

- | | |
|-----|-------------------------|
| NO | DESCRIPTION |
| 1C | CARGO TANK HIGH SUCTION |
| 1Ca | CARGO TANK LOW SUCTION |
| 2C | LOAD VALVE |
| 3C | MASTER SUCTION VALVE |
| 4C | DISCHARGE VALVE |
| 5C | HEADER VALVE |
| 6C | SALVAGE VALVE |
| 8C | RELIEF VALVE |

- | | |
|-------|-------------------------|
| NO | DESCRIPTION |
| 9C | CHECK VALVE |
| 11C | BLEED OFF VALVE |
| 19C | CARGO HEADER |
| 30C | CARGO PIPELINE |
| 36C | PRESSURE GAUGE |
| 37C | CARGO DROP |
| — | — ABOVE DECK PIPING |
| - - - | - - - BELOW DECK PIPING |

NOTE 1: CONTAINMENT P/S

TRINITY MARINE

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
2	03/28/23	MRV	DDA	DC	REVISED PER CLIENT COMMENTS
1	12/03/18	MRV	DDA	OF	ADDED HOT OIL DIAGRAM
0	11/23/09	RB	RB	OF	APPROVED

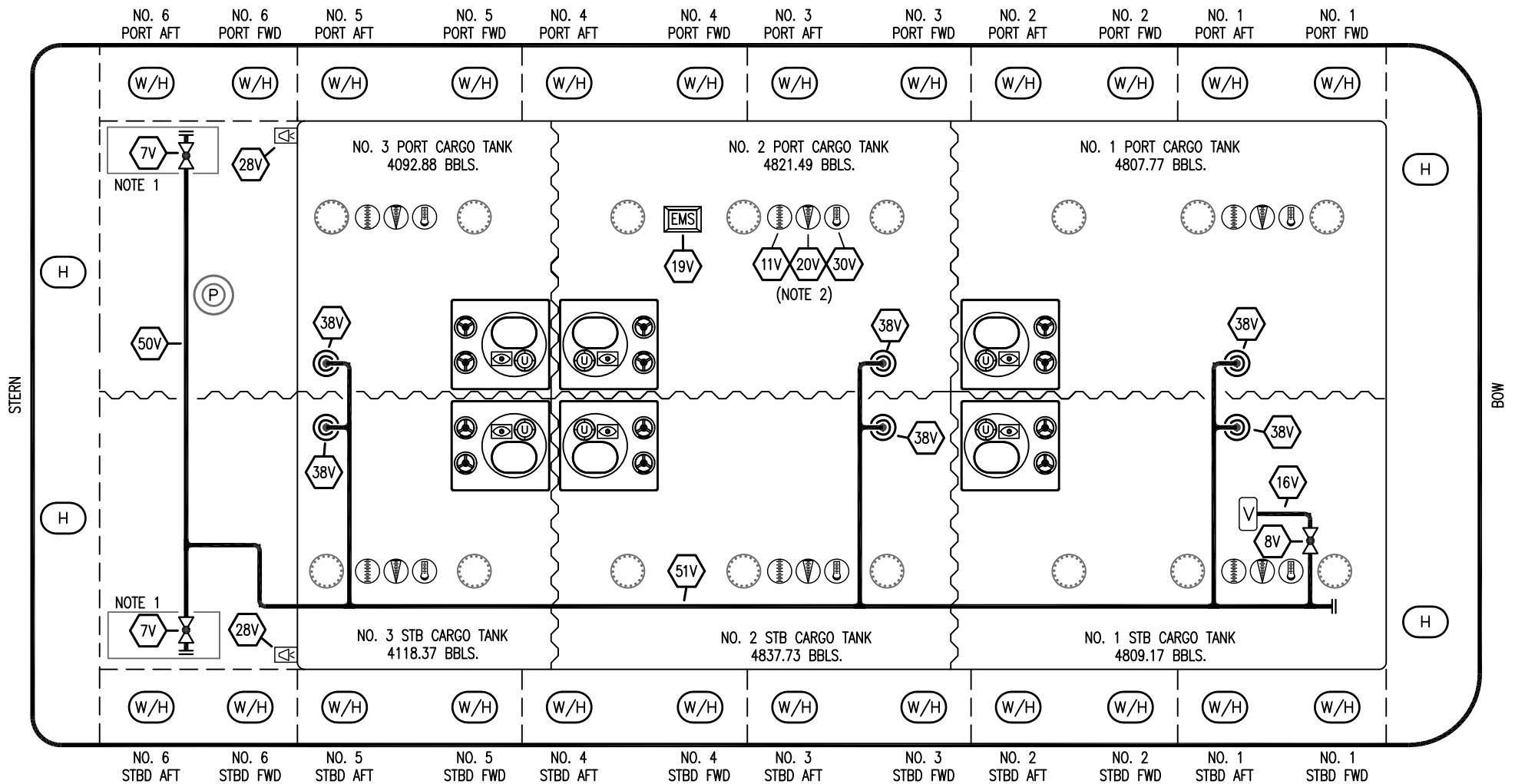
KIRBY INLAND MARINE 

**CARGO
PIPING FLOW DIAGRAM**

SCALE: NONE
PAGE: 1 OF 3

KIRBY 27724

REV. **2**




- | | |
|-----|--|
| NO | DESCRIPTION |
| 7V | HEADER VALVE |
| 8V | VENT STACK VALVE |
| 11V | 1-METER GAUGE STICK |
| 16V | VAPOR VENT STACK |
| 19V | EMERGENCY ENGINE SHUT DOWN |
| 20V | PORTABLE TEMPERATURE DISPLAY UNIT (PTDU) |
| 28V | DOCK CONNECTION ALARM |
| 30V | THERMAL WELL WITH PIPE CAP |

- | | |
|-----|-------------------------------|
| NO | DESCRIPTION |
| 38V | VAPOR DROP OR PENETRATION (⊙) |
| 39V | PRESSURE/VACUUM RELIEF VALVE |
| 40V | SLOP TANK SUCTION VALVE |
| 50V | VAPOR HEADER |
| 51V | VAPOR PIPELINE |
| — | ABOVE DECK PIPING |

NOTE 2: TYPICAL RIGGING IN EACH TANK
 NOTE 1: 6 BARREL DRIP PAN

TRINITY MARINE

0	03/28/23	MRV	DDA	DC	ISSUED FOR APPROVAL
REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION

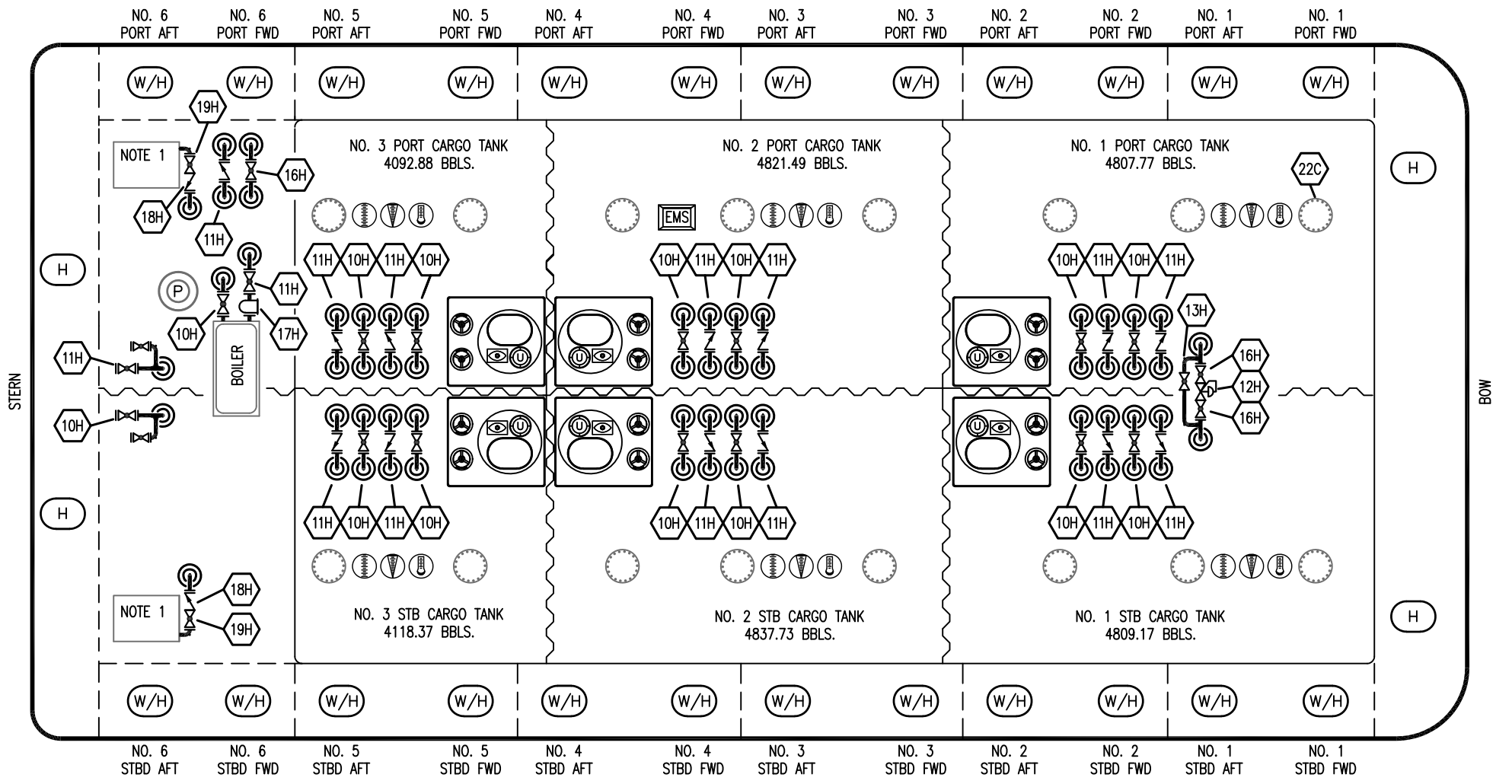


KIRBY INLAND MARINE

VAPOR PIPING FLOW DIAGRAM

KIRBY 27724

SCALE: NONE
 PAGE: 2 of 3



- | NO | DESCRIPTION |
|-----|----------------------|
| 10H | SUPPLY VALVE |
| 11H | RETURN |
| 12H | PRESSURE REGULATOR |
| 13H | BY-PASS |
| 16H | ISOLATION VALVE |
| 17H | BASKET STRAINER |
| 18H | CHECK VALVE |
| 19H | DRIP PAN DRAIN VALVE |
- ABOVE DECK PIPING

NOTE 1: 6 BARREL DRIP PAN

TRINITY MARINE

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
1	03/28/23	MRV	DDA	DC	REVISED PER CLIENT COMMENTS
0	12/03/18	MRV	DDA	OF	ISSUED FOR APPROVAL

KIRBY INLAND MARINE

**HOT OIL
PIPING FLOW DIAGRAM**

KIRBY 27724

SCALE: NONE	REV. 1
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