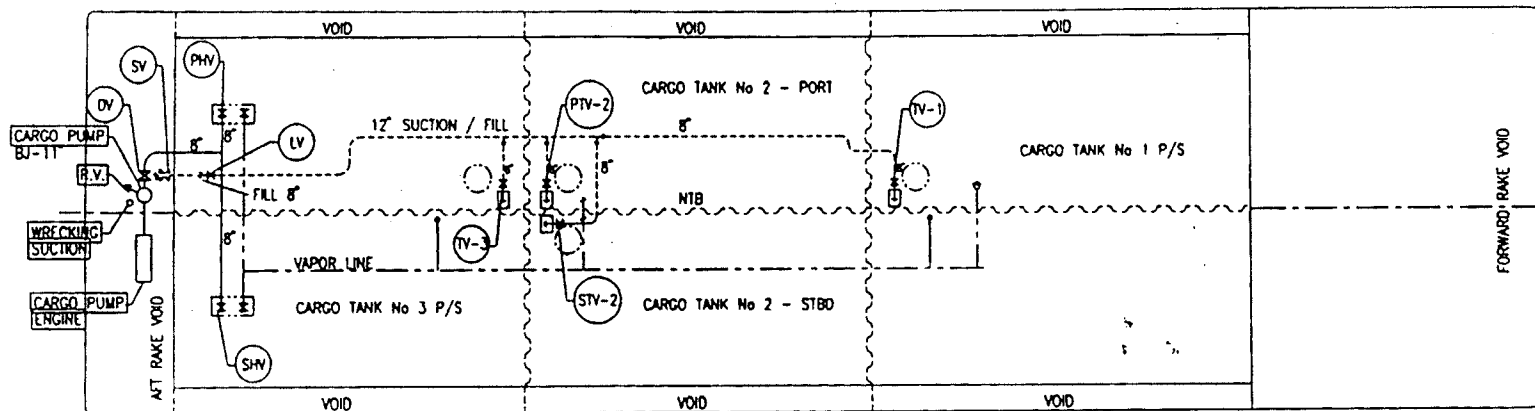
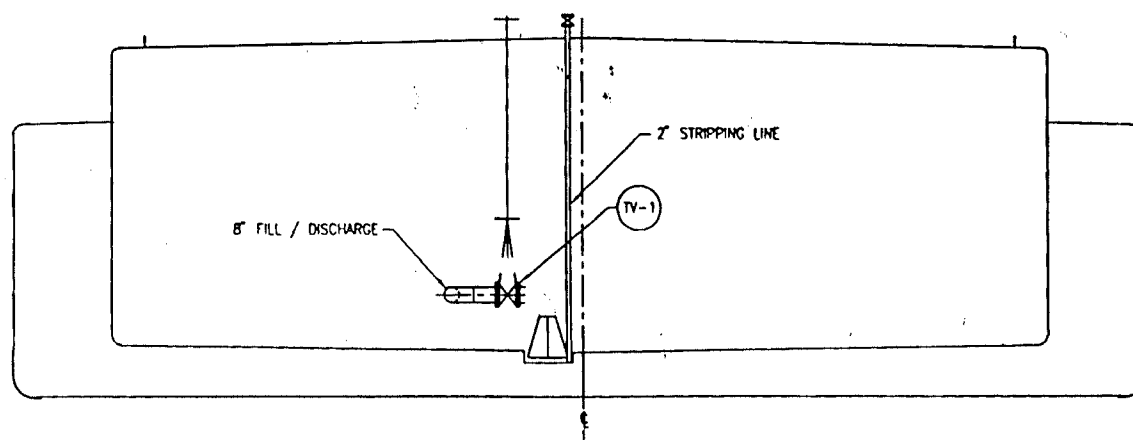




CARGO PIPING



BELOW DECK PIPING

CAPACITIES - SHORT TONS @ VARIOUS DRAFTS						
DRAFT	TOTAL	TANK-1	TANK-2	TANK-2	TANK-3	
FT.	S.T.	P/S	PORT	STBD	P/S	
2'-1"	35.39	12.26	5.78	5.78	11.57	
2'-6"	152.12	52.68	24.86	24.86	49.73	
3'-0"	293.46	101.63	47.95	47.95	95.93	
3'-6"	436.18	151.05	71.27	71.27	142.59	
4'-0"	580.29	200.96	94.82	94.82	189.70	
4'-6"	725.77	251.33	118.59	118.59	237.25	
5'-0"	872.64	302.19	142.59	142.59	285.26	
5'-6"	1,020.87	353.53	166.81	166.81	333.72	
6'-0"	1,170.49	405.34	191.26	191.26	382.63	
6'-6"	1,321.49	457.63	215.93	215.93	431.99	
7'-0"	1,473.84	510.39	240.83	240.83	481.80	
7'-6"	1,627.49	563.60	265.93	265.93	532.03	
8'-0"	1,782.60	617.32	291.28	291.28	582.73	
8'-6"	1,938.94	671.46	316.82	316.82	633.84	
9'-0"	2,096.80	726.12	342.62	342.62	685.44	
9'-6"	2,256.00	781.25	368.63	368.63	737.49	
10'-0"	2,416.56	836.85	394.87	394.87	789.97	
10'-6"	2,578.46	892.92	421.32	421.32	842.90	
11'-0"	2,741.73	949.46	448.00	448.00	896.27	

MAX. CAPACITY - BBL (FULL)

16,680.59 5,776.37 2,726.05 2,726.05 5,452.11

MAX. CAPACITY - CU. FT. (95%)

68,984.78 30,814.80 14,542.47 14,542.47 29,085.00

SPECIAL FEATURES

- 1) CARGO PUMP: 11" BYRON JACKSON
- 2) PUMP ENGINE: CN 6-71
- 3) SEGREGATED CARGO PIPING
- 4) STEAM COILS

VALVE IDENTIFICATION

- SV - SUCTION VALVE
DV - DISCHARGE VALVE
LV - LOAD VALVE
TV-1 - TANK VALVE TANK # 1
PTV-2 - TANK VALVE, TANK # 2 PORT
STV-2 - TANK VALVE, TANK # 2 STBD
TV-3 - TANK VALVE TANK # 3
RV - RELIEF VALVE
PHV - PORT HEADER VALVE
SHV - STBD HEADER VALVE

OPERATING INSTRUCTIONS

- TO LOAD:
OPEN: TV-1, PTV-2, STV-2, TV-3
OPEN: LV
OPEN: SHV OR PHV TO DOCK
CLOSE: SV
CLOSE: DV
- TO DISCHARGE:
OPEN: TV-1, PTV-2, STV-2, TV-3
OPEN: SV
OPEN: DV
OPEN: SHV OR PHV TO DOCK
CLOSE: LV

schuller & allen, inc.
HOUSTON, TEXAS

FirstWave
NEWARK, CALIFORNIA

CALIF. BARGE COMPANY, INC.

200' x 54' x 12'-6"

CBC 224

PIPING DIAGRAM

BARGE INFO.

HULL NO.: CBC 224
NAME: CBC 224
YEAR BUILT: 1999
HULL TYPE: DOUBLE BOTTOM
CARGO GRADE: A & LOWER

DATE

BY

SCALE

DATE

BY

SCALE

DATE

BY