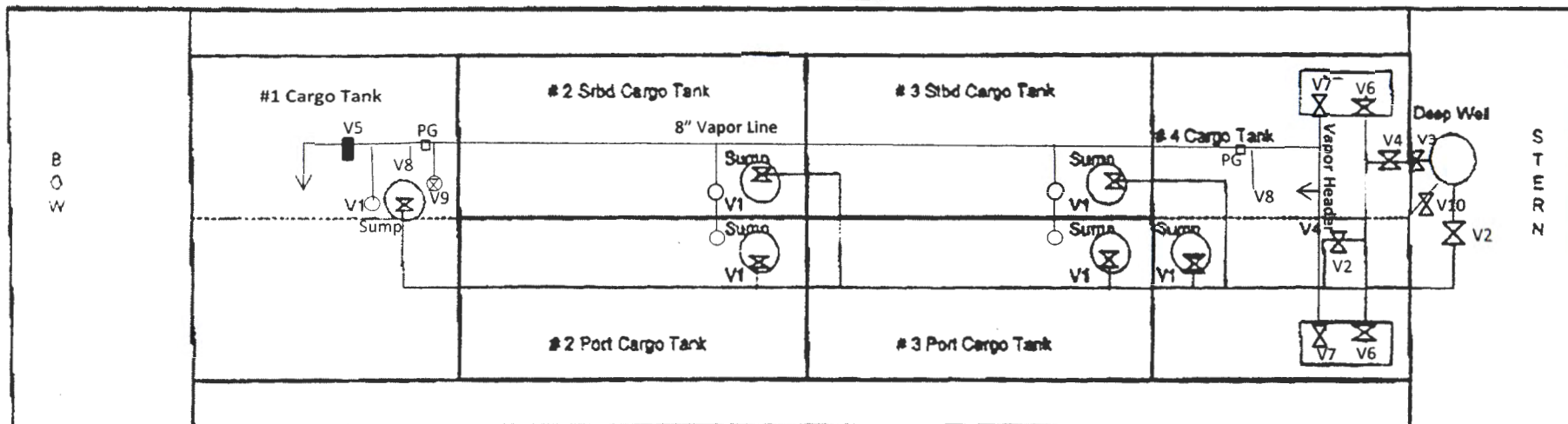


PLATE 203
CARGO BARGE COMPANY, INC.
150'x40'x12' DOUBLE DECK TUG BARGE
CARGO PIPING & VAPOR
COLLECTION SYSTEM
PIPING DIAGRAM
CBC-203



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	4116.2	4116.1
MAX. CAPACITY - CU. FT. (98%)					
89942.3	20611.2	23110.6	23110.6	23110.6	23109.9

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

V1 CARGO TANK VALVES
V2 LOADING VALVE
V3 CHECK VALVE
V4 DISCHARGE VALVE
V5 VAPOR STACK VALVE
V6 LIQUID HEADER VALVES
V7 VAPOR HEADER VALVES
V8 VAPOR DRAIN
V9 P/V VALVE
V10 SUCTION VALVE
PG VAC PRESS GAUGE

TO LOAD:
CLOSE V10
OPEN V6 (TO DOCK)
OPEN V2
OPEN V1

TO PUMP:
OPEN V6 (TO DOCK)
OPEN V4
OPEN V1
CLOSE V2
OPEN V3

BARGE INFO

HULL NO. 1468
NAME: CBC-203
OFFICIAL NO. 1027671
YEAR BUILT: 1990
HULL TYPE: B & B
CARGO GRADE: A & B
CARGO: "O" CARGO: SOLVENTS/LIGHT CHEM.