

STERN

BOW

STARBOARD

NOTE 1: CONTAINMENT P/S

| 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 | | |

TRINITY MARINE PRODUCTS - BARREL CAPACITY=10732

KIRBY INLAND MARINE 

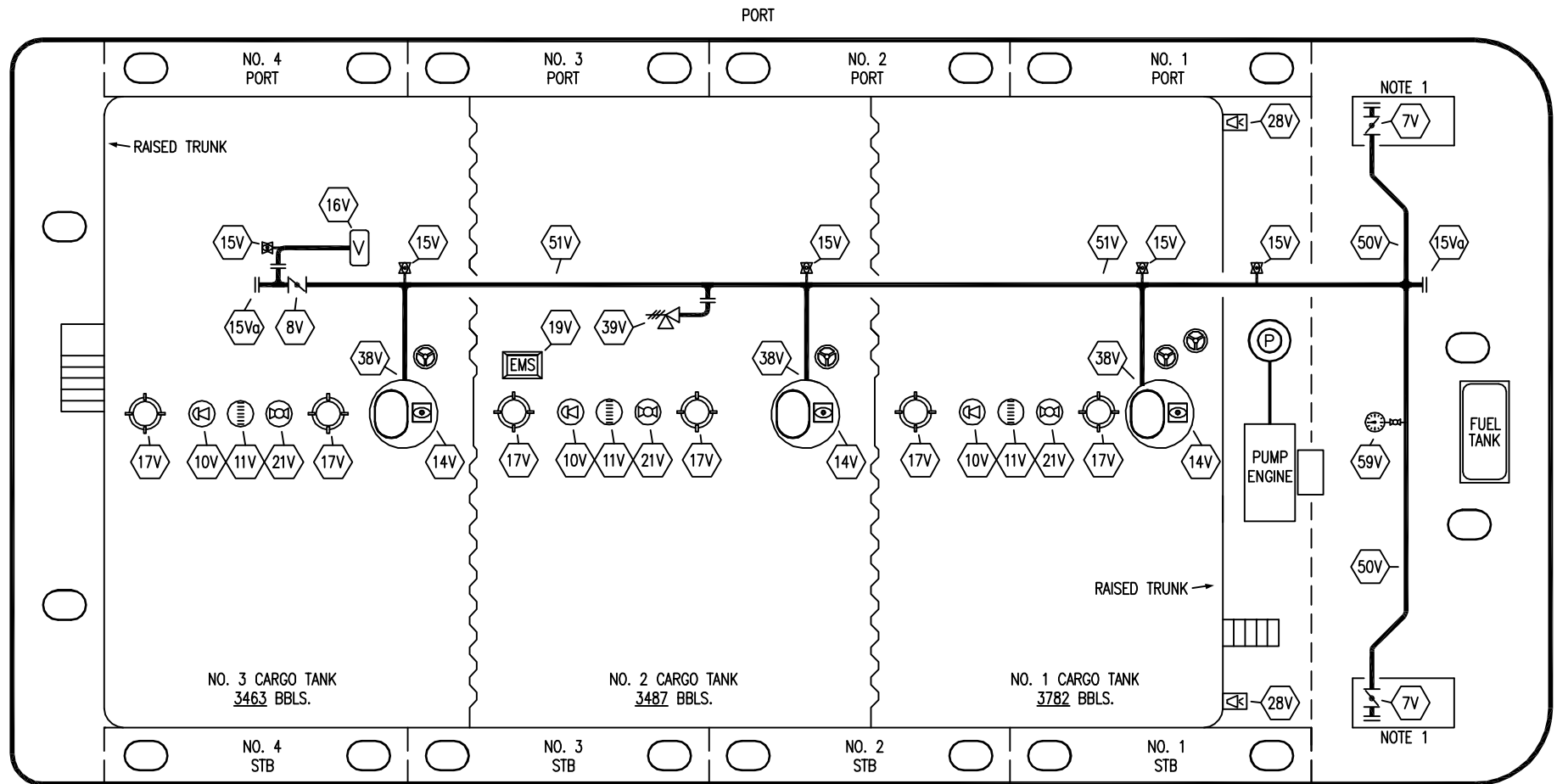
**CARGO
PIPING FLOW DIAGRAM**

| REV. | DATE | BY | CHK | APP | REVISION DESCRIPTION |
|------|----------|----|-----|-----|----------------------|
| 0 | 02/18/13 | KS | DDA | | FOR APPROVAL |

SCALE: NONE
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KIRBY 10254

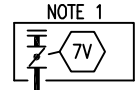
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NO. 3 CARGO TANK
3463 BBLs.

NO. 2 CARGO TANK
3487 BBLs.

NO. 1 CARGO TANK
3782 BBLs.



NOTE 1: CONTAINMENT P/S



STARBOARD

TRINITY MARINE PRODUCTS - BARREL CAPACITY=10732

KIRBY INLAND MARINE 

**VAPOR
PIPING FLOW DIAGRAM**

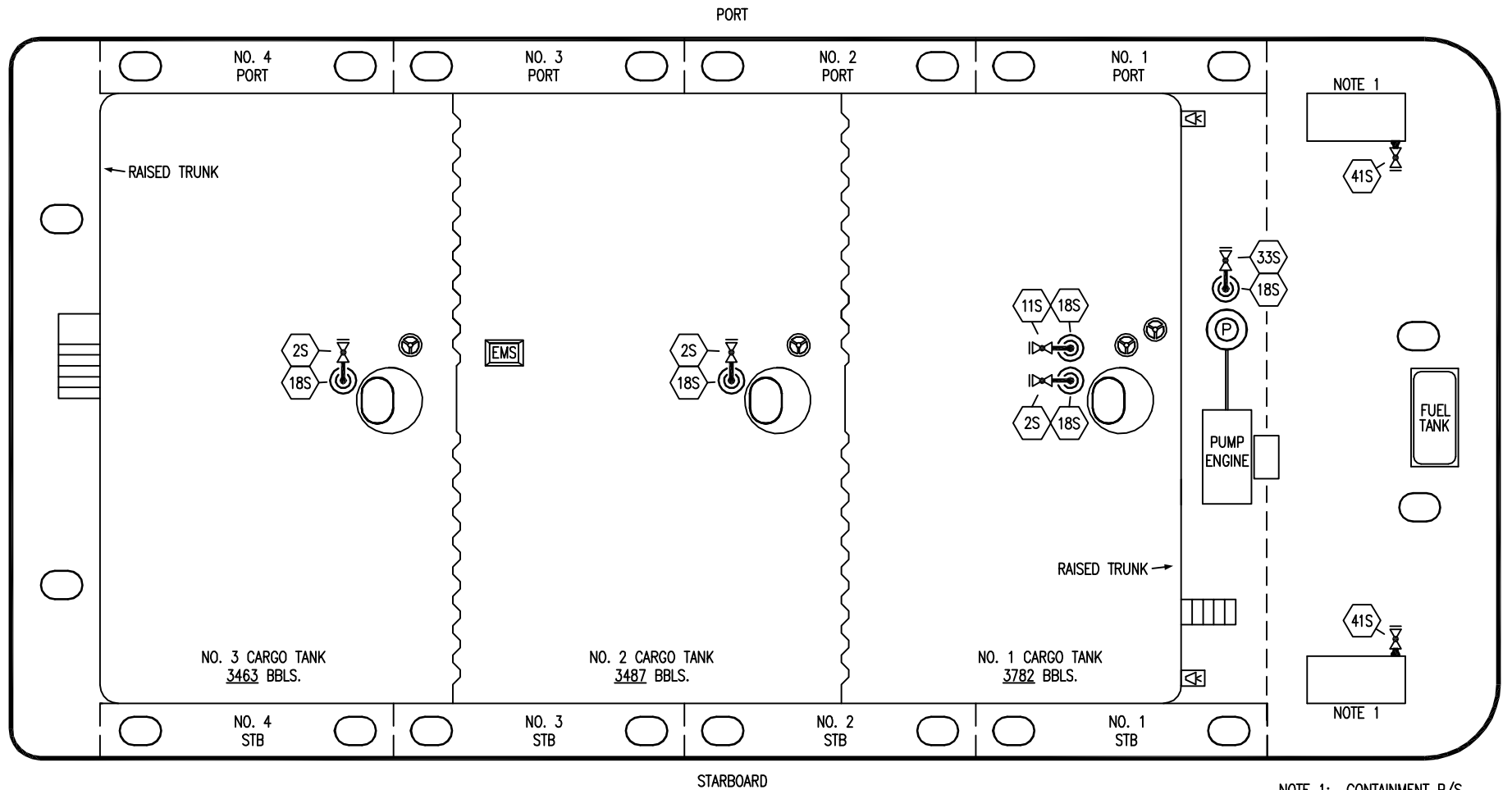
KIRBY 10254

- | | | | |
|-----------|---------------------------|---|--|
| 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 |


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NOTE 1: CONTAINMENT P/S

- | 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 |

TRINITY MARINE PRODUCTS – BARREL CAPACITY=10732

| | | | | | | | |
|------|----------|----|-----|--------------|----------------------|--|--|
| | | | | | | KIRBY INLAND MARINE  | |
| | | | | | | | |
| | | | | | | KIRBY 10254 | |
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