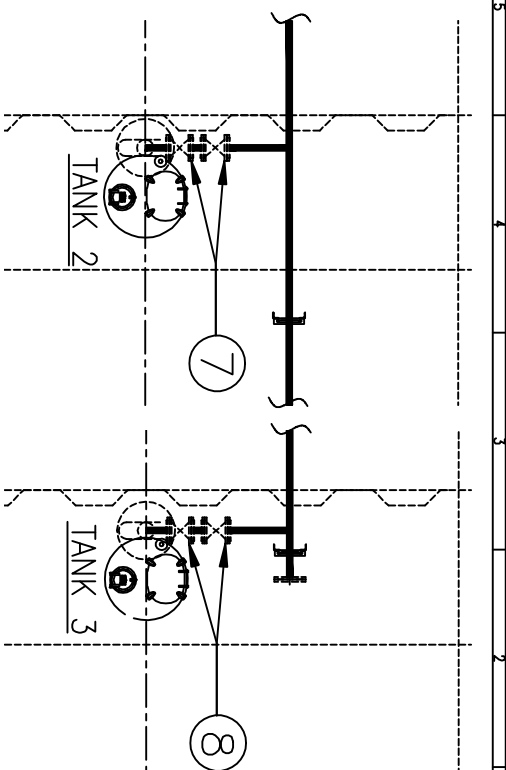
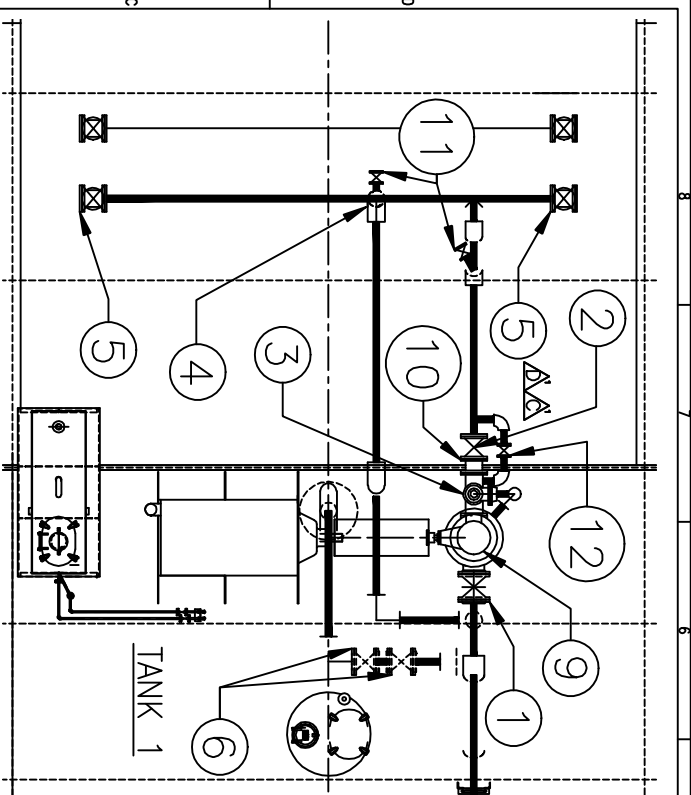


PLAN ABV & BLW DK

FWD

CAPACITY-SHORT TONS AT VARIOUS DRAFTS				
DRAFT	TOTAL	CT1	CT2	CT3
6'-0"	818.1	264.1	296.8	257.4
6'-3"	871.1	282.6	317.4	271.1
6'-6"	924.0	301.2	338.1	284.7
6'-9"	977.2	319.9	359.0	298.3
7'-0"	1030.2	338.7	379.9	311.7
7'-3"	1083.6	357.6	400.9	325.1
7'-6"	1136.9	376.5	421.9	338.5
7'-9"	1190.2	395.5	443.1	351.7
8'-0"	1243.7	414.6	464.3	364.9
8'-3"	1297.3	433.8	485.6	378.0
8'-6"	1350.9	453.0	506.9	391.0
8'-9"	1404.6	472.3	528.4	404.0
9'-0"	1458.4	491.6	549.9	416.9
9'-3"	1512.2	511.1	571.5	429.7
9'-6"	1566.1	530.6	593.1	442.5
9'-9"	1620.1	550.1	614.8	455.2
10'-0"	1674.1	569.7	635.6	467.9
10'-3"	1728.2	589.4	656.4	480.4
10'-6"	1782.4	609.1	680.3	493.0

CARGO SYSTEM VALVES

- | | |
|---------|---------------------------|
| 1-0" | MASTER SUCTION VALVE |
| 2-8" | DISCHARGE VALVE |
| 3-6"x4" | PRESSURE RELIEF VALVE |
| 4-8" | LOAD VALVE |
| 5-8" | PORT & STBD HEADER VALVES |
| 6-8" | TK 1 FILL / SUCTION VALVE |
| 7-8" | TK 2 FILL / SUCTION VALVE |
| 8-8" | TK 3 FILL / SUCTION VALVE |
| 9- PUMP | |
| 10-8" | CHECK VALVE |
| Δ11-2" | DRAIN VALVE |
| Δ12-2" | BY PASS VALVE |

CARGO SYSTEM VALVES			
1- 10"	MASTER SUCTION VALVE		
2- 8"	DISCHARGE VALVE		
3- 6"x4"	PRESSURE RELIEF VALVE		
4- 8"	LOAD VALVE		
5- 8"	PORT & STBD. HEADER VALVE		
6- 8"	TK 1 FILL / SUCTON VALVE		
7- 8"	TK 2 FILL / SUCTON VALVE		
8- 8"	TK 3 FILL / SUCTON VALVE		
9- PUMP			
10- 8"	CHECK VALVE		
Δ11- 1"	DRAIN VALVE		
Δ12- 2"	BY PASS VALVE		
Δ1	MAX. CAPACITY-BBL. (FULL)		
11186.30	3510.12	4064.02	3612.26
TOTAL	CT11	CT12	CT13
Δ2	MAX. CAPACITY-CU FT. (95%)		
59666.25	18721.98	21676.95	19267.32
TOTAL	CT11	CT12	CT13

NAME	HULL #	NAME	HULL #	NAME	HULL #	NAME	HULL #
CBC 1339	9632	CBC 1355	9648	CBC 1371	9703	CBC 1376	9708
CBC 1340	9633	CBC 1356	9649	CBC 1372	9704	CBC 1377	9709
CBC 1341	9634	CBC 1357	9650	CBC 1373	9705	CBC 1378	9710
CBC 1342	9635	CBC 1358	9651	CBC 1374	9706	CBC 1379	9711
CBC 1343	9636	CBC 1359	9652	CBC 1375	9707		
CBC 1344	9637	CBC 1360	9655				
CBC 1345	9638	CBC 1361	9658				
CBC 1346	9639	CBC 1362	9687				
CBC 1347	9640	CBC 1363	9688				
CBC 1348	9641	CBC 1364	9689				
CBC 1349	9642	CBC 1365	9690				
CBC 1350	9643	CBC 1366	9691				
CBC 1351	9644	CBC 1367	9692				
CBC 1352	9645	CBC 1368	9693				
CBC 1353	9646	CBC 1369	9694				
CBC 1354	9647	CBC 1370	9702				

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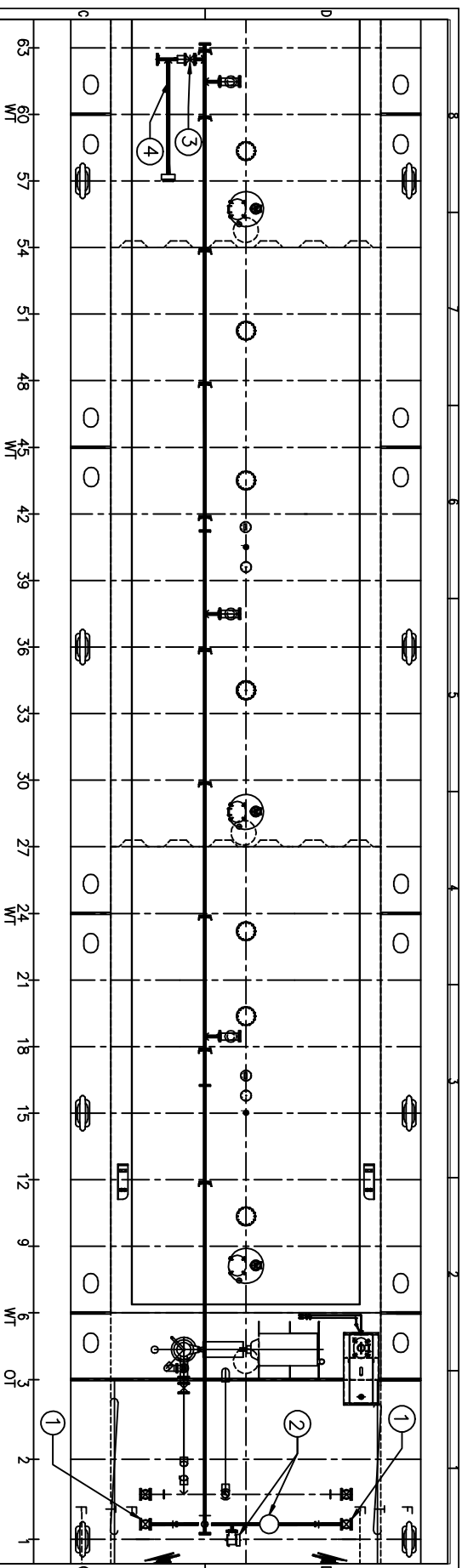


CANAL BARRAGE COMPANY

2007-03-DRAWN-00112-00-DRAWING XXXX XXXX RARE

CARRO PIPE DIAGRAM

[illegible]



VAPOR SYSTEM VALVES

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

CANAL BARGE COMPANY			CANAL BARGE COMPANY			CANAL BARGE COMPANY			CANAL BARGE COMPANY		
NAME	HULL #		NAME	HULL #		NAME	HULL #		NAME	HULL #	
CBC 1335	9628		CBC 1352	9645		CBC 1370	9702	B	CBC 1375	9707	B
CBC 1336	9629		CBC 1353	9646		CBC 1371	9703	B	CBC 1376	9708	B
CBC 1337	9630		CBC 1354	9647		CBC 1372	9704	B	CBC 1377	9709	B
CBC 1338	9631		CBC 1355	9648		CBC 1373	9705	B	CBC 1378	9710	B
CBC 1339	9632		CBC 1356	9649		CBC 1374	9706	B	CBC 1379	9711	B
CBC 1340	9633		CBC 1357	9650		CBC 1375	9707	B			
CBC 1341	9634		CBC 1358	9651		CBC 1376	9708	B			
CBC 1342	9635		CBC 1359	9652		CBC 1377	9709	B			
CBC 1343	9636		CBC 1360	9653		CBC 1378	9710	B			
CBC 1344	9637		CBC 1361	9654		CBC 1379	9711	B			
CBC 1345	9638		CBC 1362	9655							
CBC 1346	9639		CBC 1363	9656							
CBC 1347	9640		CBC 1364	9657							
CBC 1348	9641		CBC 1365	9658							
CBC 1349	9642		CBC 1366	9659							
CBC 1350	9643		CBC 1367	9660							
CBC 1351	9644		CBC 1368	9661							
			CBC 1369	9662							
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