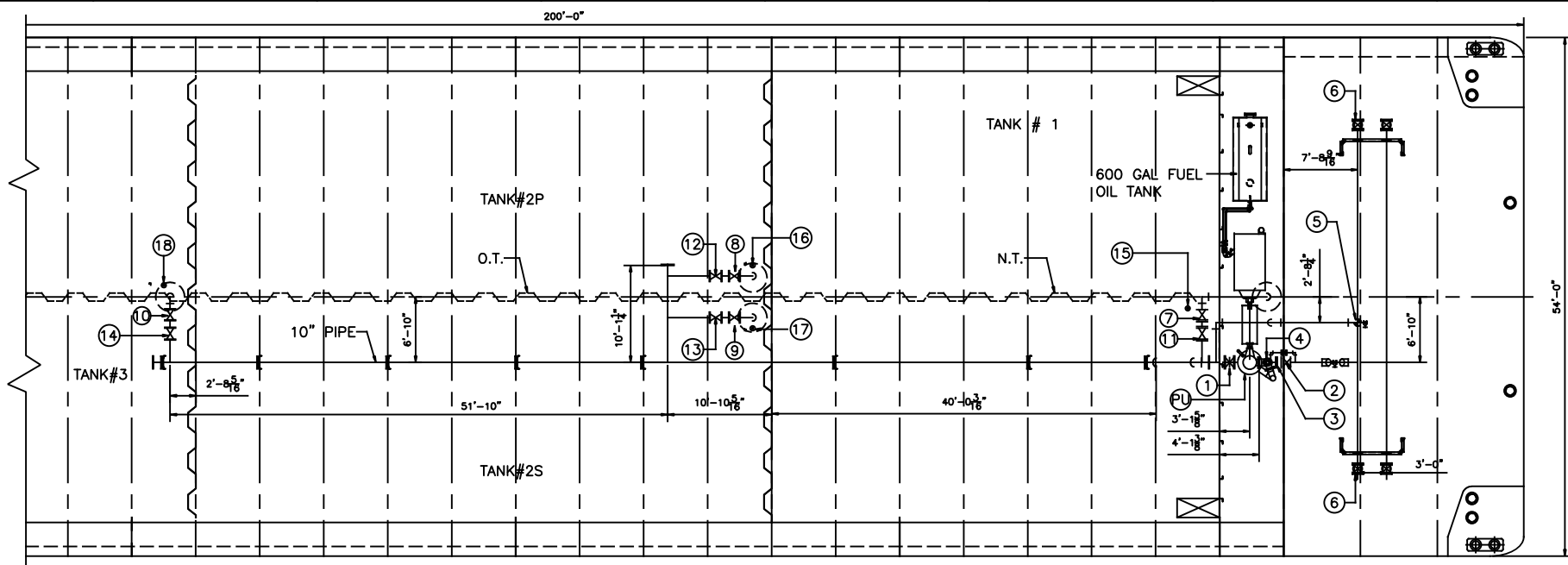




CARGO LOADING:

- 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

PLAN

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

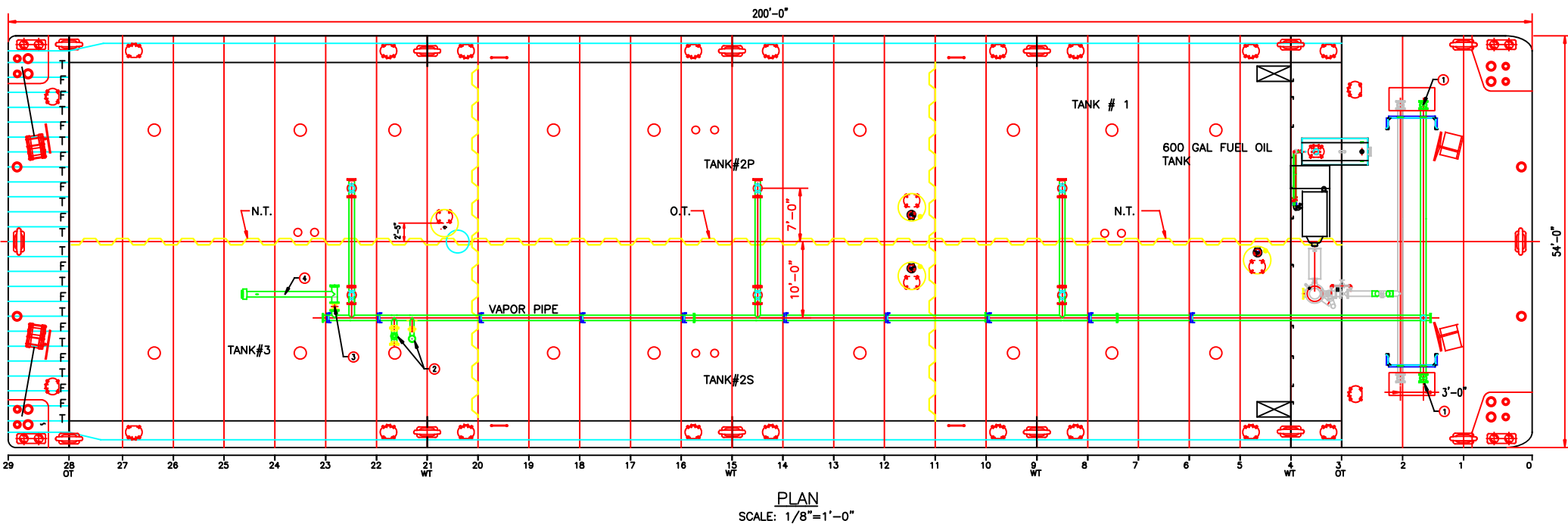
TANK	GAL.	BBL.	CU. FT.
1	224561.91	5346.71	30019.64
2P	132557.00	3156.12	17720.34
2S	132557.00	3156.12	17720.34
3	237144.41	5660.45	31781.15
TOTAL	726820.32	17319.4	97241.47
		98% FULL	16973.012

CAPACITIES—SHORT TONS AT VARIOUS DRAFTS					
DRAFT (FT)	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.				
Provides these drawings and specifications as a professional service with a responsibility that they will not be subject to any modification. The recipient of these drawings and specifications shall be responsible for any errors or omissions. No part of these drawings and specifications shall be used for any other purpose without the written consent of Marine Solutions, Inc.				
MARINE SOLUTIONS, INC. CELL: 615-384-2008 TEL: 615-662-9608 E-MAIL: MARINESOL@GMAIL.COM P.O. BOX 18079 MEMPHIS, TN 38118				
CANAL BARGE COMPANY, INC. 200'-0" X 54'-0" X 12'-0" DOUBLE SKIN TANK BARGE CARGO PIPING DIAGRAM (SOUTHWEST SHIPYARD)				
SCALE: 3/8" = 1'-0"		DATE: 02/18/19		DRW NO.
DRAWN BY: MSH		CHECKED BY:		011804PLM-1
HULL NO. -		CONTRACT NO. 0		REV. 0
PAGE 1				



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CBC 1704	9807	SOUTHWEST
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