

PLAN

CARGO LOADING:

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

CARGO DISCHARGE:

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

TANK VOL. 100% FULL

TANK	GAL.	BBL.	CU. FT.
1	151506	3607.28	20253.41
2	190912	4545.52	25521.22
3	170306	4054.90	22766.60
TOTAL	512724	12207.70	68541.23
		98% FULL	
		11963.55	

MAX CAPACITY - BBL (100%)			
TOTAL	CT1	CT2	CT3
12207.70	3607.28	4545.52	4054.90

MAX CAPACITY - CU. FT. (100%)			
TOTAL	CT1	CT2	CT3
68541.23	20253.41	25521.22	22766.60

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
- 13 #1 STRIPPING VALVE
- 14 #2 STRIPPING VALVE
- 15 #3 STRIPPING VALVE
- PU PUMP
- 16 DEEPWELL CAN STRIPPING VALVE

CAPACITIES—SHORT TONS AT VARIOUS DRAFTS				
DRAFT (FT)	TOTAL (S.T.)	TANK NUMBER		
		1 (S.T.)	2 (S.T.)	3 (S.T.)
6.00	924.60	282.00	328.90	313.70
6.25	979.20	299.00	348.70	331.50
6.50	1033.90	316.00	368.40	349.50
6.75	1088.50	333.00	388.20	367.30
7.00	1143.10	350.00	408.00	385.10
7.25	1197.70	367.10	427.80	402.80
7.50	1252.50	384.10	447.70	420.70
7.75	1307.00	401.10	467.40	438.50
8.00	1361.60	418.10	487.20	456.30
8.25	1416.20	435.10	507.00	474.10
8.50	1470.80	452.20	526.80	491.80
8.75	1525.50	469.20	546.60	509.70
9.00	1580.10	486.20	566.40	527.50
9.25	1634.70	503.20	586.10	545.40
9.4167	1671.00	514.50	599.30	557.20
9.50	1689.17	520.20	605.90	563.07
9.75	1744.00	537.30	625.70	581.00
10.00	1798.60	554.30	645.50	598.80
10.25	1853.20	571.30	665.30	616.60
10.50	1907.80	588.30	685.10	634.40

SPECIAL FEATURES

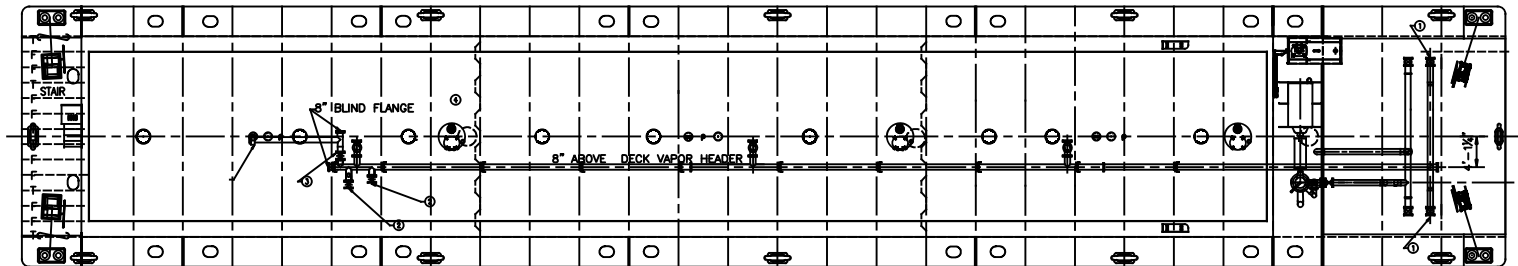
- 1. CARGO PUMP: BYRON JACKSON MODEL 11LS14GH-3 AMARILLO GEAR S300 2100 GPM, 253' TDH @ 192 H.P.
- 2. CARGO PUMP ENGINE: IVECO/FPT DIESEL MODEL PU-1173

BARGE INFORMATION

YEAR BUILT: 2018
 HULL TYPE: I
 CARGO GRADE: A & LOWER PRODUCTS PER SUBCHAPTER "D" AND LIMITED SUBCHAPTER "O" PRODUCTS. WHEN IN TOW WITH A RAKE BARGE

CANAL BARGE COMPANY	
NAME	HULL #
CBC 1400	9780
CBC 1401	9781
CBC 1402	9782
CBC 1403	9783
CBC 1404	9784
CBC 1405	9785
CBC 1406	9786
CBC 1407	9787
CBC 1408	9788
CBC 1409	9789
CBC 1410	9813
CBC 1411	9814
CBC 1412	9815
CBC 1413	9816
CBC 1414	9817

REV	ITEM	DESCRIPTION	DATE	BY
REVISIONS				
MARINE SOLUTIONS, INC.				
<small>Indicates those drawings and specifications on a construction basis with an approval marking that they will not be subject to any changes, until the construction, work, installation, or work is to the detriment of and the critical safety personnel. The original author agrees not to disturb these markings based on the other project except for those specifically approved for update that drawing was issued.</small>				
MARINE SOLUTIONS, INC.				
<small>MEMPHIS P.A. BOX 278771 MEMPHIS 37227</small>				
<small>CELL: 915-384-8108 TEL: 915-882-8808 E-MAIL: MARINESOL@GMAIL.COM</small>				
<small>MEMPHIS P.A. BOX 10879 MEMPHIS, TN 37208</small>				
CANAL BARGE COMPANY, INC.				
200'-0" X 35'-0" X 12'-6" DOUBLE SKIN TANK BARGE				
CARGO PIPING DIAGRAM (SOUTHWEST SHIPYARD)				
SCALE: 3/16" = 1'-0"	DATE: 05/31/17	DWG NO.		
DRAWN BY: MB	CHKD BY:	APPR BY:	1812010Plan-1	
HULL NO. -	CONTRACT NO. 0	REV. 0	PAGE 1 OF 1	



PLAN

CANAL BARGE COMPANY	
NAME	HULL #
CBC 1400	9790
CBC 1401	9791
CBC 1402	9792
CBC 1403	9793
CBC 1404	9794
CBC 1405	9795
CBC 1406	9796
CBC 1407	9797
CBC 1408	9798
CBC 1409	9799
CBC 1410	9813
CBC 1411	9814
CBC 1412	9815
CBC 1413	9816
CBC 1414	9817

VAPOR SYSTEM VALVES:

- 1- 8" HEADER VALVES
- 2- 6" BERGAN PV VALVE SET @
- 1.5# PSI/ 0.5# VACUUM
- 3- 8" ISOLATION VALVE
- 4- VENT STACK

2	1	EXTENDED HULL APPLICABILITY	3/14/10	SJ
1	1	REVISED VENT STACK	3/28	CK
REV	ITEM	DESCRIPTION	DATE	BY
REVISIONS				
<p>MARINE SOLUTIONS, INC.</p> <p><small>Obtain three copies and quantities as a certified book with an approved stamp that they will be kept in my records, used for identification, and treatment, not used for the delivery of and the initial values complete. The recipient further agrees not to alter these values based on any other parties' input but those specifically prepared for which the drawing was made.</small></p>				
<p>MARINE SOLUTIONS, INC.</p> <p>7885 BOONE TRACE MEMPHIS, TN 37204 TEL: 901-384-8999 FAX: 901-492-9009 E-MAIL: MARINE@MANSOL.COM</p>				
<p>CANAL BARGE COMPANY</p> <p>200'-0"x35'-0"x12'-6" DOUBLE-SKIN TANK BARGE VAPOR PIPING (SOUTHWEST SHIPYARD, L.P.)</p>				
SCALE: 1/8"=1'-0"		DATE: 02/28/11	DWG NO.	
DRAWN BY: ck	CHKD BY:	APPR. BY:	081002PP-1	
HULL NO. 0		CONTRACT NO. 0	SHEET 1 OF 2	
		REV. 2	PLAN 111	