

NOTE 1: CONTAINMENT - PORT & STB.

JEFFBOAT

| NO  | SIZE | DESCRIPTION          |
|-----|------|----------------------|
| 1C  | 8"   | CARGO TANK VALVE     |
| 2C  | 8"   | LOAD VALVE           |
| 3C  | 10"  | MASTER SUCTION VALVE |
| 4C  | 8"   | DISCHARGE VALVE      |
| 5C  | 8"   | HEADER VALVE         |
| 6C  | 8"   | SALVAGE VALVE        |
| 8C  | 6"   | RELIEF VALVE         |
| 9C  | 8"   | CHECK VALVE          |
| 9Cb | 1"   | CHECK VALVE          |

| NO  | SIZE | DESCRIPTION                       |
|-----|------|-----------------------------------|
| 11C | 1"   | BLEED OFF VALVE                   |
| 12C | 1"   | BURP VALVE RETURN TO CARGO TANK   |
| 15C | 2"   | BYPASS VALVE (AROUND CHECK VALVE) |
| 19C | 8"   | CARGO HEADER                      |
| 30C | 10"  | CARGO PIPELINE                    |

— ABOVE DECK PIPING  
 - - - BELOW DECK PIPING

| REV. | DATE     | BY | CHK | APP | REVISION | DESCRIPTION |
|------|----------|----|-----|-----|----------|-------------|
| 0    | 01/19/09 | RB | WK  | OF  | APPROVED |             |
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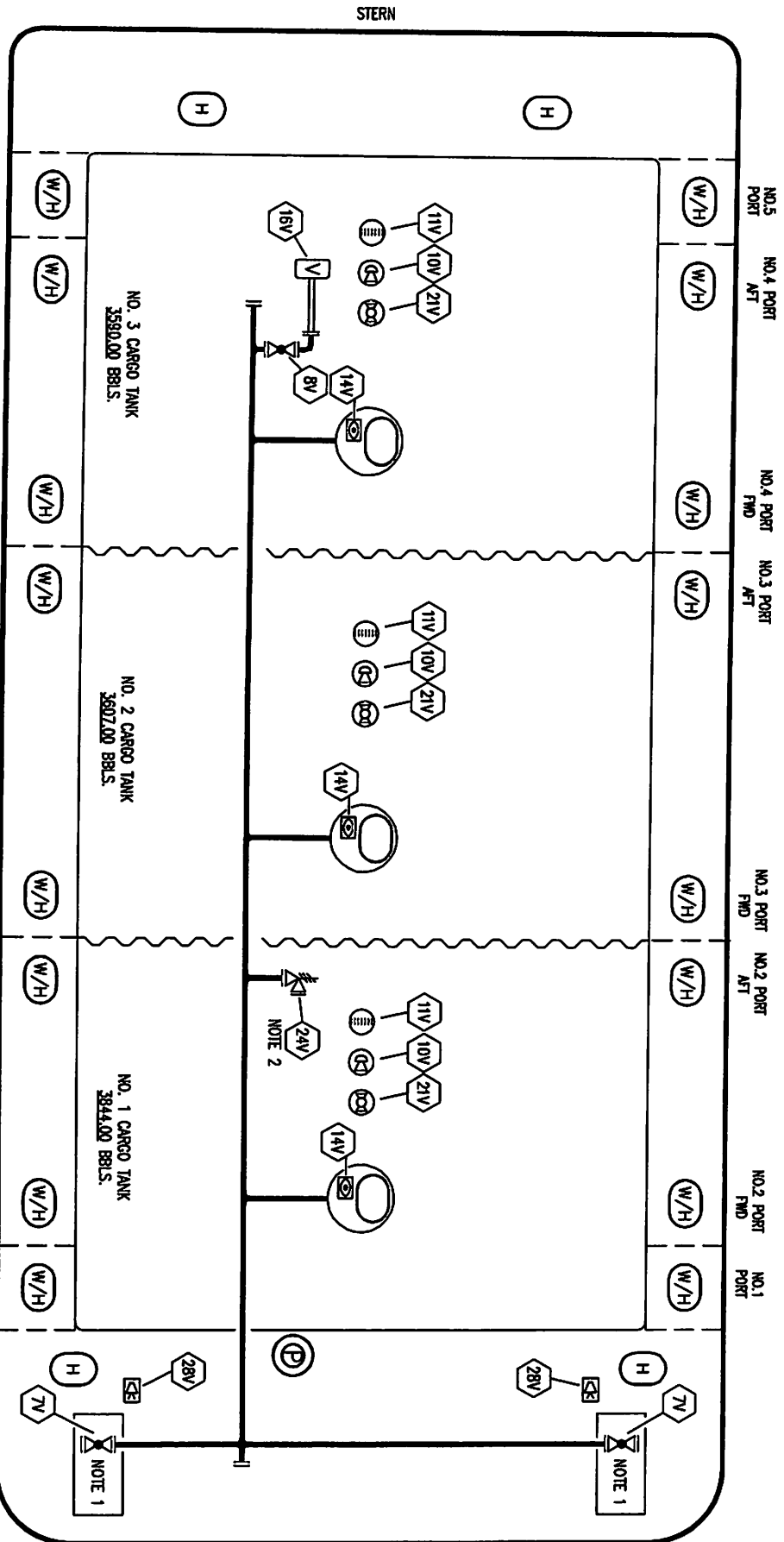
**KIRBY INLAND MARINE**

**CARGO**

**PIPING FLOW DIAGRAM**

**KIRBY 11512**

SCALE: NONE  
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| NO. | SIZE | DESCRIPTION                               |
|-----|------|---|
| 7V  | 8"   | HEADER VALVE                              |
| 8V  | 8"   | VENT STACK VALVE                          |
| 10V |      | HIGH LEVEL/OVERFILL ALARM                 |
| 11V |      | GAUGE STICK                               |
| 14V |      | SIGHT GLASS                               |
| 16V |      | VAPOR VENT STACK                          |
| 21V | 2"   | HERMETIC GAUGE                            |
| 24V | 2"   | PRESSURE RELIEF VALVE                     |
| 28V | 6"   | HIGH LEVEL/OVERFILL ALARM DOCK CONNECTION |

NOTE 1: CONTAINMENT - PORT & STB.  
 NOTE 2: P.V. SET @ 3 PSI PRESSURE AND .5 PSI VACUUM

JEFFBOAT

| REV. | DATE     | BY | CHK | WK | OF | APPROVED | REVISION DESCRIPTION |
|------|----------|----|-----|----|----|----------|----------------------|
| 0    | 01/19/09 | RB | WK  | OF |    |          |                      |

**KIRBY INLAND MARINE**

**VAPOR PIPING FLOW DIAGRAM**

**KIRBY 11512**

SCALE: NONE  
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