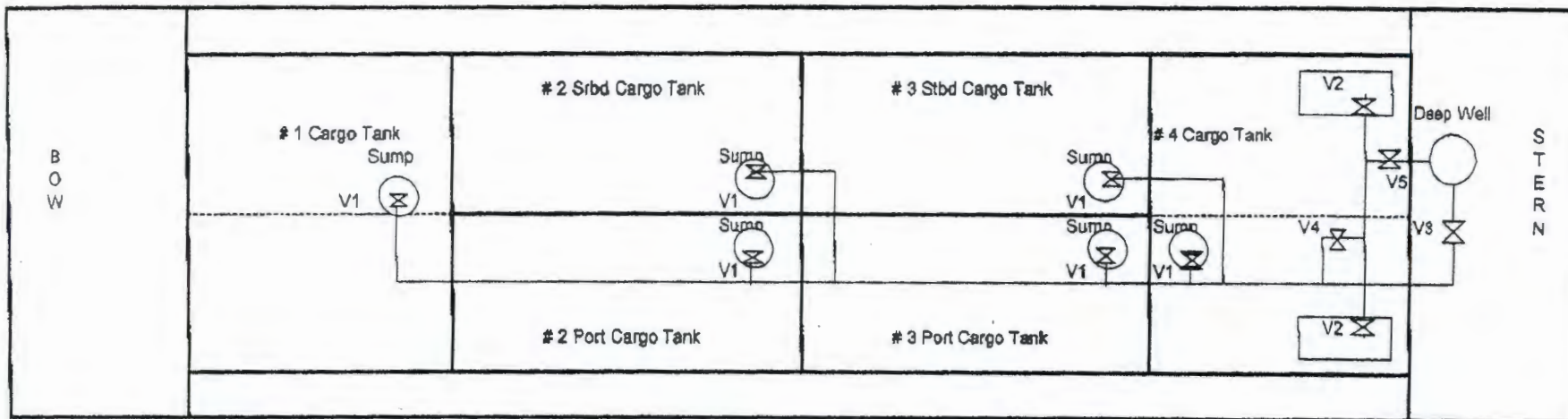


BARGE BFD

HULL NO. 1485
 NAME: CBC-204
 OFFICAL NO. 1027572
 YEAR BUILT: 1995
 HULL TYPE: II & III
 CARGO GRADE: A & LOWER
 CUBCH: U CARGO: SOLVENTS/LIGHT CHEM.

CBC 204



- V-1 Tank Valve
- V-2 Header Valve
- V-3 Pump Suction Valve
- V-4 Loading Valve
- V-6 Discharge Valve

- To Load:**
 Close V-3
 Open V-2 (To Dock)
 Open V-4
 Open V-1

- To Pump:**
 Open V-2 (To Dock)
 Open V-3
 Open V-1
 Close V-4
 Open V-5

SPECIAL FEATURE

- 1.COMMON VAPOR HEADER
- 2.DEEPWELL PUMP
- 3.ENGINE DETROIT DIESEL 6-7IN
- 4.P/V VALVE: 4" SE-WON HPV.
- 3 PSI PRESS, 1 PSI VAC
- 5.TANKS ARE LINED OR COATED.

CARVAL BARGE COMPANY, INC.
185'x34'x11' BOWTIE HULL TK BARGE
CARGO PIPING & VAPOR
COLLECTION SYSTEM
PIPING DIAGRAM
CBC-204

CAPACITIES - SHORT TONS AT VARIOUS DRAFTS					
DRAFT FT.	TOTAL S.T.	TANK NUMBER			
		1 S.T.	2 P/S S.T.	3 P/S S.T.	4 S.T.
2.5	185.11	22.6	54	54	54.5
3	338.37	55.37	94	94	95
3.5	492.50	89.25	134	134	135.25
4	647.39	123.89	174	174	175.5
4.5	803.30	159.5	214	214	215.53
5	959.29	198	432	432	257.29
5.5	1116.54	233.54	294	294	295
6	1273.58	271.58	334	334	334
6.5	1431.60	310.5	374	374	373.1
7	1590.20	350	414	414	412.2
7.5	1749.38	392.38	452	452	453
8	1909.12	433.62	492	492	491.5
8.5	2069.34	476.34	531	531	531
9	2230.06	519.56	570	570	570.5
9.5	2391.38	562.88	610	610	608.5
10	2553.27	608.57	648	648	648.7
10.5	2715.75	653.25	688	688	686.5
11	2878.80	700.8	726	726	726
MAX. CAPACITY - BBL (98%)					
	16019.6	3671.1	4116.2	4116.2	4116.1
MAX. CAPACITY - CU. FT. (98%)					
	89942.3	20611.2	23110.6	23110.6	23109.9

*Assumed specific capacity of cargo for above tanks is 1.63.