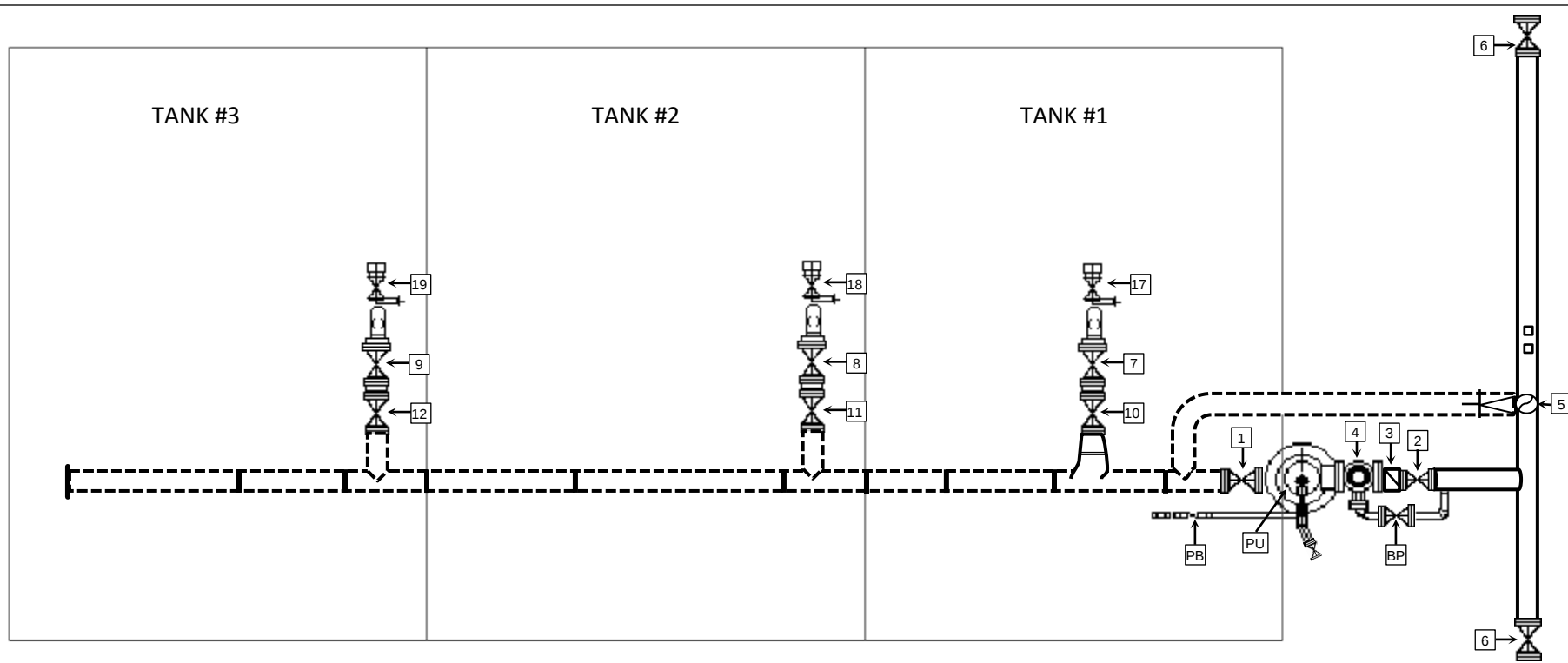




#### CARGO SYSTEM VALVES

- 1 PUMP SUCTION VALVE
- 2 PUMP DISCHARGE VALVE
- 3 PUMP DISCHARGE CHECK VALVE
- 4 PRESSURE RELIEF VALVE
- 5 CARGO FILL VALVE
- 6 PORT & STBD HEADER VALVES
- 7 TK 1 FILL / SUCTION VALVE
- 8 TK 2 FILL / SUCTION VALVE
- 9 TK 3 FILL / SUCTION VALVE
- 10 TK 1 FILL / SUCTION VALVE
- 11 TK 2 FILL / SUCTION VALVE
- 12 TK 3 FILL / SUCTION VALVE
- 17 #1 STRIPPING VALVE
- 18 #2 STRIPPING VALVE
- 19 #3 STRIPPING VALVE
- PU PUMP
- BP BYPASS VALVE
- PB PUMP BLEED VALVE

#### CARGO LOADING:

- A OPEN VALVES NO.: 5, 6, 7, 8, 9, 10, 11 & 12
- B CLOSE VALVES NO.: 1, 2
- C VENT TANKS
- BP CLOSED

#### CARGO DISCHARGE:

- A OPEN VALVES NO.: 1, 2, 6, 7, 8, 9, 10, 11 & 12
- B CLOSE VALVES NO.: 5
- C VENT TANKS
- BP CLOSED

#### BARGE INFORMATION

| HULL     | 04-2178       | 04-2179       | 04-2180       | 04-2181       | 04-2182       | 04-2183       | 04-2184       | 04-2185       |
|----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| NAME:    | <b>CBC 66</b> | <b>CBC 67</b> | <b>CBC 68</b> | <b>CBC 69</b> | <b>CBC 70</b> | <b>CBC 71</b> | <b>CBC 72</b> | <b>CBC 73</b> |
| OFF.#    | 1157191       | 1157192       | 1157193       | 1157194       | 1157195       | 1157196       | 1157197       | 1157198       |
| YR BUILT | 2004          | 2004          | 2004          | 2004          | 2004          | 2004          | 2004          | 2004          |

| CAPACITIES-SHORT TONS AT VARIOUS DRAFTS |                           |          |          |          |
|-----------------------------------------|---------------------------|----------|----------|----------|
| TANK NUMBER                             |                           |          |          |          |
| DRAFT (FT)                              | TOTAL (S.T.)              | 1 (S.T.) | 2 (S.T.) | 3 (S.T.) |
| 6.0                                     | 793                       | 264      | 264      | 265      |
| 6.25                                    | 846                       | 282      | 282      | 282      |
| 6.5                                     | 899                       | 299      | 300      | 300      |
| 6.75                                    | 952                       | 317      | 317      | 318      |
| 7.0                                     | 1005                      | 335      | 335      | 335      |
| 7.25                                    | 1058                      | 352      | 353      | 353      |
| 7.5                                     | 1111                      | 370      | 370      | 371      |
| 7.75                                    | 1165                      | 388      | 388      | 389      |
| 8.0                                     | 1218                      | 406      | 406      | 406      |
| 8.25                                    | 1272                      | 424      | 424      | 424      |
| 8.5                                     | 1325                      | 441      | 442      | 442      |
| 8.75                                    | 1379                      | 459      | 460      | 460      |
| 9.0                                     | 1432                      | 477      | 477      | 478      |
| 9.25                                    | 1486                      | 495      | 495      | 496      |
| 9.50                                    | 1540                      | 513      | 513      | 514      |
| LIGHT WGT<br>SHORT TON<br>407           | MAX CAPACITY – BBL (100%) |          |          |          |
|                                         | 11066                     | 3908     | 3579     | 3579     |

#### SPECIAL FEATURES:

- CARGO PUMP: 2100 GPM – 237 TDH  
1800 RPM 10" SUCTION 8" DISCHARGE
- CARGO PUMP ENGINE: CUMMINS 6CTA
- COMMON VENT HEADER W/ RETURN LINE
- CHANNEL STEAM COILS BELOW TANK

BUILDER: JEFFBOAT

**CANAL BARGE COMPANY, INC.**



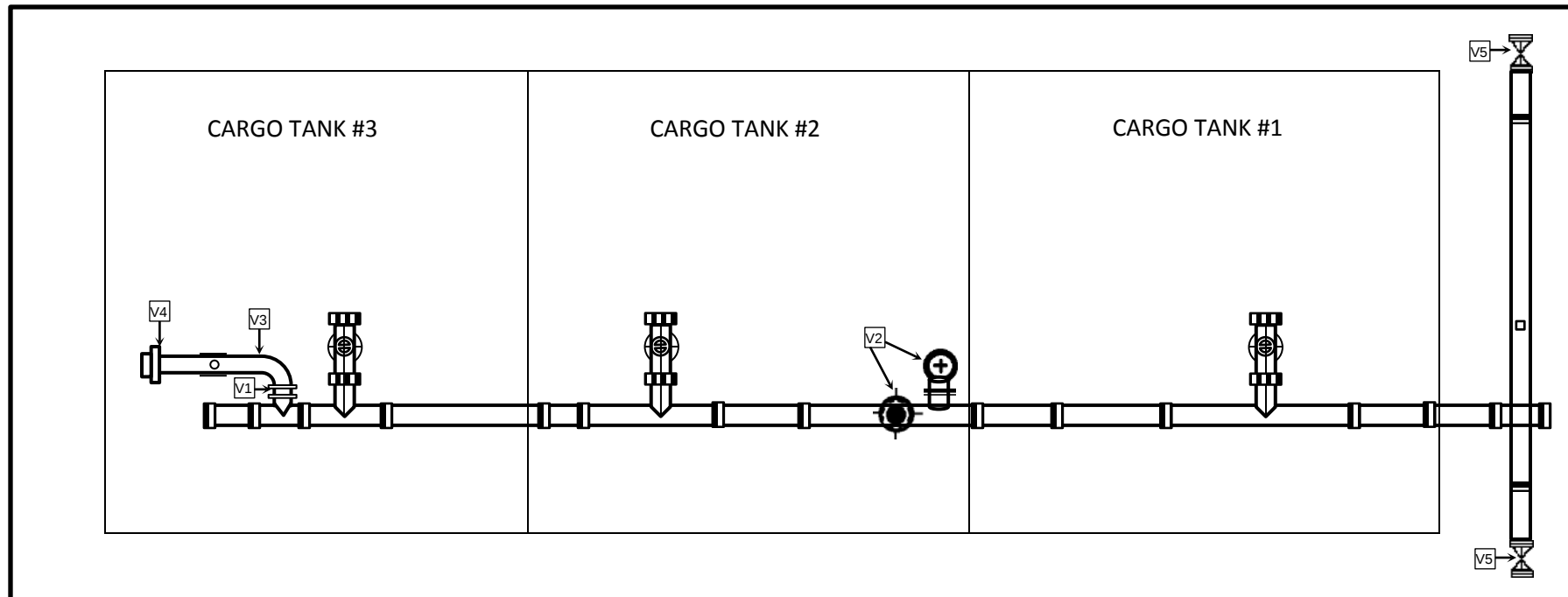
200'-0" X 35'-0" X 12'-6" DOUBLE SKIN TANK BARGE

CARGO PIPING DIAGRAM

|        |              |  |
|--------|--------------|--|
| SCALE: | DATE: 9/5/12 |  |
|        |              |  |
|        |              |  |

STERN

BOW



#### VAPOR SYSTEM

- V1 VAPOR STACK VALVE  
 V2 PRESS/VACCUM VALVE  
 V3 VENT STACK  
 V4 RAIN CAP  
 V5 VAPOR HEADER VALVE

#### BARGE INFORMATION

|          |               |               |               |               |               |               |
|----------|---------------|---------------|---------------|---------------|---------------|---------------|
| HULL     | 04-2174       | 04-2175       | 04-2176       | 04-2177       | 04-2178       | 04-2179       |
| NAME:    | <b>CBC 62</b> | <b>CBC 63</b> | <b>CBC 64</b> | <b>CBC 65</b> | <b>CBC 66</b> | <b>CBC 67</b> |
| OFF.#    | 1157187       | 1157188       | 1157189       | 1157190       | 1157191       | 1157192       |
| YR BUILT | 2004          | 2004          | 2004          | 2004          | 2004          | 2004          |
| HULL     | 04-2180       | 04-2181       | 04-2182       | 04-2183       | 04-2184       | 04-2185       |
| NAME:    | <b>CBC 68</b> | <b>CBC 69</b> | <b>CBC 70</b> | <b>CBC 71</b> | <b>CBC 72</b> | <b>CBC 73</b> |
| OFF.#    | 1157193       | 1157194       | 1157195       | 1157196       | 1157197       | 1157198       |
| YR BUILT | 2004          | 2004          | 2004          | 2004          | 2004          | 2004          |

CBC 62-73 vapor piping(FINAL).docx

BUILDER: JEFFBOAT

**CANAL BARGE COMPANY, INC.**



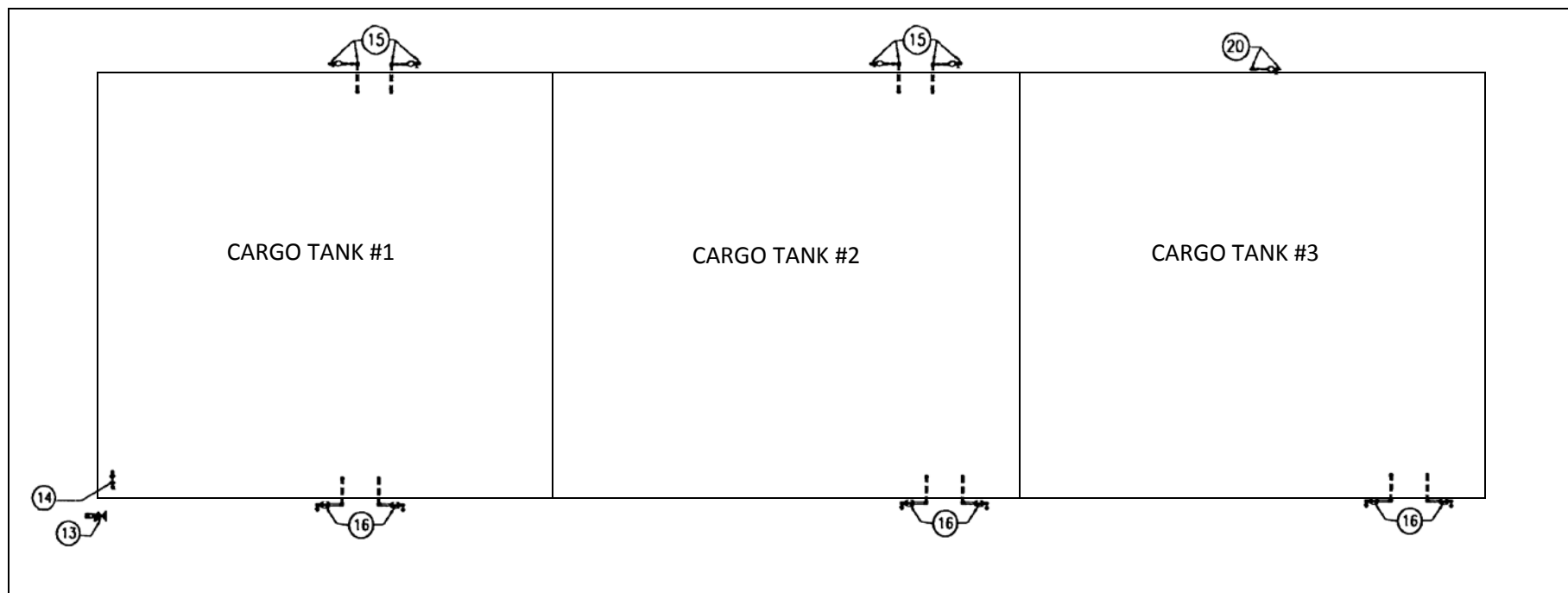
200'-0" X 35'-0" X 12'-6" DOUBLE SKIN TANK BARGE

#### VAPOR PIPING DIAGRAM

|        |              |  |
|--------|--------------|--|
| SCALE: | DATE: 9/5/12 |  |
|        |              |  |
|        |              |  |

BOW

STERN

STEAM SYSTEM VALVES

- 13 STEAM SUPPLY SHORE CONNECTION
- 14 STEAM SUPPLY TO PUMPWELL
- 15 STEAM CONDENSATE RETURN VALVE
- 16 STEAM SUPPLY VALVE
- 20 STEAM CONDENSATE RETURN FROM PUMPWELL

BARGE INFORMATION

|          |               |               |               |               |               |               |
|----------|---------------|---------------|---------------|---------------|---------------|---------------|
| HULL     | 04-2174       | 04-2175       | 04-2176       | 04-2177       | 04-2178       | 04-2179       |
| NAME:    | <b>CBC 62</b> | <b>CBC 63</b> | <b>CBC 64</b> | <b>CBC 65</b> | <b>CBC 66</b> | <b>CBC 67</b> |
| OFF.#    | 1157187       | 1157188       | 1157189       | 1157190       | 1157191       | 1157192       |
| YR BUILT | 2004          | 2004          | 2004          | 2004          | 2004          | 2004          |
| HULL     | 04-2180       | 04-2181       | 04-2182       | 04-2183       | 04-2184       | 04-2185       |
| NAME:    | <b>CBC 68</b> | <b>CBC 69</b> | <b>CBC 70</b> | <b>CBC 71</b> | <b>CBC 72</b> | <b>CBC 73</b> |
| OFF.#    | 1157193       | 1157194       | 1157195       | 1157196       | 1157197       | 1157198       |
| YR BUILT | 2004          | 2004          | 2004          | 2004          | 2004          | 2004          |

BUILDER: JEFFBOAT

**CANAL BARGE COMPANY, INC.**200'-0" X 35'-0" X 12'-6" DOUBLE SKIN TANK BARGESTEAM PIPING DIAGRAM

|        |              |  |
|--------|--------------|--|
| SCALE: | DATE: 9/5/12 |  |
|        |              |  |
|        |              |  |