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© 2017 ELLIOTT BAY DESIGN GROUP. SCHEDULE MATERIAL DESCRIPTION DWN DATE 12. THE POTABLE WATER PRESSURE TANK SHALL BE FITTED WITH AN 80 PSIG SAFETY RELIEF VALVE. THE HOT WATER HEATER SHALL BE FITTED WITH A TEMPERATURE/PRESSURE RELIEF VALVE. TAKEDOWN JOINTS REMARKS SERVICE SIZE PIPE FITTINGS MATERIAL GASKETS BOLTING BODY TRIM 13. USE USCG COMPLIANT BULKHEAD/DECK PENETRATIONS FOR COPPER AND OTABLE WATE CROSSLINKED POLYETHYLENE PTFE SEATS BRASS CRIMP STYLE FITTINGS MAIN DECK AND ABOVE NSF SAFE (PEX) 14. TOILETS SHALL BE SUPPLIED WITH SOLENOID FLUSHING VALVES. ASTM F877 AND ASTM F877 AND F1807 ASTM F876 AND F1807 15. EXTERIOR HOSE BIBS SHALL BE FITTED WITH A METHOD TO ISOLATE AND 85 PSIG MAX TEMP: DRAIN THE WATER FOR FREEZE PROTECTION. 125 E חו 16. VENT TERMINAL SHALL BE BALL CHECK TYPE WITH FLANGED ALUMINUM BODY AND FLANGE, 150#, ANSI B16.24, SOLDER JOINT, BRONZE, ASTM B61 CHROME PLATED BALL, PTFE SEATS WROT COPPER, ANSI B16.22, ASTM B75 OTABLE WATE BOLTS: STAINLESS STEEL CERTIFIED LEAD FREE SEAMLESS HARD DRAWN, ASTM B88, BELOW MAIN FOR SYSTEM BRONZE 150# 17. THE POTABLE WATER SYSTEM SHALL BE SUPPLIED WITH TWO PRESSURE PUMPS. THREADED OR SOLDER DECK ASTM A193 TYPE K OR L GRADE B8M NORMAL OPERATION IS ONE PUMP PRESSURIZING THE SYSTEM AND THE SECOND 85 PSIG MAX TEMP: 125 F STAINLESS STEEL ASTM A194 GRADE 8M ANSI R18 2 2 APPROPRIATE FOR SYSTEM POTABLE WATE GENERAL NOTES ALL ALUMINUM FLANGE ALUMINUM. STAINLESS STEEL ASTM A193 GRADE B8M ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH 46 ANSI B16.9 CFR SUBCHAPTER T REGULATIONS ANSI B16.5 ANSI 36.1 ANSI B18.2.1 BUTT WELD THIS DRAWING IS DIAGRAMMATIC AND DOES NOT REPRESENT A COMPLETE SCH 40 DETAILED DESIGN. EQUIPMENT LAYOUT IN A GIVEN AREA IS APPROXIMATE.
THE CONTRACTOR SHALL DEVELOP A DETAILED DESIGN THAT PROVIDES A
FULLY FUNCTIONAL ARRANGEMENT SUITABLE FOR INSTALLATION, TAKING INTO STAINLESS STEEL ASTM A194 MAX TFME 125 CRADE 8M ACCOUNT ALL NECESSARY SYSTEM INTERFACES AND INTERFERENCES. DIMENSIONS SHALL BE VERIFIED FROM THE SHIP AND MANUFACTURERS' CERTIFIED DRAWINGS AS APPROPRIATE. PIPING SHALL BE RUN AS DIRECTLY AS PRACTICABLE WITH A MINIMUM NUMBER OF BENDS AND FITTINGS AND WITH SUFFICIENT TAKE DOWN JOINTS TO PROVIDE FOR REMOVAL, INSPECTION, SERVICING AND EQUIPMENT LIST SYMBOLS LIST REPLACEMENT OF PIPING, VALVES, FITTINGS AND EQUIPMENT, AVOID POCKETS IN THE PIPE LINES. BOSSES AND VALVES OR SCREWED PLUGS SHALL BE FITTED TO ENABLE COMPLETE DRAINING OF PIPES WHERE QTY. DESCRIPTION TYPF DRIVE MODEL CAPACITY REMARKS PIPE - POTABLE WATER SUPPLY POCKETS DO OCCUR. SEE NOTES 8 & 1 PIPE - HOT WATER SUPPLY POTABLE WATER MULTI-STAGE 9 AMPS PIPING SHALL BE ADEQUATELY SUPPORTED BY HANGERS IN ACCORDANCE © 50 PSIG 115V/1P/60Hz WITH ASTM F708. HANGERS SHALL BE ATTACHED TO THE PIPE WITH BOLTED CLAMPS AND WELDED TO THE BASIC SHIP STRUCTURE. CARE SHALL BE EXPROISED TO PLACE PIPE HANGERS SO THAT THE STRAIN IS AVOIDED WHERE PIPING IS CONNECTED TO MACHINERY. HANGERS SHALL -BHD PENETRATION NOT BE ATTACHED BY WELDING DIRECTLY TO PIPES. POTABLE WATER ASME RATED \triangleright REDUCER 6. HOT & COLD WATER PIPING TO BE INSULATED ACCORDING TO REF 1. BALL VALVE \bowtie HOT WATER THERMOSTAT SETTINGS NOT TO EXCEED 110° F. THE POTABLE WATER PRESSURE PUMP SYSTEM SHALL BE SUPPLIED WITH 208V/1P/60Hz 4.1kW TANKLESS WATER ELECTRIC 2 GPM MAX WATER TEMP RELIEF VALVE INTEGRAL PRESSURE SWITCHES TO CONTROL THE PUMP OPERATION. THE PRESSURE SWITCHES SHALL BE SET TO START THE PUMP AT 40 PSI AND STOP IT AT 60 PSI. THE PUMP SUCTION ALSO SHALL HAVE AN INTEGRAL OUTPUT OF 110 MATERIAL TRANSITION CHECK VALVE. BRONZE BODY SIMPLEX AFTER INSTALLATION & TESTING THE SYSTEM SHALL BE CLEANED, SANITIZED & FLUSHED IN ACCORDANCE WITH USPHS REQUIREMENTS. SEE REF 1 STRAINER ı⊗ı SIMPLEX STRAINER BASKET TYPE 10. FILL CONNECTION TO BE MALE CAMLOCK WITH CAP. TO BE MOUNTED (€) CENTRIFUGAL PUMP HORIZONTALLY AND MINIMUM 24" ABOVE DECK. 11. INTEGRATE TANK LEVEL SENSORS WITH SHIP'S ALARM AND MONITORING -₩(\) LOCAL GAUGE, PRESSURE SYSTEM, CONFIGURE FOR CONTINUOUS INDICATION AND LOW LEVEL ALARM AT 25% OF TANK CAPACITY, SEE REF 1. BACKFLOW PREVENTER M \sqrt{M} CAMLOCK W/ CAP REFERENCES +1. 16109-003-802-0 CONTRACT SPECIFICATIONS ~LLA LOW LEVEL ALARM **√**[] CONTINUOUS LEVEL INDICATION ALUMINUM PIPE - EXTERIOR BHD LOCATE SHUT-OFF VALVE -IN AN ACCESSIBLE LOCATION FIBERGLASS ENCLOSURE SCH 80 ALUMINUM PIPE SLEEVE - HOSE RACK WITH 50 FT COVER PANEL - DECK OR BHD OR TANK FINISHED WALL NORTH CAROLINA FERRY SYSTEM Elliott Bay Design Group North Carolina, PLLC NORTH CAROLINA D.O.T. RALEIGH, NORTH CAROLINA DECK PEDESTRIAN FERRY DETAIL 1-6A POTABLE WATER SYSTEM DETAIL 1-4A TYP DECK/BHD/TANK PENETRATION TYPICAL EXTERIOR HOSE BIB FOR ALUMINUM PIPE NOT TO SCALE 16109-003-533-0 Ď NOT TO SCALE FILE NAME 16109-003-533-0-SCALE AS NOTED DWN MWR CKD LGB_ APVD LGB APVD DATE 3/3/2017 MOD JHP 6

