

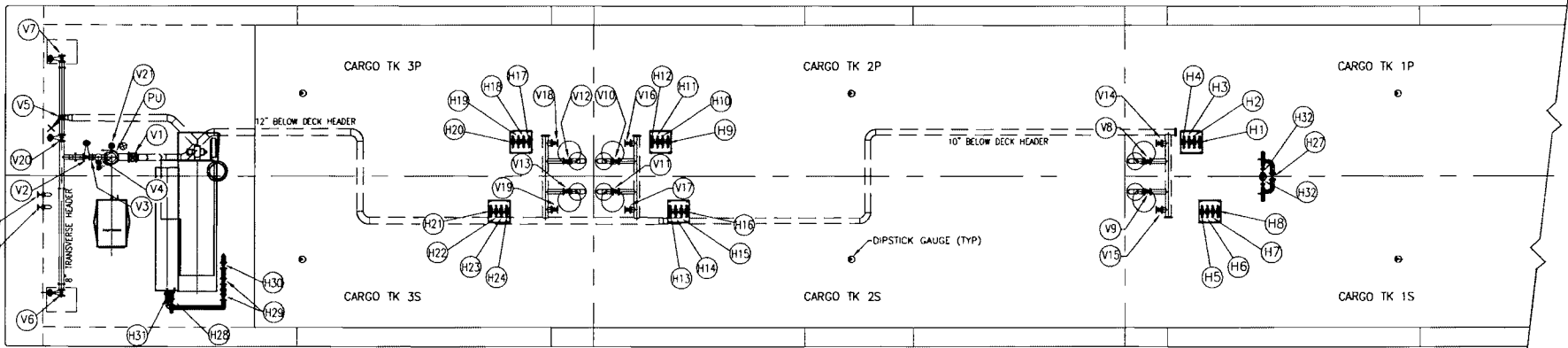
8 7 6 5 4 3 2 1

D

C

B

A



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
TOTAL	1,101,586	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	405.36	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	1010.18	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
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 12LS16HC
AMARILLO GEAR 1:1 RATIO
2800 GPM, 237' TDH
Ø 207 H.P.
- 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.	9/29/08	SDB	
REV	ITEM	DESCRIPTION	DATE	BY
REVISIONS				
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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.
DRAWN BY:	SDB	CHKD BY:	APPR BY:	P-01
YARD:	ASHLAND CITY, TN	TAG NO.	96160	SHT 1 OF 1
HULL NO.	4693, 4694, 4695	SHOP ORDER		REV. 2