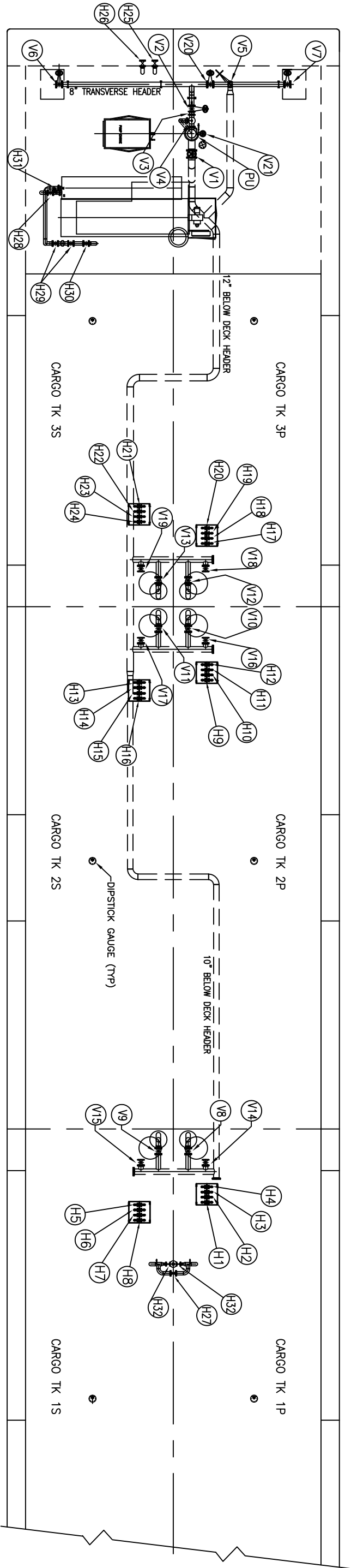




VALVE IDENTIFICATION CHART

- 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 PUMPELL BLOCK VALVE
- V21 PUMPELL 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 & V21

- 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 & V21
- 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 - UPPER
- H14 #2 PORT HOT OIL RETURN VALVE - LOWER
- 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 - LOWER
- H24 #3 STBD HOT OIL RETURN VALVE - UPPER
- 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

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 | 1,101,586 | 26,228   | 147,261 |
|       |           | 98% FULL | 25,704  |

PLAN

1/8" = 1'-0"

FWD

BARGE INFORMATION

|          |          |          |         |
|----------|----------|----------|---------|
| HULL NO. | 2180-1   | 2180-2   | 2180-6  |
| NAME:    | CBC 7033 | CBC 7034 | CBC 339 |
| OFF. #   | 1221249  | 1221250  | 1221254 |

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

SPECIAL FEATURES

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

| REV | ITEM | DESCRIPTION                                      | DATE     | BY  |
|-----|------|--------------------------------------------------|----------|-----|
| AB  | 1    | AS-BUILT                                         | 12/07/09 | MD  |
| 4   | 1    | ADDED PUMPELL DRAIN VALVE                        | 10/07/09 | SDB |
| 3   | 1    | ADDED CAPACITIES, SPECIAL FEATURES & BARGE INFO. | 9/29/09  | SDB |
| 2   | 1    | UPDATED PER CUSTOMER CHANGES                     | 9/08/09  | KJA |
| 1   | 1    | REVISED PER PRE-CONSTRUCTION MEETING             | 7/15/09  | CVA |

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TRINITY MARINE PRODUCTS, INC.

1800 Trinity Road - Midland City, TN, 37015

CANAL BARGE COMPANY, INC.

297'-0" X 54'-0" X 12'-0" DOUBLE SKIN TANK BARGE

PIPING DIAGRAM

|           |             |               |                     |              |            |
|-----------|-------------|---------------|---------------------|--------------|------------|
| HULL NO.  | 2180-1      | CBC 7033      | SCALE: 1/8" = 1'-0" | DATE: 6/9/09 | DWG NO.    |
| DRAWN BY: | SDB         | CKD BY: CVA   | APPR BY:            |              | P-01       |
| YARD:     | MADSONVILLE | TAG NO. 38174 |                     |              | SHT 1 OF 1 |
| HULL NO.  | 2180-1,2,6  | SHOP ORDER:   |                     |              | REV. 4AB   |

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

| CAPACITIES--SHORT TONS AT VARIOUS DRAFTS* |                 |             |          |          |
|-------------------------------------------|-----------------|-------------|----------|----------|
| DRAFT<br>(FT)                             | TOTAL<br>(S.T.) | TANK NUMBER |          |          |
|                                           |                 | 1<br>P/S    | 2<br>P/S | 3<br>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    |