

NO	DESCRIPTION	NO	DESCRIPTION
1C	CARGO TANK VALVE	37C	CARGO DROP
2C	LOAD VALVE	61C	TANK PURGE VALVE
3C	MASTER SUCTION VALVE	62C	TANK LOW SUCTION VALVE
4C	DISCHARGE VALVE	63C	N2 PRESSURE VALVE
5C	HEADER VALVE	64C	N2 PURGE VALVE
6C	SALVAGE VALVE	65C	DEEP WELL STRIPPING VALVE
8C	RELIEF VALVE	66C	CARGO SUMP
9C	CHECK VALVE	(M)	MANUAL VALVE
13C	CARGO PIPING BLOCK VALVE	(A)	AUTOMATIC VALVE
19C	CARGO HEADER	—	— ABOVE DECK PIPING
30C	CARGO PIPELINE	- - -	BELOW DECK PIPING
36C	PRESSURE GAUGE		

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

AVONDALE SHIPYARD — EX: HW CHEM 142

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
2	04/20/22	MRV	DDA	CW	REVISED PER CLIENT COMMENTS
1	04/30/09	RB	BR	BR	UPDATE
0	04/06/09	RB	WK	OF	APPROVED

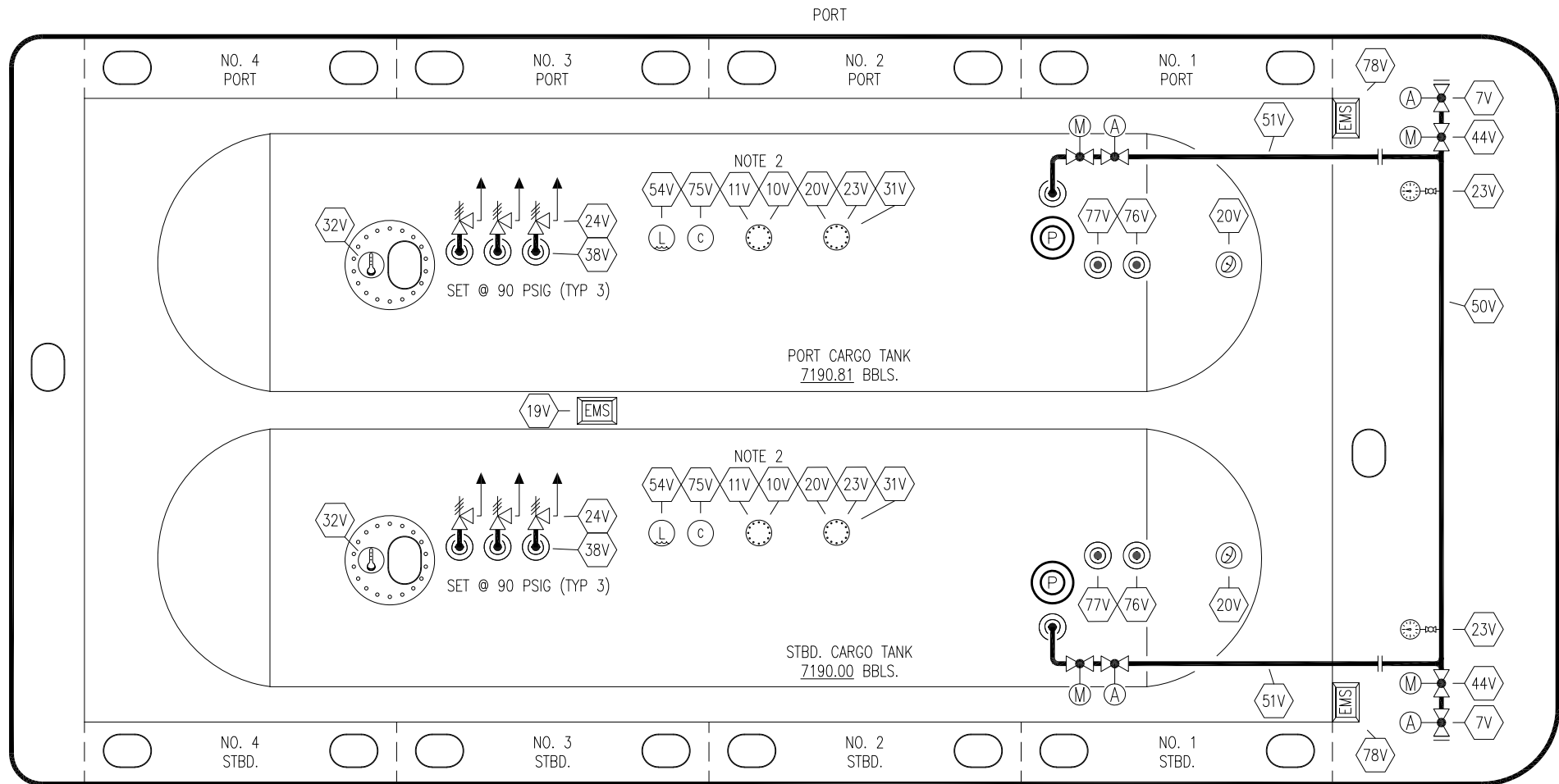
KIRBY INLAND MARINE

CARGO
PIPING FLOW DIAGRAM

KIRBY 14801

REV. 2

SCALE: NONE
PAGE: 1 OF 3



NO	DESCRIPTION	NO	DESCRIPTION
7V	HEADER VALVE	50V	VAPOR HEADER
10V	HIGH LEVEL/OVERFILL ALARM	51V	VAPOR PIPELINE
11V	GAUGE STICK	54V	LOW LEVEL GAUGE
19V	EMERGENCY ENGINE SHUT DOWN	55V	VACUUM BREAKER
20V	RADAR GAUGING	75V	COAXIAL GAUGE STICK
23V	PRESSURE GAUGE	76V	MASTER SUCTION VALVE REACH ROD
24V	PRESSURE RELIEF VALVE	77V	SALVAGE PUMP PIPELINE DROP
31V	SAMPLE POINT	78V	AIR VALVE SHUT DOWN BOX
32V	TEMPERATURE GAUGE	(M)	MANUAL VALVE
38V	VAPOR DROP OR PENETRATION	(A)	AUTOMATIC VALVE
41V	VAPOR TANK VALVE	—	ABOVE DECK PIPING
44V	BUTTERFLY VALVE		

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

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
2	04/20/22	MRV	DDA	CW	REVISED PER CLIENT COMMENTS
1	04/30/09	RB	BR	BR	UPDATE
0	04/06/09	RB	WK	OF	APPROVED

AVONDALE SHIPYARD — EX: HW CHEM 142

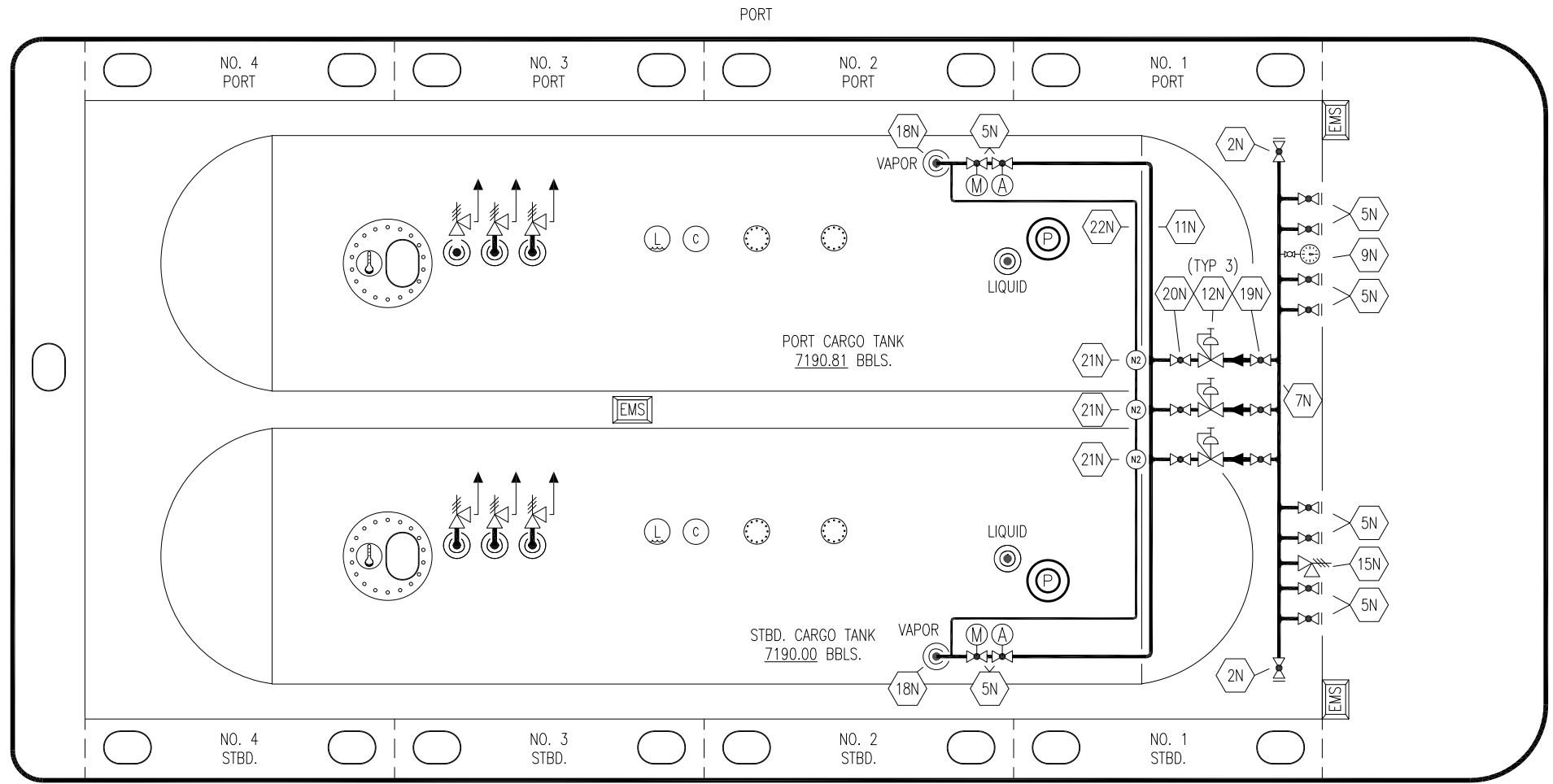
KIRBY INLAND MARINE

**VAPOR
PIPING FLOW DIAGRAM**

KIRBY 14801

SCALE: NONE
PAGE: 2 OF 3

REV. **2**



NO	DESCRIPTION	NO	DESCRIPTION
2N	NITROGEN SHORE CONNECTION	19N	REGULATOR SUPPLY
5N	N2 SUPPLY VALVE	20N	REGULATOR DISCHARGE
7N	NITROGEN HEADER	21N	REGULATOR SENSOR LINE CONNECTION
9N	N2 GAUGE	22N	N2 SENSOR PIPELINE
11N	NITROGEN PIPELINE	(A)	AUTOMATIC VALVE
12N	NITROGEN REGULATOR	(M)	MANUAL VALVE
15N	N2 RELIEF VALVE	—	ABOVE DECK PIPING
18N	PENETRATION	(C)	

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

"FOR PROPYLENE OXIDE SERVICE"

AVONDALE SHIPYARD — EX: HW CHEM 142

0	04/20/22	MRV	DDA	CW	ISSUED FOR APPROVAL
REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION

KIRBY INLAND MARINE

**NITROGEN
PIPING FLOW DIAGRAM**

KIRBY 14801

SCALE: NONE
 PAGE: 3 OF 3

REV. **0**