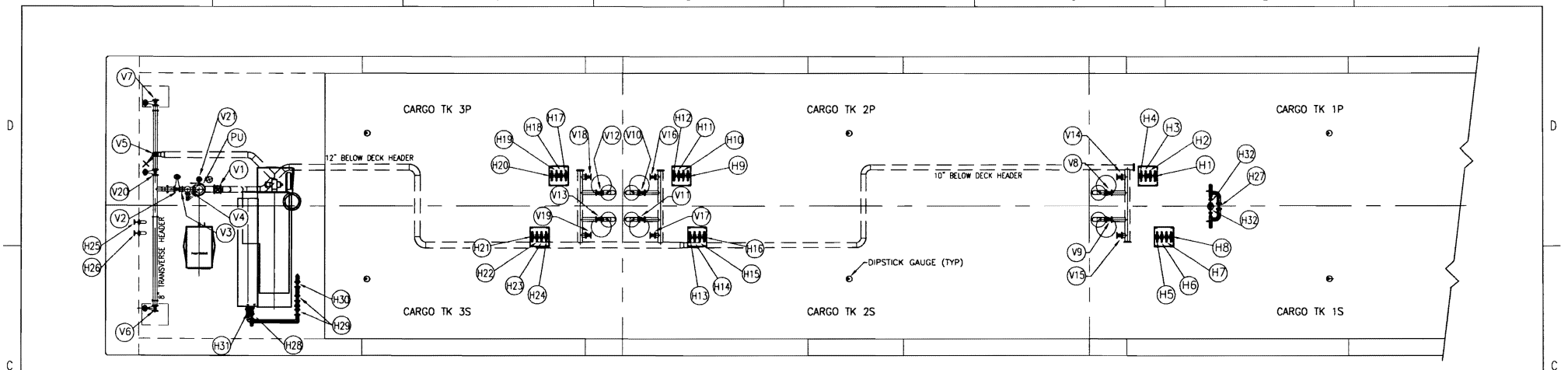


8 7 6 5 4 3 2 1



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

**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

**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

**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
<b>TOTAL</b>	<b>1,101,586</b>	<b>26,228</b>	<b>147,261</b>
		<b>98% FULL</b>	<b>25,704</b>

**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
<b>MAX CAPACITY - BBL (100%)</b>				
	26,228	9037	8818	8373
<b>MAX CAPACITY - CU. FT. (100%)</b>				
	147,261	50741	49509	47012

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

**SPECIAL FEATURES**

1. CARGO PUMP: BYRON JACKSON MODEL 12LS16HC AMARILLO GEAR 1:1 RATIO 2800 GPM, 237' TDH @ 207 H.P.
2. CARGO PUMP ENGINE: CUMMINS 6 CTA 8.3 ENGINE

**BARGE INFORMATION**

HULL NO.	4693	4694	4695
NAME:	CBC 340	CBC 341	CBC 342
OFF. #	1222665	1222666	1222667
YEAR BUILT:	2009		
HULL TYPE:	III		
CARGO GRADE:	B & LOWER		
SUBCHAPTER	"D" PRODUCTS		

2	ADDED PUMPWELL DRAIN VALVE.	10/7/09	SDB	
1	ADDED CAPACITIES, SPECIAL FEATURES & BARGE INFO.	9/29/09	SDB	
REV	ITEM	DESCRIPTION	DATE	BY

**REVISIONS**

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**TRINITY MARINE PRODUCTS, INC.**  
 106 N. Main Street - Ashland, TN 37015

**CANAL BARGE COMPANY, INC.**  
 297'-0" x 54'-0" x 12'-0" DOUBLE SKIN TANK BARGE

**PIPING DIAGRAM**

SCALE: 1/8" = 1'-0"	DATE: 9/23/09	DWG. NO. P-01
DRAWN BY: SDB	CHKD BY: JF	APPR BY:
YARD: ASHLAND CITY, TN	TAG NO. 96160	SHT 1 OF 1
HULL NO. 4693,94,95	SHOP ORDER	REV. 2

8 7 6 5 4 3 2 1