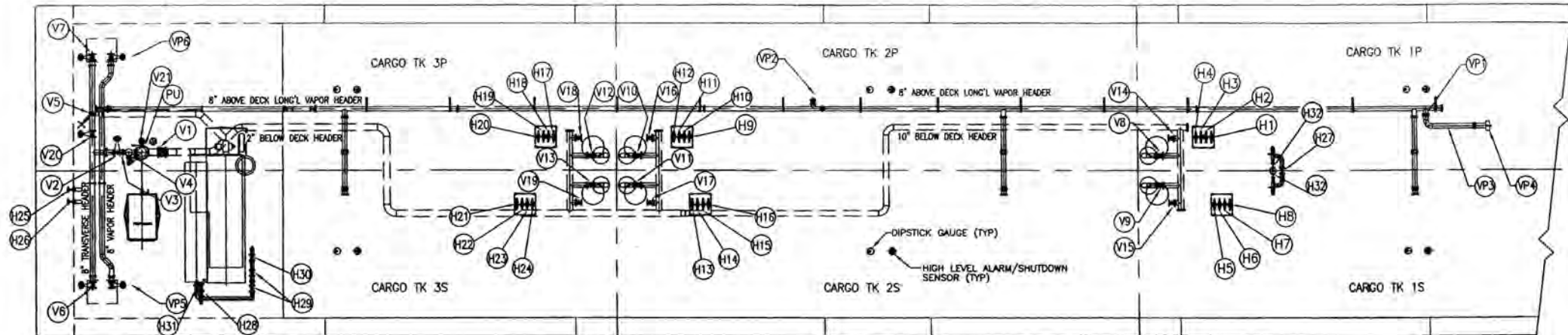




#### VALVE IDENTIFICATION CHART:

V1 PUMP SUCTION VALVE  
V2 PUMP DISCHARGE VALVE  
V3 PUMP DISCHARGE CHECK VALVE  
V4 PRESSURE RELIEF VALVE  
V5 CARGO FILL/LOAD VALVE  
V6 STBD HEADER VALVE  
V7 PORT HEADER VALVE  
V8 #1 PORT CARGO FILL/SUCTION VALVE  
V9 #1 STBD CARGO FILL/SUCTION VALVE  
V10 #2 PORT CARGO FILL/SUCTION VALVE  
V11 #2 STBD CARGO FILL/SUCTION VALVE  
V12 #3 PORT CARGO FILL/SUCTION VALVE  
V13 #3 STBD CARGO FILL/SUCTION VALVE  
V14 #1 PORT CARGO HIGH LOADING VALVE  
V15 #1 STBD CARGO HIGH LOADING VALVE  
V16 #2 PORT CARGO HIGH LOADING VALVE  
V17 #2 STBD CARGO HIGH LOADING VALVE  
V18 #3 PORT CARGO HIGH LOADING VALVE  
V19 #3 STBD CARGO HIGH LOADING VALVE  
V20 HEADER BLOCK VALVE  
V21 PUMPWELL DRAIN VALVE  
PU CARGO PUMP

#### TO LOAD

OPEN: V5,V8,V9,V10,V11,V12,V13  
OPEN: V14,V15,V16,V17,V18,V19  
CLOSE: V1 & V2  
OPEN: V6 OR V7 TO DOCK  
OPEN: V20 IF NECESSARY

#### TO PUMP

OPEN: V1,V2,V8,V9,V10,V11,V12,V13  
CLOSE: V5,V14,V15,V16,V17,V18,V19  
OPEN: V6 OR V7 TO DOCK  
OPEN: V20 IF NECESSARY

#### HOT OIL SYSTEM:

H1 #1 PORT HOT OIL SUPPLY VALVE - LOWER  
H2 #1 PORT HOT OIL SUPPLY VALVE - UPPER  
H3 #1 STBD HOT OIL SUPPLY VALVE - LOWER  
H4 #1 STBD HOT OIL SUPPLY VALVE - UPPER  
H5 #1 PORT HOT OIL RETURN VALVE - LOWER  
H6 #1 PORT HOT OIL RETURN VALVE - UPPER  
H7 #1 STBD HOT OIL RETURN VALVE - LOWER  
H8 #1 STBD HOT OIL RETURN VALVE - UPPER  
H9 #2 PORT HOT OIL SUPPLY VALVE - LOWER  
H10 #2 PORT HOT OIL SUPPLY VALVE - UPPER  
H11 #2 STBD HOT OIL SUPPLY VALVE - LOWER  
H12 #2 STBD HOT OIL SUPPLY VALVE - UPPER  
H13 #2 PORT HOT OIL RETURN VALVE - LOWER  
H14 #2 PORT HOT OIL RETURN VALVE - UPPER  
H15 #2 STBD HOT OIL RETURN VALVE - LOWER  
H16 #2 STBD HOT OIL RETURN VALVE - UPPER  
H17 #3 STBD HOT OIL SUPPLY VALVE - UPPER  
H18 #3 STBD HOT OIL SUPPLY VALVE - LOWER  
H19 #3 PORT HOT OIL SUPPLY VALVE - UPPER  
H20 #3 PORT HOT OIL SUPPLY VALVE - LOWER  
H21 #3 PORT HOT OIL RETURN VALVE - UPPER  
H22 #3 PORT HOT OIL RETURN VALVE - LOWER  
H23 #3 STBD HOT OIL RETURN VALVE - UPPER  
H24 #3 STBD HOT OIL RETURN VALVE - LOWER  
H25 HOT OIL SUPPLY CONNECTION  
H26 HOT OIL RETURN CONNECTION  
H27 HOT OIL BY-PASS  
H28 HOT OIL SUPPLY VALVE  
H29 HOT OIL STRAINER ISOLATION VALVES  
H30 HOT OIL RETURN BLOCK VALVE  
H31 HOT OIL SUPPLY/RETURN BYPASS VALVE  
H32 HOT OIL BYPASS BLOCK VALVES

#### VAPOR SYSTEM:

VP1 VAPOR STACK VALVE  
VP2 PRESS/VACUUM VALVES  
VP3 VENT STACK  
VP4 RAIN CAP  
VP5 VAPOR HEADER VALVE-STBD  
VP6 VAPOR HEADER VALVE-PORT

FWD  
PLAN  
1/8" = 1'-0"

#### TANK VOL. 100% FULL

| TANK  | GAL.      | BBL.     | CU. FT. |
|-------|-----------|----------|---------|
| 1P    | 189,783   | 4519     | 25,370  |
| 1S    | 189,783   | 4519     | 25,370  |
| 2P    | 185,175   | 4409     | 24,754  |
| 2S    | 185,175   | 4409     | 24,754  |
| 3P    | 175,836   | 4187     | 23,506  |
| 3S    | 175,836   | 4187     | 23,506  |
| TOTAL | 1,101,566 | 26,228   | 147,261 |
|       |           | 98% FULL | 25,704  |

| CAPACITIES—SHORT TONS AT VARIOUS DRAFTS* |              |             |         |         |
|------------------------------------------|--------------|-------------|---------|---------|
| DRAFT (FT)                               | TOTAL (S.T.) | TANK NUMBER |         |         |
|                                          |              | 1 P/S       | 2 P/S   | 3 P/S   |
| 2.5                                      | 169.70       | 60.68       | 59.42   | 49.60   |
| 3.0                                      | 405.38       | 143.22      | 139.74  | 122.42  |
| 3.5                                      | 641.96       | 225.82      | 222.08  | 194.06  |
| 4.0                                      | 879.40       | 310.12      | 303.40  | 265.88  |
| 4.5                                      | 1117.78      | 394.92      | 386.24  | 336.62  |
| 5.0                                      | 1357.00      | 481.14      | 468.32  | 407.54  |
| 5.5                                      | 1597.10      | 567.40      | 552.92  | 476.78  |
| 6.0                                      | 1837.90      | 654.14      | 638.26  | 545.50  |
| 6.5                                      | 2079.62      | 742.02      | 723.86  | 613.74  |
| 7.0                                      | 2322.24      | 830.82      | 809.72  | 681.70  |
| 7.5                                      | 2565.70      | 919.82      | 897.60  | 748.28  |
| 8.0                                      | 2810.04      | 1010.16     | 985.22  | 814.66  |
| 8.5                                      | 3055.24      | 1101.08     | 1074.10 | 880.06  |
| 9.0                                      | 3301.16      | 1193.28     | 1162.22 | 945.66  |
| 9.5                                      | 3548.00      | 1285.58     | 1252.60 | 1009.82 |
| 10.0                                     | 3795.72      | 1379.10     | 1343.50 | 1073.12 |
| 10.5                                     | 4044.28      | 1472.42     | 1436.66 | 1135.20 |
| 11.0                                     | 4293.68      | 1567.56     | 1528.56 | 1197.56 |
| 11.5                                     | 4542.28      | 1662.26     | 1621.90 | 1258.12 |
| MAX CAPACITY - BBL (100%)                |              |             |         |         |
|                                          | 26,228       | 9037        | 8818    | 8373    |
| MAX CAPACITY - CU. FT. (100%)            |              |             |         |         |
|                                          | 147,261      | 50741       | 49509   | 47012   |

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

#### SPECIAL FEATURES

- CARGO PUMP: BYRON JACKSON  
MODEL 12LS16GHC  
AMARILLO GEAR 1:1 RATIO  
2800 GPM, 237' TDH  
@ 207 H.P.
- CARGO PUMP ENGINE: CUMMINS  
8 CTA 8.3 ENGINE

#### BARGE INFORMATION

| HULL NO. | 2180-3   | 2180-4   | 2180-5   |
|----------|----------|----------|----------|
| NAME:    | CBC 7035 | CBC 7036 | CBC 7037 |
| OFF. #   | 1221251  | 1221252  | 1221253  |

YEAR BUILT: 2009  
HULL TYPE: III  
CARGO GRADE: B & LOWER  
SUBCHAPTER "D" PRODUCTS

Released  
for  
Production

| REV                                                                                                                                                                                                                                                                                                                                                                                  | ITEM         | DESCRIPTION                                      | DATE    | BY       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------|---------|----------|
| 4                                                                                                                                                                                                                                                                                                                                                                                    |              | ADDED PUMPWELL DRAIN VALVE.                      | 10/7/09 | SOB      |
| 3                                                                                                                                                                                                                                                                                                                                                                                    |              | ADDED CAPACITIES, SPECIAL FEATURES & BARGE INFO. | 9/29/09 | SOB      |
| 2                                                                                                                                                                                                                                                                                                                                                                                    |              | UPDATED PER CUSTOMER CHANGES                     | 9/08/09 | KIA      |
| 1                                                                                                                                                                                                                                                                                                                                                                                    |              | REVISED PER PRE-CONSTRUCTION MEETING.            | 7/15/09 | CVA      |
| REVISIONS                                                                                                                                                                                                                                                                                                                                                                            |              |                                                  |         |          |
| The drawings and the information shown thereon are copyrighted by Trinity Marine Products (2009) and the sole property of Trinity Marine Products. Neither the drawings nor such information is to be used for any purpose other than that for which it was specifically furnished from Trinity Marine Products, LLC, nor is any reproduction authorized without written permission. |              |                                                  |         |          |
| <br>TRINITY MARINE PRODUCTS, INC.<br>100 Ship Road - Island City, TN 37060<br>CANAL BARGE COMPANY, INC.<br>297'-0" X 54'-0" X 12'-0" DOUBLE SKIN TANK BARGE                                                                                                                                                                                                                          |              |                                                  |         |          |
| PIPING DIAGRAM                                                                                                                                                                                                                                                                                                                                                                       |              |                                                  |         |          |
| SCALE:                                                                                                                                                                                                                                                                                                                                                                               | 1/8" = 1'-0" | DATE:                                            | 8/9/09  | DWG NO.  |
| DRAWN BY:                                                                                                                                                                                                                                                                                                                                                                            | BYRON        | CHK'D BY:                                        | CVA     | APPR BY: |
| TANK:                                                                                                                                                                                                                                                                                                                                                                                | MANSONVILLE  | TAG NO.                                          | 38174A  | REV. 4   |
| HULL NO.                                                                                                                                                                                                                                                                                                                                                                             | 2180-3,4,5   | SHIP ORDER:                                      |         |          |