SYMBOLS LIST CHECK VALVE BALL VALVE BALL VALVE, LOCKING DIAPHRAGM PUMP SUCTION STRAINER BOX BULKHEAD PIPE PENETRATION

SCH 40, RPTFE OR ASTM A105, ANSI ANSI B18.2.2 | SEAMLESS, ASTM | B16.5 BALL - ABV DK VITON SEATS SW OR THREADED, A53 TYPE S, OR ASTM A106, 3-PIECE S. STEEL, ASTM GRADE B, ANSI <u>CHECK</u> B36.10 A351 GR CF8M CRES DISC FIXTURE FEED COPPER TYPE-K TUBING STANDARD WALL EQUIPMENT & PUMP LIST QTY SERVICE TYPE MODEL CAPACITY DRIVE FRESH WATER 35 GPM 2HP TEFC MOTOR CENTRIFUGAL @ 35 PSI 208V/3P/60Hz PRESSURE PUMP SEE NOTE 10

		17-1372-4008 GENERATOR COOLING	PIPING B.O.M	
ITEM	QTY	DESCRIPTION	MATERIAL SPEC	REMARKS
1	2	PUMP 1-1/2 HP SHALLOW WELL PUMP, 120/208VAC 3PH, 45GPM @ 40 PSI WITH PRESSURE SWITCH 35-55 PSI SETTING		1-1/2" NPT IN 1-1/2"NPT OUT OR EQUAL
2	2	BLADDER TANK, 20 GALLON, #3GVT6, VERTICAL PRE CHARGED, 16" DIA		1" (F) IN - 1" (F) OUT OR EQUAL
3	1	WATERHEATER, 50 GAL, WITH USCG APPROVED PRESSURE-TEMP RELIEF VALVE	UL 174, UL 1453	VERIFY WITH OWNER PRIOR TO PURCHASE
5	4	TOILET FLUSHING VALVE, SLOAN OR EQUAL		
PG-#	AS REQ	D PIPE GALVANIZED, SCH 40	ASTM A-53	
F-	AS REQ	D MISC FITTINGS, MALL IRON,150#,	ASTM A-197	OR EQUAL
FG-2	AS REQ	D MISC FITTINGS, GALV, MALEABLE IRON, 150#	ASTM A-197	
CV-2	1	CHECK VALVE, BRONZE, 125 lb., SCREWED 2"	ASTM B-62	OPTION: DUCTILE IRON A-395, CARBON STEEL A-216, 316 STAINLESS STEEL A-351
V-1	4	1- 1/2" BRONZE BALL VALVE	ASTM B-62	OPTION: DUCTILE IRON A-395, CARBON STEEL A-216, 316 STAINLESS STEEL A-351
V-2	6	3/4" HOSE BIB, BRONZE, 125LB, SCREWED	ASTM B-62	FULL PORT
V-3	0	1- 1/4" BRONZE BALL VALVE	ASTM B-62	OPTION: DUCTILE IRON A-395, CARBON STEEL A-216, 316 STAINLESS STEEL A-351
V-4	3	2" BRONZE BALL VALVE	ASTM B-62	OPTION: DUCTILE IRON A-395, CARBON STEEL A-216, 316 STAINLESS STEEL A-351
V-5	7	3/8" BRONZE BALL VALVE	ASTM B-62	OPTION: DUCTILE IRON A-395, CARBON STEEL A-216, 316 STAINLESS STEEL A-351
V-6	28	1/2" SHUTOFF VALVE, BRONZE	ASTM B-62	OPTION: DUCTILE IRON A-395, CARBON STEEL A-216, 316 STAINLESS STEEL A-351
V-7	2	3/4" BRONZEC BALL VALVE	ASTM B-62	OPTION: DUCTILE IRON A-395, CARBON STEEL A-216, 316 STAINLESS STEEL A-351
V-8	4	1" BRONZE BALL VALVE	ASTM B-62	OPTION: DUCTILE IRON A-395, CARBON STEEL A-216, 316 STAINLESS STEEL A-351

17-1372-4008 GENERATOR COOLING PIPING B.O.M.

VALVES

TRIM

PLATED BALL,

<u>BALL</u>

CHROME

BODY

BOLTING

BOLTS/STUDS NUTS/WASHERS

ASTM A307 GR B CARBON STEEL

CARBON STEEL

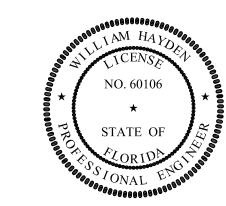
ANSI B18.2.1

HEX-HEAD

ASTM A563 GR A

REMARKS

** MAY BE PROVIDED WITH FIXTURES



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***************************************	Title: 70.5'x30'x11' NCDOT TOWBOAT				
Search A Salar Sal	POTABLE WATER PIPING				
90000					
	Dwg. No. Alt. No. 0 17-1372-533 Sht. 1 of 2				
	Drawn By: CHRISTOPHER DUNCAN Date: JUNE 05, 2018				
	Checked By:				

PRESSURE GAUGE - GENERAL NOTES -MATERIAL AND WORKMANSHIP SHALL CONFORM TO U.S. COAST GUARD REQUIREMENTS FOR SUBCHAPTER "M" VESSELS. PIPING SHALL BE RUN AS DIRECTLY AS PRACTICABLE WITH A MINIMUM NUMBER OF BENDS AND FITTINGS. PROVIDE TAKEDOWN JOINTS FOR REMOVAL, INSPECTION, SERVICING, AND REPLACEMENT OF EQUIPMENT. PIPING SHALL BE RUN TO MINIMIZE CUTTING OF THE SHIP'S STRUCTURE. MHERE PIPES PENETRATE TANK BOUNDARIES, BULKHEADS, OR DECKS, HEAVY WEIGHT SPOOL PIECES OR REINFORCING PENETRATION FITTINGS SHALL BE USED. SEE DETAIL 1-4A. 4. PIPING SHALL BE SUPPORTED BY HANGERS IN ACCORDANCE WITH ASTM F708. 5. DRIP PANS SHALL BE PROVIDED BENEATH ALL PUMPS, STRAINERS, & FILTERS THAT WILL LEAK DURING ROUTINE MAINTENANCE AND 6. BE EQUIPPED WITH A LOW POINT DRAIN VALVE. IT DRIP PANS UNDER HOSE REELS AND PUMPS. 7. FLEXIBLE POTABLE WATER HOSE SHALL BE USDA APPROVED DRINKING WATER HOSE

-

Jund

PIPE

REDUCER

CAMLOCK

DRIP PAN

HOSE REEL

SIZE

PIPE

BELOW DECK

GALVANIZED,

CARBON STEEL

TAKEDOWN JOINTS

<u>FLANGE</u> #150,

SOCKET WELD

CARBON STEEL,

SERVICE

45GMP@40 PSI

POTABLE WATER PUMP

FITTINGS

BELOW DECK

THREADED,

COMPONENTS

FLEX CONNECT

<u>HOSE</u>:

STEEL GALVANIZED | SEE NOTE 11 | STYLE 3000

MATERIAL SCHEDULE

GASKETS

GARLOCK

ANSI-D (24"x36")

