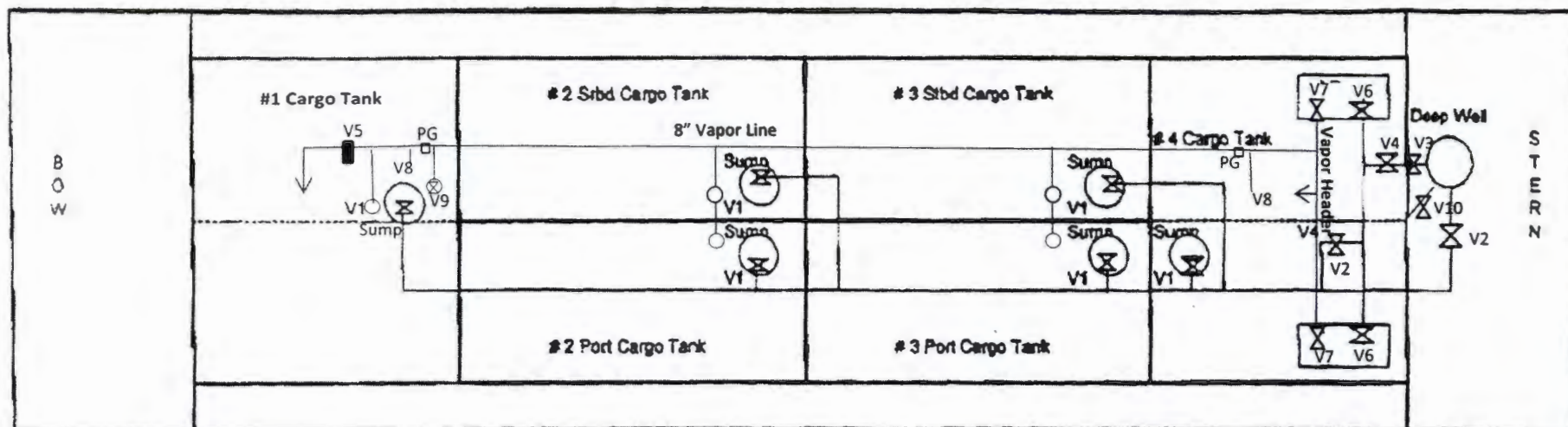




V1 CARGO TANK VALVES
 V2 LOADING VALVE
 V3 CHECK VALVE
 V4 DISCHAGE VALVE
 V5 VAPOR STACK VALVE
 V6 LIQUID HEADER VALVES
 V7 VAPOR HEADER VALVES
 V8 VAPOR DRAIN
 V9 P/V VALVE
 V10 SUCTION VALVE
 PG VAC PRESS GAUGE

TO LOAD:	TO PUMP:
CLOSE V10	OPEN V6 (TO DOCK)
OPEN V6 (TO DOCK)	OPEN V4
OPEN V2	OPEN V1
OPEN V1	CLOSE V2
	OPEN V3

BARGE INFO.	
HULL NO. TMOP 1387	
NAME : CBC 193	
OFFICAL NO.: 999973	
YEAR BUILT: 1994	
HULL TYPE: II & III	
CARGO GRADE: A & LOWER	
CUBCH. "OF" CARGO: SOLVENTS/LIGHT CHEM.	
GROSS TON: 1081	
GREYNA MACHINE & IRON WORKS	
4840 PETERS ROAD	HARVEY, LA.
CANAL BARGE COMPANY INC.	
190' X 54' X 12'-0" DOUBLE BICH TANK BARGE	
PIPING DIAGRAM	
DATE: 1-21-95	BY: P-2D
APPD: [Signature]	0

CAPACITIES - SHORT TONS AT VARIOUS DRAFTS						
DRAFT FT.	TOTAL S.T.	TANK NUMBERS				
		1 S.T.	2 P/S S.T.	3 P/S S.T.	4 S.T.	
2.00	58.60	14.66	14.82	14.82	14.10	
2.50	211.20	52.83	53.79	53.79	50.80	
3.00	364.70	81.23	82.88	82.88	87.72	
3.50	519.00	128.83	132.17	132.17	124.83	
4.00	674.20	168.65	171.70	171.70	162.16	
4.50	830.10	207.64	211.40	211.40	199.86	
5.00	986.70	246.81	251.28	251.28	237.32	
5.50	1143.90	286.14	291.32	291.32	275.13	
6.00	1301.70	325.61	331.50	331.50	313.09	
6.50	1460.10	365.23	371.84	371.84	351.18	
7.00	1619.10	405.00	412.33	412.33	389.43	
7.50	1778.60	444.90	452.85	452.85	427.79	
8.00	1938.70	484.95	493.73	493.73	466.30	
8.50	2099.40	525.15	534.65	534.65	504.95	
9.00	2260.70	565.46	575.73	575.73	543.75	
9.50	2422.50	605.97	616.94	616.94	582.64	
10.00	2584.90	646.59	658.29	658.29	621.72	
10.50	2747.80	687.34	699.78	699.78	660.90	
11.00	3448.30	882.07	877.67	877.67	828.91	
MAX. CAPACITY - BBL (98%)						
18560.0	4142.0	4217.0	4217.0	4217.0	3884.0	
MAX. CAPACITY - CU. FT. (98%)						
92984.0	23257	23678	23678	23678	22371	