


- | | | | |
|-----|----------------------|-------|---------------------------------|
| 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 | 24C | FLOW INDICATOR |
| 5C | HEADER VALVE | 30C | CARGO PIPELINE |
| 6C | SALVAGE VALVE | 31C | 2" BYPASS VALVE |
| 8C | RELIEF VALVE | 36C | PRESSURE GAUGE |
| 9C | CHECK VALVE | 37C | CARGO DROP |
| 10C | BURP VALVE | — | — ABOVE DECK PIPING |
| 11C | BLEED OFF VALVE | - - - | - - - BELOW DECK PIPING |

NOTE 1: CONTAINMENT P/S

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
4	04/07/21	CJG	DDA	JF	REVISED PER CLIENT COMMENTS
3	03/21/19	MRV	DDA		REVISED PER CLIENT COMMENTS
2	05/29/18	WFB	DDA		ADDED 2" BYPASS VALVE
1	12/08/15	BB	DDA		REVISED PER CLIENT COMMENTS
0	11/07/12	MG	DDA		ISSUED FOR APPROVAL



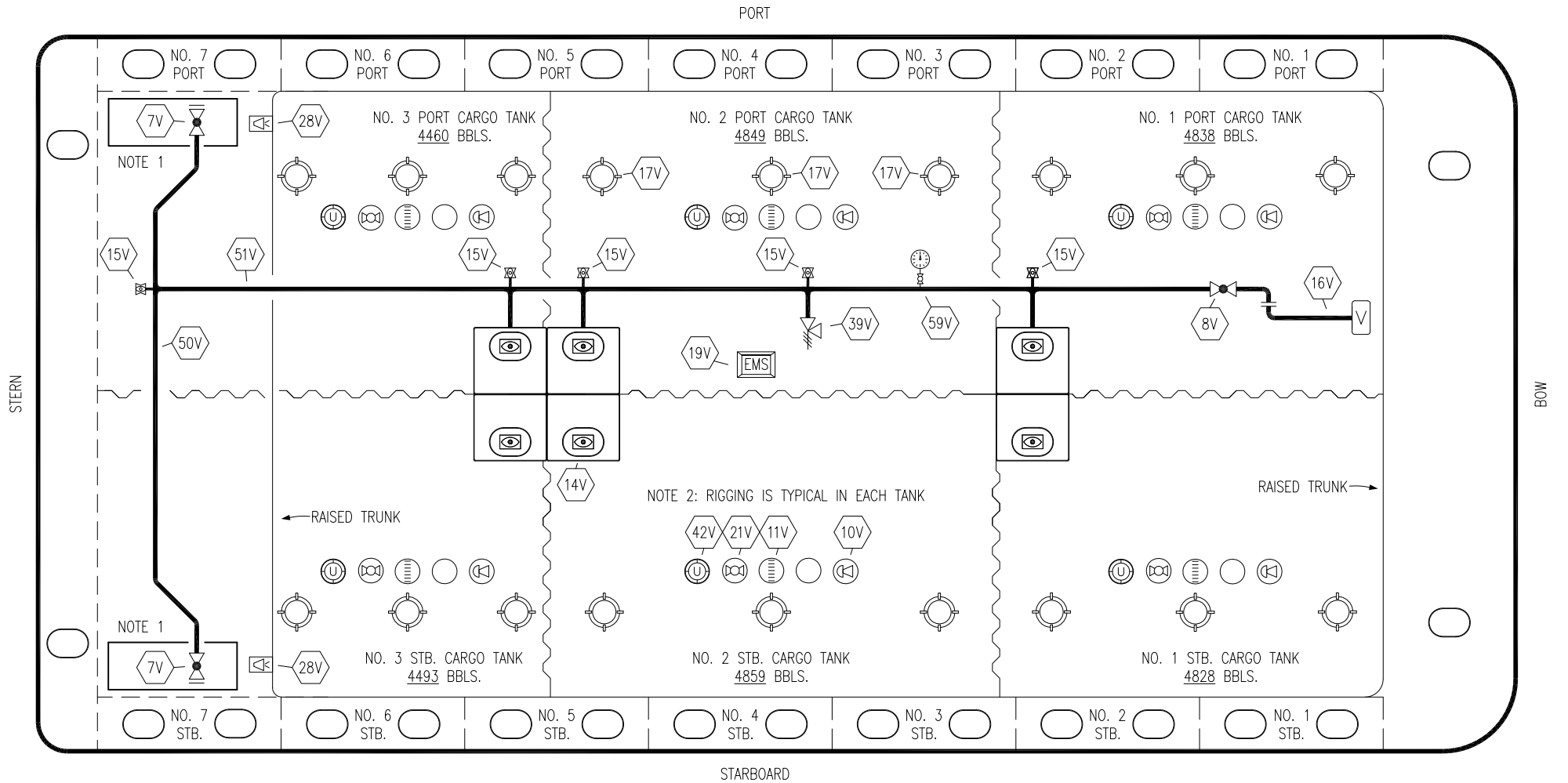
KIRBY INLAND MARINE

CARGO

PIPING FLOW DIAGRAM

KIRBY 29107


SCALE: NONE	REV. 4
PAGE: 1 OF 3	



NO	DESCRIPTION	NO	DESCRIPTION
7V	8" HEADER VALVE	21V	2" HERMETIC GAUGE
8V	8" VENT STACK VALVE	27V	1/4" TEST CONNECTION VALVE
10V	8" HIGH LEVEL/OVERFILL ALARM	28V	DOCK CONNECTION ALARM
11V	8" 1-METER STICK GAUGE	39V	PRESS/VAC RELIEF VALVE
14V	6" SIGHT GLASS W/GAUGE TREE	42V	8" ULLAGE HATCH
15V	2" INSPECTION PORT	50V	8" VAPOR HEADER
16V	8" VAPOR VENT STACK	51V	8" VAPOR PIPELINE
17V	14" BUTTERWORTH	59V	PRESS/VAC GAUGE
18V	2" RESTRICTIVE GAUGE TUBE	—	—
19V	EMERGENCY ENGINE SHUT DOWN	—	—

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

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
2	03/21/19	MRV	DDA		REVISED PER CLIENT COMMENTS
1	03/10/15	BB	DDA		REVISED PER CLIENT COMMENTS
0	11/07/12	MG	DDA		ISSUED FOR APPROVAL



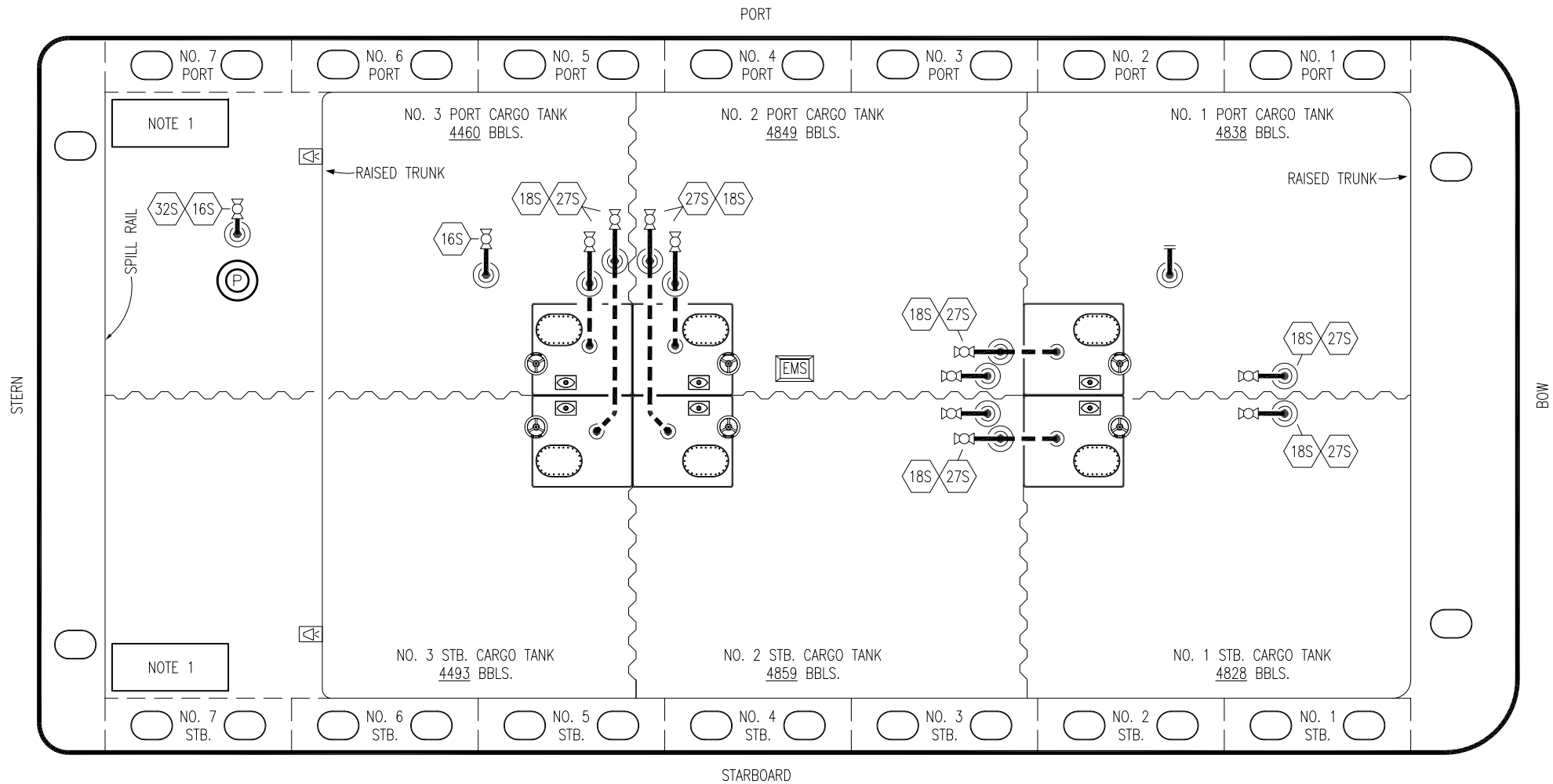
KIRBY INLAND MARINE

VAPOR

PIPING FLOW DIAGRAM

KIRBY 29107

SCALE: NONE	REV. 2
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- | NO | DESCRIPTION |
|-----|---------------------------|
| 16S | REMOTE SUCTION CONNECTION |
| 18S | TYP. STRIPPING DROP |
| 27S | SUMP SUCTION VALVE |
| 32S | PUMP WELL PRIMER VALVE |
| | ABOVE DECK PIPING |
| | BELOW DECK PIPING |

NOTE 1: CONTAINMENT P/S

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
1	03/21/19	MRV	DDA		REVISED PER CLIENT COMMENTS
0	11/07/12	MG	DDA		ISSUED FOR APPROVAL

KIRBY INLAND MARINE

STRIPPING
PIPING FLOW DIAGRAM

SCALE: NONE	KIRBY 29107	REV. 1
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