" SIGHT GLASS	51V	8" VAPOR PIPELINE
15V	2" INSPECTION PORT		ABOVE DECK PIPING

NOTE 1: CONTAINMENT P/S

NOTE 2: RIGGING IS TYPICAL IN EACH TANK.

WEST GULF MARINE - EX: N/A



KIRBY INLAND MARINE

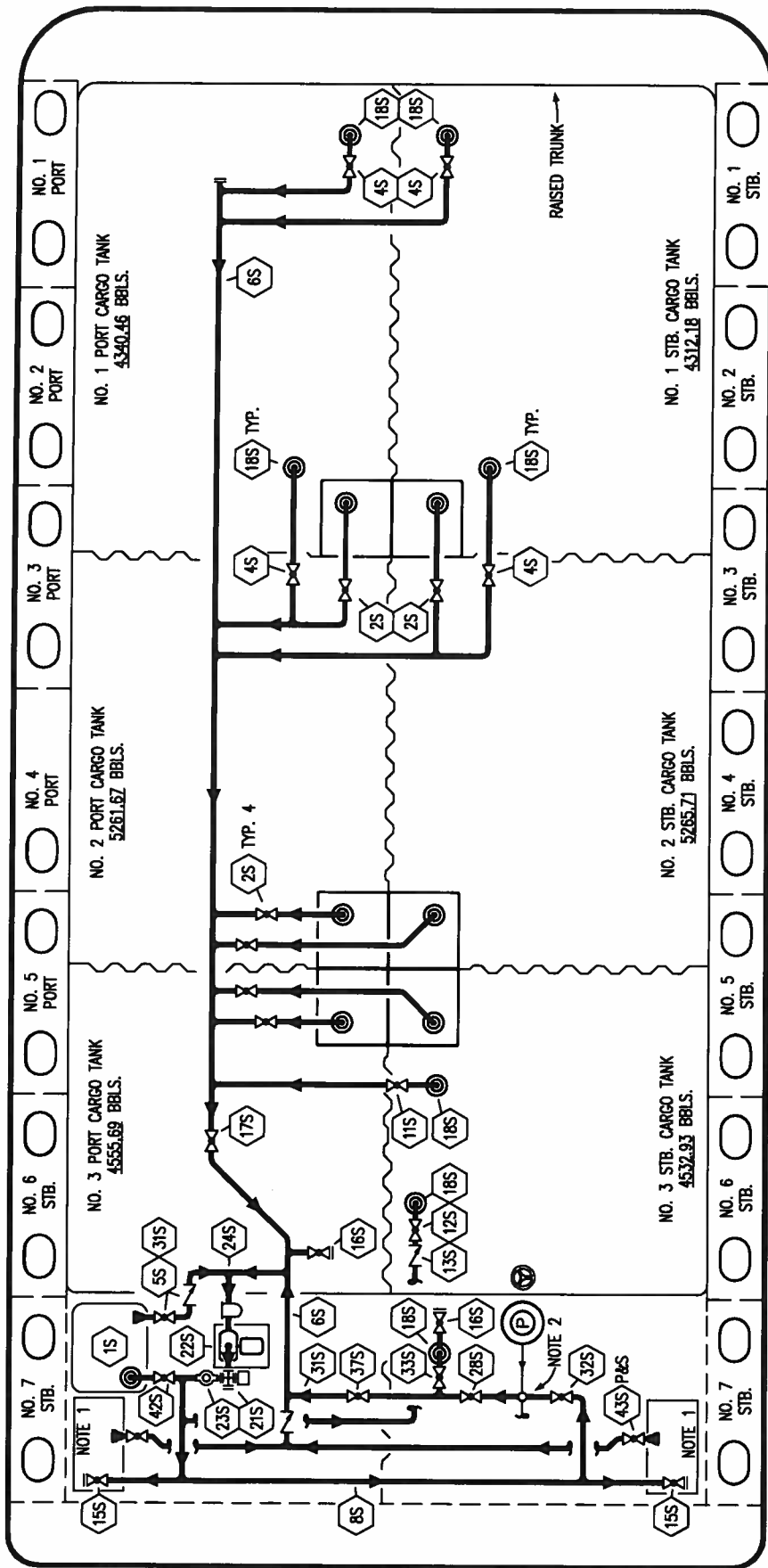
VAPOR

PIPING FLOW DIAGRAM

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION	SCALE:	PAGE	REV.
0	12/07/09	RB	OF	APPROVED		NONE	2 OF 3	0

KIRBY 29007

PORT



STERN

NO. 1

- 1S
- 2S
- 4S
- 5S
- 6S
- 8S
- 11S
- 12S
- 13S
- 15S
- 16S

DESCRIPTION

- 3000 GAL SLOP TANK
- CARGO SUMP SUCTION VALVE
- CARGO TANK SUCTION VALVE
- SLOP TANK SUCTION VALVE
- SUCTION HEADER PIPING
- DISCHARGE HEADER PIPING
- LOWER CARGO PIPELINE SUCTION VALVE
- RETURN TO CARGO TANK VALVE
- RETURN TO CARGO CHECK VALVE
- HEADER DISCHARGE VALVE
- REMOTE SUCTION CONNECTION

- 17S
- 18S
- 21S
- 22S
- 23S
- 24S
- 28S
- 31S
- 32S
- 33S
- 37S

DESCRIPTION

- FORWARD CARGO TANK ISOLATION
- STRIPPING DROP
- PRIMING POT
- STRIPPING PUMP
- 2" PIPE SIGHT GLASS
- BASKET STRAINER
- CARGO PIPING SUCTION
- CHECK VALVE
- PUMP WELL PRIMER VALVE
- PUMP WELL SUCTION VALVE
- BLOCK VALVE

- 42S
- 43S

DESCRIPTION

- SLOP TANK FILL VALVE
- DRIP PAN SUCTION VALVE
- ABOVE DECK PIPING

STARBOARD

NOTE 1: CONTAINMENT P/S

NOTE 2: 28S & 32S CONNECT TO 8" CARGO PUMP DISCHARGE PIPING.

WEST GULF MARINE - EX: N/A



KIRBY INLAND MARINE

STRIPPING

PIPING FLOW DIAGRAM

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION	SCALE:	PAGE	REV.
0	12/07/09	RB	OF	APPROVED		NONE	3 OF 3	0

KIRBY 29007