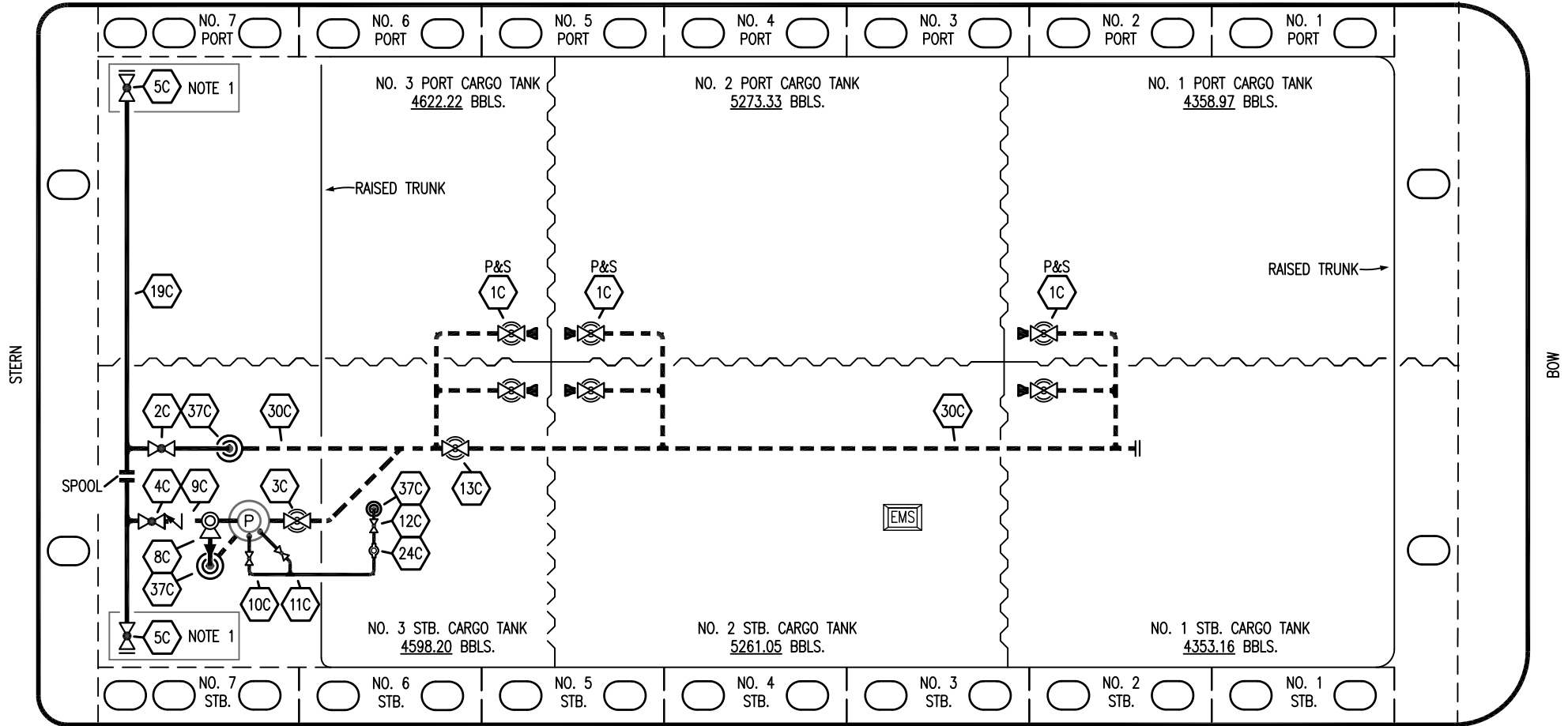


PORT



STARBOARD

- | | | | |
|-----|----------------------|-----|---------------------------------|
| NO | DESCRIPTION | NO | DESCRIPTION |
| 1C | CARGO TANK VALVE | 12C | BURP VALVE RETURN TO CARGO TANK |
| 2C | LOAD VALVE | 13C | CARGO PIPING BLOCK VALVE |
| 3C | MASTER SUCTION VALVE | 19C | CARGO HEADER |
| 4C | DISCHARGE VALVE | 24C | FLOW INDICATOR |
| 5C | HEADER VALVE | 30C | CARGO PIPELINE |
| 8C | RELIEF VALVE | 37C | CARGO DROP |
| 9C | CHECK VALVE | — | — ABOVE DECK PIPING |
| 10C | BURP VALVE | --- | --- BELOW DECK PIPING |
| 11C | BLEED OFF VALVE | | |

NOTE 1: CONTAINMENT P/S

WEST GULF MARINE

KIRBY INLAND MARINE 

**CARGO
PIPING FLOW DIAGRAM**

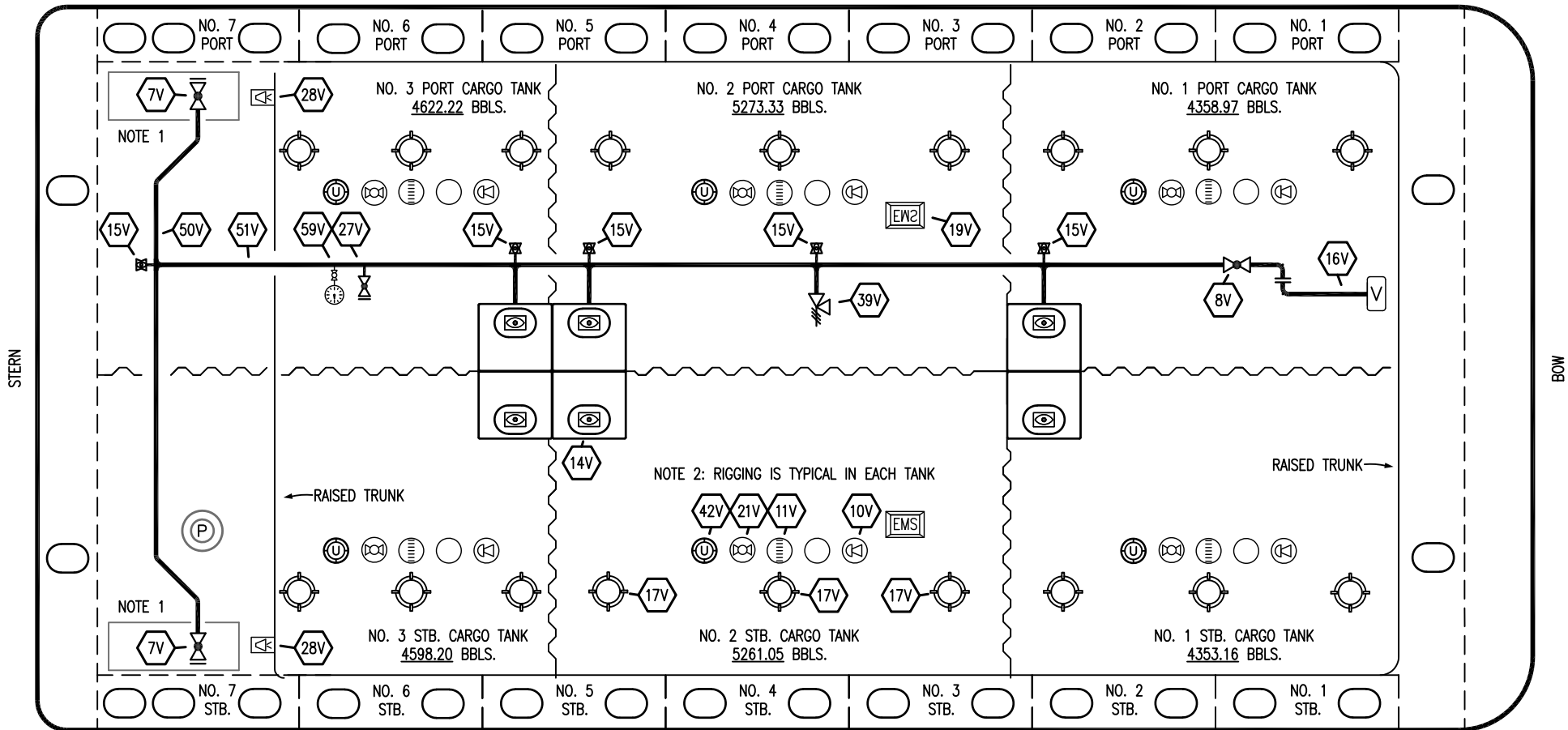
| REV. | DATE | BY | CHK | APP | REVISION DESCRIPTION |
|------|----------|-----|-----|-----|-----------------------------|
| 2 | 06/12/23 | MRV | DDA | TFB | REVISED PER CLIENT COMMENTS |
| 1 | 02/18/14 | GP | DDA | | REVISED PER CLIENT |
| 0 | 06/12/12 | DCB | DDA | | FOR APPROVAL |

SCALE: NONE
PAGE: 1 OF 3

KIRBY 29053

REV. **2**

PORT



STARBOARD

| NO | DESCRIPTION | NO | DESCRIPTION |
|-----|------------------------------|-----|----------------------------|
| 7V | 8" HEADER VALVE | 21V | 2" HERMETIC GAUGE |
| 8V | 8" VENT STACK VALVE | 27V | 1/4" TEST CONNECTION VALVE |
| 10V | 8" HIGH LEVEL/OVERFILL ALARM | 28V | DOCK CONNECTION ALARM |
| 11V | 8" 1-METER STICK GAUGE | 39V | PRESS/VAC RELIEF VALVE |
| 14V | 6" SIGHT GLASS W/GAUGE TREE | 42V | 8" ULLAGE HATCH |
| 15V | 2" INSPECTION PORT | 50V | 8" VAPOR HEADER |
| 16V | 8" VAPOR VENT STACK | 51V | 8" VAPOR PIPELINE |
| 17V | 14" BUTTERWORTH | 59V | PRESS/VAC GAUGE |
| 18V | 2" RESTRICTIVE GAUGE TUBE | — | ABOVE DECK PIPING |
| 19V | EMERGENCY ENGINE SHUT DOWN | | |

NOTE 1: CONTAINMENT P/S

NOTE 2: RIGGING IS TYPICAL IN EACH TANK

WEST GULF MARINE

| REV. | DATE | BY | CHK | APP | REVISION DESCRIPTION |
|------|----------|-----|-----|-----|-----------------------------|
| 2 | 06/12/23 | MRV | DDA | TFB | REVISED PER CLIENT COMMENTS |
| 1 | 02/18/14 | GP | DDA | | REVISED PER CLIENT |
| 0 | 06/12/12 | DCB | DDA | | FOR APPROVAL |

KIRBY INLAND MARINE 

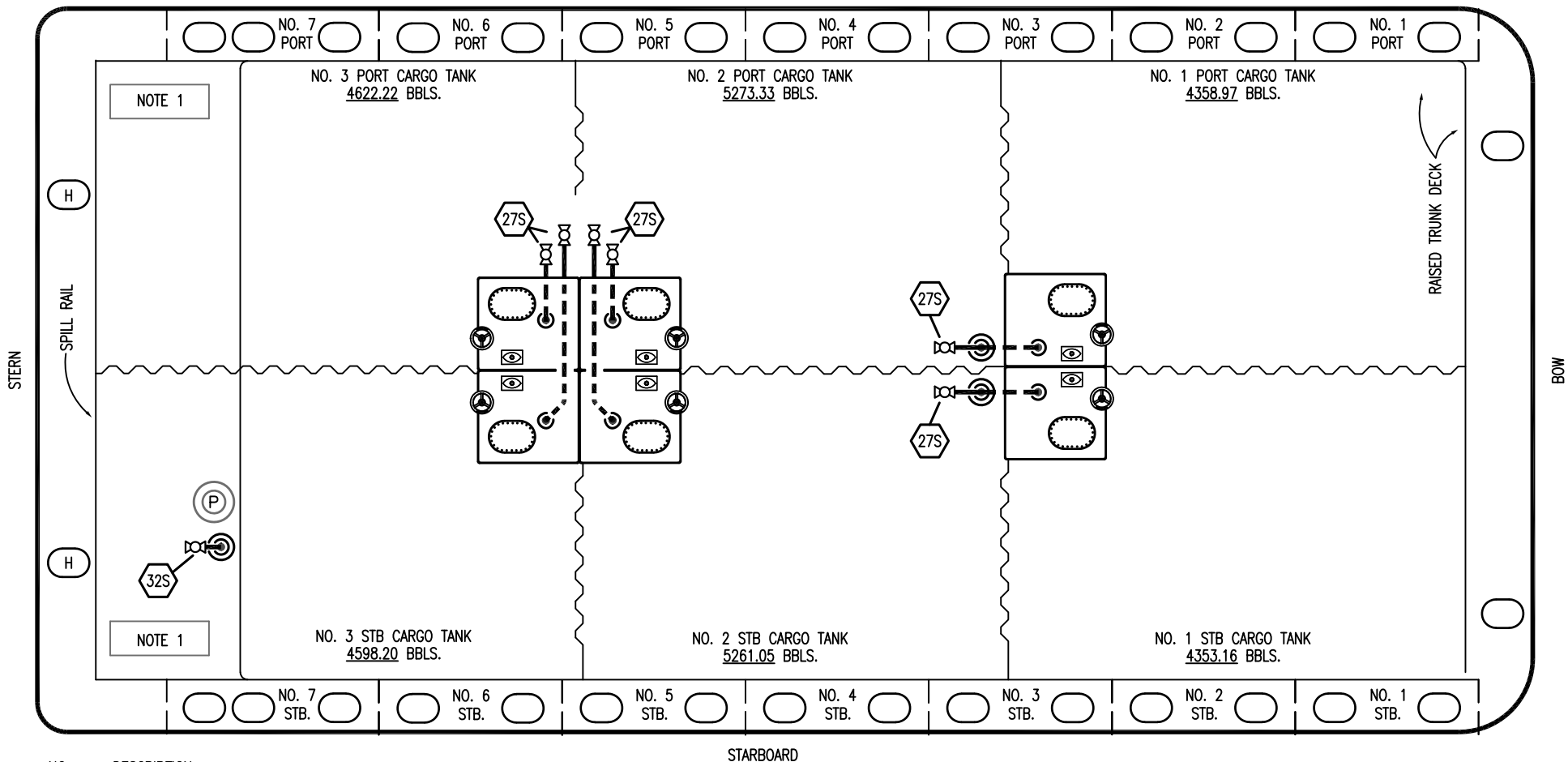
**VAPOR
PIPING FLOW DIAGRAM**

SCALE: NONE
PAGE: 2 OF 3




KIRBY 29053

REV. **2**

PORT



STARBOARD

- | NO | DESCRIPTION |
|---|--|
| 18S | TYP. STRIPPING PENETRATION  |
| 27S | SUMP SUCTION |
| 32S | PUMP WELL PRIMER VALVE |
|  | ABOVE DECK PIPING |
|  | BELOW DECK PIPING |

NOTE 1: CONTAINMENT P/S

WEST GULF MARINE

| REV. | DATE | BY | CHK | APP | REVISION DESCRIPTION |
|------|----------|-----|-----|-----|-----------------------------|
| 2 | 06/12/23 | MRV | DDA | TFB | REVISED PER CLIENT COMMENTS |
| 1 | 02/18/14 | GP | DDA | | REVISED PER CLIENT |
| 0 | 06/12/12 | DCB | DDA | | FOR APPROVAL |

KIRBY INLAND MARINE 

**STRIPPING
PIPING FLOW DIAGRAM**

SCALE: NONE
PAGE: 3 OF 3

KIRBY 29053

REV. **2**