

- |     |                      |       |                   |
|-----|----------------------|-------|-------------------|
| NO  | DESCRIPTION          | NO    | DESCRIPTION       |
| 1C  | CARGO TANK VALVE     | 30C   | CARGO PIPELINE    |
| 2C  | LOAD VALVE           | 35C   | CROSSOVER VALVE   |
| 3C  | MASTER SUCTION VALVE | 37C   | CARGO DROP        |
| 4C  | DISCHARGE VALVE      | ⊙     |                   |
| 5C  | HEADER VALVE         | —     | ABOVE DECK PIPING |
| 6C  | SALVAGE VALVE        | - - - | BELOW DECK PIPING |
| 8C  | RELIEF VALVE         |       |                   |
| 9C  | CHECK VALVE          |       |                   |
| 19C | CARGO HEADER         |       |                   |

NOTE 1: CONTAINMENT P/S

1	11/13/13	DCB	DDA		REVISED PIPING
0	08/03/12	DCB	DDA	JF	APPROVED
REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION

**KIRBY INLAND MARINE**

**ABOVE DECK CARGO  
PIPING FLOW DIAGRAM**

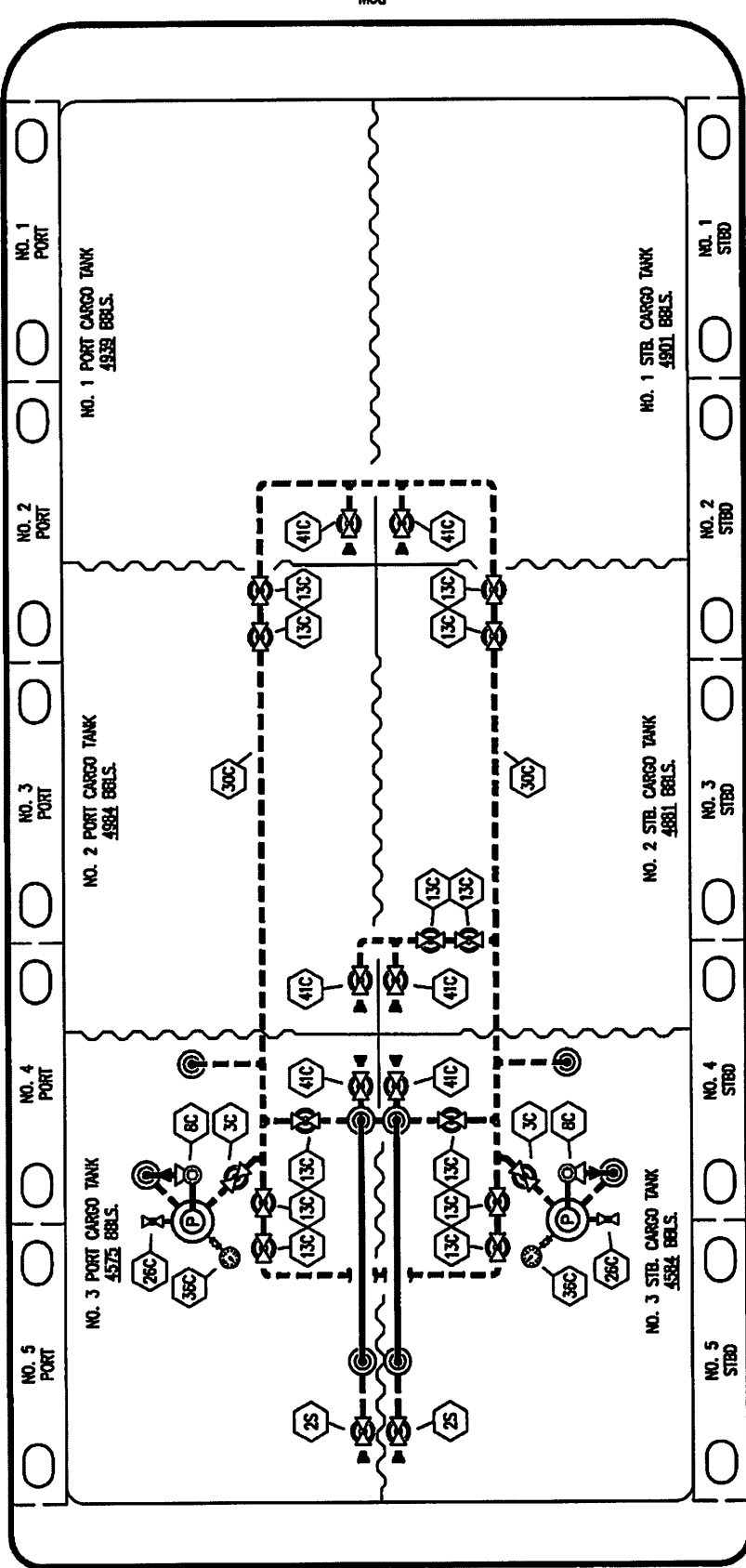
SCALE: NONE

PAGE: 1 OF 3

**DBL 28**

REV. **1**

PORT



NO. 8

STERN

STARBOARD

- |     |                          |
|-----|--------------------------|
| NO  | DESCRIPTION              |
| 1C  | CARGO TANK VALVE         |
| 2C  | LOAD VALVE               |
| 2S  | CARGO SUMP SUCTION VALVE |
| 3C  | MASTER SUCTION VALVE     |
| 3C  | HEADER VALVE             |
| 3C  | RELIEF VALVE             |
| 13C | CARGO PIPING BLOCK VALVE |
| 26C | DRAIN VALVE              |
| 30C | CARGO PIPELINE           |
| 31C | BYPASS VALVE             |
| 36C | PRESSURE GAUGE           |
| 37C | CARGO DROP               |
| 41C | SUCTION BLOCK VALVE      |
| --- | ABOVE DECK PIPING        |
| --- | BELOW DECK PIPING        |

NOTE 1: CONTAINMENT P/S



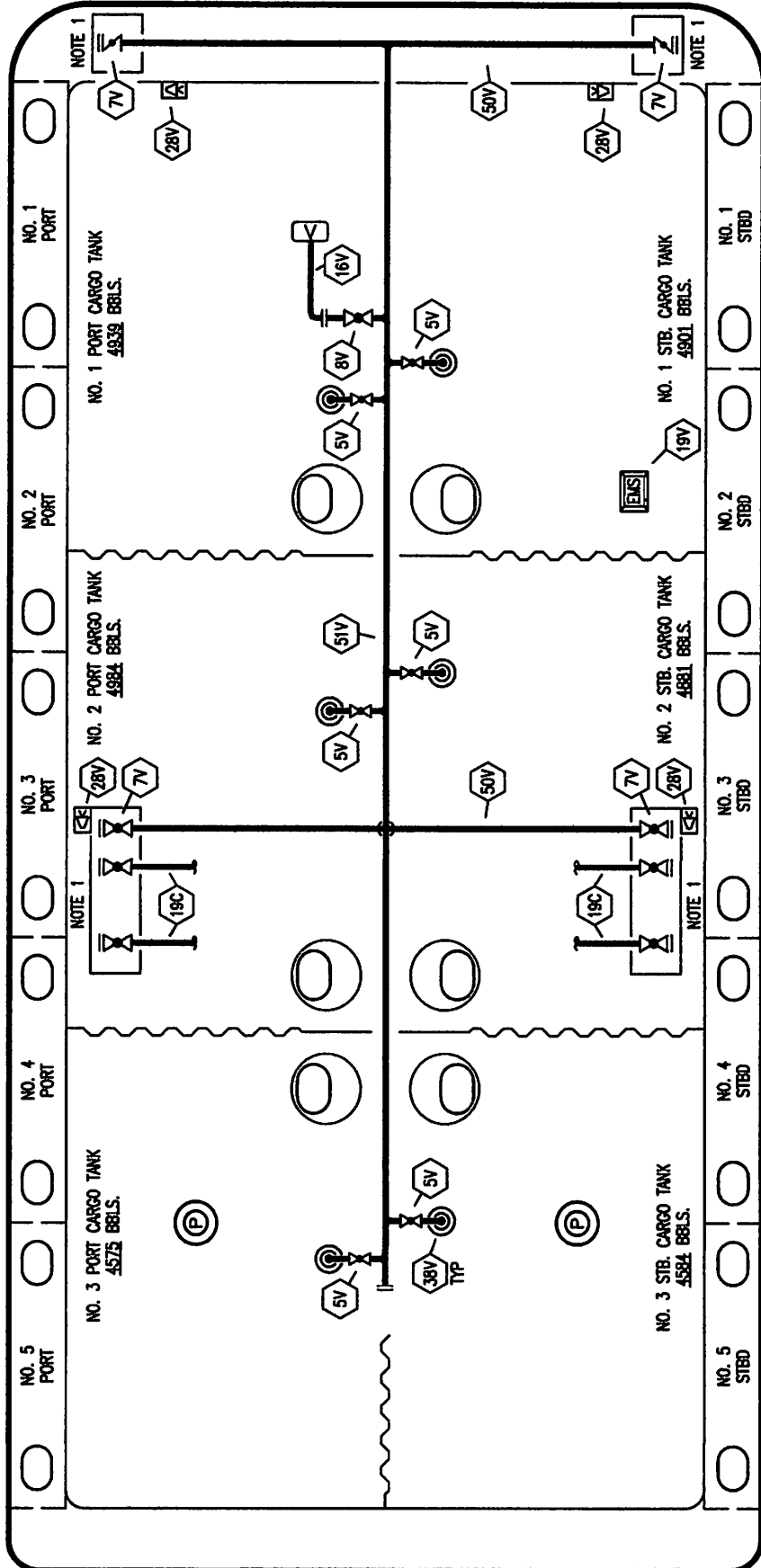
**KIRBY INLAND MARINE**  
**BELOW DECK CARGO**  
**PIPING FLOW DIAGRAM**

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
1	08/01/13	DCB	DDA		ADDED (2) BLOCK VALVES
0	08/03/12	DCB	DDA	JF	APPROVED

SCALE: NONE  
 PAGE: 2 OF 3  
**DBL 28**  
 REV. **1**

808

PORT



STERN

- NO. 5V
- NO. 7V
- NO. 8V
- NO. 16V
- NO. 19C
- NO. 19V
- NO. 28V

- DESCRIPTION: BLOCK VALVE
- HEADER VALVE
- VENT STACK VALVE
- VAPOR VENT STACK
- CARGO HEADER
- EMERGENCY ENGINE SHUT DOWN
- DOCK CONNECTION ALARM

- NO. 38V
- NO. 50V
- NO. 51V

- DESCRIPTION: VAPOR DROP OR PENETRATION
- VAPOR HEADER
- VAPOR PIPELINE
- ABOVE DECK PIPING
- BELOW DECK PIPING

NOTE 1: CONTAMINANT P/S



KIRBY INLAND MARINE

VAPOR

PIPING FLOW DIAGRAM

REV.	DATE	BY	CHK/APP	REVISION DESCRIPTION
1	11/13/13	DCB	DDA	REVISED PIPING
0	08/03/12	DCB	DDA	JF APPROVED

SCALE: NONE  
PAGE: 3 OF 3

DBL 28

REV. 1