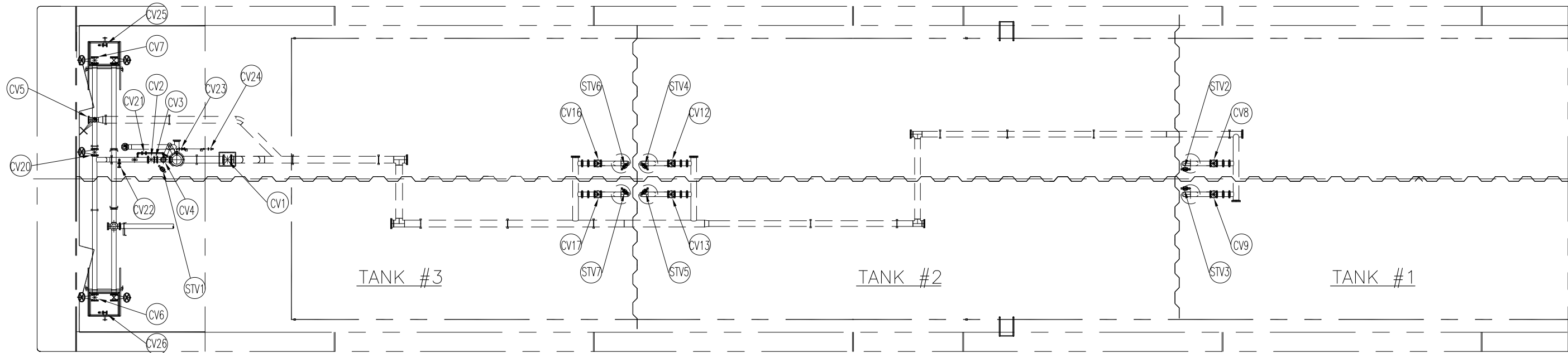




CARGO SYSTEM

- CV1 PUMP SUCTION VALVE
- CV2 PUMP DISCHARGE VALVE
- CV3 PUMP DISCHARGE CHECK VALVE
- CV4 PRESSURE RELIEF VALVE
- CV5 CARGO FILL/LOAD VALVE
- CV6 STBD HEADER VALVE
- CV7 PORT HEADER VALVE
- CV8 #1 PORT CARGO FILL/SUCTION VALVE
- CV9 #1 STBD CARGO FILL/SUCTION VALVE
- CV12 #2 PORT CARGO FILL/SUCTION VALVE
- CV13 #2 STBD CARGO FILL/SUCTION VALVE
- CV16 #3 PORT CARGO FILL/SUCTION VALVE
- CV17 #3 STBD CARGO FILL/SUCTION VALVE
- CV20 TRANSVERSE HEADER BLOCK VALVE
- CV21 PUMP DISCHARGE BYPASS
- CV22 PUMP DISCHARGE HEADER DRAIN
- CV23 PUMP BURP LINE VALVE
- CV24 PUMP BURP LINE CHECK VALVE
- CV25 PORT DRIP TRAY WATER DRAIN
- CV26 STBD DRIP TRAY WATER DRAIN

LOADING/UNLOADING PROCEDURE

(FOR LEVEL LOADING/UNLOADING OF A SINGLE PRODUCT)

TO LOAD:
OPEN
CV6 OR CV7, CV5, CV8, CV9, CV12, CV13,
CV16, CV17, CV20.

CLOSE
CV1, CV2, CV21, CV22, CV23, CV24, CV25,
CV26.

TO DISCHARGE:
OPEN
CV6 OR CV7, CV1, CV2, CV8, CV9, CV12,
CV13, CV16, CV17, CV20.

CLOSE
CV5, CV21, CV22, CV23, CV24, CV25, CV26.

TANK VOL. 100% FULL

TANK	GAL.	BBL.	CU. FT.
1P	220110	5241	29426
1S	220110	5241	29426
2P	215040	5120	28747
2S	215040	5120	28747
3P	206262	4911	27573
3S	206262	4911	27573
TOTAL	1282824	30,544	171492
		98% FULL 29,933	

MAX CAPACITY - BBL (100%)			
TOTAL	TANK NUMBER		
	1 P/S	2 P/S	3 P/S
30544	10482	10240	9822

MAX CAPACITY - CU. FT. (100%)			
TOTAL	TANK NUMBER		
	1 P/S	2 P/S	3 P/S
171492	58852	57494	55146

FOR LEVEL LOADING OF A SINGLE PRODUCT

DRAFT (FT)	TOTAL (S.T.)	TANK NUMBER		
		3 P/S	2 P/S	1 P/S
2.5	330.36	61.51	51.20	52.47
3.0	566.37	97.91	91.50	93.78
3.5	803.29	134.06	132.15	135.44
4.0	1041.10	169.81	173.21	177.52
4.5	1279.80	205.20	214.68	220.02
5.0	1519.38	240.33	256.49	262.87
5.5	1759.81	275.12	298.67	306.11
6.0	2000.98	309.61	341.19	349.68
6.5	2243.07	343.74	384.12	393.68
7.0	2486.02	377.59	427.39	438.03
7.5	2729.85	411.08	471.06	482.78
8.0	2974.54	444.20	515.12	527.95
8.5	3220.08	476.94	559.58	573.51
9.0	3466.35	509.44	604.35	619.39
9.5	3713.55	541.59	649.51	665.68
10.0	3961.61	573.19	695.15	712.46
10.5	4210.52	604.57	741.12	759.57
11.0	4460.30	635.60	787.47	807.08
11.5	4710.93	666.07	834.31	855.08

*VALUES FOR LEVEL TRIM WITH FUEL TANK AT 98% FULL

SPECIAL FEATURES

- CARGO PUMP: BYRON JACKSON
MODEL 11LS14GH-3
AMARILLO S200A GEAR 1:1 RATIO
2200 GPM, 250' TDH
⊗ 180 H.P.
- CARGO PUMP ENGINE: CUMMINS
6 CTA 8.3 ENGINE

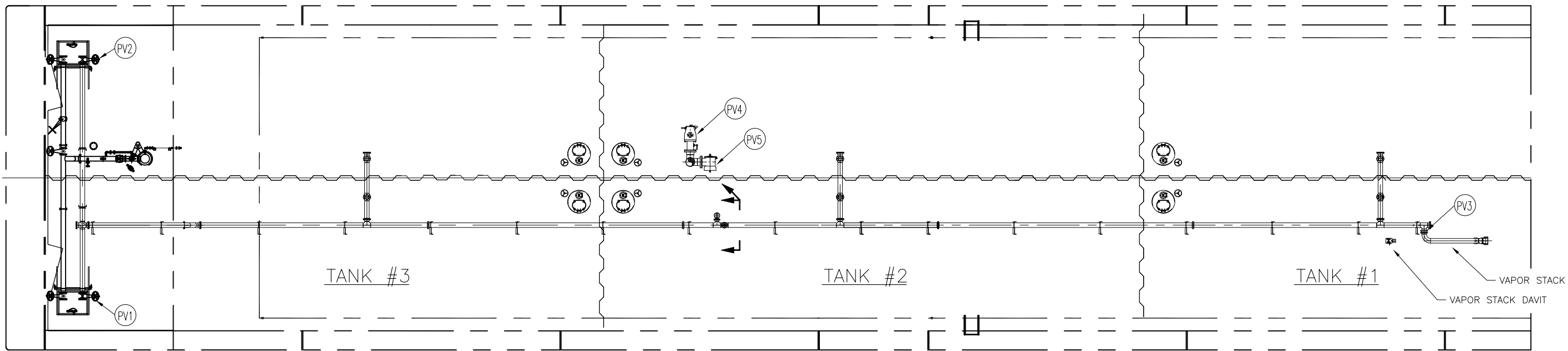
BARGE INFORMATION

HULL NO.	2213-1	2213-2	2213-3	2213-4
NAME:	CBC 317	CBC 318	CBC 319	CBC 320
OFF. #	1249403	1249404	1249405	1249406

YEAR BUILT: 2013
HULL TYPE: III
CARGO GRADE: A & CERTAIN
SUBCHAPTER "O" PRODUCTS

AB	AS-BUILT	1/31/14	MD
1	REVISED BARGE INFORMATION	9/20/13	GG
REV	ITEM	DESCRIPTION	DATE BY
REVISIONS			
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TRINITY MARINE PRODUCTS, INC. TANK BARGE DIVISION 1050 Trinity Road - Ashland City, TN 37015			
CANAL BARGE COMPANY, INC.			
297'-6" X 54'-0" X 12'-0" DOUBLE SKIN TANK BARGE			
CARGO PIPING DIAGRAM			
SCALE: N/A		DATE: 9/11/13	
DRAWN BY: JF		CK'D BY: APPR BY:	
YARD: MADISONVILLE		TAG NO. 38207	
HULL NO. 2213-1 THRU 4		SHOP ORDER:	
		DWG NO. P-01C SHT 1 OF 1	
		REV. AB	

BARGE NAMES - CBC 317-320



VAPOR SYSTEM:

- PV1 STBD TRANSVERSE HEADER VALVE
- PV2 PORT TRANSVERSE HEADER VALVE
- PV3 VENT STACK BLOCK VALVE
- PV4 PRESSURE RELIEF VALVE
- PV5 VACUUM RELIEF VALVE

AB		AS-BUILT			1/31/14 MD
REV	ITEM	DESCRIPTION			DATE BY
		REVISIONS			
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SCALE: N/A		DATE: 9/11/13		DWG NO.	
DRAWN BY: JF		CK'D BY:		APPR BY:	
YARD: MADISONVILLE		TAG NO. 38207		P-01V	
HULL NO. 2213-1 THRU 4		SHOP ORDER:		SHT 1 OF 1	
				REV. AB	

BARGE NAMES - CBC 317-320