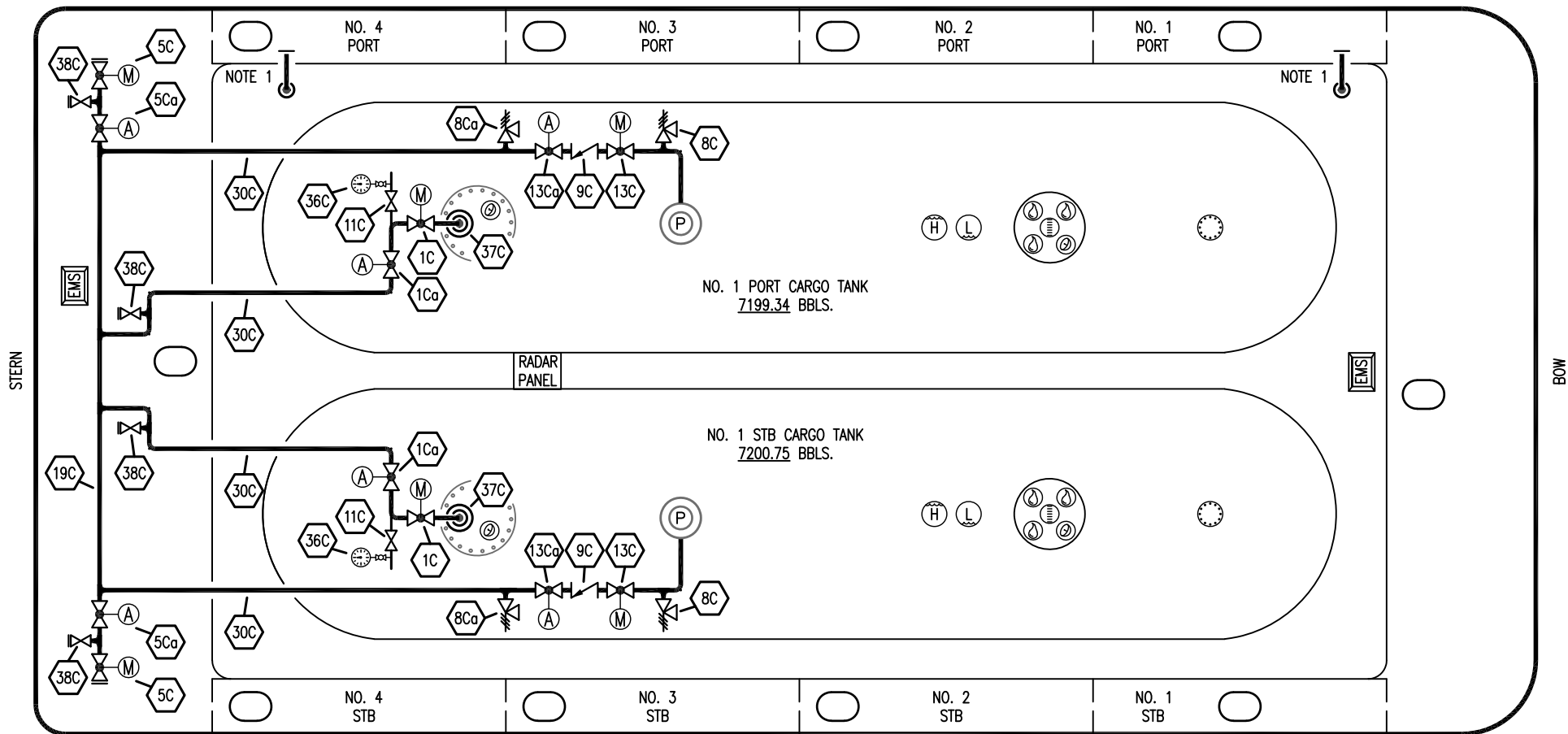


PORT



NO. 1 PORT CARGO TANK
7199.34 BBLs.

NO. 1 STB CARGO TANK
7200.75 BBLs.

STARBOARD

NO	DESCRIPTION	NO	DESCRIPTION
1C	CARGO TANK VALVE, MANUAL	30C	CARGO PIPELINE
1Ca	CARGO TANK VALVE, AIR ACTUATED	36C	PRESSURE GAUGE
5C	HEADER VALVE, MANUAL	37C	CARGO DROP
5Ca	HEADER VALVE, AIR ACTUATED	38C	DRAIN VALVE
8C	RELIEF VALVE	—	ABOVE DECK PIPING
8Ca	RELIEF VALVE		
9C	CHECK VALVE		
11C	BLEED OFF VALVE		
13C	CARGO PIPING BLOCK VALVE, MANUAL		
13Ca	CARGO PIPING BLOCK VALVE, AUTOMATIC		
19C	CARGO HEADER		

NOTE 1: HOPPER BILGE SUCTION CONNECTION

AVONDALE SHIPYARD – EX: CC 116

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
1	02/06/23	MRV	DDA	DAR	REVISED PER CLIENT COMMENTS
0	06/15/09	WK	RB	OF	APPROVED

KIRBY INLAND MARINE 

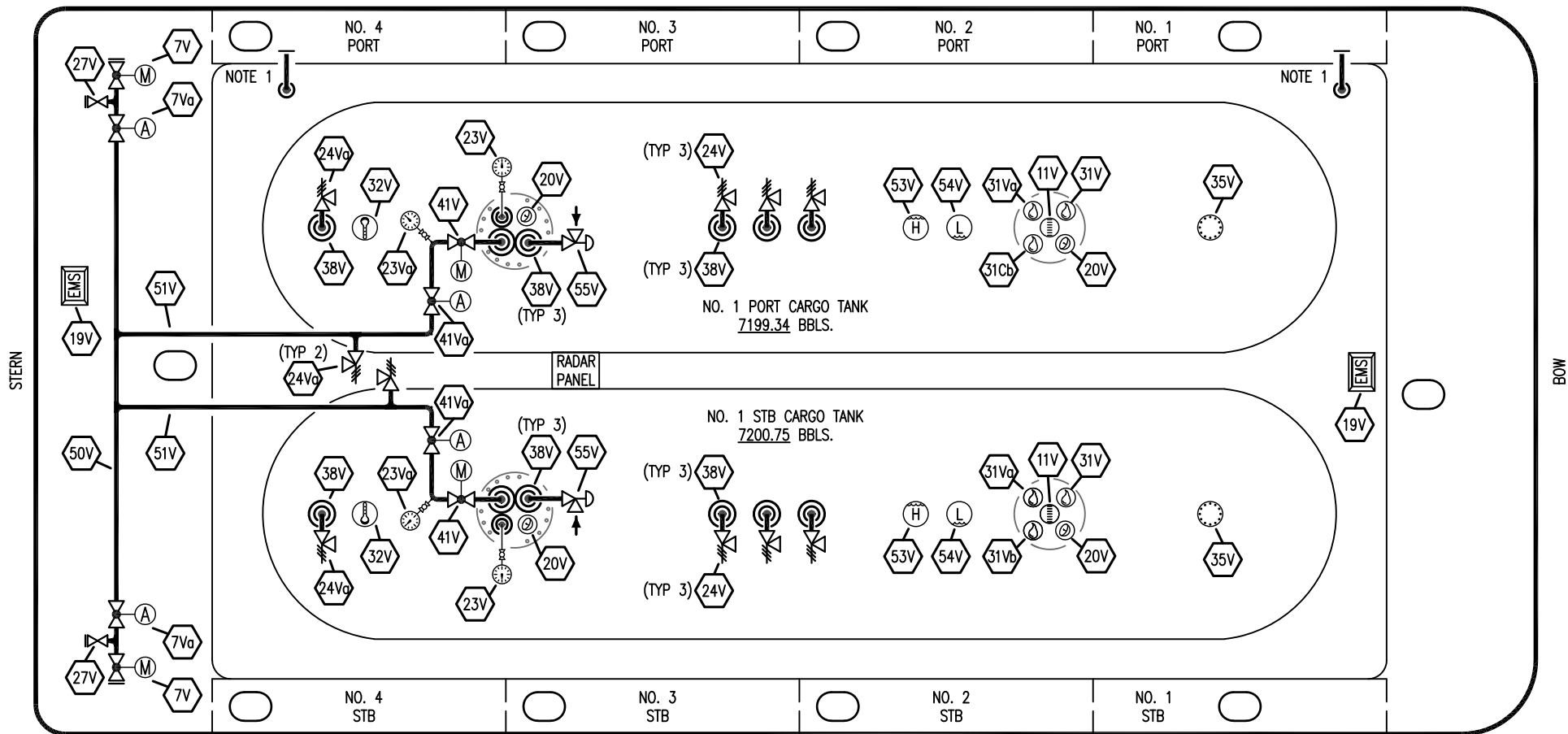
**CARGO
PIPING FLOW DIAGRAM**

SCALE: NONE
PAGE: 1 OF 2

KIRBY 14832

REV. **1**

PORT



NO	DESCRIPTION	NO	DESCRIPTION
7V	HEADER VALVE, MANUAL	32V	TEMPERATURE GAUGE
7Va	HEADER VALVE, ACTUATED	35V	SPARE (NOZZLE)
19V	EMERGENCY SHUTDOWN SYSTEM	38V	VAPOR DROP OR PENETRATION
20V	RADAR GAUGING	41V	VAPOR TANK VALVE, MANUAL
23V	PRESSURE GAUGE	41Va	VAPOR TANK VALVE, ACTUATED
23Va	PRESSURE GAUGE	50V	VAPOR HEADER
24V	PRESSURE RELIEF VALVE	51V	VAPOR PIPELINE
24Va	PRESSURE RELIEF VALVE	53V	HIGH LEVEL GAUGE
27V	BLEED VALVE	54V	LOW LEVEL GAUGE
31V	BOTTOM SAMPLE	55V	VACUUM BREAKER
31Va	MID SAMPLE	—	ABOVE DECK PIPING
31Vb	TOP SAMPLE		

STARBOARD

NOTE 1: HOPPER BILGE SUCTION CONNECTION

AVONDALE SHIPYARD – EX: CC 116

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
1	02/06/23	MRV	DDA	DAR	REVISED PER CLIENT COMMENTS
0	06/15/09	WK	RB	OF	APPROVED

KIRBY INLAND MARINE 

**VAPOR
PIPING FLOW DIAGRAM**

SCALE: NONE
PAGE: 2 OF 2

KIRBY 14832

REV. **1**