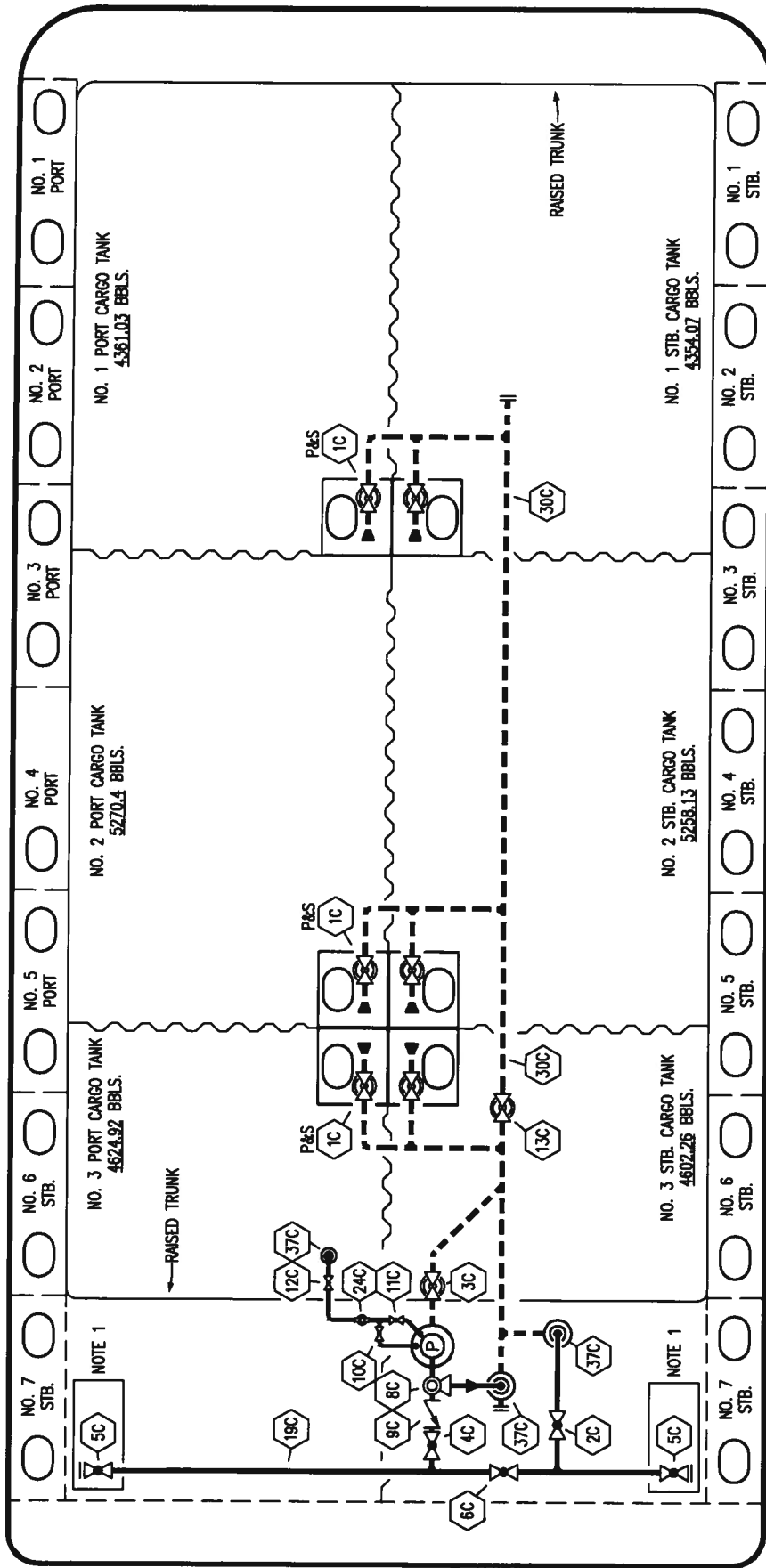




NO	DESCRIPTION
1C	CARGO TANK VALVE
2C	LOAD VALVE
3C	MASTER SUCTION VALVE
4C	DISCHARGE VALVE
5C	HEADER VALVE
6C	SALVAGE VALVE
8C	RELIEF VALVE
9C	CHECK VALVE
10C	1" BURP VALVE
11C	1" BLEED OFF VALVE

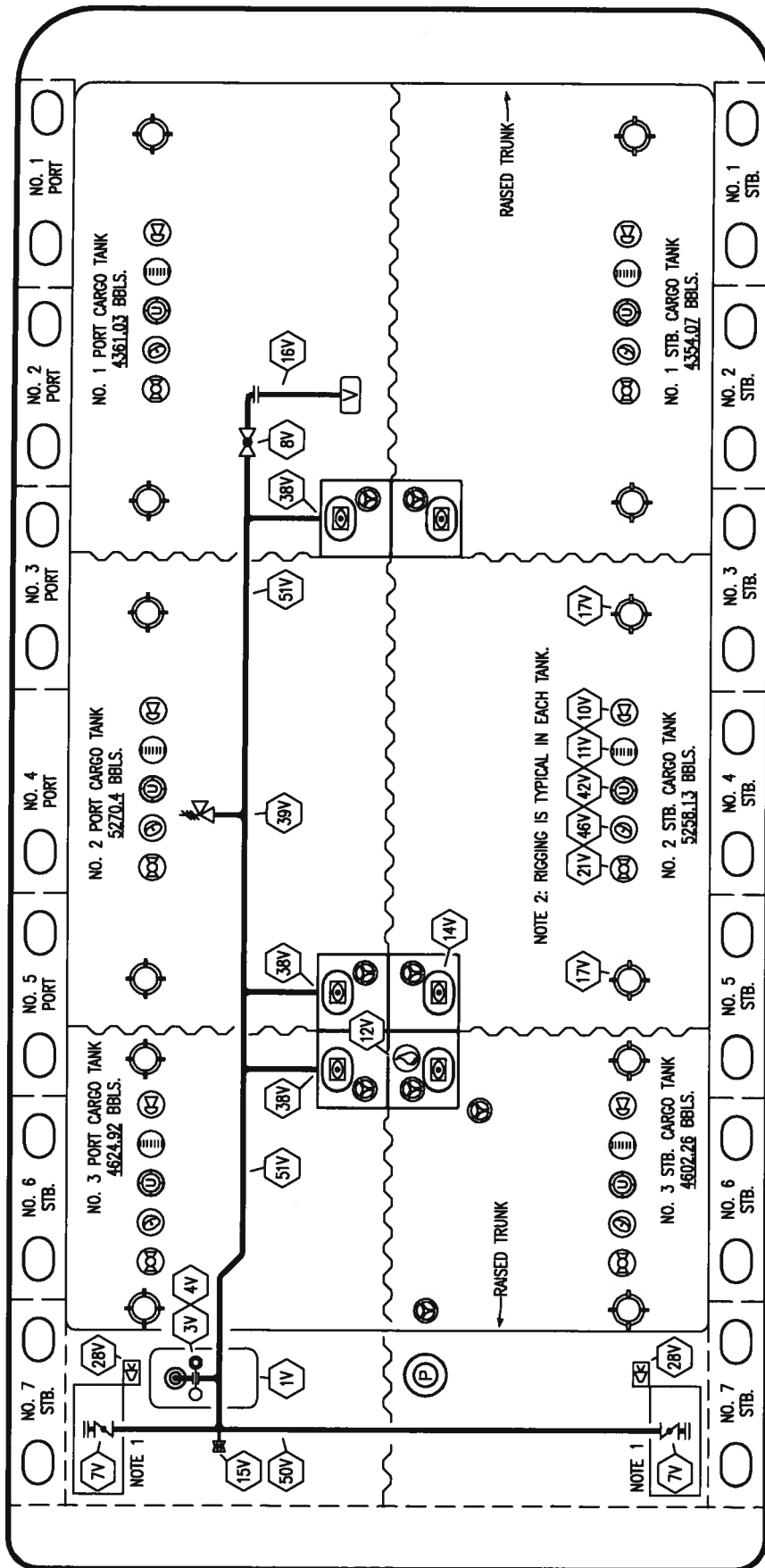
NO	DESCRIPTION
12C	1" BURP VALVE RETURN TO CARGO TANK
13C	CARGO PIPING BLOCK VALVE
19C	CARGO HEADER
24C	1" PIPE FLOW INDICATOR
30C	CARGO PIPELINE
37C	CARGO DROP
---	ABOVE DECK PIPING
---	BELOW DECK PIPING

NOTE 1: CONTAINMENT P/S

WEST GULF MARINE - EX: N/A

KIRBY INLAND MARINE			
CARGO			
PIPING FLOW DIAGRAM			
REV.	SCALE: NONE	PAGE: 1 OF 3	REV. 0
0	11/30/09	RB OF APPROVED	
REV.	DATE	BY CHK APP	REVISION DESCRIPTION

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

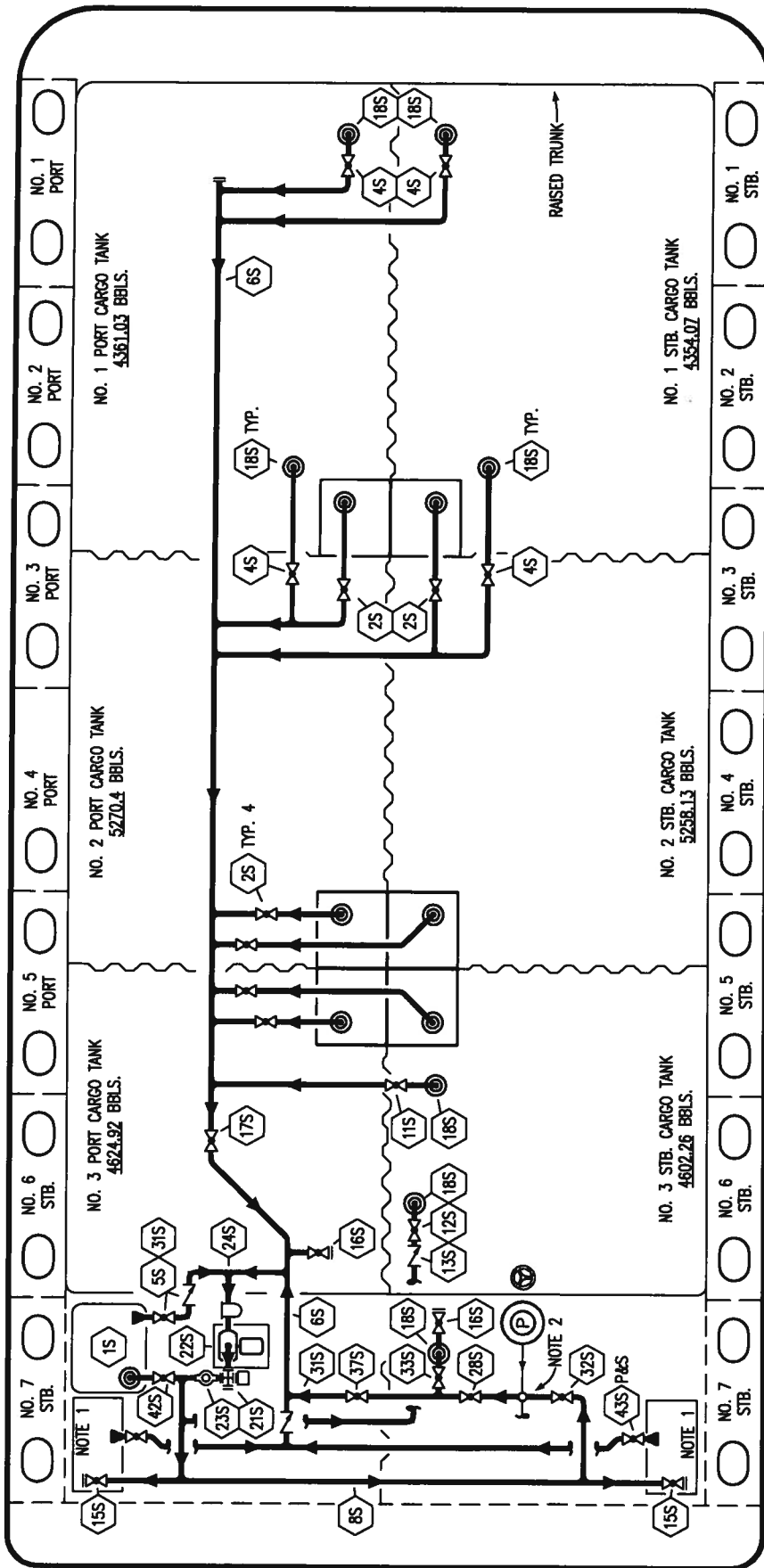
NOTE 1: CONTAINMENT P/S

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
0	11/30/09	RB	OF APPROVED
SCALE: NONE		PAGE: 2 OF 3	
REV.		REV.	
KIRBY 28039		0	

PORT



STERN

BOW

NO	DESCRIPTION	NO	DESCRIPTION	NO	DESCRIPTION	STARBOARD
1S	3000 GAL SLOP TANK	17S	FORWARD CARGO TANK ISOLATION	42S	SLOP TANK FILL VALVE	NOTE 1: CONTAINMENT P/S
2S	CARGO SUMP SUCTION VALVE	18S	STRIPPING DROP	43S	DRIP PAN SUCTION VALVE	NOTE 2: 28S & 32S CONNECT TO 8" CARGO PUMP DISCHARGE PIPING.
4S	CARGO TANK SUCTION VALVE	21S	PRIMING POT		ABOVE DECK PIPING	
5S	SLOP TANK SUCTION VALVE	22S	STRIPPING PUMP			
6S	SUCTION HEADER PIPING	23S	2" PIPE SIGHT GLASS			
8S	DISCHARGE HEADER PIPING	24S	BASKET STRAINER			
11S	LOWER CARGO PIPELINE SUCTION VALVE	28S	CARGO PIPING SUCTION			
12S	RETURN TO CARGO TANK VALVE	31S	CHECK VALVE			
13S	RETURN TO CARGO CHECK VALVE	32S	PUMP WELL PRIMER VALVE			
15S	HEADER DISCHARGE VALVE	33S	PUMP WELL SUCTION VALVE			
16S	REMOTE SUCTION CONNECTION	37S	BLOCK VALVE			

WEST GULF MARINE - EX: N/A



KIRBY INLAND MARINE

STRIPPING PIPING FLOW DIAGRAM

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION	SCALE: NONE	PAGE: 3 OF 3	REV. 0
0	11/30/09	RB	OF	APPROVED				

KIRBY 28039