


| NO  | DESCRIPTION                  | NO  | DESCRIPTION                  |
|-----|------------------------------|-----|------------------------------|
| 1C  | 8" CARGO TANK VALVE          | 30C | 10" CARGO PIPELINE           |
| 2C  | 8" LOAD VALVE                | 31C | 2" BYPASS VALVE              |
| 3C  | 10" MASTER SUCTION VALVE     | 34S | 2" DEEP WELL STRIPPING VALVE |
| 4C  | 6" DISCHARGE VALVE           | 35S | 2" STRIPPING VALVE           |
| 5C  | 8" HEADER VALVE              | 37C | CARGO DROP                   |
| 8C  | 6" RELIEF VALVE              | —   | — ABOVE DECK PIPING          |
| 9C  | 8" CHECK VALVE               | --- | --- BELOW DECK PIPING        |
| 13C | 10" CARGO PIPING BLOCK VALVE |     |                              |
| 19C | 8" CARGO HEADER              |     |                              |

NOTE 1: CONTAINMENT P/S

| REV. | DATE     | BY  | CHK | APP | REVISION DESCRIPTION        |
|------|----------|-----|-----|-----|-----------------------------|
| 1    | 03/17/23 | MRV | DDA | LR  | REVISED PER CLIENT COMMENTS |
| 0    | 02/12/21 | MRV | DDA |     | ISSUED FOR APPROVAL         |

EX. CGBM 118



# KIRBY INLAND MARINE

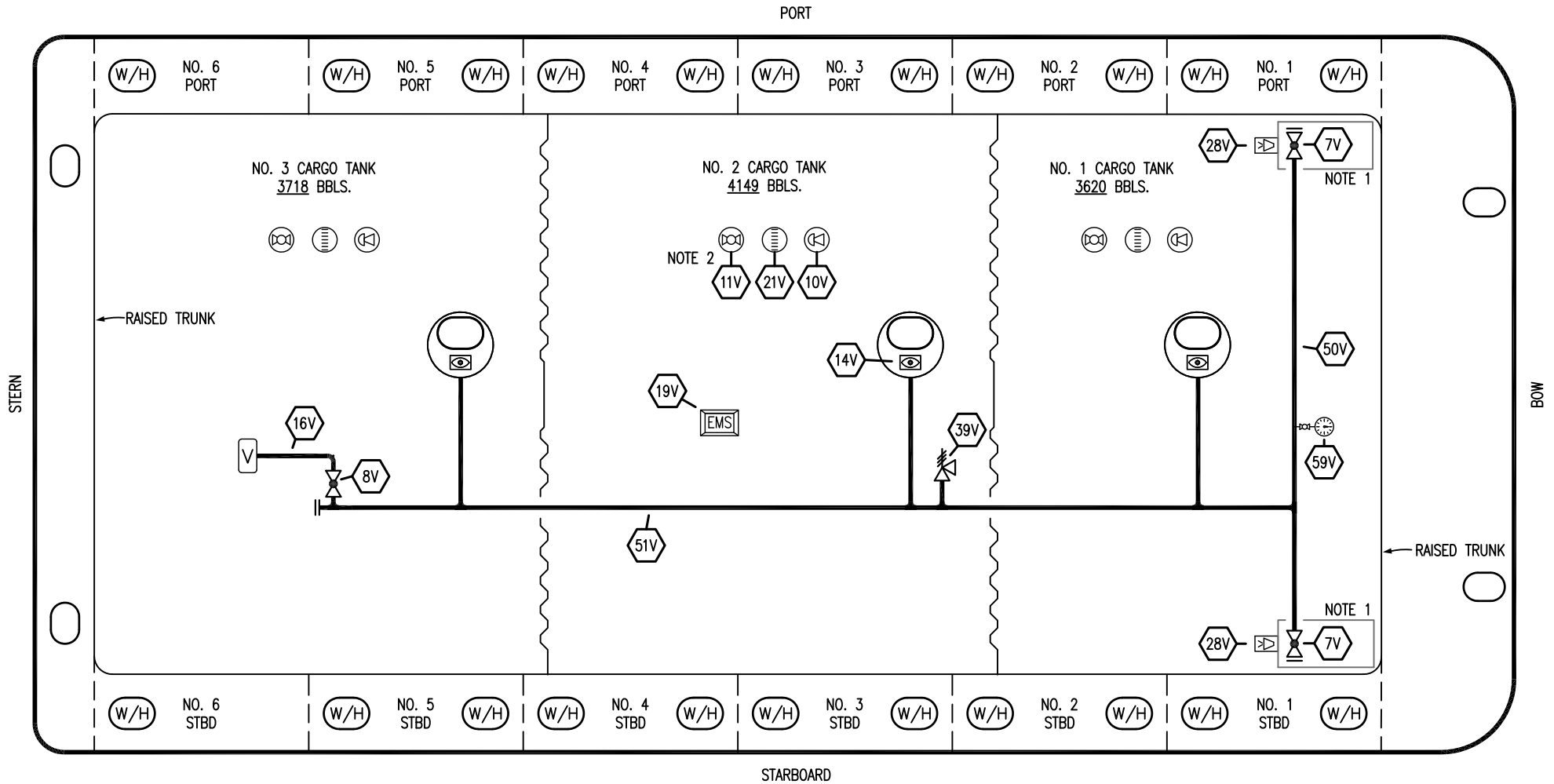
## CARGO PIPING FLOW DIAGRAM

# KIRBY 11342

SCALE: NONE

PAGE: 1 OF 2

REV. 1



- |     |                            |     |                       |
|-----|----------------------------|-----|-----------------------|
| NO  | DESCRIPTION                | NO  | DESCRIPTION           |
| 7V  | 8" HEADER VALVE            | 28V | DOCK CONNECTION ALARM |
| 8V  | 8" VENT STACK VALVE        | 39V | PRESSURE/VACUUM VALVE |
| 10V | HIGH LEVEL/OVERFILL ALARM  | 50V | 8" VAPOR HEADER       |
| 11V | 1-METER GAUGE STICK        | 51V | 8" VAPOR PIPELINE     |
| 14V | SIGHT GLASS                | 59V | PRESS/VAC GAUGE       |
| 16V | VAPOR VENT STACK           | —   | ABOVE DECK PIPING     |
| 19V | EMERGENCY ENGINE SHUT DOWN |     |                       |
| 21V | 2" HERMETIC GAUGE          |     |                       |

- |     |                       |
|-----|-----------------------|
| NO  | DESCRIPTION           |
| 28V | DOCK CONNECTION ALARM |
| 39V | PRESSURE/VACUUM VALVE |
| 50V | 8" VAPOR HEADER       |
| 51V | 8" VAPOR PIPELINE     |
| 59V | PRESS/VAC GAUGE       |
| —   | ABOVE DECK PIPING     |

NOTE 2: TYPICAL RIGGING IN EACH TANK  
 NOTE 1: CONTAINMENT P/S

EX. CGBM 118

| REV. | DATE     | BY  | CHK | APP | REVISION DESCRIPTION        |
|------|----------|-----|-----|-----|-----------------------------|
| 1    | 03/17/23 | MRV | DDA | LR  | REVISED PER CLIENT COMMENTS |
| 0    | 02/12/21 | MRV | DDA |     | ISSUED FOR APPROVAL         |

**KIRBY INLAND MARINE**

**VAPOR  
PIPING FLOW DIAGRAM**

|              |                    |               |
|--------------|--------------------|---------------|
| SCALE: NONE  | <b>KIRBY 11342</b> | REV. <b>1</b> |
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