

PLUMBING FIXTURE

ID	BASIS OF DESIGN						SPECIFICATION							
	MANUFACTURER & MODEL	ACCESSORIES	COLD	HOT	WASTE	INDIRECT	VENT	TRAP						
WC-1	AMERICAN STANDARD, #2467.100 "CADET"	AMERICAN STANDARD SEAT #5257A65MT,	3/4"	---	4"	---	2"	INTEGRAL	WATER CLOSET, ADA COMPLIANT, 1.1 GPF, FLOOR MOUNTED 16-1/2" FROM FINISHED FLOOR, TWO PIECE VITREOUS CHINA TANK TYPE, ELONGATED BOWL, PRESSURE ASSISTED SIPHON JET FLUSH, RIGHT OR LEFT SIDED HANDLE AS NEEDED, INTEGRAL STOPS AND TRAP, SEAT - CARDIFF EVERCLEAN SLOW CLOSE SOLID PLASTIC CLOSED FRONT SEAT WITH COVER					
LV-1	AMERICAN STANDARD, 0355.012 "LUCERNE", CHICAGO FAUCETS #420-T41E2805ABCP	MOGUIRE PREWRAPPED P-TRAP INSULATION KIT #PW2125HDVC, MOGUIRE P-TRAP #PW8090, MOGUIRE SUPPLY STOP VALVES #LFBV2-02, WADE CARRIER #530 SERIES (SINGLE OR DOUBLE AS REQUIRED),	1/2"	1/2"	2"	---	2"	1-1/4"	LAVATORY - ADA COMPLIANT, 18-1/4"x20-1/4"x7-3/8"D, WALL HUNG, WHITE VITREOUS CHINA, FRONT OVERFLOW, TWO FAUCET HOLES ON 4" CENTERS, FAUCET - 0.5 GPM, MANUAL SINGLE LEVER, NON-AERATED LAMINAR, LEAD FREE, 4-5/8" SPOUT, ASSE 1070 INTEGRAL THERMOSTATIC MIXING ABOVE DECK, CARRIER - CONCEALED ARM WALL CARRIER					
SK-1	JUST MFG, NSFB124-J	STERN-WILLIAMS #T-10-VB MOP SINK FAUCET, MOGUIRE SUPPLY STOP VALVES #LFBV2-04,	1/2"	1/2"	---	2"	2"	1-1/2"	SINK - 27"x27-1/2"x14", FLOOR MOUNTED SINGLE SCULLERY SINK, 14 GAUGE TYPE 304 STAINLESS STEEL, CENTER DRAIN OUTLET, MOUNTED ON FOUR (4) 22" STAINLESS STEEL TUBE LEGS, FAUCET - 2.0 GPM, CHROME PLATED LEAD FREE, VACUUM BREAKER, PAIL HOOK, 3/4" HOSE THREADED OUTLET					
JS-1	STERN WILLIAMS, MTB-2424	STERN-WILLIAMS #T-35 RUBBER HOSE AND HANGER, STERN-WILLIAMS #T-40 MOP HANGER, (2) STERN-WILLIAMS #BP SPLASH PANELS, T&S BRASS, B-0658	3/4"	3/4"	3"	---	2"	3"	MOP SINK - 24" x 24" x 10", FLOOR MTD, PRECAST TERAZZO, STAINLESS STEEL CAPS, FAUCET - 2.0 GPM CHROME PLATED LEAD FREE, VACUUM BREAKER, PAIL HOOK, 3/4" HOSE THREADED OUTLET, HOSE AND WALL HOOK, MOP HANGER, SPLASH CATCHER PANELS					
FPWH-1	WOODFORD, 67	PROVIDE FULL PORT ISOLATION BALL VALVE FOR FIXTURE,	3/4"	---	---	---	---	---	FREEZEPROOF WALL HYDRANT - SIZE FOR WALL THICKNESS+4", RED BRASS VALVE BODY, 3/8" SOLID BRASS OPERATING ROD, HARDENED STAINLESS STEEL STEM, ONE PIECE VALVE PLUNGER, COPPER CASTING TUBES, DRAIN PORT UNDER NOZZLE, 3/4" HOSE CONNECTION W/ HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER, ADJUSTABLE WALL CLAMP					
FD-1	MIFAB, F1100-7-1-MG	MIFAB "MI-GARD" TRAP SEAL DEVICE,	---	---	SEE PLAN	---	2"	SEE PLAN	FLOOR DRAIN - 3" PIPE SIZE, 7"DIA STRAINER WITH NICKEL-BRONZE FINISH, LACQUERED CAST IRON W/ ANCHOR FLANGE, OPTIONAL CLAMPING COLLAR FOR MEMBRANE FLOORS, SEEPAGE OPENINGS, VANDAL RESISTANT STAINLESS STEEL ALLEN KEY SCREWS					
FS-1	MIFAB, FS1520-FL-150	MIFAB "MI-GARD" TRAP SEAL DEVICE,	---	---	SEE PLAN	---	2"	SEE PLAN	FLOOR SINK - 8"x8"x6"D, 3" PIPE, MEDIUM DUTY, SQUARE TOP ACID RESISTANT PORCELAIN ENAMEL COATED INTERIOR AND LOOSE SET GRATE, 1/2 GRATE, W/ ANCHOR FLANGE AND WEEP HOLES, BOTTOM ALUMINUM DOME STRAINER,					

PLUMBING ACCESSORY

ID	BASIS OF DESIGN		SPECIFICATION
	MANUFACTURER & MODEL	UTILITY CONNECTION	
ET-1	AMTROL, ST-5-C, "THERM-X-TROL"	3/4" CW	EXPANSION TANK - 2 GAL TOTAL CAPACITY, 150 PSI WORKING PRESSURE, 8"DIA x 14" H, 3/4" NPT THREADED CONNECTION, 10 LBS, PROVIDE FULL PORT ISOLATION BALL VALVE AT CONNECTION TO CW
RPZA-1	APOLLO VALVE, RPLFA-215-AF	1" CW	REDUCED PRESSURE ZONE ASSEMBLY - 1 INCH, LEAD FREE CAST BRASS, EASILY REMOVABLE MODULAR CHECK VALVE ASSEMBLIES, CAPTURED STAINLESS STEEL SPRINGS, BALL VALVE SHUT-OFFS W/ STAINLESS STEEL HANDLES AND UNIONS, WYE STRAINER INCLUDED, MODULAR RELIEF VALVE, 175 PSI MAX WORKING PRESSURE, 33F-180F TEMP RANGE, ALL PARTS, COMPONENTS, AND ASSEMBLIES MADE IN USA
TBV-1	CIRCUIT SOLVER, #CSJA-3/4-120-CV1	3/4" HWR	BALANCING VALVE -3/4", THERMOSTATIC, AUTOMATIC ACTUATION, LEAD FREE STAINLESS STEEL CONSTRUCTION, 120°F HWR, INCLUDES UNION WITH INTEGRAL CHECK VALVE, FULL PORT BALL VALVES IMMEDIATELY UPSTREAM AND DOWNSTREAM OF BALANCING VALVE
WCO	WADE, CLEANOUT TEE #8560-NH, CLEANOUT COVER #8394-COF3	3" SS	WALL CLEANOUT - 3" CLEANOUT TEE, CAST IRON FERRULE W/ ABS PLUG, ACCESS COVER - ROUND STAINLESS STEEL SECURE ACCESS COVER, COUNTERSUNK CENTER SCREW, 6" DIAMETER
FCO	WADE, 6000-1 SERIES	SAME SIZE AS LINE, MAX 4"	FLOOR CLEANOUT - SAME SIZE AS LINE, MAX. 4", HEAVY DUTY CAST IRON, FERRULE, THREADED ADJUSTABLE HOUSING, INTEGRAL CLAMPING COLLAR, ABS PLUG, 6-3/4"DIA ROUND SCORRIATED SECURE TOP WITH SATIN NICKEL-BRONZE FINISH
DCOTG	WADE, 6000-12 SERIES	SAME SIZE AS LINE, MAX 4"	CLEANOUT-TO-GRADE/DOUBLE-CLEANOUT-TO-GRADE - SAME SIZE AS LINE, MAX. 4 INCH, HEAVY DUTY CAST IRON, FERRULE, THREADED ADJUSTABLE HOUSING, INTEGRAL CLAMPING COLLAR, ABS PLUG, 7-1/8 INCH SQUARE HEAVY DUTY DUCTILE IRON TOP

PLUMBING EQUIPMENT

ID	BASIS OF DESIGN		ELECTRICAL				SPECIFICATION	
	MANUFACTURER & MODEL	UTILITY CONNECTIONS	CONNECTION TYPE	VOLTAGE	PHASE	POWER		AMPS
EW-1	RHEEM, #ELD30-TB	3/4" CW, 3/4" HW TANK DRAIN	HARDWIRED WITH GFCI PROTECTION	208 V	1	3 kW	14.5 FLA	ELECTRIC WATER HEATER - 30 GAL, 12 GPH @ 100°F RISE, 19"D x 47-1/2"H, TANK TYPE, HIGH-TEMP PORCELAIN ENAMEL TANK LINING, MAGNESIUM ANODE ROD RIGIDLY SUPPORTED, 150 PSI WORKING PRESSURE RATING, COPPER RESTORED SCREW-IN ELEMENTS, INSULATED WITH 2-1/2" RIGID POLYURETHANE FOAM, SURFACE MOUNTED THERMOSTATS WITH INTEGRAL MANUAL RESET, HIGH LIMIT CONTROL, CSA/ASME RATED T&P RELIEF VALVE, UL SEAL OF CERTIFICATION, COMPLETELY FACTORY ASSEMBLED
CP-1	TACO, #008-F6	3/4" HWR IN, 3/4" HWR OUT	PLBS	115 V	1	1/25 HP	79 A	HOT WATER CIRCULATOR PUMP - 4 GPM @ 13' HD, 6" x 3/4" x 6-3/8", CAST IRON CASING, ALUMINUM STATOR HOUSING, STAINLESS STEEL CARTRIDGE, NON-METALLIC IMPELLER, CERAMIC SHAFT, CARBON BEARINGS, EPDM O-RINGS/GASKETS, SELF LUBRICATING DIRECT DRIVE, REPLACEABLE CARTRIDGE DESIGN, NO MECHANICAL SEAL
AC-1	AIR COMPRESSOR - QUINCY #QGV150, FILTER - QUINCY #QMF-1250	3" CA	HARDWIRED	460 V	3	150 HP	191 A	VARIABLE SPEED ROTARY SCREW AIR COMPRESSOR - 150 HP, AIR COOLED UNIT, MAX PRESSURE 150 PSI, 660 CFM CAPACITY (FREE AIR DELIVERY), MIN 246 CFM CAPACITY PAD, 98% OF D DRIVE EFFICIENCY, <3 PPM RESIDUAL OIL CONTENT IN AIR, 76 Db(A) NOISE LEVEL, 546.672 CFH VENTILATION AIR DELIVERY @ 68F
AD-1	AIR DRYER - QUINCY #QPV5-1050, FILTER - QUINCY #QCF-1250	3" CA	HARDWIRED	460 V	3	6.11 kW	-	VARIABLE SPEED AIR DRYER - PRESSURE DEWPOINT 39F, 1081 CFM VOLUME FLOW, MAX PRESSURE 203 PSI, MIN AMBIENT TEMPERATURE 34F, 6.2 LBS R410A REFRIGERANT, INTEGRAL CONTROLLER, HIGH-EFFICIENCY HEAT EXCHANGER
AT-1	QUINCY #T1550V-165	3" CA	-	0 V	1	-	-	AIR RECEIVER TANK - 54"D x 174"H, STAINLESS STEEL VERTICAL RECEIVER TANK, 1550 GALLONS, MAWP 165 PSI AT 400F, SHIPPING WEIGHT 3037 LBS, SECTION VIII DIV 1 ASME COMPLIANT
BP-1	TOMLE WATNEY, TW1000-30W-40	1" CW IN, 1" CW OUT	HARDWIRED	208 V	3	1.1 HP	6.8 A	BOOSTER PUMP - 1 HP CENTRIFUGAL PUMP, 30 GPM @ 40 PSI DISCHARGE PRESSURE BOOST, PUMP - CAST IRON CASING W/ 3/4" SS IMPELLER, MOTOR TOTALLY ENCLOSED FAN COOLED, 3500 RPM @ 60HZ NOMINAL SPEED, LEAD FREE, INCLUDES VARIABLE FREQUENCY DRIVE WITH OPERATOR PANEL, EXPANSION TANK - WPLT-12, 2.8 GAL ACCEPTANCE VOLUME, 150 PSI MAX PRESSURE, 20 PSI AIR PRE CHARGE
VP-1	ATLAS COPCO, GVS 100 A	1" VAC	HARDWIRED	460 V	3	5 HP	-	VACUUM PUMP - ROTARY VANE AIR COOLED VACUUM PUMP, 5 HP, 60 CFM, MAX PRESSURE 29.88" Hg, 80 GAL TANK, 100% REDUNDANT, LOCAL MOUNTED CONTROL PANEL
VP-2	ATLAS COPCO, GVS 80 VSD	1" VAC	HARDWIRED	460 V	3	3 HP	-	VACUUM PUMP - ROTARY VANE AIR COOLED VACUUM PUMP, 3 HP, 30-45 CFM, MAX PRESSURE 29.88" Hg, 80 GAL GAL TANK, 100% REDUNDANT, VARIABLE SPEED DRIVE, LOCAL MOUNTED CONTROL PANEL

WATER HAMMER ARRESTOR

P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330
WADE "SHOCKSTOP" #4481 SERIES WATER HAMMER ARRESSTOR, SEAMLESS COPPER CONSTRUCTION, POLYPROPYLENE PISTON, (2) EPDM ORINGS, MNPT CONNECTION, MAX. PRESS. 350 PSI, MAX. TEMP. 250°F, PROVIDE PROPERLY SIZED WATER HAMMER ARRESSTORS AND LOCATE ON PIPING IMMEDIATELY UPSTREAM OF ALL QUICK CLOSING VLAVES (E.G. FLUSH VLAVES, DISHWASHER, ICE MAKERS, SOLENOID VALVES, ETC.)						

Project

Anduril Industries - McHenry, MS
Rocket Motor Systems
Additions and Renovations to Buildings 300, 301,
302, 400, and 600 - McHenry, Mississippi

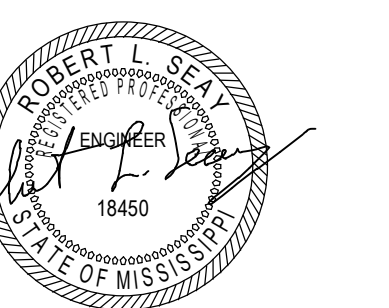
Design Phase

CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description
1	01-24-2024	RB 001
2	11-21-2024	RB 013

Stamp



Notes

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2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

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Sheet Title

PLUMBING SCHEDULES - ROBERTO - BUILDING 400

Sheet Number

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