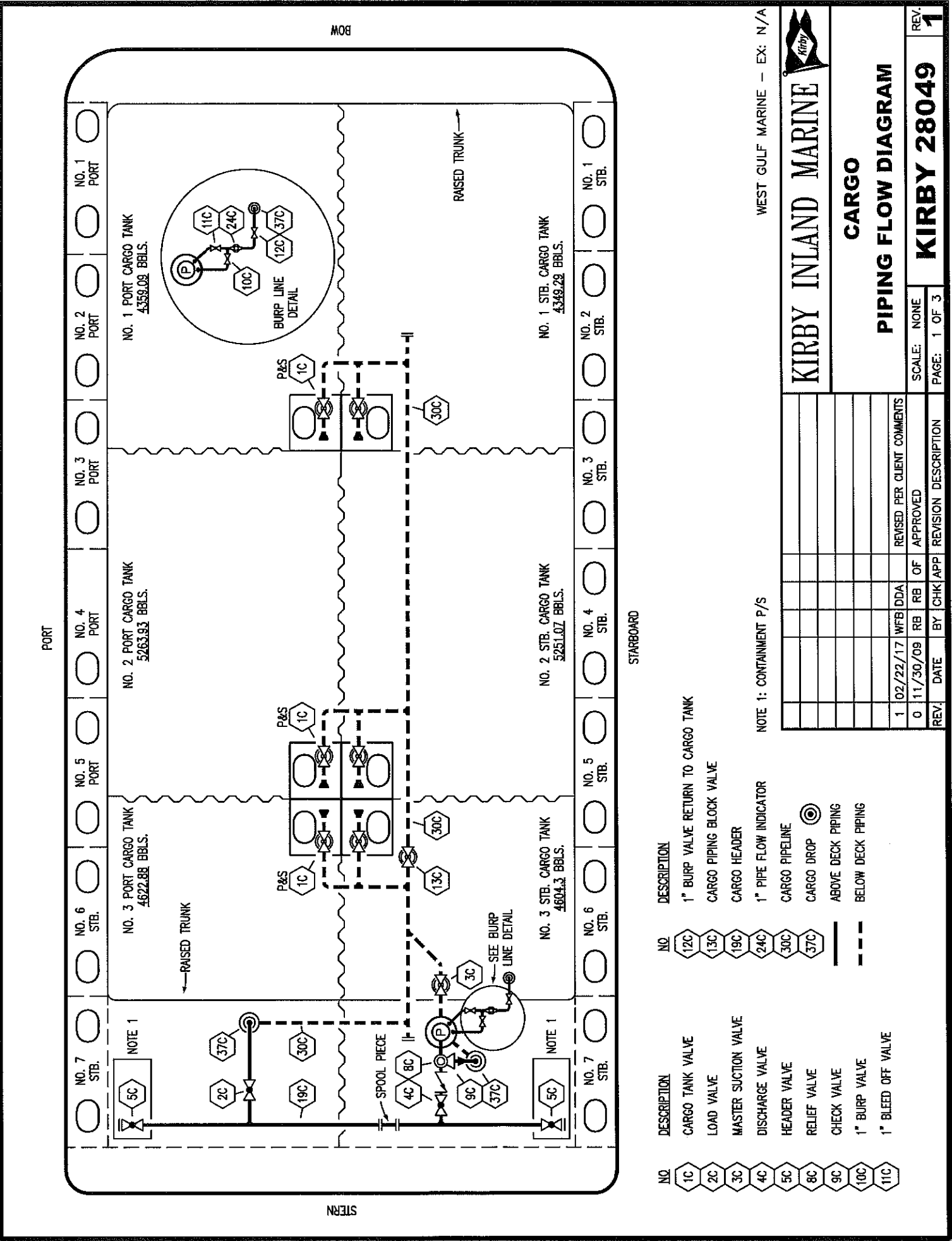
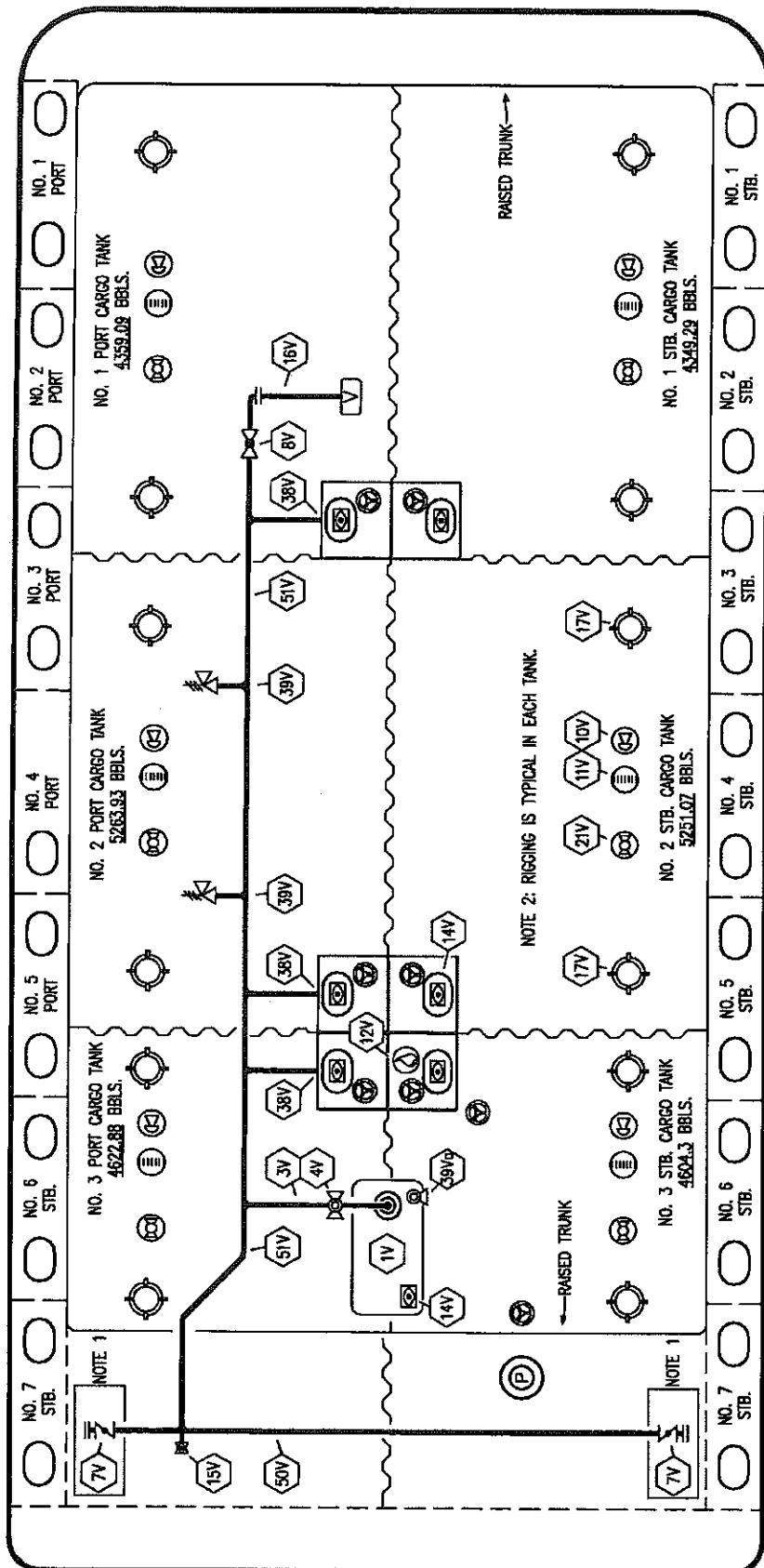




PORT



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
11V	8" 1-METER GAUGE STICK	39Vg	4" PRESS/VAC RELIEF VALVE
10V	8" HIGH LEVEL/OVERFILL ALARM	50V	8" VAPOR HEADER
12V	2" HERMETIC SAMPLE	51V	8" VAPOR PIPELINE
14V	8" SIGHT GLASS		ABOVE DECK PIPING
15V	2" INSPECTION PORT		

NOTE 1: CONTAINMENT P/S
NOTE 2: RIGGING IS TYPICAL IN EACH TANK.

WEST GULF MARINE - EX: N/A



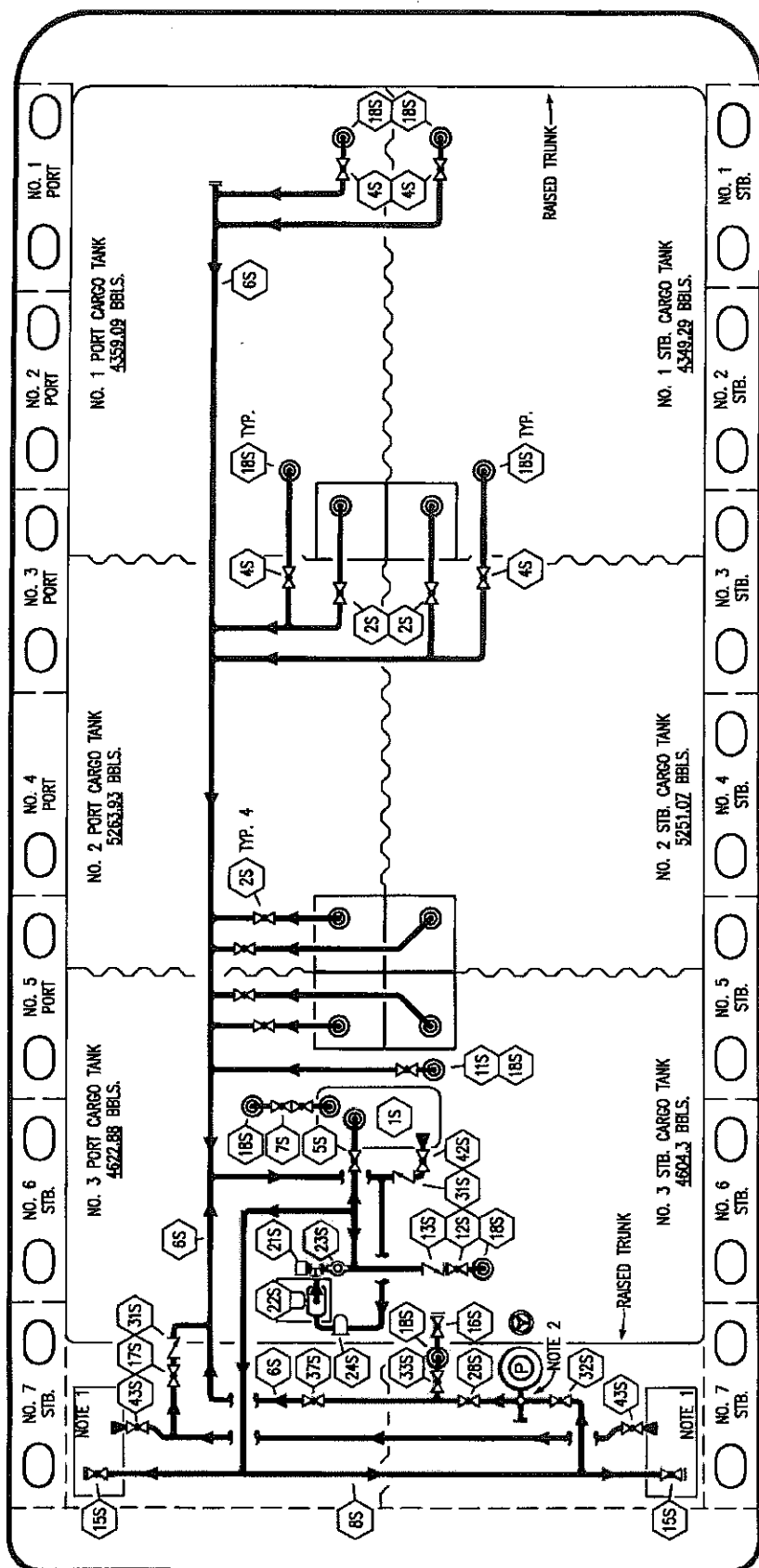
KIRBY INLAND MARINE

VAPOR

PIPING FLOW DIAGRAM

REV.	DATE	BY	CHK	APP	RB	OF	APPROVED	SCALE: NONE	PAGE: 2 OF 3	REV. 0
0	11/30/08	RB	BY	CHK	APP	RB	OF	APPROVED		KIRBY 28049

PORT



DESCRIPTION

NO	15	25	45	55	65	75	85	115	125	135	155
DESCRIPTION	SLOP TANK	CARGO SUMP SUCTION VALVE	CARGO TANK SUCTION VALVE	SLOP TANK SUCTION VALVE	SUCTION HEADER PIPING	VENT VALVE TO CARGO TANK 3	DISCHARGE HEADER PIPING	LOWER CARGO PIPELINE SUCTION VALVE	RETURN TO CARGO TANK VALVE	RETURN TO CARGO CHECK VALVE	HEADER DISCHARGE VALVE

DESCRIPTION

NO	16S	17S	18S	21S	22S	23S	24S	26S	31S	32S	33S
DESCRIPTION	REMOTE SUCTION CONNECTION	FORWARD CARGO TANK ISOLATION	STRIPPING DROP	PRIMING POT	STRIPPING PUMP	2" PPE SIGHT GLASS	BASKET STRAINER	CARGO PIPING SUCTION	CHECK VALVE	PUMP WELL PRIMER VALVE	PUMP WELL SUCTION VALVE

DESCRIPTION

NO	37S	42S	43S
DESCRIPTION	BLOCK VALVE	SLOP TANK FILL VALVE	DRIP PAN SUCTION VALVE

STARBOARD

NOTE 1: CONTAINMENT P/S

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

ABOVE DECK PIPING

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	KIRBY 28049	REV.
D	11/30/09	RB	RB	OF	APPROVED							0