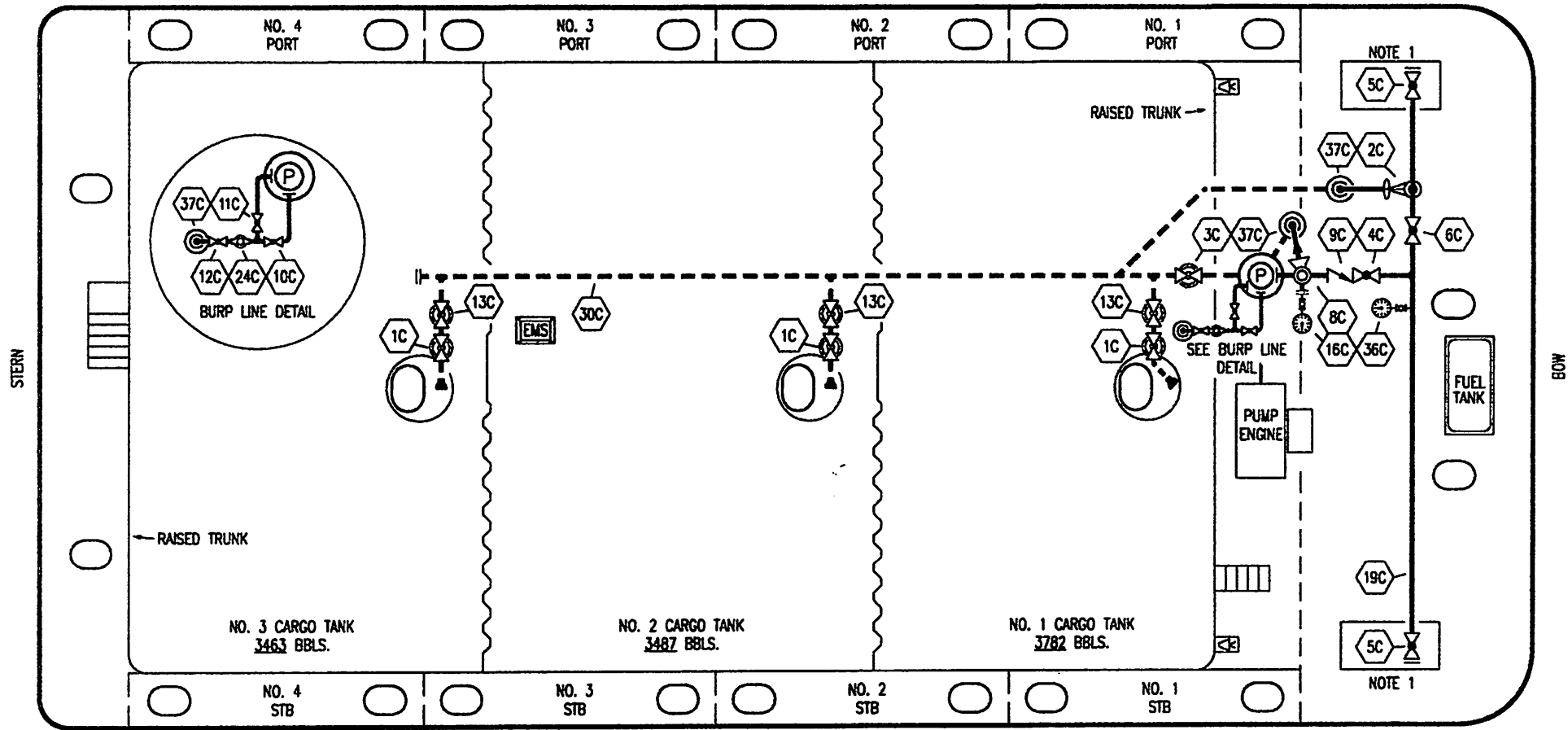


PORT



- |           |                          |           |                                    |
|-----------|--------------------------|-----------|------------------------------------|
| <b>NO</b> | <b>DESCRIPTION</b>       | <b>NO</b> | <b>DESCRIPTION</b>                 |
| 1C        | 8" CARGO TANK VALVE      | 12C       | 1" BURP VALVE RETURN TO CARGO TANK |
| 2C        | 8" LOAD VALVE            | 13C       | CARGO PIPING BLOCK VALVE           |
| 3C        | 10" MASTER SUCTION VALVE | 16C       | DISCHARGE PRESSURE GAUGE           |
| 4C        | 8" DISCHARGE VALVE       | 19C       | 8" CARGO HEADER                    |
| 5C        | 8" HEADER VALVE          | 24C       | 1" PIPE SIGHT GLASS                |
| 6C        | 8" SALVAGE VALVE         | 30C       | 10" CARGO PIPELINE                 |
| 8C        | 6" RELIEF VALVE          | 36C       | PRESSURE GAUGE                     |
| 9C        | 8" CHECK VALVE           | 37C       | CARGO DROP                         |
| 10C       | 1" BURP VALVE            | —         | — ABOVE DECK PIPING                |
| 11C       | 1" BLEED OFF VALVE       | ---       | --- BELOW DECK PIPING              |

NOTE 1: CONTAINMENT P/S

TRINITY MARINE PRODUCTS - BARREL CAPACITY=10732

| REV. | DATE     | BY | CHK | APP | REVISION DESCRIPTION        |
|------|----------|----|-----|-----|-----------------------------|
| 1    | 08/31/15 | BB | BB  |     | REVISED PER CLIENT COMMENTS |
| 0    | 01/08/10 | RB | RB  | RJ  | FOR APPROVAL                |

KIRBY INLAND MARINE

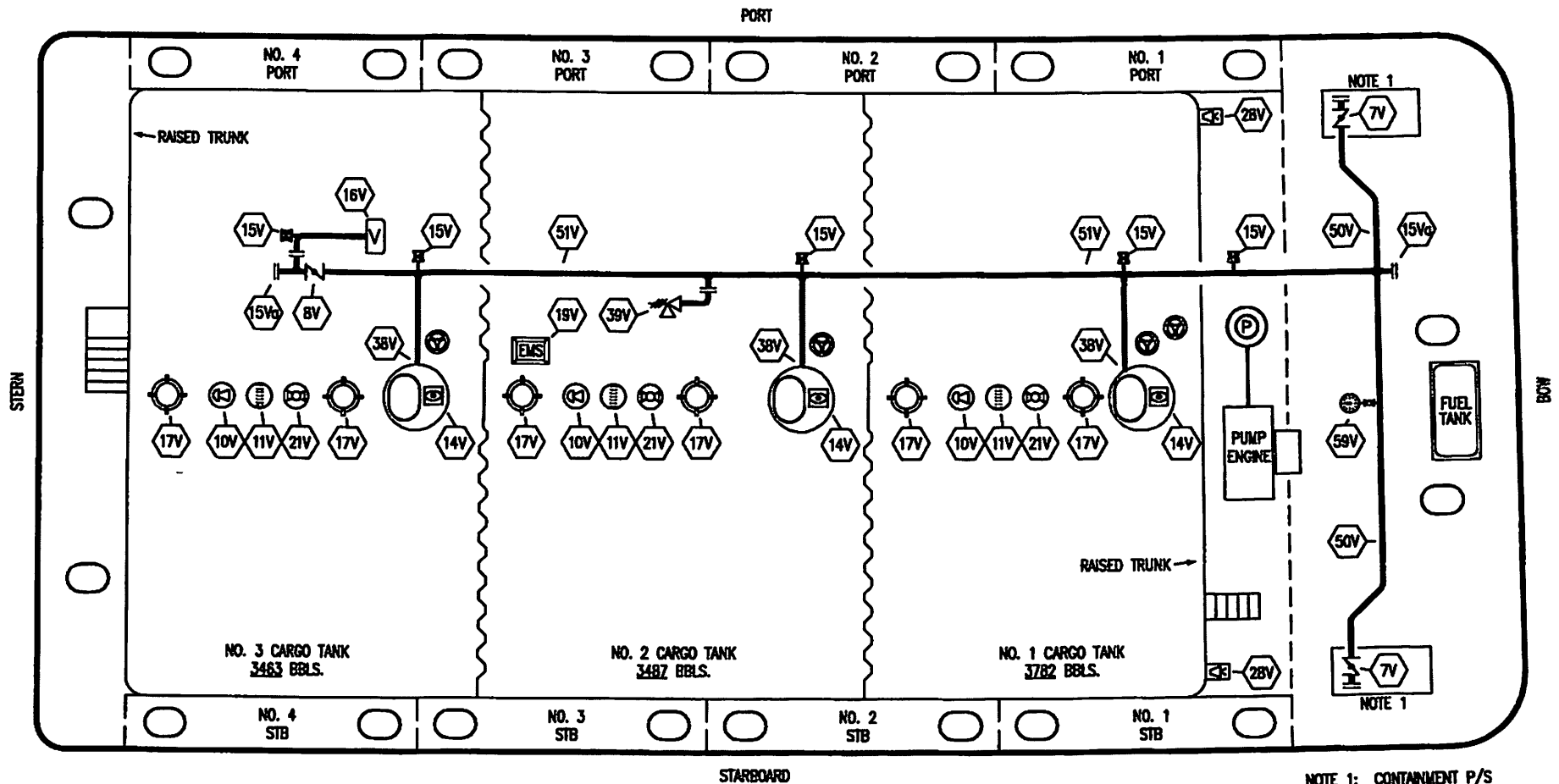
CARGO

PIPING FLOW DIAGRAM

KIRBY 10221

REV. 1

SCALE: NONE  
PAGE: 1 OF 3



NOTE 1

NOTE 1

NOTE 1: CONTAINMENT P/S

TRINITY MARINE PRODUCTS - BARREL CAPACITY=10732

- |                  |                           |     |                            |
|------------------|---------------------------|-----|----------------------------|
| 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 (C)   |
| 15V              | 2" INSPECTION PORT        | 50V | 8" VAPOR HEADER            |
| 15V <sub>g</sub> | 6" INSPECTION PORT        | 51V | 8" VAPOR PIPELINE          |
| 16V              | 8" VAPOR VENT STACK       | 59V | PRESS/VAC GAUGE            |
| 17V              | 20" BUTTERWORTH           | —   | ABOVE DECK PIPING          |

|      |          |    |     |     |                      |
|------|----------|----|-----|-----|----------------------|
|      |          |    |     |     |                      |
|      |          |    |     |     |                      |
|      |          |    |     |     |                      |
|      |          |    |     |     |                      |
|      |          |    |     |     |                      |
| 0    | 01/08/10 | RB | RB  | RJ  | FOR APPROVAL         |
| REV. | DATE     | BY | CHK | APP | REVISION DESCRIPTION |

**KIRBY INLAND MARINE**

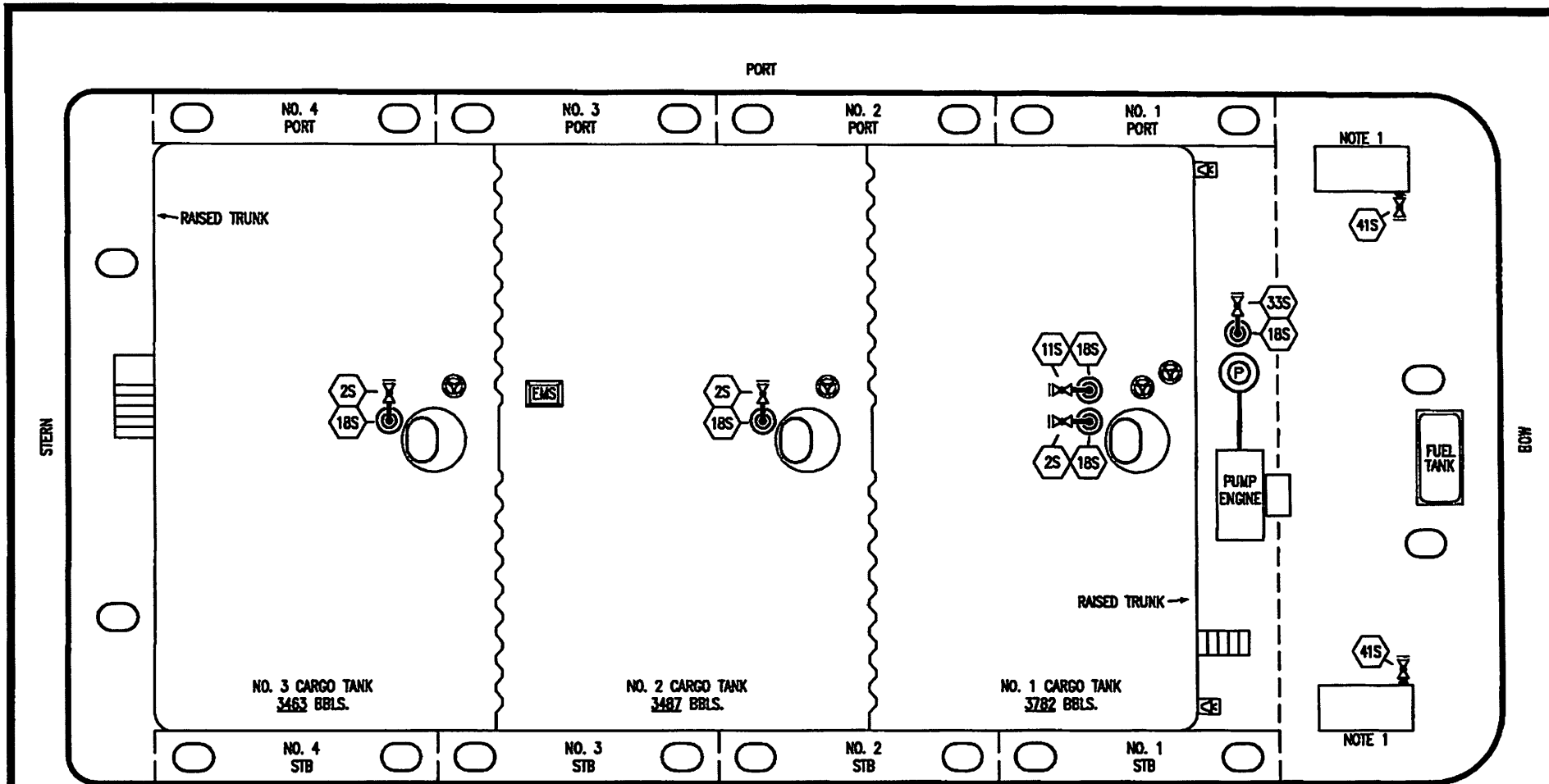
**VAPOR  
PIPING FLOW DIAGRAM**

SCALE: NONE

**KIRBY 10221**

PAGE: 2 OF 3

REV. 0



NOTE 1: CONTAINMENT P/S

TRINITY MARINE PRODUCTS - BARREL CAPACITY=10732

- | 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     |

**KIRBY INLAND MARINE**

**STRIPPING  
PIPING FLOW DIAGRAM**

| REV. | DATE     | BY | CHK | APP | REVISION DESCRIPTION |
|------|----------|----|-----|-----|----------------------|
| 0    | 01/08/10 | RB | RB  | RJ  | FOR APPROVAL         |
|      |          |    |     |     |                      |
|      |          |    |     |     |                      |
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|      |          |    |     |     |                      |

SCALE: NONE  
PAGE: 3 OF 3

**KIRBY 10221**

REV. 0