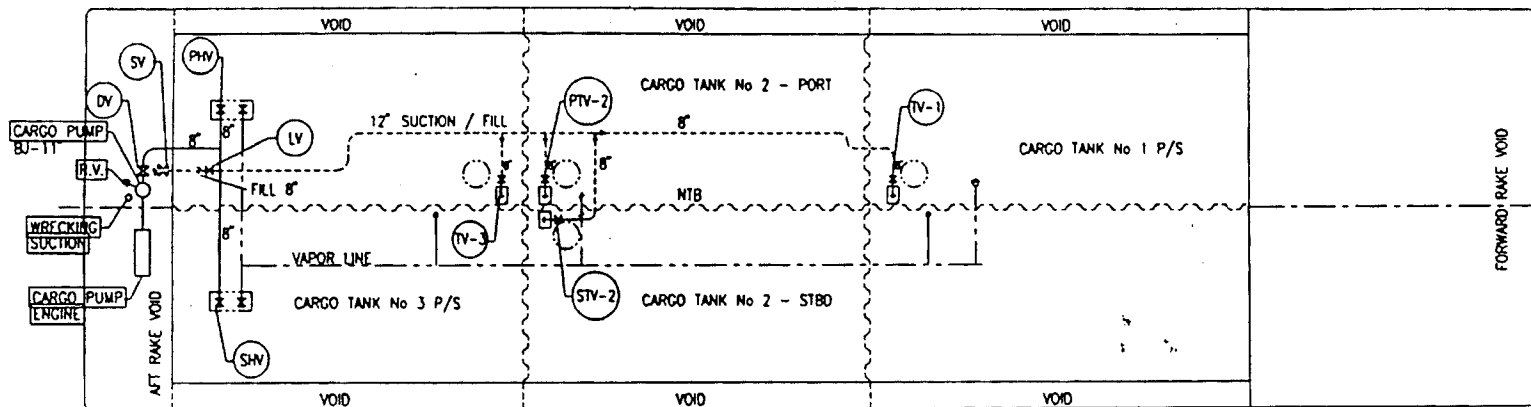
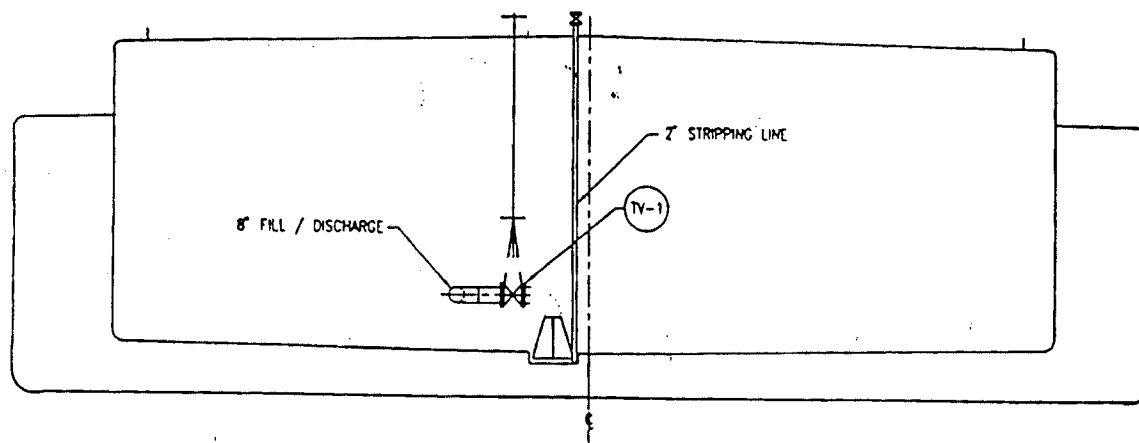




CARGO PIPING



BELOW DECK PIPING

CAPACITIES - SHORT TONS @ VARIOUS DRAFTS						
DRAFT FT.	TOTAL G.T.	TANK-1 P/S G.T.	TANK-2 PORT G.T.	TANK-2 STBD G.T.	TANK-3 P/S G.T.	TANK-3 STBD G.T.
2'-0"	35.39	12.26	5.78	5.78	11.57	11.57
2'-6"	152.12	53.64	24.86	24.86	48.73	48.73
3'-0"	293.46	101.63	47.95	47.95	95.93	95.93
3'-6"	436.18	151.05	71.27	71.27	142.58	142.58
4'-0"	580.29	200.96	94.62	94.62	189.70	189.70
4'-6"	725.77	251.33	118.59	118.59	237.25	237.25
5'-0"	872.84	302.79	142.59	142.59	285.76	285.76
5'-6"	1,020.87	353.53	166.81	166.81	333.72	333.72
6'-0"	1,170.49	405.34	191.28	191.28	382.63	382.63
6'-6"	1,321.49	457.83	215.83	215.83	431.99	431.99
7'-0"	1,473.84	510.39	240.83	240.83	481.80	481.80
7'-6"	1,627.49	563.60	265.83	265.83	532.03	532.03
8'-0"	1,782.40	617.32	291.28	291.28	582.73	582.73
8'-6"	1,938.94	671.44	316.82	316.82	633.84	633.84
9'-0"	2,096.80	726.12	342.82	342.82	685.44	685.44
9'-6"	2,256.00	781.25	368.63	368.63	737.49	737.49
10'-0"	2,416.54	836.85	394.87	394.87	789.97	789.97
10'-6"	2,578.46	892.92	421.35	421.35	843.90	843.90
11'-0"	2,741.73	949.46	448.00	448.00	898.27	898.27

MAX. CAPACITY - BBL (FULL)

116,660.59 5,778.37 2,778.05 2,778.05 5,452.11

MAX. CAPACITY - GIL FT. (95%)

88,984.78 36,814.86 14,542.47 14,542.47 29,084.93

SPECIAL FEATURES

- 1) CARGO PUMP: 11" BYRON JACKSON
- 2) PUMP (ENGINE): GM 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

S&A schuller & allen, inc.
MEMPHIS, TENN.

FirstWave
FIRST WAVE SHIPMANAGEMENT

CARGO TANK COMPANY, INC.

200' x 34' x 17'-6"

CBC 225

PIPING DIAGRAM

BARGE INFO.

HULL N
NAME: CBC 225
YEAR BUILT: 1998
HULL TYPE: DOUBLE BOTTOM
CARGO GRADE: A & LOWER

DATE

BY

DATE

DATE

DATE

DATE

DATE

DATE