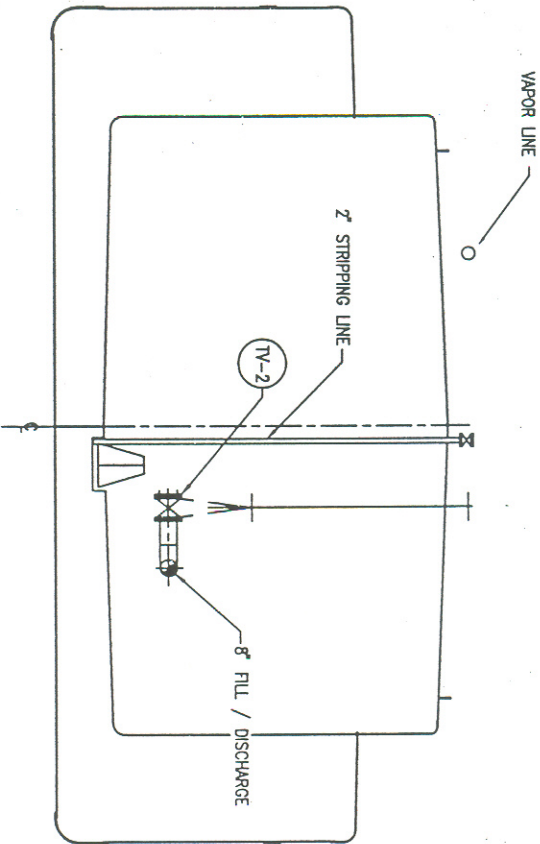


CARGO PIPING



BELOW DECK PIPING

DRAHT	TOTAL	TANK-1			TANK-2			TANK-3		
		FT.	P/S	S.T.	FT.	P/S	S.T.	FT.	P/S	S.T.
2-6	77.96	25.73		25.73	26.51					
3-0	178.84	59.02		59.02	60.81					
3-6	280.25	92.48		92.48	95.28					
4-0	382.17	128.11		128.11	129.94					
4-6	484.00	158.92		158.92	164.76					
5-0	587.56	193.90		193.90	198.77					
5-6	691.05	228.05		228.05	234.96					
6-0	795.04	262.36		262.36	270.31					
6-6	899.58	296.86		296.86	305.85					
7-0	1,004.61	331.52		331.52	341.57					
7-6	1,109.85	366.24		366.24	377.34					
8-0	1,215.90	401.14		401.14	413.30					
8-6	1,321.90	436.19		436.19	449.41					
9-0	1,428.49	471.40		471.40	485.68					
9-6	1,535.67	506.77		506.77	522.13					
10-0	1,643.31	542.29		542.29	558.72					
10-6	1,751.43	577.97		577.97	595.48					
11-0	1,860.03	613.81		613.81	632.41					

MAX CAPACITY - BEL (FULL)
 [0.892.4] 3,528.5 3,528.5 3,635.4
 MAX CAPACITY - CU. FT. (95%)
 [57,035.6] 18,821.8 18,821.8 19,322.1

SPECIAL FEATURES

- 1) COMMON VAPOR HEADER
- 2) CARGO PUMP: 11" BRON ALUMINUM
- 3) PUMP ENGINE: GM 6-71
- 4) TANKS HAVE STEAM HEATING COILS
- 5) COMMON CARGO HEADER

VALVE IDENTIFICATION

- TV - TANK VALVES (NUMBERED PER TX)
- DV - DISCHARGE VALVE
- RV - RELIEF VALVE
- LV - LOAD VALVE
- PHV - PORT HEADER VALVE
- SHV - STRIP HEADER VALVE
- SV - SUCTION VALVE

OPERATING INSTRUCTIONS

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

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



BARGE INFO.
 HULL NO: 120, 121, 125 & 126
 NAME: CFC 113, 114, 116 & 119
 YEAR BUILT: 1989-2000
 HULL TYPE: DOUBLE BOTTOM
 CARGO GRADE: A & LOWER

DATE	BY	3940-016
DATE	BY	3940-016