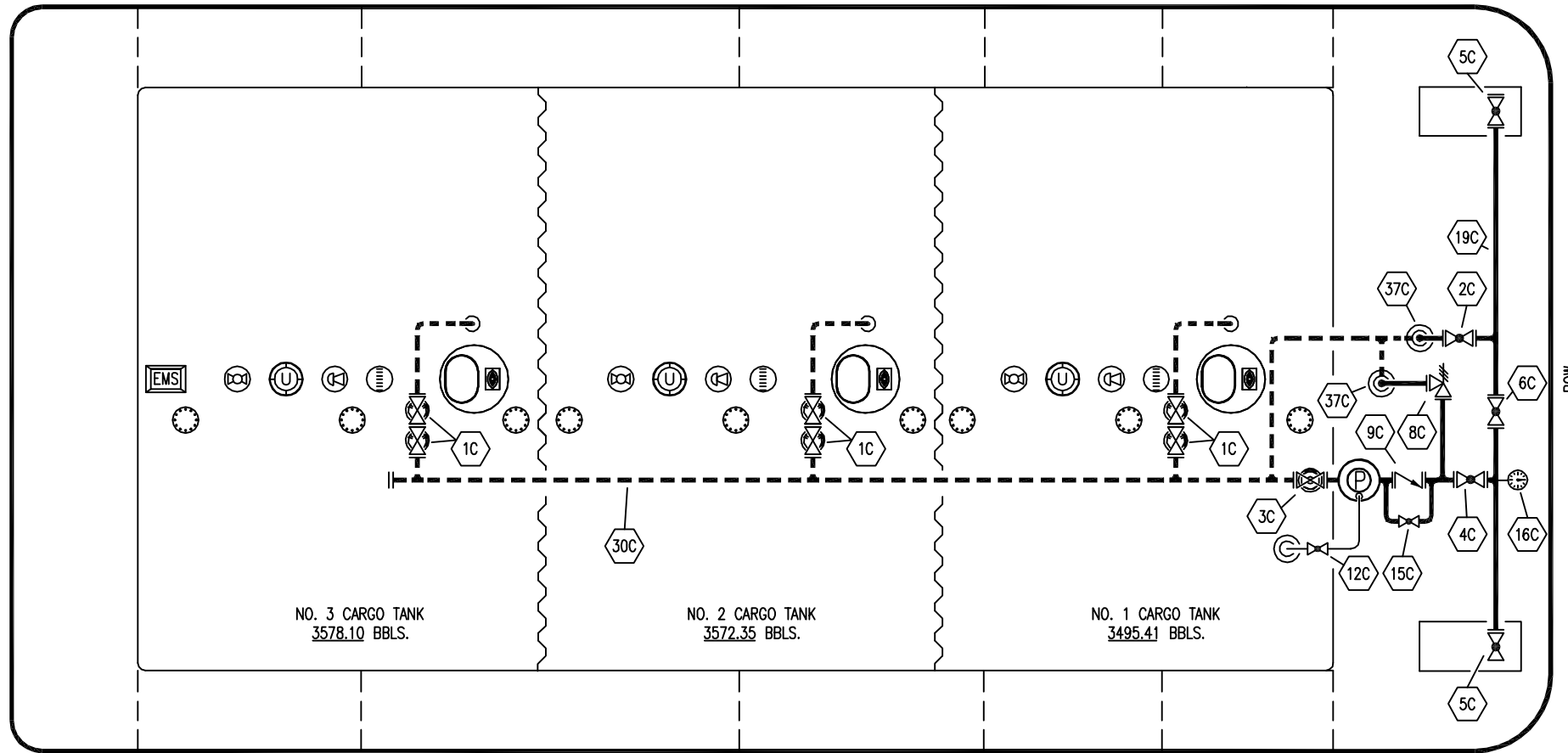


PORT

STERN



BOW

STARBOARD

NO. 3 CARGO TANK
3578.10 BBLs.

NO. 2 CARGO TANK
3572.35 BBLs.

NO. 1 CARGO TANK
3495.41 BBLs.

NO	SIZE	DESCRIPTION	NO	SIZE	DESCRIPTION
1C		CARGO TANK VALVE	16C		DISCHARGE PRESSURE GAUGE
2C		LOAD VALVE	19C		CARGO HEADER
3C		MASTER SUCTION VALVE	30C		CARGO PIPELINE
4C		DISCHARGE VALVE	37C		CARGO DROP
5C		HEADER VALVE			
6C		SALVAGE VALVE	—		ABOVE DECK PIPING
8C		RELIEF VALVE	- - -		BELOW DECK PIPING
9C		CHECK VALVE			
12C		BURP VALVE RETURN TO CARGO TANK			
15C		BYPASS VALVE (AROUND CHECK VALVE)			

JEFFBOAT - EX: S/R 115

KIRBY INLAND MARINE 

**CARGO
PIPING FLOW DIAGRAM**

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
2	02/25/09	RB	BR	OF	ADD 17Vs and 42Vs.
1	02/10/09	RB	OF	OF	ON-SITE INSPECTION
0	01/12/09	RB	WK	OF	APPROVED

SCALE: NONE
PAGE: 1 OF 4

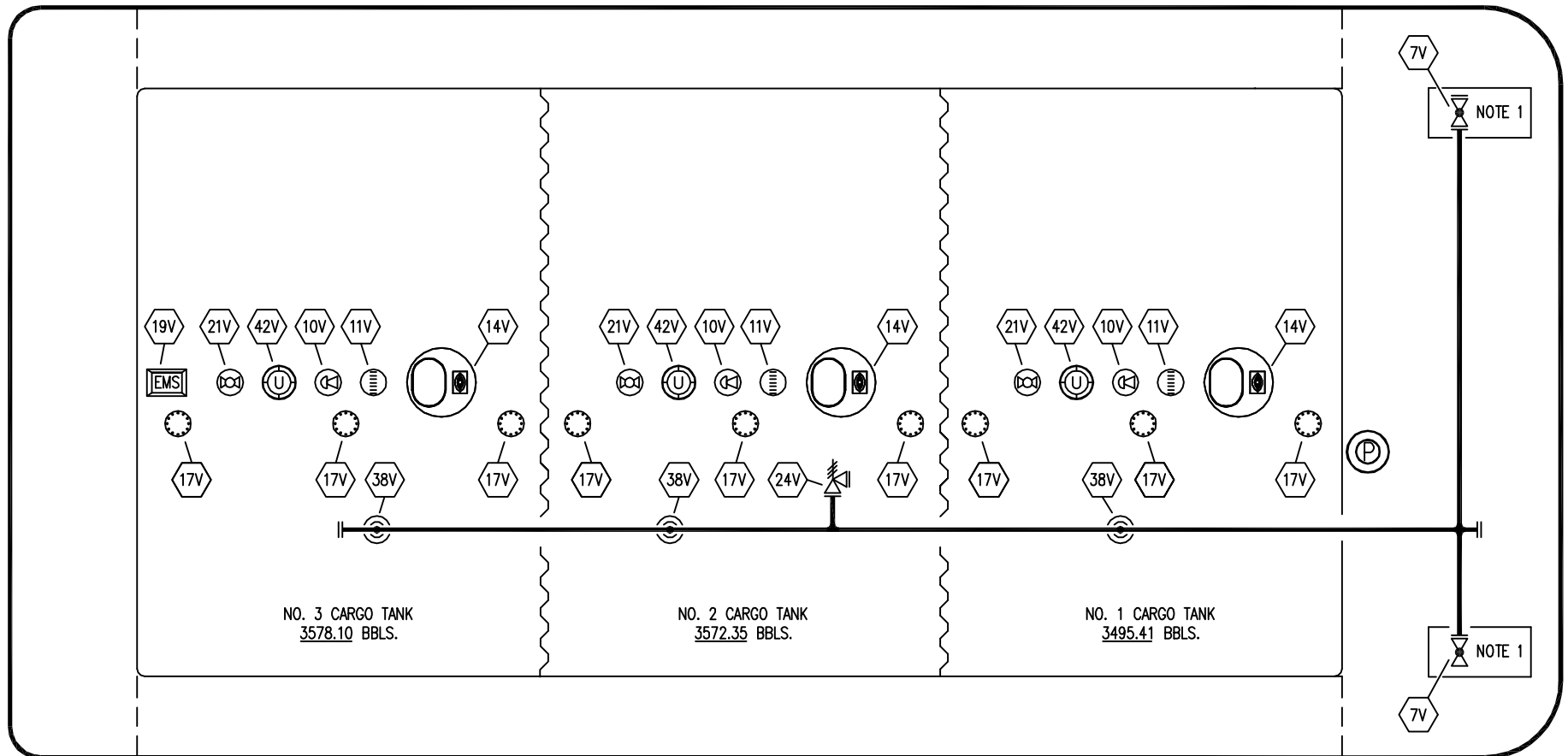
KIRBY 10563

REV. 2

PORT

STERN

BOW



NO. 3 CARGO TANK
3578.10 BBLs.

NO. 2 CARGO TANK
3572.35 BBLs.

NO. 1 CARGO TANK
3495.41 BBLs.

NOTE 1

NOTE 1

STARBOARD

NOTE 1: CONTAINMENT- PORT & STB.

JEFFBOAT - EX: S/R 115

NO	DESCRIPTION
7V	HEADER VALVE
10V	HIGH LEVEL/OVERFILL ALARM
11V	GAUGE STICK
14V	SIGHT GLASS
17V	10" BUTTERWORTH
19V	EMERGENCY SHUTDOWN SYSTEM
21V	HERMETIC GAUGE
24V	PRESSURE RELIEF VALVE
38V	VAPOR DROP
42V	6" ULLAGE
— ABOVE DECK PIPING	

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
2	02/25/09	RB	BR	OF	ADD 17Vs and 42Vs.
1	02/10/09	RB	OF	OF	ON-SITE INSPECTION
0	01/12/09	RB	WK	OF	APPROVED

KIRBY INLAND MARINE 

VAPOR
PIPING FLOW DIAGRAM

SCALE: NONE
PAGE: 2 OF 4

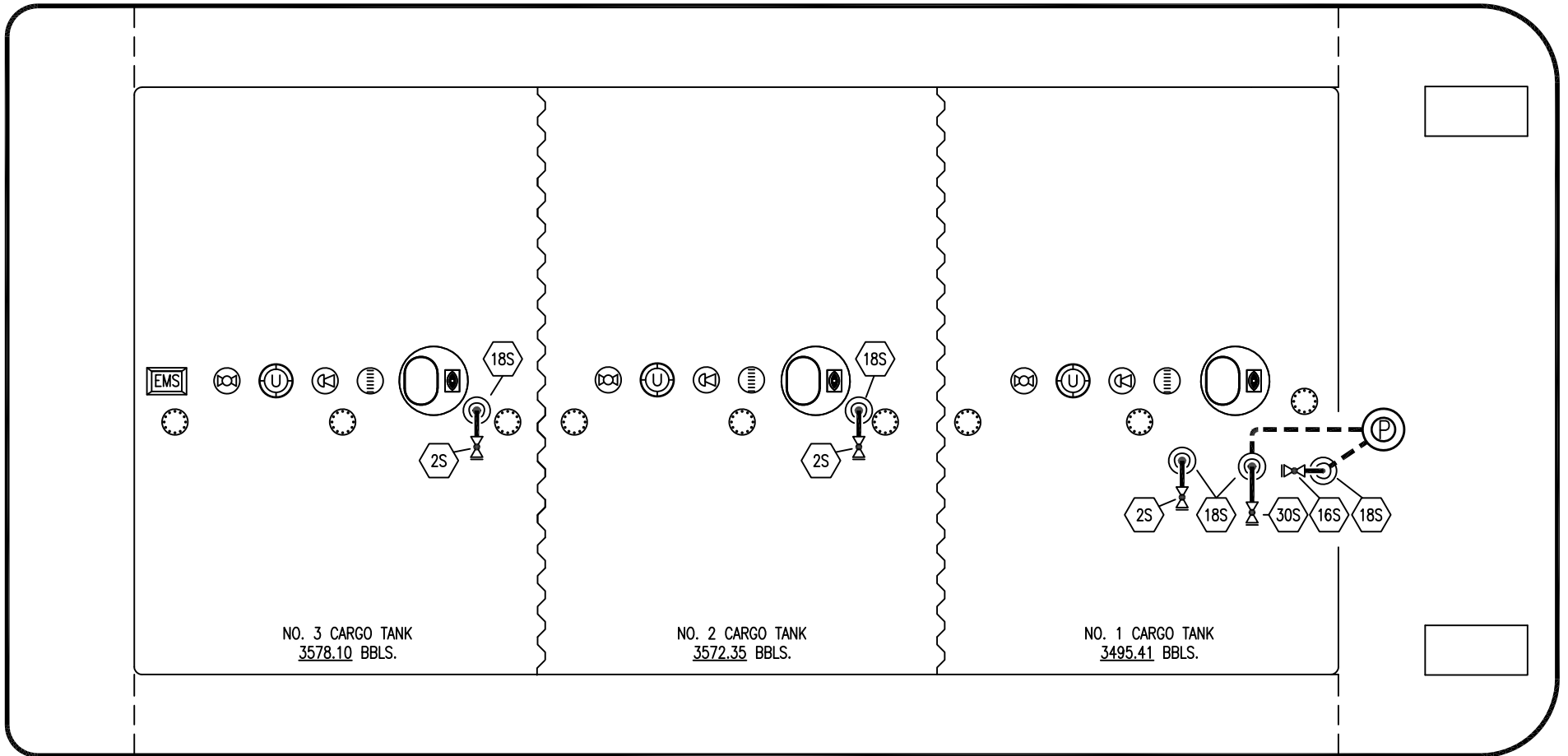
KIRBY 10563

REV. 2

PORT

STERN

BOW



NO. 3 CARGO TANK
3578.10 BBLs.

NO. 2 CARGO TANK
3572.35 BBLs.

NO. 1 CARGO TANK
3495.41 BBLs.

STARBOARD

NO	SIZE	DESCRIPTION
2S		STRIP SUMP
16S		PUMP REMOTE SUCTION
18S		STRIPPING DROP
30S		STRIP DEEP WELL
37S		BLOCK VALVE

— ABOVE DECK PIPING
- - - BELOW DECK PIPING

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
4	10/08/19	NRB	DDA		REVISED PER CLIENT COMMENTS
3	03/08/19	MRV	DDA		REVISED PER CLIENT COMMENTS
2	02/25/09	RB	BR	OF	ADD 17Vs and 42Vs.
1	02/10/09	RB	OF	OF	ON-SITE INSPECTION
0	01/12/09	RB	WK	OF	APPROVED

KIRBY INLAND MARINE 

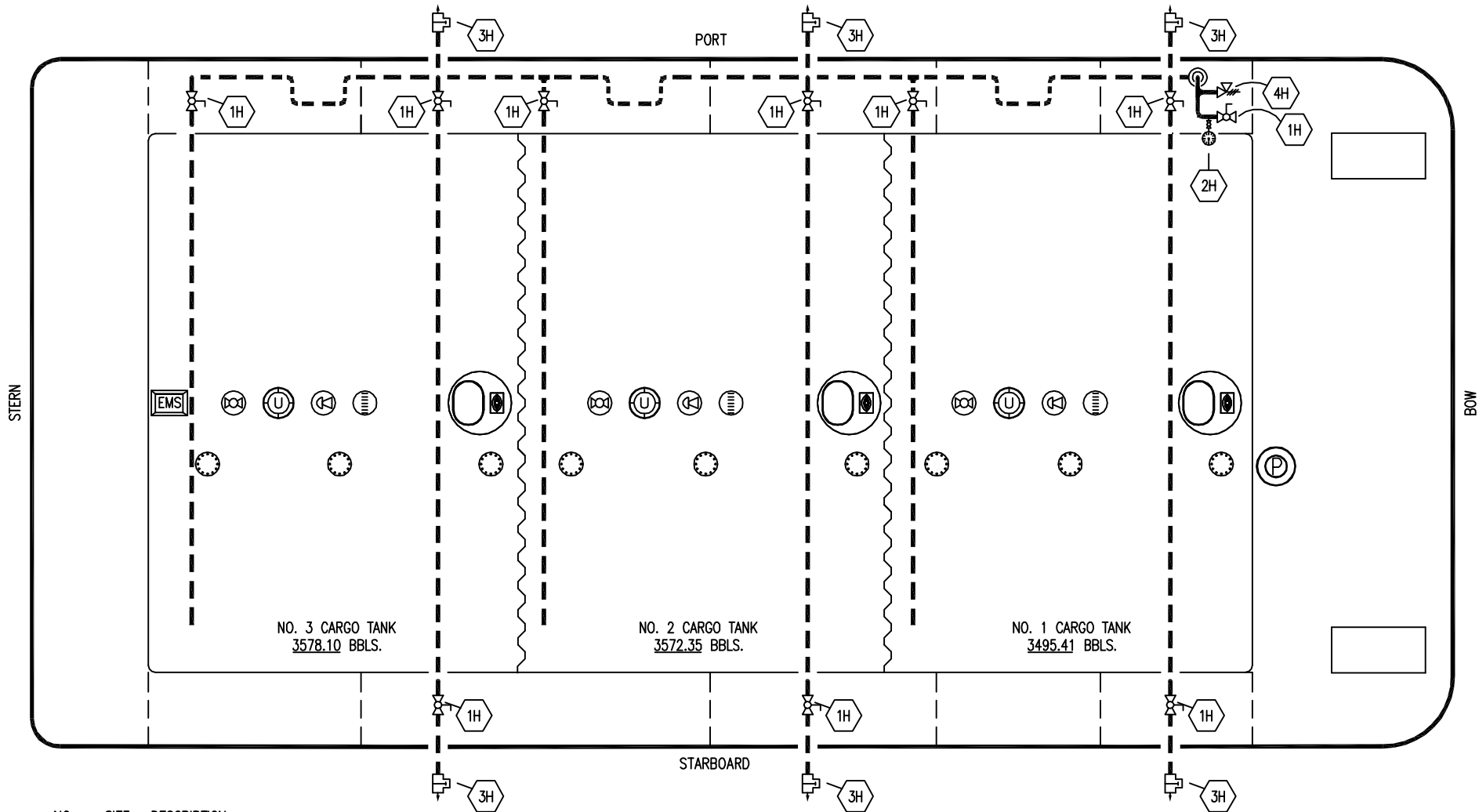
**STRIPPING
PIPING FLOW DIAGRAM**

SCALE: NONE

PAGE: 3 of 4

KIRBY 10563

REV. **4**



NO. 3 CARGO TANK
3578.10 BBLs.


NO. 2 CARGO TANK
3572.35 BBLs.

NO. 1 CARGO TANK
3495.41 BBLs.

- | NO | SIZE | DESCRIPTION |
|----|------|--------------------|
| 1H | | GLOBE VALVE |
| 2H | | PRESSURE GAUGE |
| 3H | | IMPULSE STEAM TRAP |
| 4H | | RELIEF VALVE |

- ABOVE DECK PIPING
- - - BELOW DECK PIPING

JEFFBOAT - EX: S/R 115

						KIRBY INLAND MARINE 	
0	02/25/09	RB	BR	OF	APPROVED NEW DWG.	SCALE:	NONE
REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION	PAGE:	4 OF 4
						KIRBY 10563	
						REV.	0