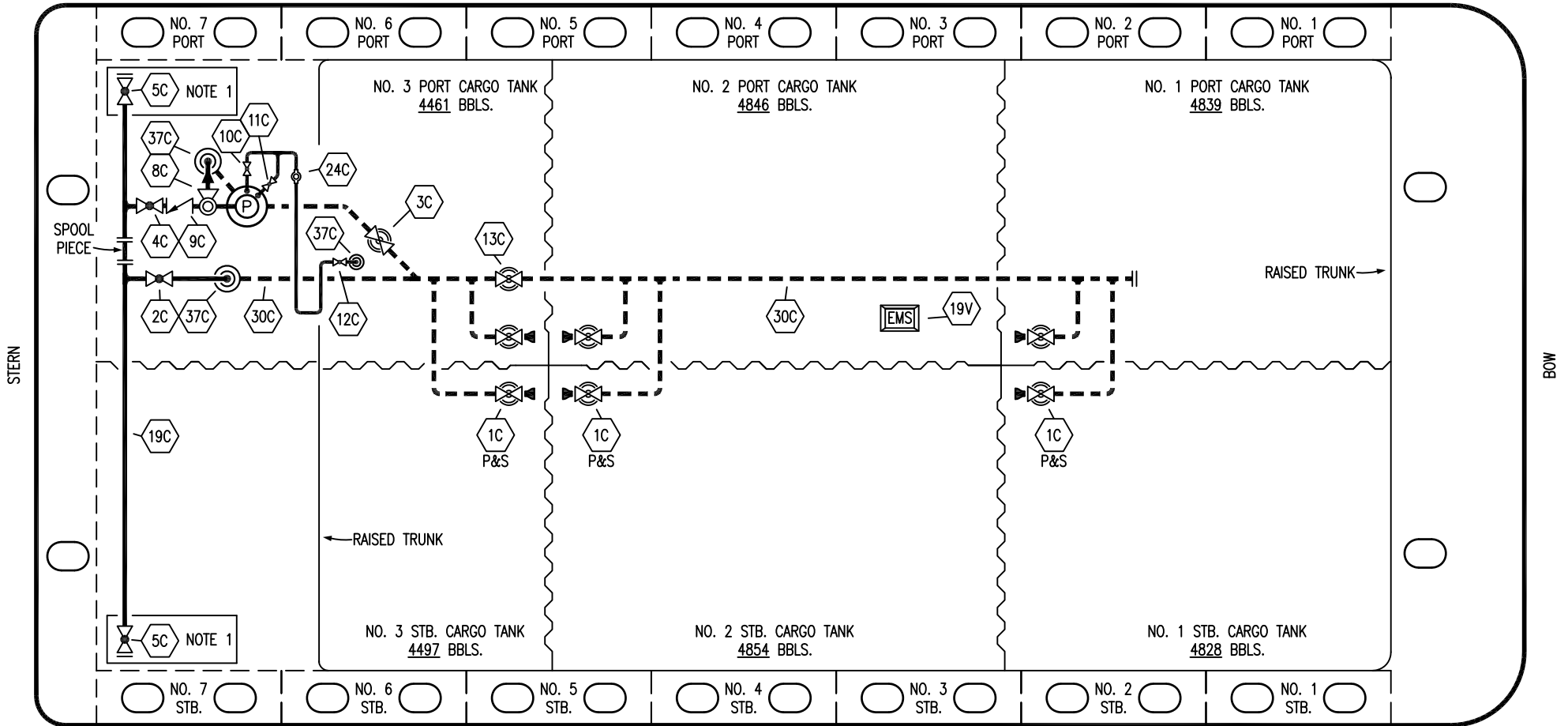


PORT



STARBOARD

- | | | | |
|-----|----------------------|-------|---------------------------------|
| NO | DESCRIPTION | NO | DESCRIPTION |
| 1C | CARGO TANK VALVE | 12C | BURP VALVE RETURN TO CARGO TANK |
| 2C | LOAD VALVE | 13C | CARGO PIPING BLOCK VALVE |
| 3C | MASTER SUCTION VALVE | 19C | CARGO HEADER |
| 4C | DISCHARGE VALVE | 19V | EMERGENCY ENGINE SHUT DOWN |
| 5C | HEADER VALVE | 24C | FLOW INDICATOR |
| 8C | RELIEF VALVE | 30C | CARGO PIPELINE |
| 9C | CHECK VALVE | 37C | CARGO DROP |
| 10C | BURP VALVE | — | — ABOVE DECK PIPING |
| 11C | BLEED OFF VALVE | - - - | - - - BELOW DECK PIPING |

NOTE 1: CONTAINMENT P/S

TRINITY

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
4	03/09/17	WFB	DDA		REVISED PER CLIENT COMMENTS
3	08/03/16	MRV	WFB		REVISED PER CLIENT COMMENTS
2	11/07/13	DCB	DDA		MOVED 13C
1	03/08/11	DCB	DDA		REVISED TANK CAPACITY
A	01/07/11	BAG	RB	OF	FOR APPROVAL

KIRBY INLAND MARINE

**CARGO
PIPING FLOW DIAGRAM**

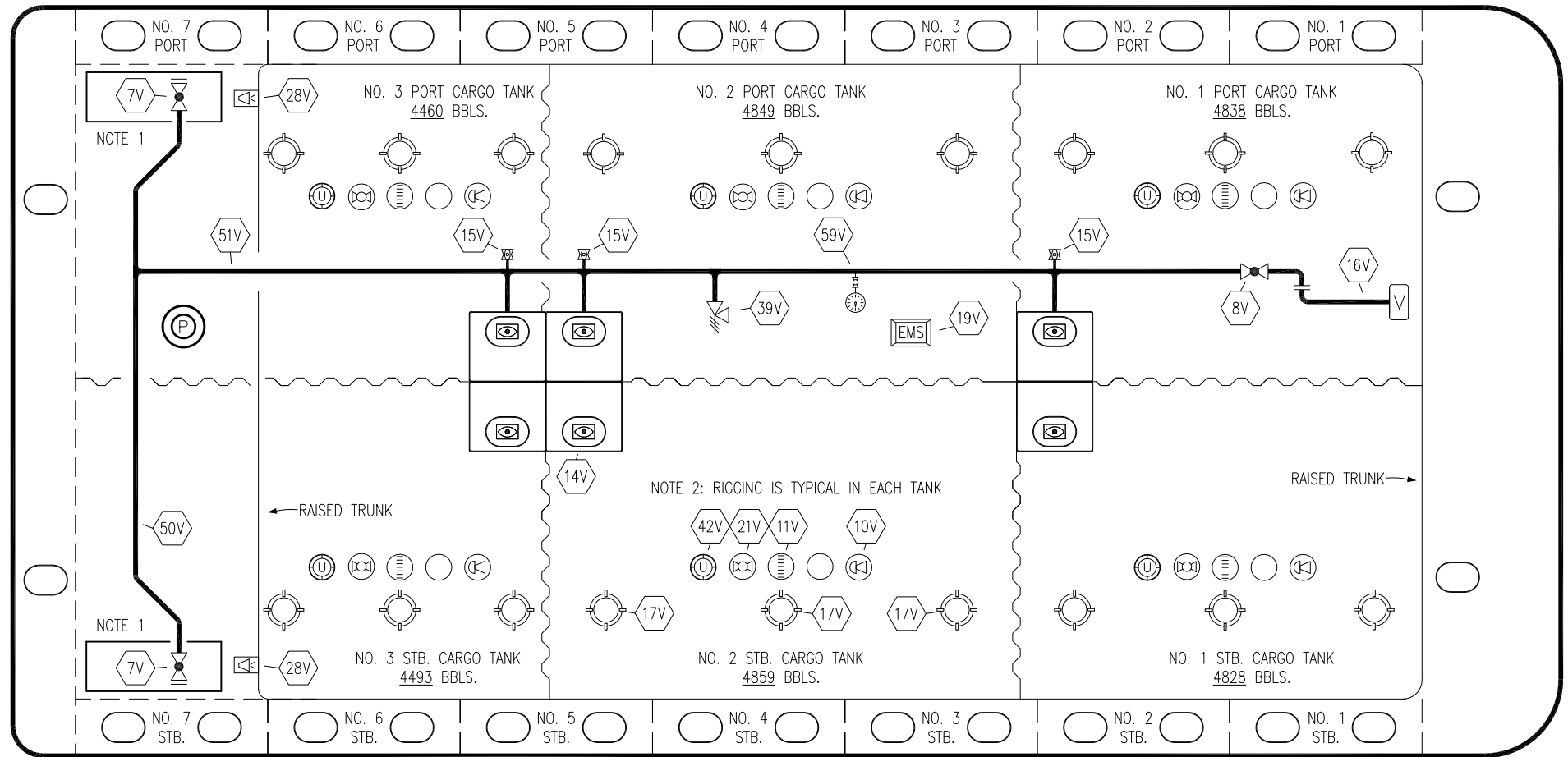
SCALE: NONE
PAGE: 1 OF 3

KIRBY 28190 REV. **4**

PORT

STERN

BOW



STARBOARD

NO	DESCRIPTION	NO	DESCRIPTION
7V	8" HEADER VALVE	21V	2" HERMETIC GAUGE
8V	8" VENT STACK VALVE	28V	DOCK CONNECTION ALARM
10V	8" HIGH LEVEL/OVERFILL ALARM	39V	PRESS/VAC RELIEF VALVE
11V	8" 1-METER STICK GAUGE	42V	8" ULLAGE HATCH
14V	6" SIGHT GLASS W/GAUGE TREE	50V	8" VAPOR HEADER
15V	2" INSPECTION PORT	51V	8" VAPOR PIPELINE
16V	8" VAPOR VENT STACK	59V	PRESS/VAC GAUGE
17V	14" BUTTERWORTH	—	ABOVE DECK PIPING
19V	EMERGENCY ENGINE SHUT DOWN		

NOTE 1: CONTAINMENT P/S

NOTE 2: RIGGING IS TYPICAL IN EACH TANK

TRINITY

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
1	08/03/16	MRV	WFB		REVISION PER CLIENT COMMENTS
0	03/07/12	BTR	DDA		ISSUED FOR APPROVAL

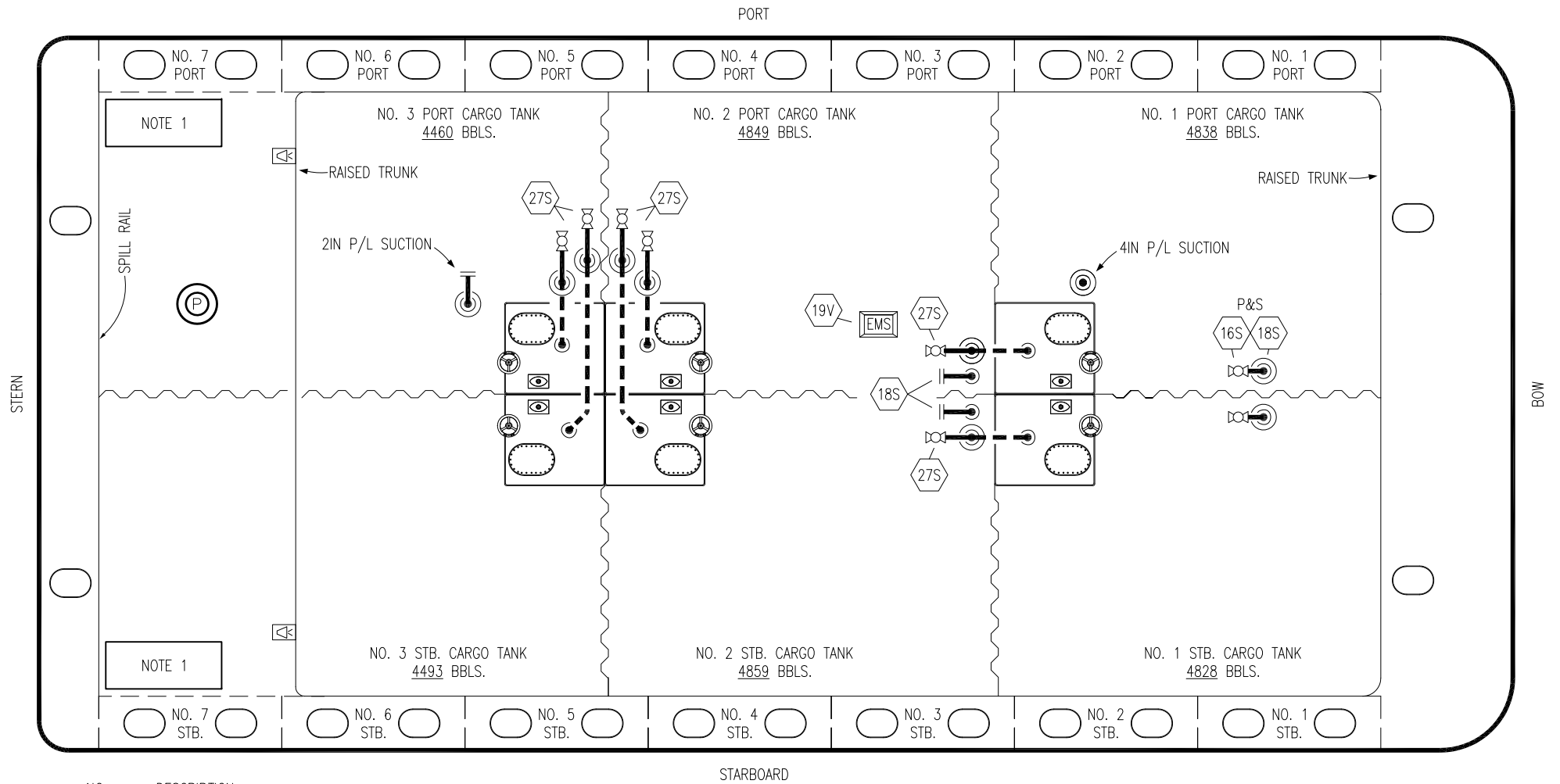
KIRBY INLAND MARINE 




**VAPOR
PIPING FLOW DIAGRAM**

SCALE: NONE
PAGE: 2 OF 3

KIRBY 28190

REV. **1**



- | NO | DESCRIPTION |
|---|---|
| 16S | REMOTE SUCTION CONNECTION |
| 18S | TYP. STRIPPING DROP  |
| 19V | EMERGENCY ENGINE SHUT DOWN |
| 27S | SUMP SUCTION VALVE |
|  | ABOVE DECK PIPING |
|  | BELOW DECK PIPING |

NOTE 1: CONTAINMENT P/S

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
3	08/03/16	MRV	WFB		REVISED PER CLIENT COMMENTS
2	11/07/13	DCB	DDA		REVISED PIPING
1	03/01/11	DCB	DDA		REVISED CARGO CAPACITY
0	10/14/11	JN	DDA		ISSUED FOR APPROVAL



KIRBY INLAND MARINE

STRIPPING
PIPING FLOW DIAGRAM

SCALE: NONE	KIRBY 28190	REV. 3
PAGE: 3 OF 3		

TRINITY