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|----|----------------------|-----|--------------------------|
| NO | DESCRIPTION | NO | DESCRIPTION |
| 1C | CARGO TANK VALVE | 13C | CARGO PIPING BLOCK VALVE |
| 2C | LOAD VALVE | 19C | CARGO HEADER |
| 3C | MASTER SUCTION VALVE | 30C | CARGO PIPELINE |
| 4C | DISCHARGE VALVE | 31C | BYPASS VALVE |
| 5C | HEADER VALVE | 36C | PRESSURE GAUGE |
| 8C | RELIEF VALVE | 37C | CARGO DROP |
| 9C | CHECK VALVE | — | — ABOVE DECK PIPING |
| | | --- | --- BELOW DECK PIPING |

NOTE 1: CONTAINMENT P/S

1	02/08/19	MRV	DDA		ADDED HOT OIL DIAGRAM
0	05/16/18	WFB	DDA		ISSUED FOR APPROVAL
REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION



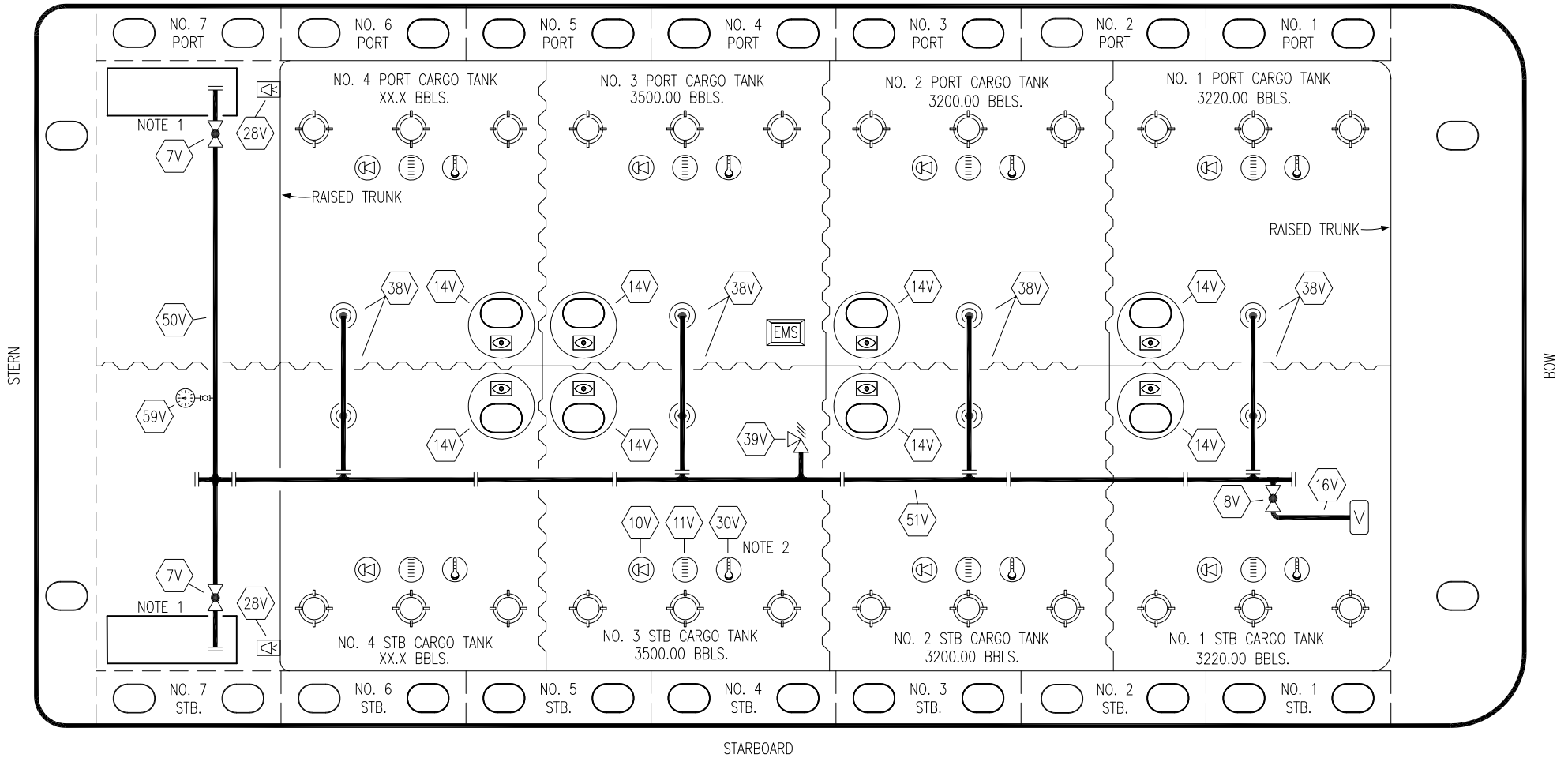
KIRBY INLAND MARINE

CARGO

PIPING FLOW DIAGRAM

SCALE: NONE	HTCO 3064	REV. 1
PAGE: 1 OF 3		

PORT



STARBOARD

- | | | | |
|-----|----------------------------|-----|--------------------------|
| NO | DESCRIPTION | NO | DESCRIPTION |
| 7V | 8" HEADER VALVE | 30V | THERMAL WELL |
| 8V | 8" VENT STACK VALVE | 38V | 8" VAPOR PENETRATION (⊙) |
| 10V | HIGH LEVEL/OVERFILL ALARM | 39V | PRESSURE/VACUUM VALVE |
| 11V | 1-METER GAUGE STICK | 50V | 8" VAPOR HEADER |
| 14V | SIGHT GLASS W/ GAUGE TREE | 51V | 8" VAPOR PIPELINE |
| 16V | VAPOR VENT STACK | 59V | PRESS/VAC GAUGE |
| 19V | EMERGENCY ENGINE SHUT DOWN | — | ABOVE DECK PIPING |
| 28V | DOCK CONNECTION ALARM | | |

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

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
1	02/08/19	MRV	DDA		ADDED HOT OIL DIAGRAM
0	05/16/18	WFB	DDA		ISSUED FOR APPROVAL

KIRBY INLAND MARINE 

**VAPOR
PIPING FLOW DIAGRAM**

SCALE: NONE
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HTCO 3064

REV. **1**

