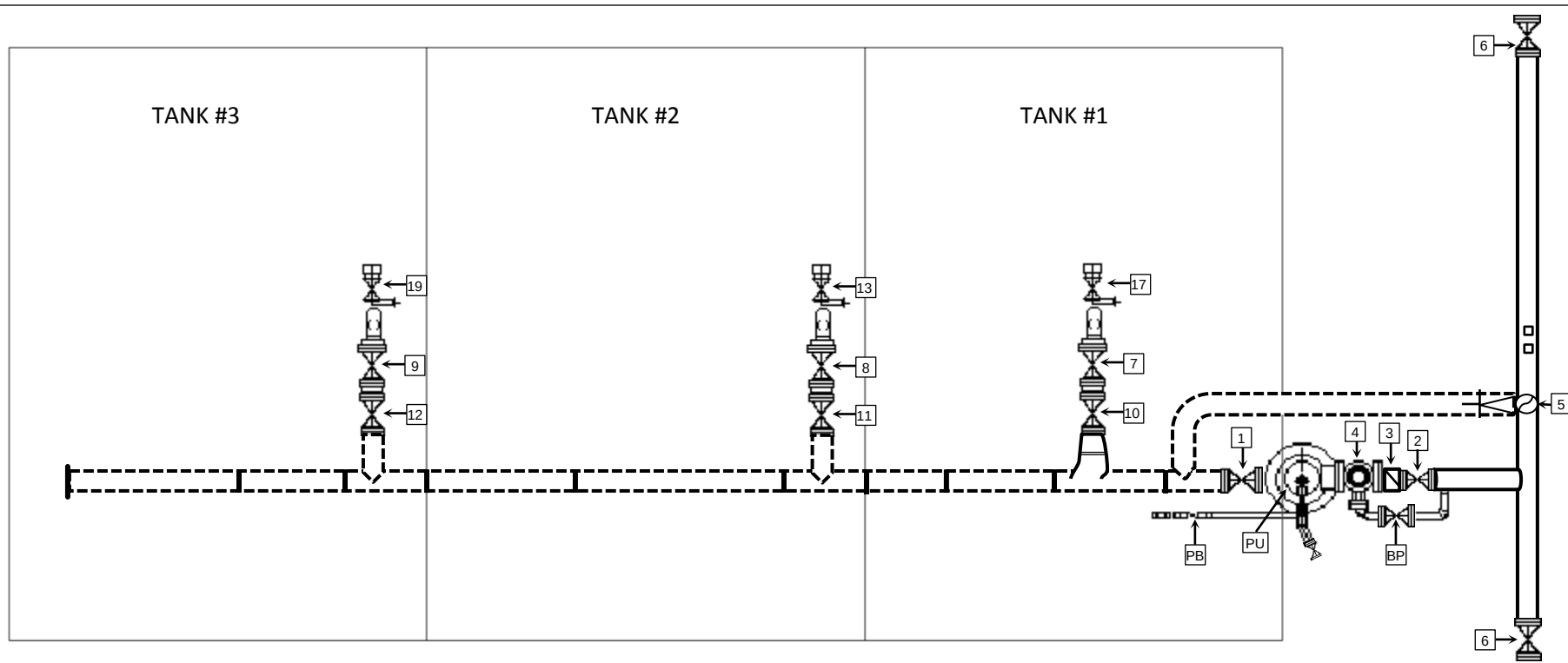




CARGO SYSTEM VALVES

- 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
- 17 #1 STRIPPING VALVE
- 18 #2 STRIPPING VALVE
- 19 #3 STRIPPING VALVE
- PU PUMP
- BP BYPASS VALVE
- PB PUMP BLEED VALVE

CARGO LOADING:

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

CARGO DISCHARGE:

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

BARGE INFORMATION

HULL	9549	9550	9551	9552	9553	9554	9555
NAME:	CBC 74	CBC 75	CBC 76	CBC 77	CBC 78	CBC 79	CBC 80
OFF.#	1197442	1197443	1201541	1201542	1201543	1201544	1201551
YR BUILT	2007	2007	2007	2007	2008	2008	2008

CAPACITIES-SHORT TONS AT VARIOUS DRAFTS				
TANK NUMBER				
DRAFT (FT)	TOTAL (S.T.)	1 (S.T.)	2 (S.T.)	3 (S.T.)
6.0	804.50	258.50	290.70	255.30
6.25	857.30	277.0	311.30	269.0
6.5	910.30	295.60	332.10	282.60
6.75	963.40	314.30	352.90	296.20
7.0	1016.60	333.10	373.80	309.20
7.25	1069.70	351.90	394.70	323.10
7.5	1123.0	370.80	415.80	336.40
7.75	1176.30	389.80	436.90	349.60
8.0	1229.80	408.97	458.10	362.80
8.25	1283.30	428.0	479.40	375.90
8.5	1336.90	447.20	500.70	389.0
8.75	1390.90	466.40	522.10	402.40
9.0	1444.70	485.80	543.60	415.30
9.25	1498.50	505.20	565.10	428.20
9.50	1552.30	524.60	586.70	441.0
MAX CAPACITY – BBL (100%)				
	11329	3659.1	4082.8	3587.05
MAX CAPACITY – CU. FT (95%)				
	57549.2	18587.59	20739.93	18221.7

CBC 74-80 CARGO PIPING (FINAL).DOCX

SPECIAL FEATURES:

1. CARGO PUMP: 2100 GPM – 237 TDH 1800 RPM 10" SUCTION 8" DISCHARGE
2. CARGO PUMP ENGINE: CUMMINS 6CTA
3. COMMON VENT HEADER W/ RETURN LINE
4. CHANNEL STEAM COILS BELOW TANK

BUILDER: SOUTHWEST SHIPYARD

CANAL BARGE COMPANY, INC.



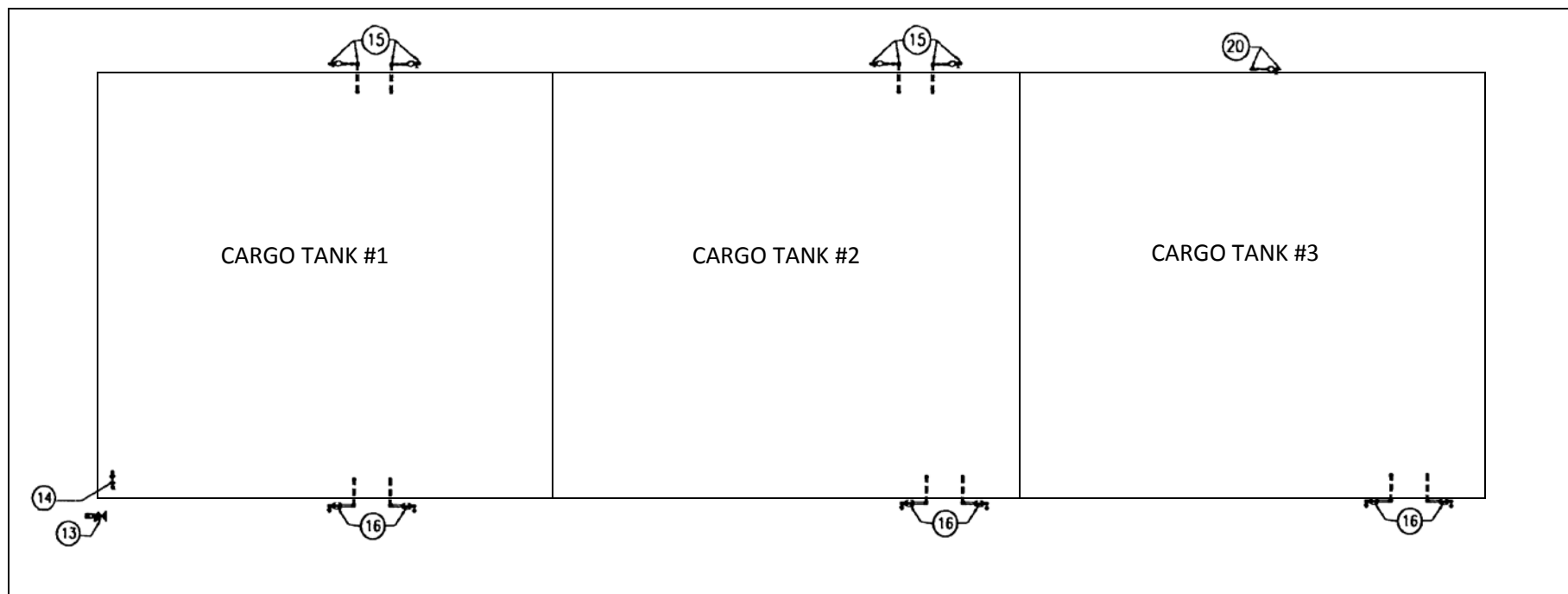
200'-0" X 35'-0" X 12'-6" DOUBLE SKIN TANK BARGE

CARGO PIPING DIAGRAM

SCALE:	DATE: 12/21/11	DWG NO.
YARD: ASHLAND CITY	TAG NO. 96050	P-1
HULL NO. 9549 - 9555	SHOP ORDER:	SHT 1 OF 1
		REV. 2

BOW

STERN



STEAM SYSTEM VALVES

- 13 STEAM SUPPLY SHORE CONNECTION
- 14 STEAM SUPPLY TO PUMPWELL
- 15 STEAM CONDENSATE RETURN VALVE
- 16 STEAM SUPPLY VALVE
- 20 STEAM CONDENSATE RETURN FROM PUMPWELL

BARGE INFORMATION

HULL	9549	9550	9551	9552	9553	9554	9555
NAME:	CBC 74	CBC 75	CBC 76	CBC 77	CBC 78	CBC 79	CBC 80
OFF.#	1197442	1197443	1201541	1201542	1201543	1201544	1201551
YR BUILT	2007	2007	2007	2007	2008	2008	2008

CBC 74-80 STEAM PIPING.DOCX

BUILDER: SOUTHWEST SHIPYARD

CANAL BARGE COMPANY, INC.



200'-0" X 35'-0" X 12'-6" DOUBLE SKIN TANK BARGE

STEAM PIPING DIAGRAM

SCALE:	DATE: 12/21/11	DWG NO.
YARD: ASHLAND CITY	TAG NO. 96050	P-1
HULL NO. 9549-9555	SHOP ORDER:	SHT 1 OF 1
		REV. 2