

STARBOARD

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|-----------|--------------------------|-----------|------------------------------------|
| NO | DESCRIPTION | NO | DESCRIPTION |
| 1C | 8" CARGO TANK VALVE | 12C | 1" BURP VALVE RETURN TO CARGO TANK |
| 2C | 8" LOAD VALVE | 16C | DISCHARGE PRESSURE GAUGE |
| 3C | 10" MASTER SUCTION VALVE | 19C | 8" CARGO HEADER |
| 4C | 8" DISCHARGE VALVE | 24C | 1" PIPE SIGHT GLASS |
| 5C | 8" HEADER VALVE | 30C | 10" CARGO PIPELINE |
| 6C | 8" SALVAGE VALVE | 36C | PRESSURE GAUGE |
| 8C | 6" RELIEF VALVE | 37C | CARGO DROP |
| 9C | 8" CHECK VALVE | — | — ABOVE DECK PIPING |
| 10C | 1" BURP VALVE | --- | --- BELOW DECK PIPING |
| 11C | 1" BLEED OFF VALVE | | |

NOTE 1: CONTAINMENT P/S

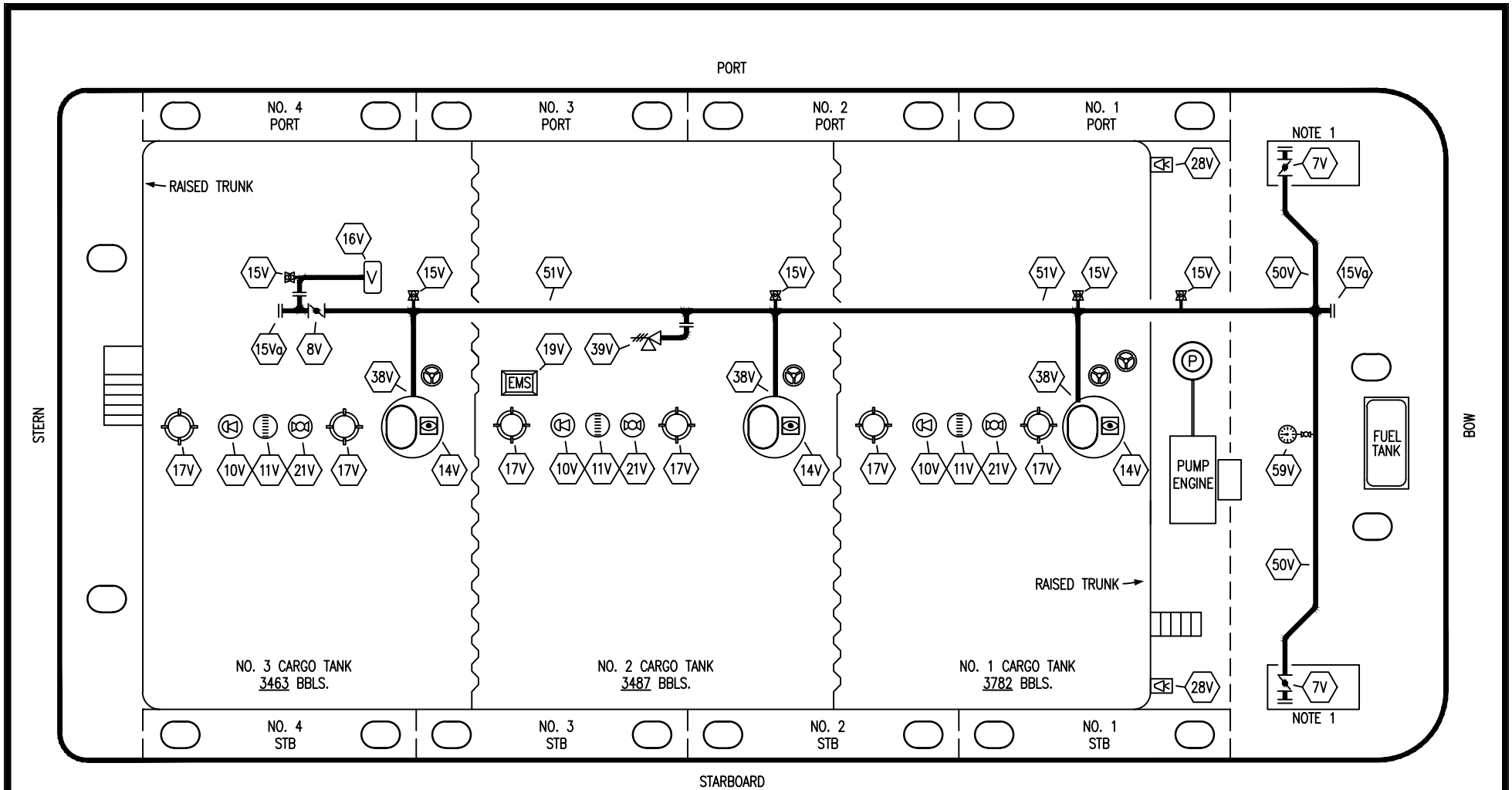
TRINITY MARINE

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| REV. | DATE | BY | CHK | APP | REVISION DESCRIPTION |

KIRBY INLAND MARINE

CARGO
PIPING FLOW DIAGRAM

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| SCALE: NONE | KIRBY 10110 | REV. 0 |
| PAGE: 1 OF 3 | | |



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| NO | DESCRIPTION | NO | DESCRIPTION |
| 7V | 8" HEADER VALVE | 19V | EMERGENCY ENGINE SHUT DOWN |
| 8V | 8" VENT STACK VALVE | 21V | HERMETIC GAUGE |
| 10V | HIGH LEVEL/OVERFILL ALARM | 28V | DOCK CONNECTION ALARM |
| 11V | GAUGE STICK | 39V | 6" PRESSURE/VACUUM VALVE |
| 14V | SIGHT GLASS W/GAUGE TREE | 38V | 8" VAPOR PENETRATION |
| 15V | 2" INSPECTION PORT | 50V | 8" VAPOR HEADER |
| 15Va | 8" INSPECTION PORT | 51V | 8" VAPOR PIPELINE |
| 16V | 8" VAPOR VENT STACK | 59V | PRESS/VAC GAUGE |
| 17V | 20" BUTTERWORTH | | ABOVE DECK PIPING |

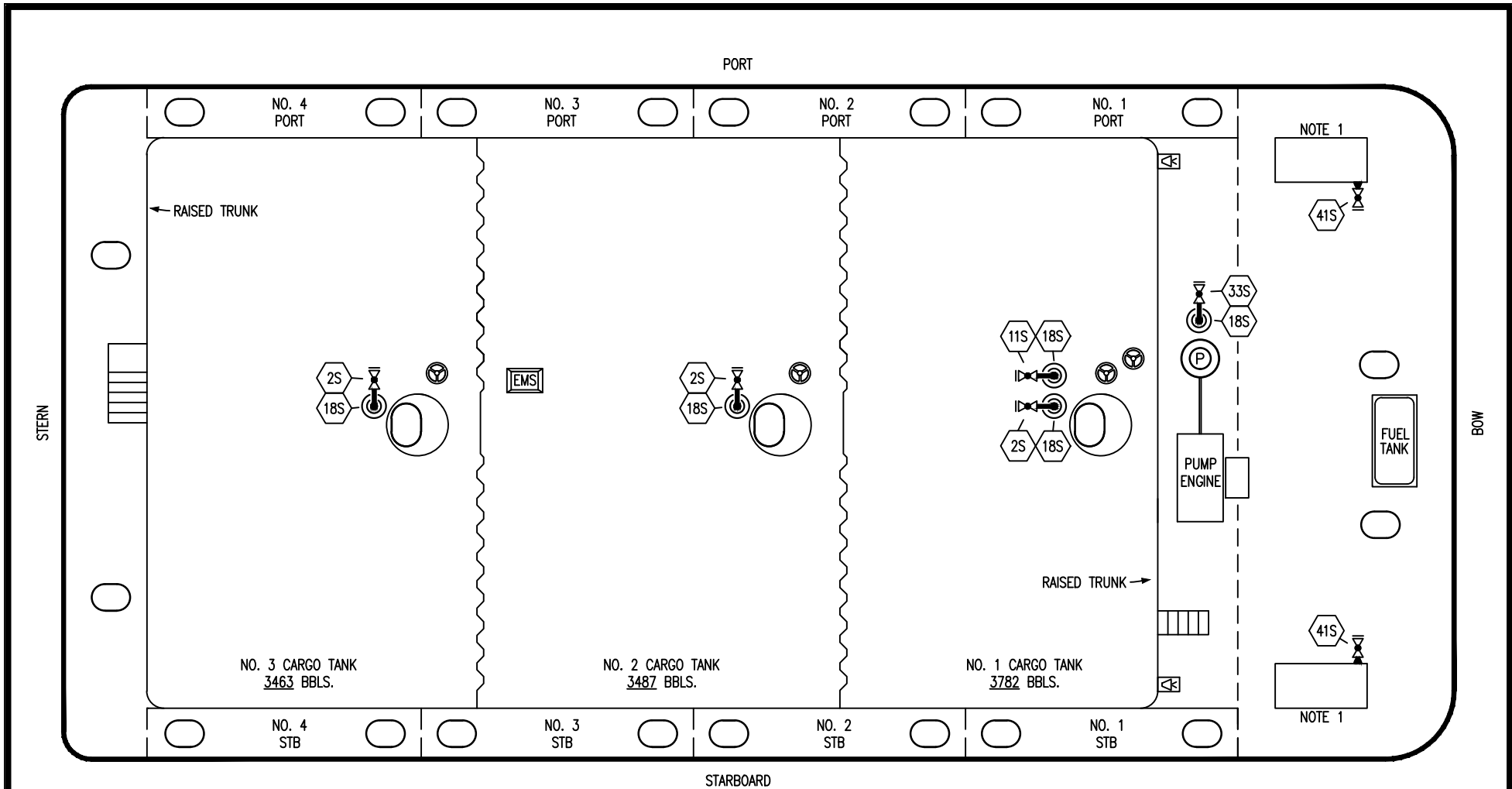
NOTE 1: CONTAINMENT P/S


TRINITY MARINE

KIRBY INLAND MARINE

VAPOR PIPING FLOW DIAGRAM

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| 0 | 09/19/13 | DCB | DDA | OF | FOR APPROVAL | SCALE: NONE | KIRBY 10110 | REV. 0 |
| REV. | DATE | BY | CHK | APP | REVISION DESCRIPTION | PAGE: 2 OF 3 | | |



- | NO | DESCRIPTION |
|-----|--|
| 2S | CARGO SUMP SUCTION VALVE |
| 11S | LOWER CARGO PIPELINE SUCTION VALVE |
| 18S | STRIPPING DROP  |
| 33S | PUMP WELL SUCTION VALVE |
| 41S | CONTAINMENT DRAIN VALVE W/ CAP |

NOTE 1: CONTAINMENT P/S

TRINITY MARINE

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| REV. | DATE | BY | CHK | APP | REVISION DESCRIPTION | | |

KIRBY INLAND MARINE 

**STRIPPING
PIPING FLOW DIAGRAM**