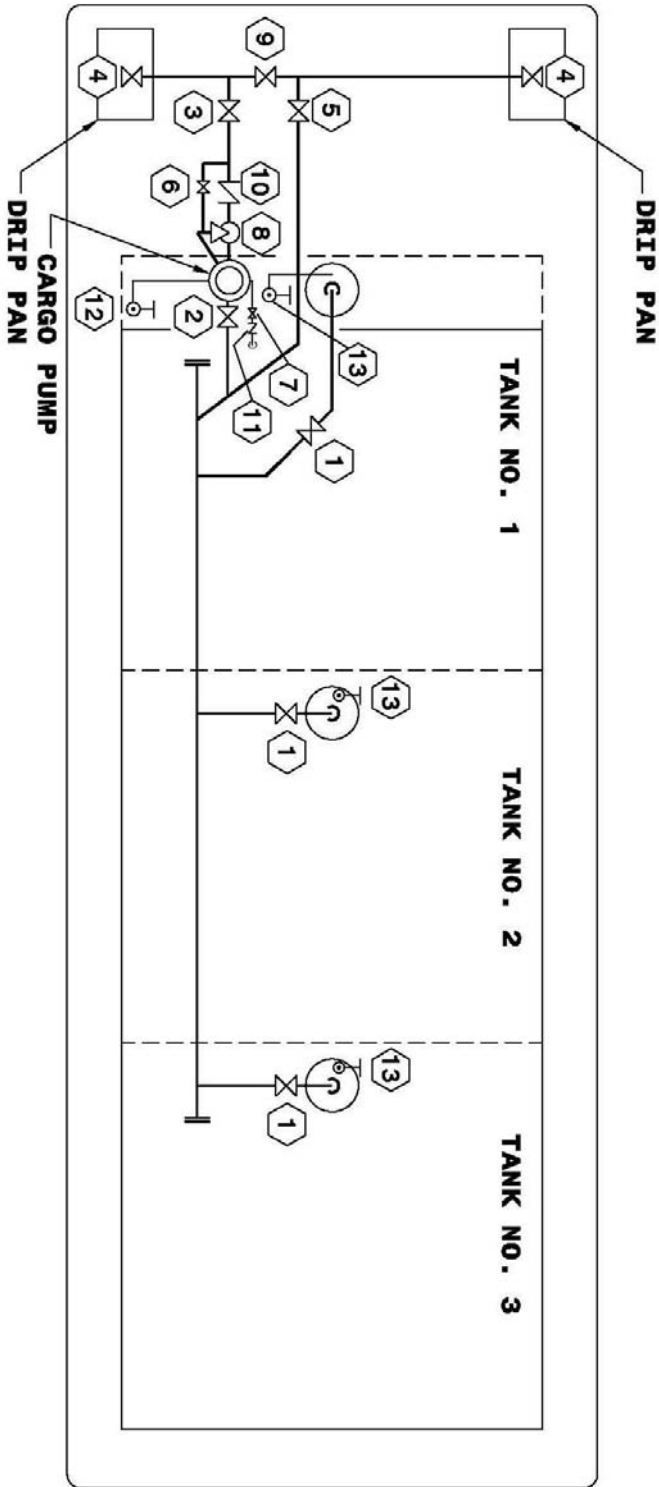


Cargo Piping Diagram  
 CBC 1103 (EX: CHEM 1219 EX: AEP 10020)  
 HULL# 13-2828



- |                           |                              |
|---------------------------|------------------------------|
| ① 8" CARGO SUCTION        | ⑧ 6" PRESSURE RELIEF         |
| ② 10" PUMPWELL BLOCK      | ⑨ 8" CARGO HEADER BLOCK      |
| ③ 8" CARGO PUMP DISCHARGE | ⑩ 8" CARGO CHECK             |
| ④ 8" CARGO HEADER SHUTOFF | ⑪ 1 1/2" PUMPWELL VENT CHECK |
| ⑤ 8" CARGO LOADING        | ⑫ 2" PUMPWELL STRIPPING      |
| ⑥ 2" CHECK VALVE BYPASS   | ⑬ 2" CARGO STRIPPING         |
| ⑦ 1 1/2" PUMPWELL VENT    |                              |

**Cargo Chart** 8/11/2014  
 Jeffboat Job: 5809-13  
 General Arrgt: B-21858  
 Lightship (ST) 417.52

Table Valid For: AEP 10001 THRU AEP 10040

Jeffboat Hulls: 13-2809 THRU 13-2828  
 13-2861 THRU 13-2880

Deadweight (Cargo Weight) shown based on barge in fresh water at even keel

Average Draft	ST Deadweight	Average Draft	ST Deadweight	Average Draft	ST Deadweight	Average Draft	ST Deadweight
1'-1"		4'-4"	461	7'-7"	1,149		
1'-2"		4'-5"	479	7'-8"	1,167		
1'-3"		4'-6"	496	7'-9"	1,185		
1'-4"		4'-7"	514	7'-10"	1,203		
1'-5"		4'-8"	531	7'-11"	1,221		
1'-6"		4'-9"	549	8'-0"	1,239		
1'-7"		4'-10"	566	8'-1"	1,256		
1'-8"		4'-11"	583	8'-2"	1,274		
1'-9"		5'-0"	601	8'-3"	1,292		
1'-10"		5'-1"	619	8'-4"	1,310		
1'-11"		5'-2"	636	8'-5"	1,328		
2'-0"		5'-3"	654	8'-6"	1,346		
2'-1"		5'-4"	671	8'-7"	1,364		
2'-2"	14	5'-5"	689	8'-8"	1,382		
2'-3"	31	5'-6"	706	8'-9"	1,400		
2'-4"	48	5'-7"	724	8'-10"	1,418		
2'-5"	65	5'-8"	741	8'-11"	1,436		
2'-6"	82	5'-9"	759	9'-0"	1,454		
2'-7"	99	5'-10"	777	9'-1"	1,472		
2'-8"	116	5'-11"	794	9'-2"	1,490		
2'-9"	133	6'-0"	812	9'-3"	1,508		
2'-10"	150	6'-1"	830	9'-4"	1,526		
2'-11"	167	6'-2"	847	9'-5"	1,544		
3'-0"	185	6'-3"	865	9'-6"	1,562		
3'-1"	202	6'-4"	883	9'-7"	1,580		
3'-2"	219	6'-5"	900	9'-8"	1,598		
3'-3"	236	6'-6"	918	9'-9"	1,616		
3'-4"	253	6'-7"	936	9'-10"	1,634		
3'-5"	271	6'-8"	954	9'-11"	1,652		
3'-6"	288	6'-9"	971	10'-0"	1,670		
3'-7"	305	6'-10"	989	10'-1"	1,688		
3'-8"	323	6'-11"	1,007	10'-2"	1,706	Cargo Volume	11,065
3'-9"	340	7'-0"	1,025				
3'-10"	357	7'-1"	1,042				
3'-11"	374	7'-2"	1,060			G. R. T.	735
4'-0"	392	7'-3"	1,078				
4'-1"	409	7'-4"	1,096				
4'-2"	427	7'-5"	1,114				
4'-3"	444	7'-6"	1,131				