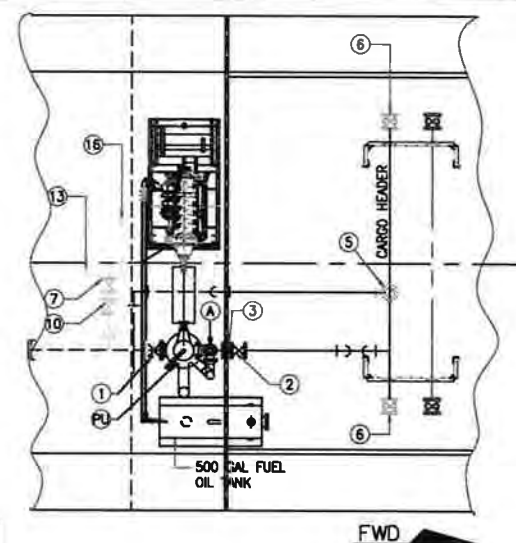
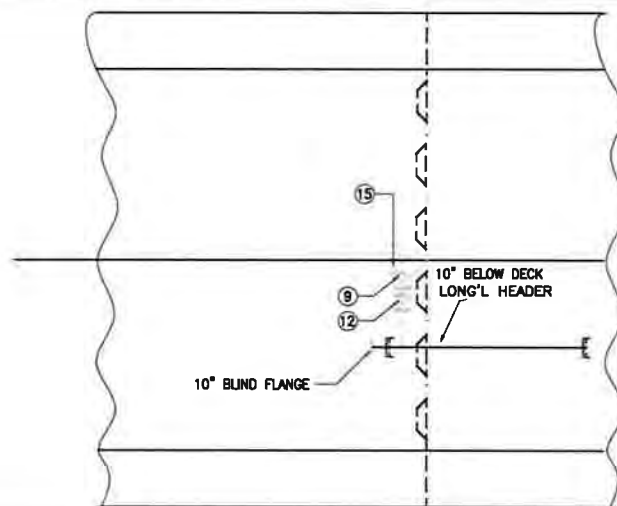




CARGO LOADING:

- 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

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

PLAN

TANK VOL. 100% FULL

TANK	GAL.	BBL.	CU. FT.
1	147364	3508.69	19699.75
2	170247	4053.50	22758.77
3	151805	3641.40	20293.43
TOTAL	469416	11176.57	62751.95
		98% FULL	
		10952.06	

MAX CAPACITY - BBL. (100%)

11176.57	3508.69	4053.50	3641.40
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TOTAL CT1 CT2 CT3

MAX CAPACITY - CU. FT. (100%)

62751.95	19699.75	22758.77	20293.43
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TOTAL CT1 CT2 CT3

CAPACITIES—SHORT TONS AT VARIOUS DRAFTS TANK NUMBER

DRAFT (FT)	TOTAL (S.T.)	1 (S.T.)	2 (S.T.)	3 (S.T.)
6.00	793.60	252.70	284.00	256.50
6.25	846.50	271.30	305.10	270.20
6.50	899.50	289.90	325.80	283.80
6.75	952.60	308.60	346.70	297.30
7.00	1005.70	327.40	367.60	310.80
7.25	1058.90	346.30	388.50	324.20
7.50	1112.30	365.20	409.60	337.50
7.75	1165.70	384.20	430.80	350.70
8.00	1219.10	403.30	452.00	363.90
8.25	1272.70	422.40	473.30	377.00
8.50	1326.30	441.70	494.60	390.00
8.75	1380.00	461.00	516.80	403.00
9.00	1433.80	480.30	537.60	415.90
9.25	1487.60	499.70	559.10	428.70
9.4167	1523.40	512.70	573.50	437.20
9.50	1541.50	519.20	580.80	441.50
9.75	1595.50	538.80	602.50	454.20
10.00	1649.50	558.40	624.30	466.90
10.25	1703.60	578.10	646.10	479.50
10.50	1757.80	597.80	668.00	492.00

SPECIAL FEATURES

1. CARGO PUMP: BYRON JACKSON
MODEL 11LS14GH-3
AMARILLO GEAR S300
2100 GPM, 253' TDH
● 192 H.P.
2. CARGO PUMP ENGINE: MITSUBISHI
DIESEL MODEL S6A3-BPU

BARGE INFORMATION

YEAR BUILT: 2015

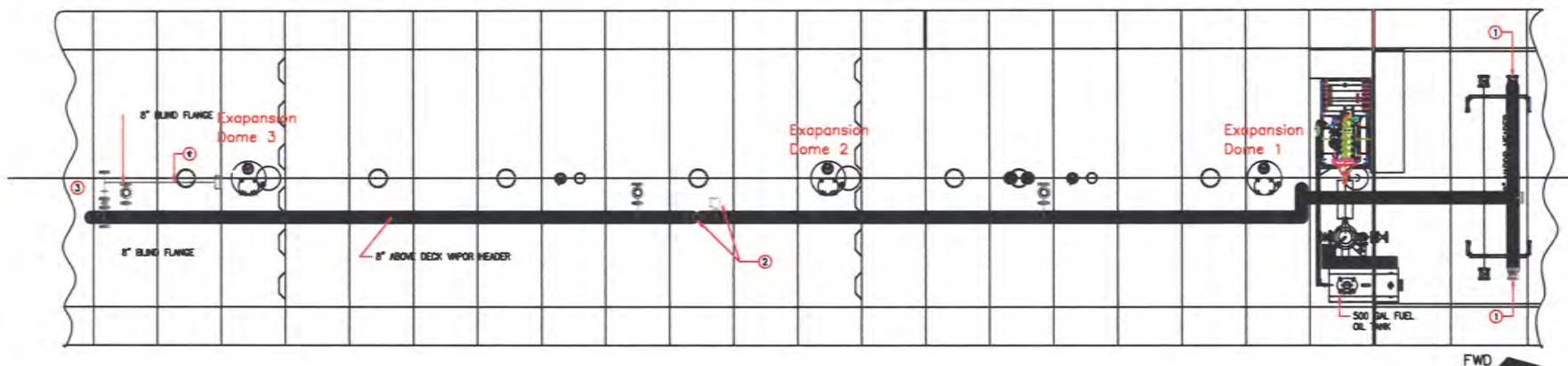
HULL TYPE: I

CARGO GRADE: A & LOWER PRODUCTS PER
SUBCHAPTER "D" AND LIMITED SUBCHAPTER "O"
PRODUCTS.

CANAL BARGE COMPANY

NAME	HULL #
CBC 1380	9739
CBC 1381	9740
CBC 1382	9741
CBC 1383	9742
CBC 1384	9743
CBC 1385	9744
CBC 1386	9745
CBC 1387	9746
CBC 1388	9754
CBC 1388	9755

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WARREN SOLUTIONS, INC. 10000 N. 10th St. Suite 100 Dallas, TX 75243 TEL: 214-344-1000 FAX: 214-344-1001 E-MAIL: WARREN@WARRENSOL.COM WWW.WARRENSOL.COM	
CANAL BARGE COMPANY, INC.	
CARGO PIPING DIAGRAM	
DATE: 3/18/15	BY: J. J. J.
DESIGN: J. J. J.	SCALE: 1" = 1'-0"
REVISION: 1	OF 1



PLAN

VAPOR SYSTEM VALUES:

- 1- 8"-HEADER VALVE
- 2- 6"-BERGAN PV VALVE- SET @ 1.0# PSI / .5# VACUUM
- 3- 8" ISOLATION VALVE
- 4- VENT STACK

SPECIAL FEATURES

1. PRESSURE VACUUM VALVE BERGAN
MODEL 6" KLPH
SET AT 1.0 PRESSURE
SET AT 0.5 PSI VACUUM

BARGE INFORMATION

YEAR BUILT: 2015
HULL TYPE: I
CARGO GRADE: A & LOWER PRODUCTS PER
SUBCHAPTER "D" AND LIMITED SUBCHAPTER "O"
PRODUCTS.

CANAL BARGE COMPANY	
NAME	HULL #
CBC 1380	9739
CBC 1381	9740
CBC 1382	9741
CBC 1383	9742
CBC 1384	9743
CBC 1385	9744
CBC 1386	9745
CBC 1387	9746

REV	DATE	DESCRIPTION	BY
REVISIONS			
MARINE SOLUTIONS, INC.			
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MARINE SOLUTIONS, INC. CELL: 615-384-0588 TEL: 615-384-0500 E-MAIL: MARINESOLUTIONS@GMAIL.COM FAX: 615-384-0500			
CANAL BARGE COMPANY, INC.			
200'-0" X 35'-0" X 12'-6" DOUBLE 500-TON TANK BARGE			
VAPOR PIPING DIAGRAM			
SCALE: 3/16" = 1'-0"	DATE: 05/04/15	DESIGNER: JCH	DATE: 05/04/15
DRAWN BY: JCH	CHECKED BY: JCH	APPROVED BY: JCH	DATE: 05/04/15
REV: 1	DATE: 05/04/15	BY: JCH	DATE: 05/04/15