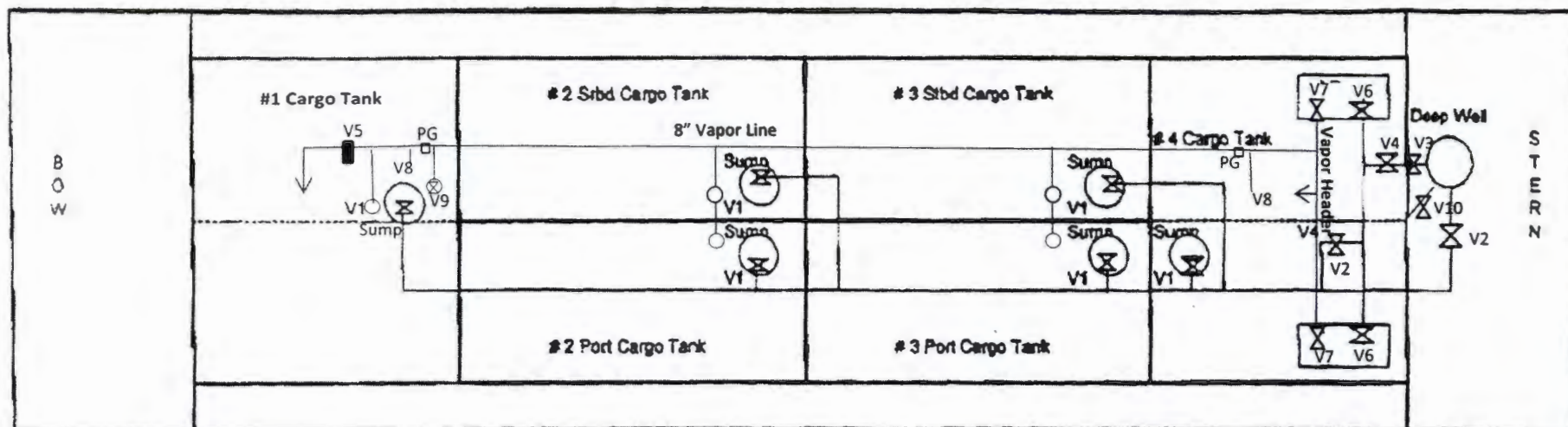




V1 CARGO TANK VALVES  
 V2 LOADING VALVE  
 V3 CHECK VALVE  
 V4 DISCHARGE VALVE  
 V5 VAPOR STACK VALVE  
 V6 LIQUID HEADER VALVES  
 V7 VAPOR HEADER VALVES  
 V8 VAPOR DRAIN  
 V9 P/V VALVE  
 V10 SUCTION VALVE  
 PG VAC PRESS GAUGE

|                   |                   |
|-------------------|-------------------|
| <b>TO LOAD:</b>   | <b>TO PUMP:</b>   |
| 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    | 565.40       | 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  |  |