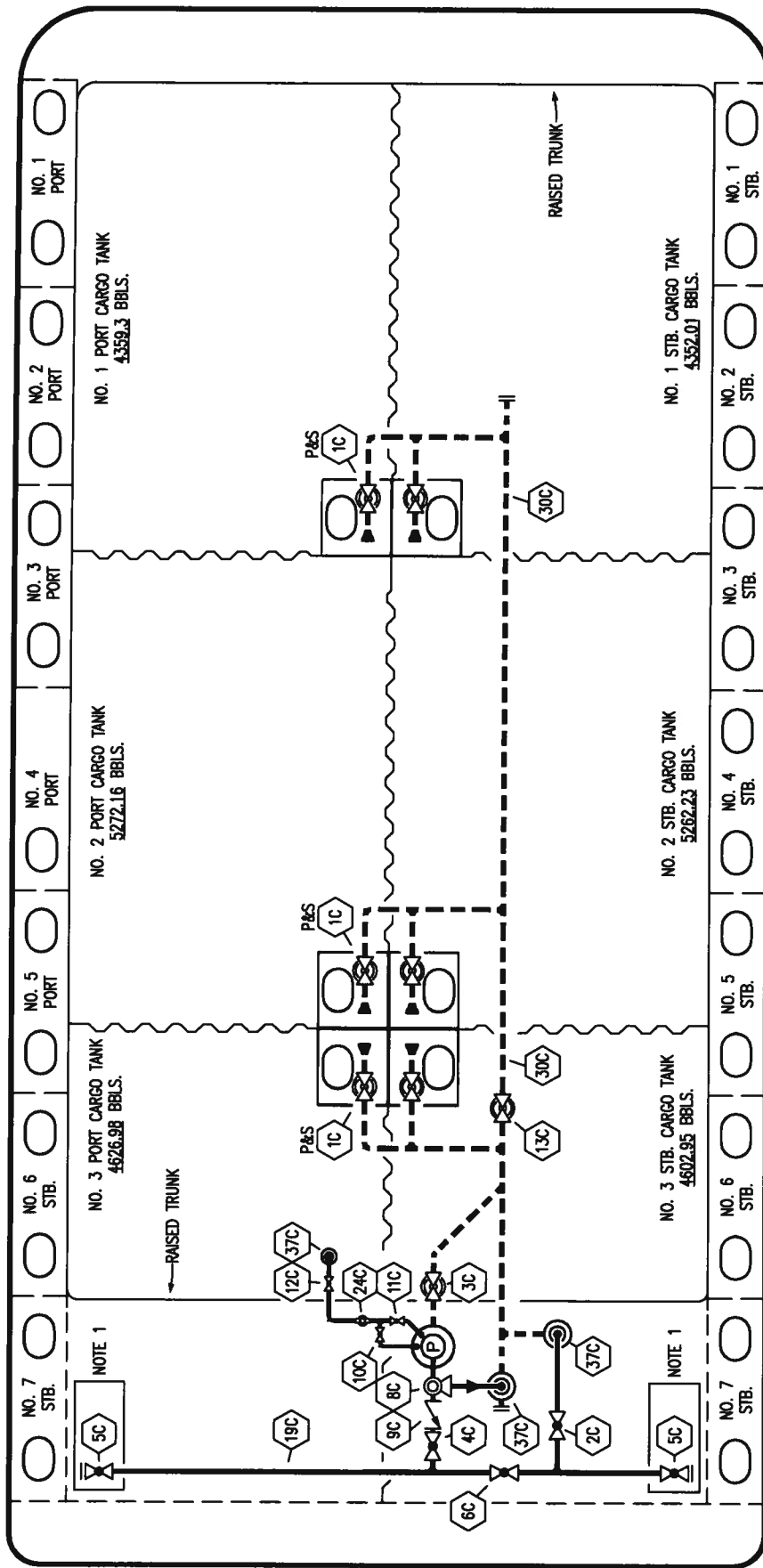




DESCRIPTION		NO		DESCRIPTION		NO	
CARGO TANK VALVE	1C	1" BURP VALVE RETURN TO CARGO TANK	12C	CARGO PIPING BLOCK VALVE	13C	CARGO HEADER	19C
LOAD VALVE	2C					1" PIPE FLOW INDICATOR	24C
MASTER SUCTION VALVE	3C					CARGO PIPELINE	30C
DISCHARGE VALVE	4C					CARGO DROP	37C
HEADER VALVE	5C					ABOVE DECK PIPING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

WEST GULF MARINE - EX: N/A

NOTE 1: CONTAINMENT P/S



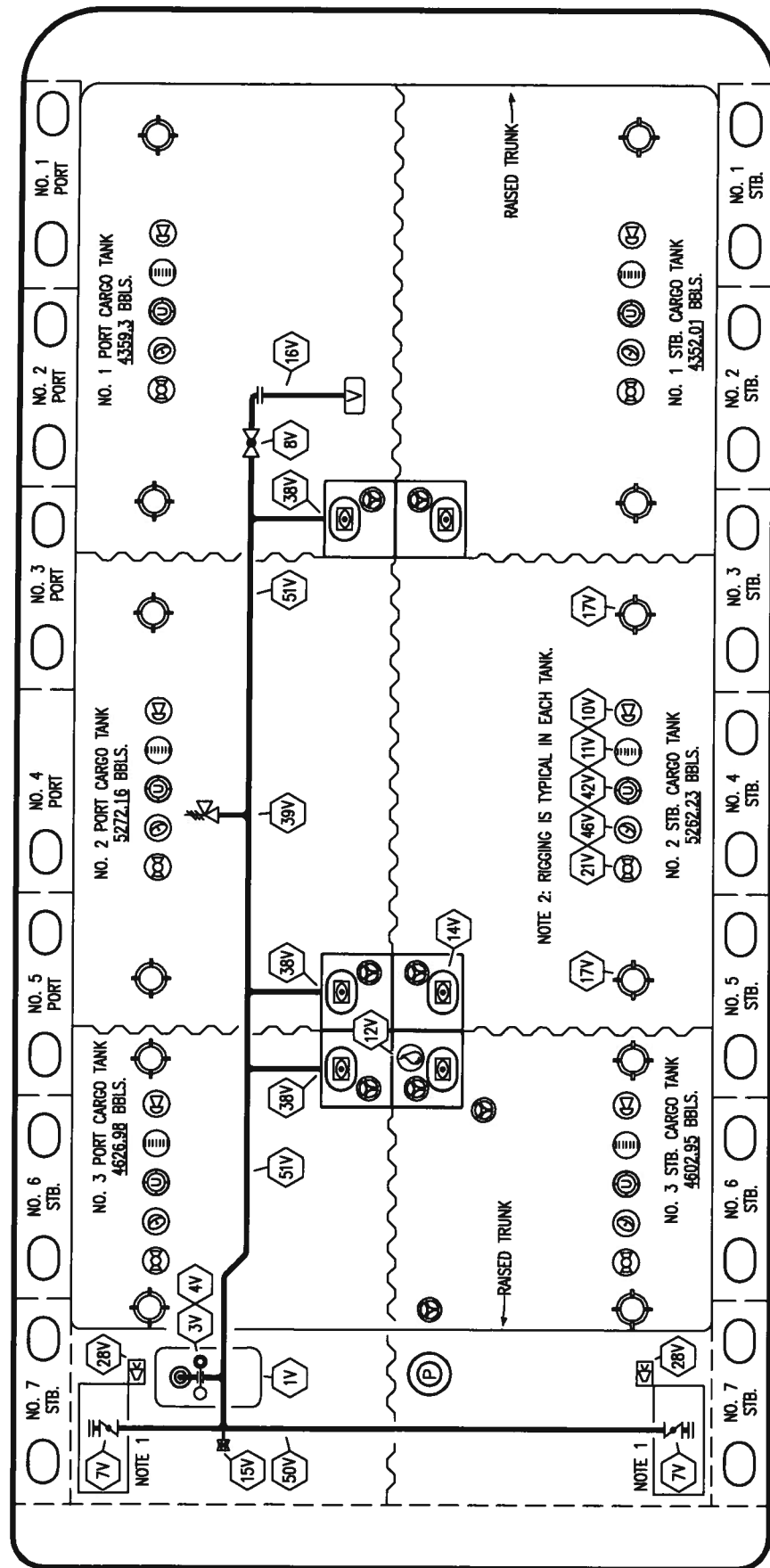
KIRBY INLAND MARINE

CARGO PIPING FLOW DIAGRAM

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION	SCALE:	PAGE:	REV.
0	11/30/09	RB	OF	APPROVED		NONE	1 OF 3	0

KIRBY 28041

PORT



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

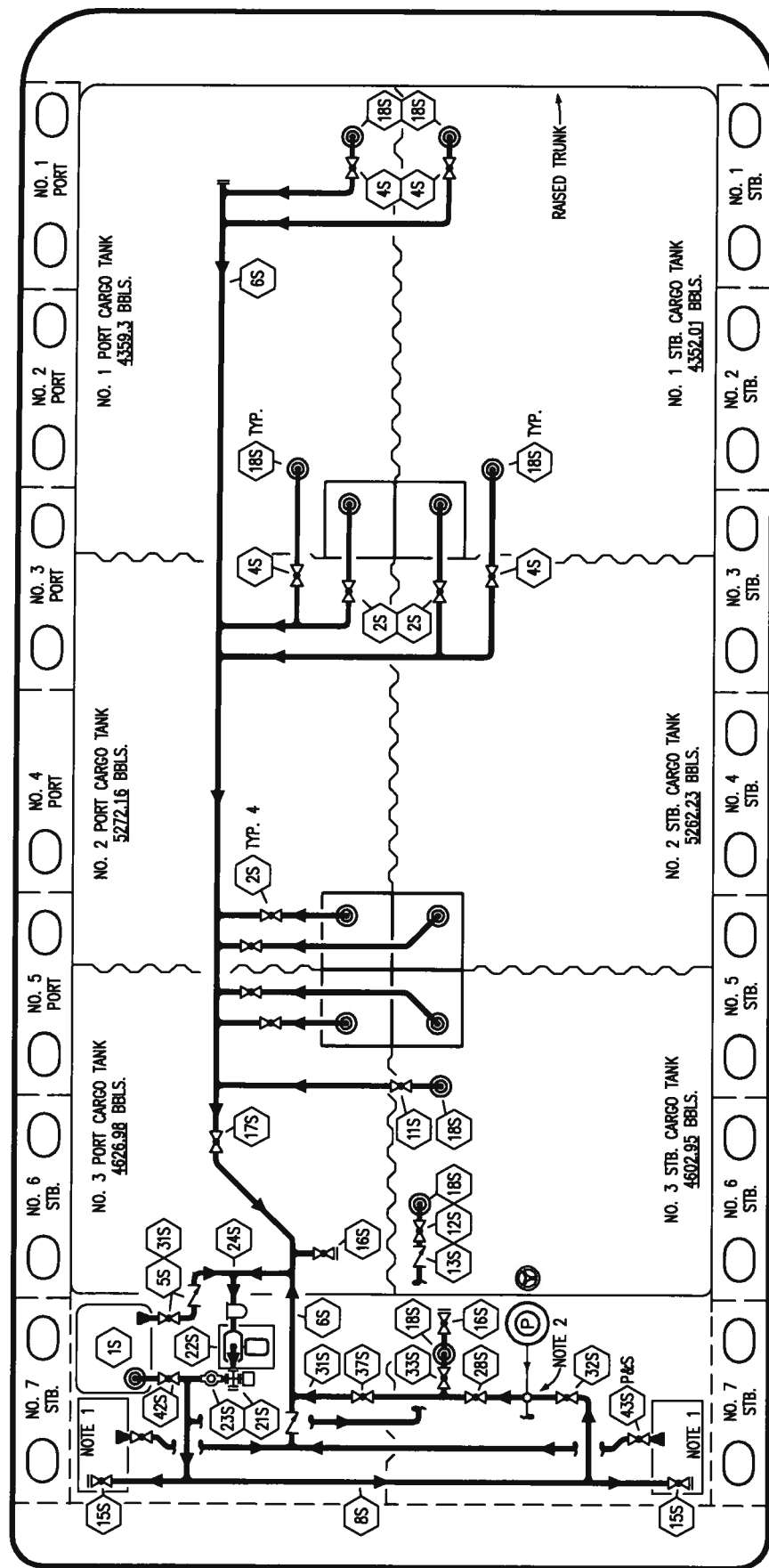
NOTE 1: CONTAINMENT P/S

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
SCALE: NONE		APPROVED	
PAGE: 2 OF 3		REVISION DESCRIPTION	
KIRBY 28041		REV. 0	

PORT



STERN

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 28041