

**PLAN**

**CARGO LOADING:**

- A OPEN VALVES NO.: 5,6,7,8,9,10,11,12,13 & 14
- B CLOSE VALVES NO.: 1,2
- C VENT TANKS IF VAPOR SYSTEM NOT USED

**CARGO DISCHARGE:**

- A OPEN VALVES NO.: 1,2,6,7,8,9,10,11,12,13 & 14
- B CLOSE VALVES NO.: 5
- C VENT TANKS IF VAPOR SYSTEM NOT USED

**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 STBD TK 1 FILL / SUCTION VALVE
- 8 PORT TK 2 FILL / SUCTION VALVE
- 9 STBD TK 2 FILL / SUCTION VALVE
- 10 TK 3 FILL / SUCTION VALVE
- 11 TK 1 FILL / SUCTION VALVE
- 12 PORT TK 2 FILL / SUCTION VALVE
- 13 STBD TK 2 FILL / SUCTION VALVE
- 14 TK 3 FILL / SUCTION VALVE
- 15 #1 STRIPPING VALVE
- 16 PORT #2 STRIPPING VALVE
- 17 STBD #2 STRIPPING VALVE
- 18 #3 STRIPPING VALVE
- PU PUMP

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

**TANK VOL. 100% FULL**

TANK	GAL.	BBL.	CU. FT.
1	224561.91	5346.71	30019.64
2P	132557.00	3156.12	17720.34
2S	132557.00	3156.12	17720.34
3	237144.41	5660.45	31781.15
TOTAL	726820.32	17319.4	97241.47
		98% FULL	
		16973.012	

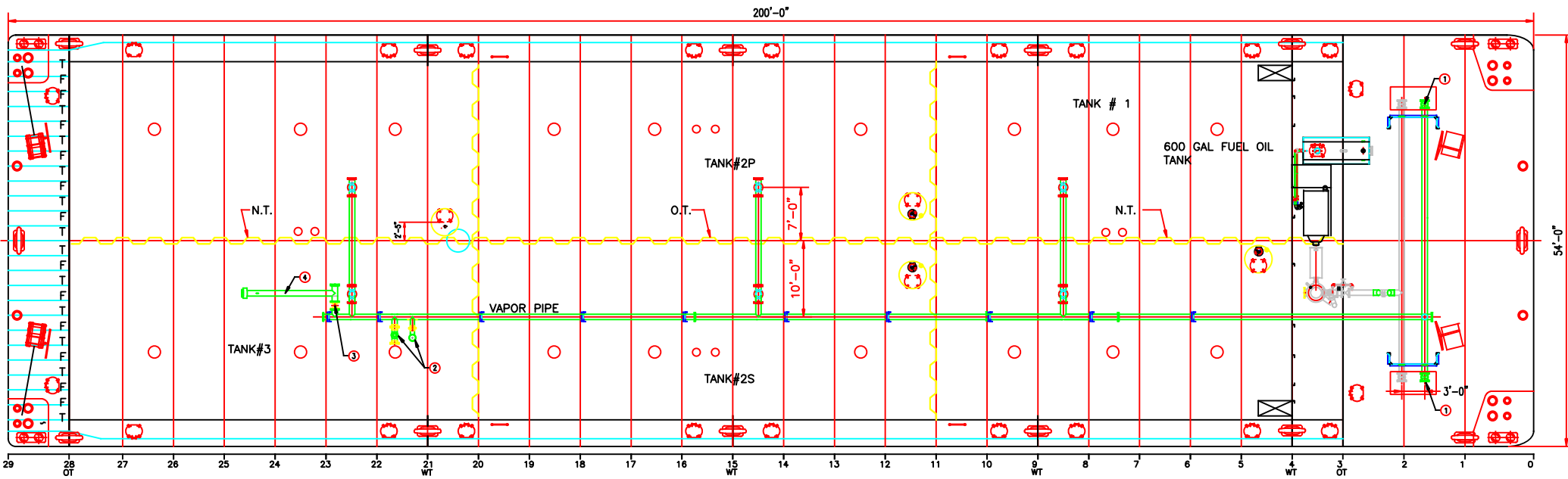
**CAPACITIES—SHORT TONS AT VARIOUS DRAFTS**

DRAFT (FT)	TANK NUMBER				
	TOTAL (S.T.)	1 (S.T.)	2P (S.T.)	2S (S.T.)	3 (S.T.)
6.00	1328.40	425.80	239.45	239.45	423.70
6.25	1409.80	454.20	255.25	255.25	445.10
6.50	1491.20	482.60	271.10	271.10	466.40
6.75	1572.70	511.20	287.00	287.00	487.50
7.00	1654.50	539.90	303.00	303.00	508.60
7.25	1736.30	568.80	319.05	319.05	529.40
7.50	1818.20	597.70	335.15	335.15	550.20
7.75	1900.40	626.80	351.35	351.35	570.90
8.00	1982.70	656.10	367.60	367.60	591.40
8.25	2065.10	685.40	383.95	383.95	611.80
8.50	2147.70	714.90	400.35	400.35	632.10
8.75	2230.30	744.50	416.80	416.80	652.20
9.00	2313.20	774.30	433.35	433.35	672.20
9.25	2396.20	804.20	449.95	449.95	692.10
9.50	2479.30	834.20	466.60	466.60	711.90
9.75	2562.50	864.30	483.35	483.35	731.50
10.00	2646.00	894.60	500.15	500.15	751.10
10.25	2729.40	925.00	517.00	517.00	770.40
10.50	2813.10	955.60	533.95	533.95	789.60
10.75	2896.90	986.20	550.95	550.95	808.80
11.00	2980.90	1017.00	568.05	568.05	827.80
11.25	3064.90	1047.90	585.20	585.20	846.60
11.50	3149.10	1079.00	602.40	602.40	865.30

**FWD**

CANAL BARGE COMPANY		
NAME	HULL #	SHIPYARD
CBC 1700	9803	SOUTHWEST
CBC 1701	9804	SOUTHWEST
CBC 1702	9805	SOUTHWEST
CBC 1703	9806	SOUTHWEST
CBC 1704	9807	SOUTHWEST
CBC 1705	9808	SOUTHWEST
CBC 1706	9809	SOUTHWEST
CBC 1707	9810	SOUTHWEST
CBC 1708	9811	SOUTHWEST
CBC 1709	9812	SOUTHWEST

REV	ITEM	DESCRIPTION	DATE	BY
REVISIONS				
MARINE SOLUTIONS, INC.				
Contains three drawings and specifications as a coordinated issue with its associated understanding that they will not be used for any purposes, but for construction, and that the contractor shall be responsible for all field and local safety problems. The recipient shall assume all liability for any use of these drawings beyond the original purpose except for those specifically reserved for which this drawing was made.				
<b>MARINE SOLUTIONS, INC.</b> CELL: 615-384-2958 TEL: 615-662-9608 FAX: 615-384-2958 2000 MARSHALL STREET MARSHALL 37253				
<b>CANAL BARGE COMPANY, INC.</b> 200'-0" X 54'-0" X 12'-0" DOUBLE SKIN TANK BARGE CARGO PIPING DIAGRAM (SOUTHWEST SHIPYARD)				
SCALE: 3/8" = 1'-0"		DATE: 02/19/19		ISS. NO.
DRAWN BY: HSB	CHECK BY:	APPR. BY:	011804PLM-1	
HULL NO. -	CONTRACT NO. 0		SHEET 1 OF 1	
			REV. 0	PLAN 1



PLAN  
SCALE: 1/8"=1'-0"

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CBC 1705	9808	SOUTHWEST
CBC 1706	9809	SOUTHWEST
CBC 1707	9810	SOUTHWEST
CBC 1708	9811	SOUTHWEST
CBC 1709	9812	SOUTHWEST

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