



BILL OF MATERIAL

PC No.	QTY	SIZE	DESCRIPTION	UNIT	REVISIONS
P1	5	6"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P2	100	4"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P3	25	5"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P4	100	2 1/2"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P5	100	2"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P6	60	1 1/2"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P7	400	4"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P8	170	4"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P9	55	2"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P10	15	1 1/2"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
P11	7	5"	PIPE GALV. ST. SCH. 40 ASTM A 234	FT	
F1	2	6"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F2	12	4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F3	2	3"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F4	17	2 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F5	8	2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F6	6	1 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F7	2	6x4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F8	1	4x2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F9	1	5x1 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F10	5	4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F11	5	2 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F12	1	2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F13	1	1 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F14	4	1 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F15	4	1 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F16	4	1 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F17	4	1 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F18	4	1 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F19	4	1 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F20	12	4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F21	2	2 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F22	2	2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F23	2	2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F24	3	4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F25	2	2 1/2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F26	9	4x4x4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F27	10	4x4x4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F28	1	4x4x4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F29	1	4x4x4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F30	1	4x4x4"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F31	1	3x3x3"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	
F32	2	2x2x2"	CONC. REDUCER GALV. ST. SCH. 40 ASTM A 234	PC	

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U.S. NAVAL SHIP SYSTEMS COMMAND
WASHINGTON, D.C. 20380

OCEANOGRAPHIC RESEARCH SHIP
AGOR (UTILITY CLASS)

HALTER MARINE SERVICES, INC.
P.O. BOX 28266 NEW ORLEANS, LA. 70128

BILGE BALLAST & FIRE PIPING
SECTIONS, DETAILS & BILL OF MAT'L

SCALE:	NOTED	DATE	12-1-72	HALTER	DWG. NO.	10-1-72
DRAWN BY:	REVISION	CHK'D BY:	JOMER	HALTER	JOB NO.	2123
HULL NO.	376	LABOR NO.	2123	HALTER	REV.	2
NAVSHIPS NO.	AGOR 21-508-506					