

GENERAL PLUMBING NOTES:

1.

ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE, ALL FEDERAL, STATE, AND CITY CODES, ORDINANCES, AND STANDARDS.
2.

PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL NEW EQUIPMENT.
3.

PROVIDE OPERATION AND MAINTENANCE MANUALS FOR ALL NEW EQUIPMENT TO OWNER.
4.

IT IS THE INTENT OF THESE DOCUMENTS THAT THE CONTRACTOR PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND TOOLS FOR THE COMPLETE INSTALLATION OF ALL WORK SHOWN ON THE PLANS AND/OR DESCRIBED HEREIN, INCLUDING ALL DEVICES AND CONTROLS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.
5.

ALL WORK PROVIDED UNDER THIS CONTRACT INCLUDING ALL MECHANICAL EQUIPMENT, MATERIALS, AND LABOR SHALL BE PROVIDED WITH A 1 YEAR WARRANTY.
6.

THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. NOT ALL FITTINGS, OFFSETS, VENTS, OR DRAINS ARE SHOWN. THE CONTRACTOR SHALL INCLUDE ALL OFFSETS, VENTS, AND DRAINS AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM.
7.

PROVIDE UL RATED FIRE STOPPING AROUND ALL PIPES THAT PENETRATE REATED WALL AND/OR FLOORS PROVIDE CAULKED SEAL AROUND ALL DUCT AND/OR PIPING PENETRATIONS THROUGH NON RATED FULL HEIGHT WALLS TO MINIMIZE SOUND TRANSFER.
8.

WHERE PIPE CONNECTIONS ARE SHOWN CONNECTING TO EXISTING, CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND CONNECTION SIZES BY FIELD VERIFICATION PRIOR TO INSTALLATION. SLOPES AND INVERT ELEVATIONS OF EXISTING SEWER SHALL BE ESTABLISHED AND VERIFIED BY CONTRACTOR BEFORE ANY PIPING IS INSTALLED IN ORDER THAT PROPER SLOPE WILL BE MAINTAINED AND NECESSARY INVERT ELEVATIONS OBTAINED.
9.

ALL PIPING SHALL BE LABELED FOR ITS USAGE.
10.

ALL PIPES SHALL BE COORDINATED WITH OTHER NEW AND EXISTING DUCTS, PIPES, LIGHTS, STRUCTURAL SYSTEM, CEILING SUPPORTS AND FRAMING BEFORE INSTALLATION. MINOR PIPE OFFSETS SHALL BE PROVIDED AS REQUIRED. MEASUREMENTS FOR VERTICAL CLEARANCES SHALL BE TAKEN AT THE JOB SITE BEFORE INSTALLATION OF ANY PIPING.
11.

PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATION OF PIPES WITH ELECTRICAL PANELS WHEN SHOWN NEAR PANELS OR OVER ELECTRICAL ROOMS.
12.

PROVIDE NEW WALL CARRIERS FOR ALL NEW WALL HUNG EQUIPMENT INCLUDING LAVATORIES AND URINALS.
13.

CONTRACTOR SHALL COORDINATE WITH KITCHEN EQUIPMENT AND KITCHEN SINKS. PROVIDE ALL WATER, GAS, AND DRAINAGE SYSTEMS AS REQUIRED, COORDNATE PURCHASE AND INSTALLATION WITH OWNER AND GENERAL CONTRACTOR.
14.

REFER TO MECHANICAL CRAWL SPACE PLAN (M300) FOR SUMP PIT LOCATIONS AND PROVIDE CRAWL SPACE DRAIN AROUND BUILDING PERIMETER. FOUNDATION DRAINS SHALL BE ROUTED TO SUMP PIT/PUMP.

PLUMBING EQUIPMENT SCHEDULE:

FD	JOSAM #32100 FLOOR DRAIN, CAST IRON BODY WITH FLASHING COLLAR AND WEEPHOLES, CAST IRON 8" DIAMETER GRATE.
EWH-1	DRE-52-18, 50 GALLON, 18 KW, 208 V / 1 PH - 86.5 FLA, 74 GAL / HOUR RECOVERY @ 100°F, 3 X 6KW ELEMENTS.
EWH-2	(KITCHEN) - AO SMITH, DRE-52-24, 50 GALLON, 24 KW HEATER, HEAT RECOVERY: 99 GPM @ 100°F RISE, 208V / 3 PH
BFP-1	2" WATTS 009M2 REDUCED PRESSURE ZONE BACKFLOW PREVENTER, ASSE 1013; EPOXY COATED DUCTILE IRON BODY, FULL PORT GATE VALVES, NORYL SEAT RING AND CHECK VALVES, STAINLESS STEEL STEM. PROVIDE WITH AIR GAP FITTINGS.
CO	JOSAM CLEANOUT
	WALL CHROME FLUSH WALL PLATE, RECESSED PLUG.
	FLOOR (UNFINISHED) - SATIN NIKALOY BRONZE TOP, RECESSED PLUG.
	FLOOR (FINISHED) - RECESSED SATIN BRONZE TOP TO RECEIVE FLOOR FINISH MATERIAL (CARPET/TILE), RECESSED PLUG.
GI-1	GREASE INTERCEPTOR SHALL BE JOSAM 60100H SERIES ACID-RESISTING EPOXY COATED FABRICATED STEEL GREASE INTERCEPTOR, NO-HUB CONNECTIONS, INTERNAL TRAP, REMOVABLE BAFFLE, GASKETED NON-SKID COVER AND FLOW CONTROL FITTING, 100 GPM FLOW RATE.
EX-1	AMTROL THERM-X-TROL MODEL #ST-5 THERMAL EXPANSION TANK, 2.0 GALLONS MAXIMUM ACCEPTANCE VOLUME, BUTYL DIAPHRAM, FACTORY PRECHARGED AT 40 PSI, SET EQUAL TO LINE PRESSURE.
EX-2	AMTROL THERM-X-TROL MODEL #ST-5 THERMAL EXPANSION TANK, 2.0 GALLONS MAXIMUM ACCEPTANCE VOLUME, BUTYL DIAPHRAM, FACTORY PRECHARGED AT 40 PSI, SET EQUAL TO LINE PRESSURE.
CP	B&G SERIES PL-30 CIRCULATING PUMP, 1/6 HP., 115V/1PH, 2 GPM AT 17 FT. OF HEAD, ALL BRONZE CONSTRUCTION. RECIRCULATION SYSTEM IS TO FUNCTION AS A DEMAND RECIRCULATION WATER SYSTEM WITH CONTROLS THAT (1) STOP THE PUMP WHEN WATER IN THE CIRCULATION LOOP IS AT THE DESIRED TEMPERATURE; (2) START THE PUMP IN RESPONSE TO THE FLOW OF HOT WATER TO A FIXTURE, FITTING, OR APPLIANCE; AND (3) LIMITS THE TEMPERATURE OF WATER ENTERING THE COLD WATER PIPING TO 104°F.
SP	MODEL SPAC-257-ALM-P1, 1/3 HP SUMP PUMP, 18" X 22" POLYETHYLENE INJECTED MOLDED SUMP PIT AND COVER WITH GASKET AND HARDWARE, 1-1/2" SCHEDULE 40 PVC DISCHARGE PIPE, REFER TO MECHANICAL CRAWL SPACE (M300) FOR INSTALLATION LOCATIONS.
TD	TRENCH DRAIN, ZURN MODEL ZS890, 7" WIDE REVEAL TRENCH DRAIN SYSTEM WITH "V" BOTTOM. CHANNELS ARE 80" LONG, 7" WIDE AND HAVE A 4" THROAT. MODULAR CHANNEL SECTIONS ARE MADE OF 16 GA. FABRICATED STAINLESS STEEL CONFORMING TO ASTM A-240 (TYPE 304). CHANNELS HAVE 10GA. BOLTED, FLANGED CONNECTION BETWEEN CHANNEL SECTIONS THAT WILL NOT SEPARATE DURING THE INSTALLATION, GASKETS AVAILABLE. CHANNELS WEIGH LESS THAN 2.31 LBS. PER LINEAR FOOT, HAVE A SMOOTH, 1-1/2" RADIUS SELF CLEANING BOTTOM. CHANNELS HAVE FEET FOR PATTY POUR OR LEVELING STUDS STANDARD TO SECURE TRENCH IN ITS FINAL LOCATION. CHANNELS ARE PROVIDED WITH STANDARD FS GRATES THAT LOCK DOWN TO FRAME. ZURN 6" WIDE REVEAL FABRICATED STAINLESS STEEL GRATE CONFORMING TO ASTM SPECIFICATION A-240, (TYPE 304), IS RATED CLASS A PER THE DIN EN1433 TOP LOAD CLASSIFICATION. SUPPLIED IN 40" [1016MM] NOMINAL LENGTHS WITH 5/16" WIDE SLOTS, AND 3/4" BEARING DEPTH. GRATE HAS AN OPEN AREA OF 12.00 SQ. IN PER FT.
FS	FLOOR SINK, ZURN MODEL Z1900, 12"x12"x6" DEEP CAST IRON BODY AND SQUARE, LIGHT DUTY GRATE WITH 1/2" SLOTTED OPENINGS, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, WITH WHITE ABS ANTI SPLASH INTERIOR BOTTOM DOME STRAINER. PROVIDE WITH 1/2 GRATE TOP COVER.

PLUMBING FIXTURE SCHEDULE:

WC-1	WATER CLOSET: AMERICAN STANDARD "COLONY" MODEL #221CA-104, 1.28 GPF WATER-SAVING, VITREOUS CHINA ELONGATED BOWL & TANK, FLOOR MOUNTED, WHITE EXTRA HEAVY DUTY SOLID PLASTIC SEAT WITH COVER, CHECK HINGE, ADA COMPLIANT WITH HAND TRIP LEVER. WATERSENSE CERTIFIED.
L-1	WASH-WARE 3493, SOLID SURFACE 36" SEMI-CIRCULAR - THREE STATION - ADA/CBC COMPLIANT, DEEP BOWL WASHFOUNTAIN DEEP BOWL, INDIVIDUAL USER STATIONS, 0.35 GPM NOZZLE FLOW RATE TO SUPPORT LEED V4, HANDS-FREE CONTROLS, CERTIFIED MIXING VALVE, EASY ACCESS FOLD DOWN TRAP ENCLOSURE
L-2	AMERICAN STANDARD "LUCERNE" 0355.012 WHITE VITREOUS CHINA WALL HUNG HANDICAP LAVATORY, THREE HOLE MOUNT FOR 4" CENTERS, WITH MOEN 8413F05 CENTERSET CHROME FAUCET WITH SINGLE LEVER HANDLE, METAL GRID STRAINER, OFFSET PVC P-TRAP, FLEXIBLE TUBING SUPPLIES, COMPRESSION FITTINGS AND STOPS. PROVIDE TRUEBRO #102W PRE- MOLDED INSULATION ON BOTH WATER SUPPLIES AND DRAIN. PROVIDE WITH WALL CARRIER.
S-1	CLASSROOM SINK - ELKAY, MODEL CDKAD251765C, 25"x17"x6.5", 2 HOLE SINGLE BOWL DROP IN CLASSROOM ADA SINK WITH FAUCET AND BUBBLER KIT. PROVIDE FAUCET MODEL LKD208513LC, DRAIN KIT WITH STRAINER, AND BUBBLER MODEL LK1141A
S-2	WARMING KITCHEN SINK - ELKAY, MODEL DLR332210, LUSTERTONE CLASSIC STAINLESS STEEL 33"x22"x10" DOUBLE BOWL DROP IN SINK. PROVIDE WITHDRAIN STRAINER, AND SINGLE HOLE KITCHEN FAUCET WITH PULL OUT SPRAYER HEAD, ELKAY MODEL LKGT1041.
MS-1	FIAT MODEL MSB-2424, 24 INCH X 24 INCH X 10 INCH MOLDED STONE MOP SERVICE BASIN, WITH BUMPER GUARD, STAINLESS STEEL DRAIN BODY, COMBINATION S.S. DOME STRAINER AND LINT BASKET, FIAT 830-AA, SUPPLY FITTING WITH VACUUM BREAKER, FOUR ARM HANDLES, INTEGRAL STOPS, WALL BRACE, PAIL HOOK, THREADED SPOUT, RUBBER HOSE, WALL HOOK AND MOP HANGER.
PF-1	8" POT FILLER MIXING FAUCET, QUARTER-TURN ETERNA CARTRIDGES W/ SPRING CHECKS, LEVER HANDLES, 18" DOUBLE JOINT SWING NOZZLE, HEAT RESISTANT HANDLE & 1/2" NPT MALE INLETS
IMB-1	ICE MAKER BOX: OATEY 12K PLASTIC ICE MAKER UTILITY BOX WITH 1/2" PEX SWEAT CONNECTION.
WB-1	WASHER BOX: OATEY CENTRO II WASHER BOX, HW & CW CONNECTION, 2" DRAIN OUTLET, RECESSED MOUNTED.
EWV-1	ELECTRIC WATER COOLER, ELKAY EZH20 BOTTLE FILLER STATION WITH FILTERED BI-LEVEL COOLER. MODEL LZSTL8WS(VR)SP WITH HI/LO CONFIGURATION. UNIT SHALL DELIVER 8 GPH OF 50°F OF DRINKING WATER AT 90°F AMBIENT AND 80°F INLET WATER. PUSH BAR ACTIVATION. BOTTLE FILLING UNITS SHALL INCLUDE AN ELECTRONIC SENSOR FOR TOUCHLESS ACTIVATION WITH AN AUTOMATIC 20-SECOND SHUT-OFF TIMER. LED LIGHT ILLUMINATING THE WATER DISPENSING AREA, BRIGHTENING AS WATER IS BEING DISPENSED. SHALL INCLUDE A GREEN TICKER™ DISPLAYING COUNT OF PLASTIC BOTTLES SAVED FROM WASTE. BOTTLE FILLER SHALL PROVIDE A 1.1 GPM FLOW RATE WITH LAMINAR FLOW TO MINIMIZE SPLASHING. SHALL INCLUDE THE WATERSENTRY® PLUS 3000-GALLON CAPACITY FILTER, CERTIFIED TO NSF/ANSI 42 & 53, WITH VISUAL FILTER MONITOR TO INDICATE WHEN REPLACEMENT IS NECESSARY. UNIT SHALL AUTOMATICALLY DETECT A NEW FILTER AND RESET VISUAL FILTER MONITOR ACCORDINGLY. UNIT SHALL HAVE THE ABILITY TO TURN OFF REFRIGERATION SYSTEM AS NEEDED, IN ADDITION TO SELF DIAGNOSING SYSTEM ISSUES AND DISPLAY RELATED MESSAGES. SHALL INCLUDE INTEGRATED SILVER ION ANTI-MICROBIAL PROTECTION IN KEY AREAS. UNIT SHALL MEET ADA GUIDELINES. UNIT SHALL BE A LEAD-FREE DESIGN WHICH IS CERTIFIED TO NSF/ANSI 61 AND 372 AND MEETS FEDERAL AND STATE LOW-LEAD REQUIREMENTS.
HR-1	HOSE REEL: REGENCY MODEL# 600HRSS50NS, DURABLE STAINLESS STEEL REEL HOUSES 50' HOSE, ADJUSTABLE GUIDE ARM FOR PRECISE CONTROL, LOCKING MECHANISM FOR LOCKING AT PREFERRED LENGTH, 6 3/4" WIDE L-SHAPED BASE WITH GROOVE REINFORCEMENT TO ENSURE STABILITY, SPRING REDUCER
WH-1	WALL HYDRANT: ANTI-SIPHON, FREEZELESS TYPE, WOODFORD MODEL B65, CONCEALED BOX TYPE WITH ANTI-SIPHON VACCUM BREAKER, 3/4" INLET AND OUTLET. EXTERIOR SHALL BE ROUGH BRASS WITH KEY. COORDINATE LOCATIONS WITH WALL THICKNESS.

PLUMBING LEGEND

	GAS LINE
	SANITARY SEWER (W)
	VENT (V)
	COLD WATER (CW)
	HOT WATER (HW)
	HOT WATER RECIRCULATION
	STORM DRAIN (SD)
	DRAIN LINE
	ACID RESISTANT PIPE
	COMPRESSED AIR
	DIRECTION OF FLOW
	AIR CUSHION-PDI UNIT RATING
	PIPE ANCHOR
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BALANCING COCK
	HOSE BIB
	WALL HYDRANT
	CIRCUIT SETTER BALANCING VALVE
	UNION
	STRAINER
	BACKFLOW PREVENTER
	PRESSURE REDUCING VALVE
	AIR PRESSURE REGULATING VALVE
	PRESSURE RELIEF VALVE
	CAP
	FLEXIBLE CONNECTION
	ELBOW,90 DEGREES
	ELBOW,90 DEGREES -TURNED UP
	ELBOW,90 DEGREES -TURNED DOWN
	ELBOW,45 DEGREES
	TOP OF MAIN BRANCH CONNECTION
	BOTTOM OF MAIN BRANCH CONNECTION
	SIDE OF BRANCH CONNECTION
	FLOOR DRAIN
	CLEAN OUT IN FLOOR
	CLEAN OUT PLUG

	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK (EXISTING PIPING, OR EQUIPMENT)
	(NEW PIPING, OR EQUIPMENT)
	POINT OF DISCONNECTION OF EXISTING PIPING, OR EQUIPMENT (PIPING, OR EQUIPMENT TO REMAIN)
	(PIPING, OR EQUIPMENT TO BE REMOVED)



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CCCC PHASE 1

HISTORIC RENOVATION

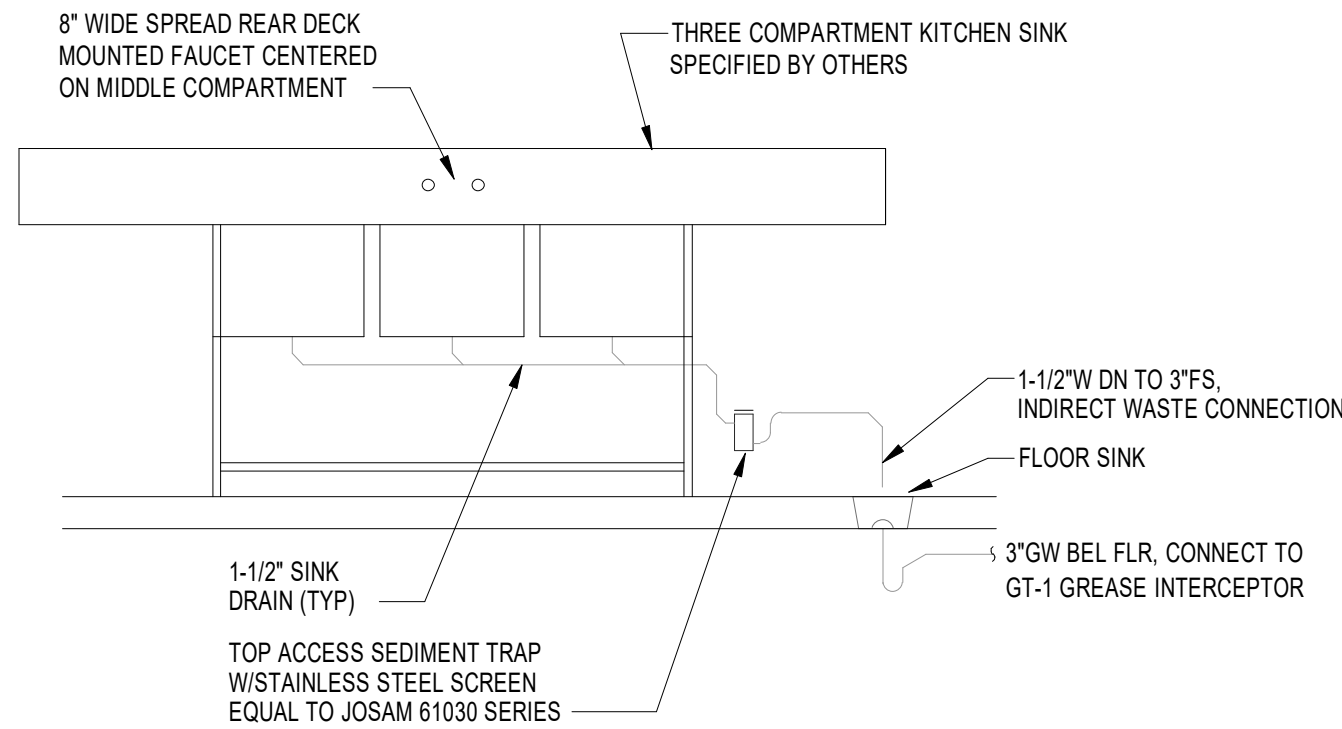
GENERAL NOTES & LEGEND

1 CORBIN HARRISON DRIVE
FOLKSBURG, VIRGINIA 24051

DRAWN BY	JNB
DESIGNED BY	JNB
CHECKED BY	JNB
DATE	08/08/2023
SCALE	12" = 1'-0"
REVISIONS	

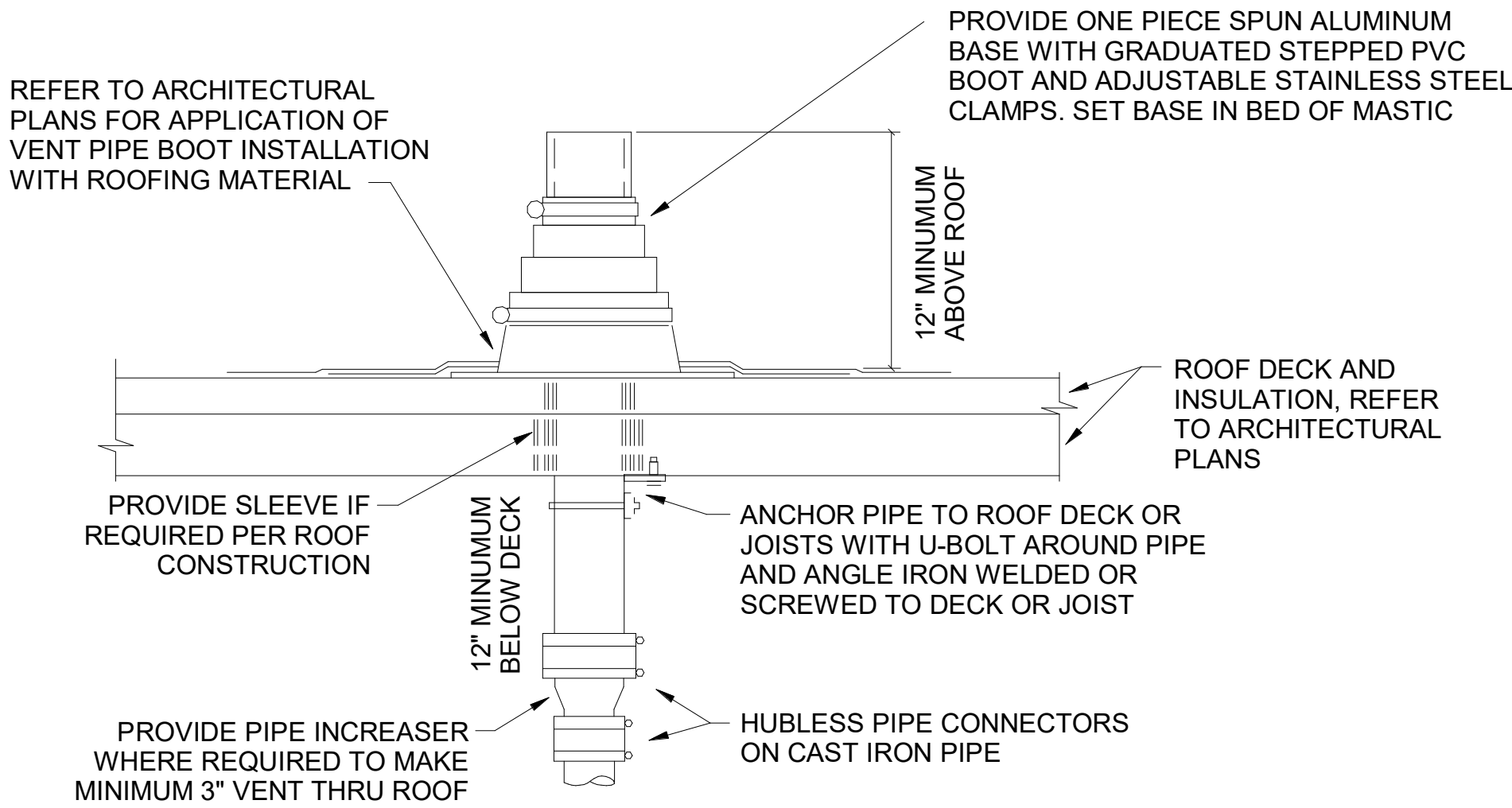
P101

PROJECT NO 23220008.00



GREASE WASTE AT 3-COMP SINK

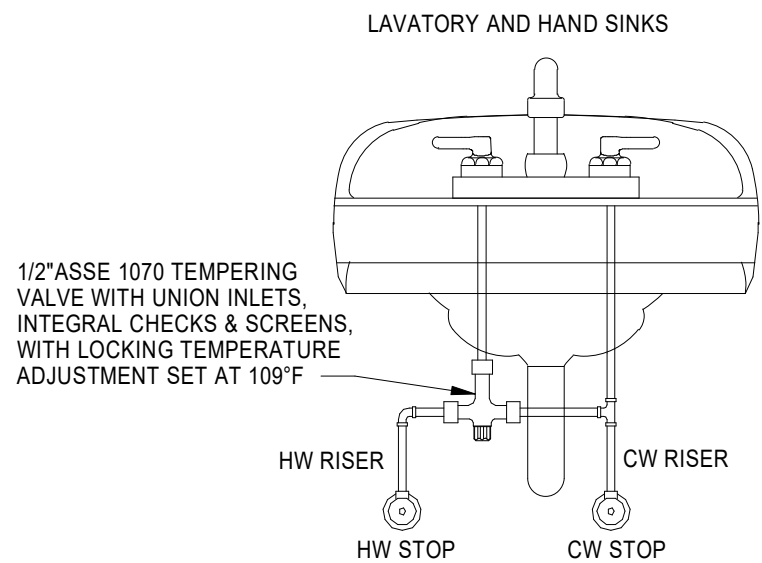
NO SCALE



REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR A MINIMUM OF 20 FEET HORIZONTAL (UNLESS APPROVED BY ENGINEER PRIOR TO INSTALLATION) OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. VERIFY FLASHING AND COUNTERFLASHING WITH ROOFING CONTRACTOR.

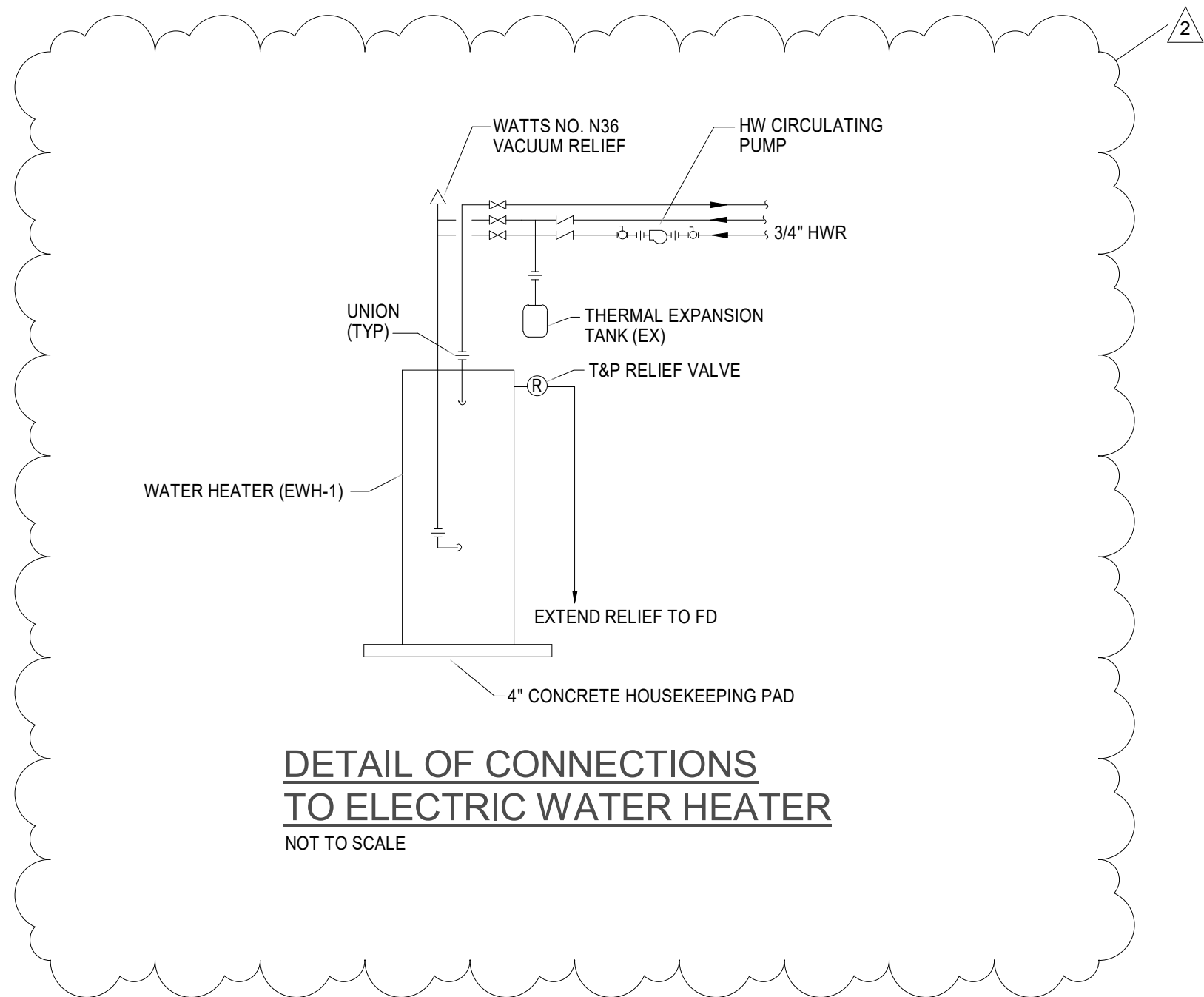
DETAIL -VENT THRU ROOF (VTR)

12" = 1'-0"



SINK TEMPERING VALVE DETAIL (TV)

NO SCALE



DETAIL OF CONNECTIONS TO ELECTRIC WATER HEATER

NOT TO SCALE



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CCCC PHASE 1
HISTORIC RENOVATION
PLUMBING DETAILS

DRAWN BY JNB
DESIGNED BY JNB
CHECKED BY JNB
DATE 08/08/2023
SCALE 12" = 1'-0"
REVISIONS
2 10-06-2023 3RD PARTY REVIEW COMMENTS

1 CORBIN-HARRISON DRIVE
FOLASK, VIRGINIA, 24051

P102

PROJECT NO 23220008.00

PLUMBING SPECIFICATIONS

1. GENERAL PROVISIONS:

1.A. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE, ALL FEDERAL, STATE, AND CITY CODES, ORDINANCES, AND STANDARDS.

1.B. THE PLANS ARE DIAGRAMMATIC IN NATURE AND BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO BE USED. INSTALLATION SHALL BE WITHIN THE LIMITATIONS IMPOSED BY THE ARCHITECTURAL, STRUCTURAL, HVAC, ELECTRICAL, AND PLUMBING REQUIREMENTS WITH ADEQUATE SPACE FOR MAINTENANCE.

1.C. GUARANTEE: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE AND CONTRACTOR SHALL MAKE GOOD, WITHOUT ADDITIONAL COST TO THE OWNER, ANY DEFECTS WHICH MAY APPEAR WITHIN THAT PERIOD. MANUFACTURER'S WARRANTIES EXTENDING BEYOND ONE YEAR SHALL BE PROCESSED AND TURNED OVER TO THE OWNER.

1.D. MAJOR ITEMS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INCIDENTAL ITEMS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.

1.E. A TRADE NAMES AND CATALOG NUMBERS SHALL BE INTERPRETED AS ESTABLISHING A GENERAL DESIGN AND STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION. UNLESS STATED OTHERWISE, THE CONTRACTOR MAY USE ANY ARTICLE WHICH, IN HIS JUDGEMENT, AND WITH WRITTEN COMMENT FROM THE ARCHITECT/ENGINEER INDICATING NO OBJECTION, IS EQUAL OR SUPERIOR TO THAT SPECIFIED. DRAWINGS SHOWING CHANGES OR REVISIONS REQUIRED BY THE SUBSTITUTION FOR SPECIFIED ITEMS SHALL BE SUBMITTED WITH THE SHOP DRAWING DATA, AND THE COSTS OF ALL SUCH CHANGES SHALL BE BORNE BY THE CONTRACTOR.

1.F. SIMILAR ITEMS SHALL BE PROVIDED BY A SINGLE MANUFACTURER.

1.G. ALL REQUIRED WALL OR FLOOR OPENINGS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND/OR OTHER RELEVANT TRADES.

1.H. ALL PIPING SHALL BE INSTALLED ABOVE THE CEILING UNLESS INDICATED OTHERWISE. ALL WATER PIPING AND P-TRAPS SHALL BE INSTALLED WITHIN THE BUILDINGS INSULATION ENVELOPE OR BE PROVIDED WITH A FREEZE PROTECTION SYSTEM.

1.I. PROVIDE SUPPORTS TO RIGIDLY ATTACH ALL EQUIPMENT, APPURTENANCES AND PIPE AS REQUIRED FOR SUPPORT. PRIOR TO INSTALLATION OF HANGERS AND INSERTS, THE CONTRACTOR SHALL COORDINATE LOCATIONS AND REQUIREMENTS TO MINIMIZE CONFLICTS WITH OTHER BUILDING SYSTEMS. INSTALLATION OF PIPE HANGERS AND SUPPORTS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURERS STANDARDIZATION SOCIETY (MSS) STANDARDS SP-58, 69 AND 89.

1.J. THE CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT INDICATED TO BE FURNISHED BY OTHERS.
2. SUBMITTAL AND SHOP DRAWINGS:

2.A. SUBMIT MANUFACTURER'S CERTIFIED DATA RELATIVE TO ALL EQUIPMENT, PIPING, CONTROLS, ETC. REQUIRED FOR THE INSTALLATION OF THE PLUMBING AND FIRE PROTECTION SYSTEMS. SUBMIT FOR REVIEW ALL NECESSARY ENGINEERING, PRODUCT AND INSTALLATION DATA, SHOP DRAWINGS, SAMPLES ETC. FOR ALL EQUIPMENT, MATERIAL, AND SYSTEMS TO ASCERTAIN COMPLIANCE WITH THE TECHNICAL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

2.B. SUBMIT A DIGITAL PDF OF ALL NECESSARY DATA, CUTS, MANUFACTURER'S SELECTIONS, CATALOGS, BULLETINS, INSTALLATION INSTRUCTIONS, DRAWINGS, DIAGRAMS, CURVES, ETC. CLEARLY INDICATE ON THE SUBMITTED DATA, THE MANUFACTURER'S NAME, PRODUCT NUMBER(S), OPTIONS, EQUIPMENT CAPACITY, DIMENSIONAL DATA, WEIGHTS, AND OTHER APPLICABLE TECHNICAL DATA FOR THE PROJECT.

2.C. TRADE NAMES, MANUFACTURERS, AND CATALOGUE NUMBERS ARE MENTIONED HEREIN AND ON THE DRAWINGS SOLELY IN ORDER TO ESTABLISH A STANDARD FOR THE TYPE, GENERAL DESIGN, AND QUALITY OF PRODUCT REQUIRED. OTHER PRODUCTS SIMILAR IN DESIGN OF EQUIVALENT QUALITY CAPABLE OF FITTING WITHIN THE SPACES ALLOCATED AND COMPLYING WITH THE DRAWINGS AND SPECIFICATIONS WILL BE CONSIDERED AFTER THE CONTRACT IS LET UNLESS "PRIOR APPROVAL" REQUIREMENTS ARE SET FORTH IN THESE DOCUMENTS.
- 2.D. REVIEW OF SUBMITTALS AND SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR FITTING THE EQUIPMENT IN THE SPACE ALLOTTED WITH SPACE FOR ALL CONNECTIONS AND SERVICING AND FOR THE COORDINATION OF THE WORK WITH WORK OF OTHER TRADES.

2.E. THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS AND SHOP DRAWINGS AND INDICATE BY STAMP OR LETTER THAT HE HAS REVIEWED THEM, BEFORE FORWARDING THEM TO THE ARCHITECT AND/OR ENGINEER. SUBMITTALS AND DRAWINGS WILL BE RETURNED AFTER REVIEW INDICATING WHETHER EXCEPTIONS ARE TAKEN, THE SUBMITTAL RETURNED WITH CORRECTIONS, OR IS COMPLETELY REJECTED. RESUBMISSION OF REVISED SUBMITTALS AND SHOP DRAWINGS, IF REQUIRED, SHALL BE DONE BEFORE INSTALLATION AND CONSTRUCTION IS BEGUN.

2.F. CORRECTIONS OR COMMENTS MADE ON THE SUBMITTALS AND DRAWINGS DURING THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THIS REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FABRICATION PROCESSES, TECHNIQUES OF CONSTRUCTION, COORDINATING THE WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING WORK IN A SAFE AND SATISFACTORY MANNER. REVIEW OF THE SUBMITTALS SHALL NOT PERMIT ANY DEVIATION FROM PLANS AND SPECIFICATIONS.
3. AS-BUILT DRAWINGS:

3.A. MAINTAIN DAILY UPDATED DRAWINGS SHOWING DEVIATIONS FROM CONSTRUCTION DOCUMENTS. AT THE END OF THE PROJECT, PROFESSIONALLY PREPARE AS-BUILT DRAWINGS AND SUBMIT DRAWINGS TO THE ARCHITECT/ENGINEER.
4. OPERATION AND MAINTENANCE MANUALS:

4.A. UPON COMPLETION OF THE PROJECT, SUBMIT ALL OPERATION AND MAINTENANCE MANUALS, WARRANTIES, SPARE PARTS LIST, AS-BUILT DRAWINGS, TEST AND BALANCE REPORTS, AND LETTER OF GUARANTEE ALL BOUND IN THREE RING BINDERS, CLEARLY SHOWING WHICH EQUIPMENT WAS SUPPLIED TO THE JOB.
5. PIPING SPECIALTIES:

5.A. ACCESS DOORS: ACCESS DOORS SHALL BE PROVIDED FOR ALL CONCEALED VALVES, CONTROLS, AND ANY OTHER EQUIPMENT OR MATERIALS REQUIRING INSPECTION OR MAINTENANCE. ACCESS DOORS SHALL BE FURNISHED FOR FLOORS, WALLS AND CEILINGS, OF ADEQUATE SIZE SO THAT CONCEALED ITEMS WILL BE READILY ACCESSIBLE FOR SERVICING OR FOR REMOVAL AND REPLACEMENT IF NECESSARY.

5.B. PIPE ESCUTCHEONS: INSTALL PIPE ESCUTCHEONS ON EACH PIPE PENETRATION THRU FLOORS, WALLS PARTITIONS, AND CEILINGS WHERE PENETRATION IS EXPOSED TO VIEW AND ON EXTERIOR OF BUILDING. SECURE ESCUTCHEON TO PIPE OR INSULATION SO ESCUTCHEON COVERS PENETRATION HOLE, AND IS FLUSH WITH ADJOINING SURFACE. PROVIDE SHEET STEEL ESCUTCHEONS, SOLID OR SPLIT HINGED. FOR AREAS WHERE WATER AND CONDENSATION CAN BE EXPECTED TO ACCUMULATE, PROVIDE CAST BRASS OR SHEET BRASS ESCUTCHEONS, SOLID OR SPLIT HINGED.

5.C. PIPE SLEEVES: INSTALL PIPE SLEEVES WHERE PIPING PASSES THROUGH WALLS, FLOORS, CEILINGS, AND ROOFS. DO NOT INSTALL SLEEVES THROUGH STRUCTURAL MEMBERS OF WORK, EXCEPT AS DETAILED ON DRAWINGS, OR AS REVIEWED BY ARCHITECT/ENGINEER. SIZE SLEEVES SO THAT PIPING AND INSULATION (IF ANY) WILL HAVE FREE MOVEMENT IN SLEEVE, INCLUDING ALLOWANCE FOR THERMAL EXPANSION; BUT NOT LESS THAN 2 PIPE SIZES LARGER THAN PIPING RUN. INSTALL LENGTH OF SLEEVE EQUAL TO THICKNESS OF CONSTRUCTION PENETRATED, AND FINISH FLUSH TO SURFACE; EXCEPT FLOOR SLEEVES. EXTEND FLOOR SLEEVES 1/4 INCH ABOVE LEVEL FLOOR FINISH, AND 3/4 INCH ABOVE FLOOR FINISH SLOPED TO DRAIN. PROVIDE TEMPORARY SUPPORT OF SLEEVES DURING PLACEMENT OF CONCRETE AND OTHER WORK AROUND SLEEVES, AND PROVIDE TEMPORARY CLOSURE TO PREVENT CONCRETE AND OTHER MATERIALS FROM ENTERING SLEEVES.

5.D. WATER HAMMER ARRESTORS (WHA): PROVIDE AT ALL FAST OPENING WATER VALVES INCLUDING WATER CLOSETS, URINALS, AND CLOTHES WASHERS. SHALL BE ZURN MODEL 1260XL OR EQUIVALENT AND SHALL BE SIZED AND PLACED WITHIN THE SYSTEM AS RECOMMENDED BY THE MANUFACTURER.
6. INSULATION:

6.A. FLAME/SMOKE RATINGS: PROVIDE COMPOSITE PLUMBING INSULATION (INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES) WITH FLAME-SPREAD RATING OF 25 OR LESS, AND SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 METHOD. INSULATION SHALL BE LABELED BY THE MANUFACTURER. THE LABEL SHALL INDICATE THE INSULATING VALUE, FLAME SPREAD AND SMOKE-DEVELOPED RATING.

6.B. INSTALLATION: INSULATION SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS USING ONLY ADHESIVES, MASTICS AND PLUMBING FASTENERS APPROVED BY THE INSULATION MANUFACTURER. INSULATION SHALL NOT BE APPLIED UNTIL AFTER THE EQUIPMENT HAS BEEN TESTED WITH RESULTS ACCEPTABLE TO THE ARCHITECT/ENGINEER. INSULATION WITH A VAPOR BARRIER JACKET SHALL BE APPLIED WITH A CONTINUOUS, UNBROKEN VAPOR SEAL AND ALL JOINTS SHALL BE SEALED WITH A VAPOR BARRIER ADHESIVE UNLESS OTHERWISE INDICATED. STAPLES, STICK CLIPS AND HANGERS SHALL BE VAPOR SEALED WHERE THEY PUNCTURE VAPOR BARRIER JACKETS.

6.C. MATERIALS:

6.C.A GLASS FIBER PIPE INSULATION: HEAVY DENSITY PREFORMED PIPE INSULATION WITH OPERATING TEMPERATURE RANGE OF -60 DEGREES F TO 350 DEGREES F, THERMAL CONDUCTIVITY "K"=0.24 BTU-IN/HOUR-SF-DEG F AT 100 DEGREES F, FACTORY APPLIED JACKET (ASJ) SHALL CONSIST OF WHITE KRAFT PAPER BONDED TO ALUMINUM FOIL AND REINFORCED WITH GLASS FIBER YARN. EQUAL TO OWENS-CORNING ASJ.

6.C.B.CELLULAR FOAM PIPE INSULATION: TUBULAR, FLEXIBLE, FIRE RESISTANT INSULATION WITH OPERATING TEMPERATURE RANGE OF -40 DEGREES F TO 220 DEGREES F, THERMAL CONDUCTIVITY "K"=0.27 BTU-IN/HOUR-SF-DEG F AT 75 DEGREES F. NO JACKET REQUIRED. EQUAL TO ARMSTRONG ARMAFLEX AP.

6.C.C.A POLYETHYLENE PIPE INSULATION: INSULATION MATERIALS CORPORATION OF AMERICA (IMCOA), FLEXIBLE CLOSED CELL POLYETHYLENE TUBING, ASTM C534, "K"=0.24 AT 75 DEGREES F, SERVICE TEMPERATURE -110F TO 210F. NO JACKET REQUIRED.

6.D. OMIT INSULATION ON EXPOSED PLUMBING FIXTURE RUNOUTS FROM FACES OF WALL OR FLOOR TO FIXTURE; ON UNIONS, FLANGES, STRAINERS, FLEXIBLE CONNECTIONS, AND EXPANSION JOINTS.

6.E. COVER VALVES, FITTINGS AND SIMILAR ITEMS IN EACH PIPING SYSTEM WITH EQUIVALENT THICKNESS AND COMPOSITION OF INSULATION AS APPLIED TO ADJOINING PIPE RUN.

6.F. ALL DOMESTIC WATER PIPING ABOVE GROUND INCLUDING COLD, HOT, AND HOT WATER RE-CIRCULATING PIPING SHALL BE INSULATED WITH A MINIMUM 1/2" THICK INSULATION.
7. PLUMBING PIPING:

7.A. DOMESTIC WATER PIPING SHALL BE COPPER TUBE AND FITTINGS IN ACCORDANCE WITH ASTM B88, TYPE L HARD DRAWN COPPER. JOINTS SHALL BE MADE WITH LEAD FREE SOLDER.

7.B. STORM, SOIL, WASTE, AND VENT PIPING BELOW GRADE SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS. PVC SCHEDULE 40 PIPE SHALL BE IRON PIPE SIZE (IPS) CONFORMING TO ASTM D 1785. INJECTION MOLDED PVC SCHEDULE 40 FITTINGS SHALL CONFORM TO ASTM D 2466. PIPE AND FITTINGS SHALL BE MANUFACTURED AS A SYSTEM AND BE THE PRODUCT OF ONE MANUFACTURER. PIPE AND FITTINGS SHALL CONFORM TO NSF INTERNATIONAL STANDARD 61 AND THE HEALTH-EFFECTS PORTION OF NSF STANDARD 14.

7.C. STORM, SOIL, WASTE, AND VENT PIPING ABOVE GRADE SHALL BE HUBLESS CAST IRON TYPE DESIGNED FOR SAID APPLICATION. HUBLESS CAST IRON PIPE AND FITTINGS SHALL BE MANUFACTURED FROM GRAY CAST IRON AND SHALL CONFORM TO ASTM A 888 AND CISPI STANDARD 301. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE® AND LISTED BY NSF® INTERNATIONAL. HUBLESS COUPLINGS SHALL CONFORM TO CISPI STANDARD 310, SHALL BE MANUFACTURED IN THE UNITED STATES, AND BE CERTIFIED BY NSF® INTERNATIONAL.

7.D. CONDENSATE DRAINS SHALL BE TYPE L HARD DRAWN COPPER. JOINTS SHALL BE MADE WITH LEAD FREE SOLDER.
- 7.E. SLOPE ALL DRAIN LINES AT 1/4 INCH PER FOOT FOR SIZES LESS THAN 4 INCHES. SLOPE AT 1/8 INCH PER FOOT FOR SIZES 4 INCH AND LARGER.

7.F. SOIL, WASTE, AND VENT PIPING BELOW GRADE SHALL BE A MINIMUM OF 2 INCH AND SHALL BE PROVIDED WITH METALLIC TRACING/DETECTION WIRE.

7.G. VENTS SHALL EXTEND A MINIMUM OF 12 INCHES ABOVE THE ROOF. ROOF FLASHING SHALL BE PROVIDED AND COORDINATED WITH THE GENERAL AND ROOFING CONTRACTORS.

7.H. TRENCHING AS REQUIRED FOR UNDERGROUND PIPING SHALL BE GRADED TO UNIFORM PITCH AND SHALL BE NO WIDER THAN NECESSARY FOR PIPING INSTALLATION. CLEAN BACKFILL SHALL BE USED AND THOROUGHLY TAMPED IN LAYERS NOT EXCEEDING 6 INCHES TO A MINIMUM DEPTH OF 1 FOOT ABOVE PIPE. COMPACTED BACKFILL SHALL BE USED FOR THE ENTIRE DEPTH OF EXCAVATION UNDER SLAB ON GRADE CONSTRUCTION.

7.I. NATURAL GAS SYSTEMS: PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE, ASTM A120/A53-CW OR ASTM/A53 GRADE B (WELDED OR SEAMLESS); WROUGHT STEEL BUTTWELDING FITTINGS. GAS COCKS 2 INCHES AND SMALLER SHALL BE RATED FOR 150 PSI, NON SHOCK WOG, BRONZE STRAIGHTWAY COCK, FLAT OR SQUARE HEAD, WITH THREADED ENDS. ALL GAS PIPING CONNECTIONS SHALL BE PROVIDED WITH A 6 INCH DIRT TRAP, UNION, AND GAS COCK SHUT OFF VALVE. ALL JOINTS SHALL BE SEALED WITH CHEMICALLY RESISTANT SEALER APPLIED TO MALE THREADS OF PIPE CONNECTION. GAS PIPING SHALL BE INSTALLED WITH A 1/64 INCH PER FOOT DOWNWARD SLOPE IN THE DIRECTION OF FLOW. A ROLLER BEARING TYPE PIPE SUPPORT SHALL BE USED TO SUPPORT ALL GAS PIPING LOCATED ON THE ROOF. SUPPORTS SHALL HAVE A POLYCARBONATE BASE, WITH PIPE RESTING ON A SELF LUBRICATING POLYCARBONATE RESIN AXLE AND ROLLER AND BE SIZED FOR THE PIPE BEING SUPPORTED. MAXIMUM SPACING SHALL NOT EXCEED 10FT.
8. PLUMBING FIXTURES, PUMPS, AND WATER HEATERS SHALL BE PROVIDED AND INSTALLED AS PER THE PLUMBING FIXTURE SCHEDULE. ALL EXPOSED FIXTURE SUPPLIES AND WASTE LINES SHALL BE CHROME PLATED. NO EXPOSED COPPER, PVC, AND/OR CAST IRON IS ALLOWED.

9. CLEANOUTS SHALL BE THE SAME SIZE AS LINE SERVED, BUT NOT LARGER THAN 4 INCHES, AND SHALL BE PROVIDED AT THE BASE OF EACH SOIL AND WASTE STACK, AT ALL POINTS WHERE DIRECTION CHANGE IS MORE THAN 45 DEGREES, AT MINIMUM INTERVALS OF 50 FEET FOR 4 INCH AND SMALLER PIPING, AT MINIMUM INTERVALS OF 100 FEET FOR PIPING LARGER THAN 4 INCHES, AS REQUIRED BY CODE AND AS INDICATED ON THE DRAWINGS. COVERS SHALL BE SET FLUSH WITH FLOOR OR WALL.
10. PLUMBING VALVES

10.A. PROVIDE SHUT-OFF VALVE AND UNION OR EQUIVALENT AT EACH HOT AND COLD WATER EQUIPMENT CONNECTION. PROVIDE SHUTOFF VALVE ON EACH BRANCH OR RISER THAT SERVES TWO OR MORE PLUMBING FIXTURES.

10.B. GATE VALVES 2-1/2 INCHES AND SMALLER: ALL BRONZE, RISING STEM, SOLID WEDGE DISC. STOCKHAM B-100 OR B-108.

10.C. GLOBE VALVES: ALL BRONZE, RENEWABLE COMPOSITION DISC. STOCKHAM B-16 OR B-14-T.

10.D. CHECK VALVES IN HORIZONTAL PIPES: 2 INCHES AND SMALLER: ALL BRONZE, REGRINDING BRONZE DISC, HORIZONTAL SWING, Y- PATTERN. STOCKHAM B-319OR B-309.

10.E. CHECK VALVES IN VERTICAL PIPES AND PUMP DISCHARGE: SILENT CHECK VALVE WITH SEMI-STEEL BODY, BRONZE TRIM AND STAINLESS STEEL SPRING. METRAFLEX 700 SERIES.

10.F. BALL VALVES MAY BE USED IN LIEU OF GATE VALVES 2 INCHES AND SMALLER. BALL VALVES SHALL HAVE BRONZE BODY, BRONZE BALL AND TFE SEATS AND SEALS. STOCKHAM S-216BRRT OR S-216BRRS.
11. CLEANING AND TESTING

11.A. ALL WATER PIPING, VALVES, ETC. SHALL BE THOROUGHLY FLUSHED OF FOREIGN MATTER AND TESTED FOR LEAKS IN ACCORDANCE WITH THE PLUMBING AND BUILDING CODE, LATEST EDITION. ANY LEAKAGE SHALL BE REPAIRED. DISINFECT DOMESTIC WATER PIPING INCLUDING WATER SERVICE PIPING IN ACCORDANCE WITH AWWA C601.

11.B. ALL DRAIN, WASTE AND VENT PIPING SHALL BE TESTED FOR LEAKS IN ACCORDANCE WITH THE PLUMBING AND BUILDING CODE CODE, LATEST EDITION. NO VISIBLE DROP IN WATER LEVEL WILL BE ACCEPTABLE.

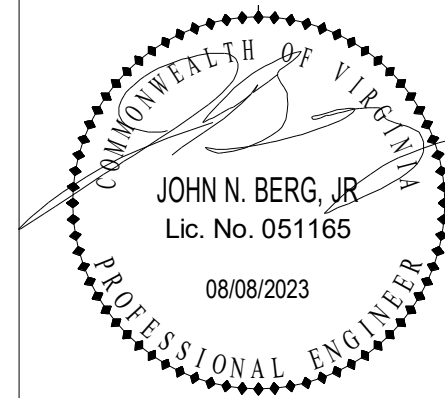


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Christiansburg, VA 24073
540.381.4290



CCCC PHASE 1
HISTORIC RENOVATION
SPECIFICATIONS

1 CORBIN HARMON DRIVE
FLORENCE, VIRGINIA, 24501

DRAWN BY	JNB
DESIGNED BY	JNB
CHECKED BY	JNB
DATE	08/08/2023
SCALE	
REVISIONS	

P103

PROJECT NO 23220008.00

END OF PLUMBING SPECIFICATIONS



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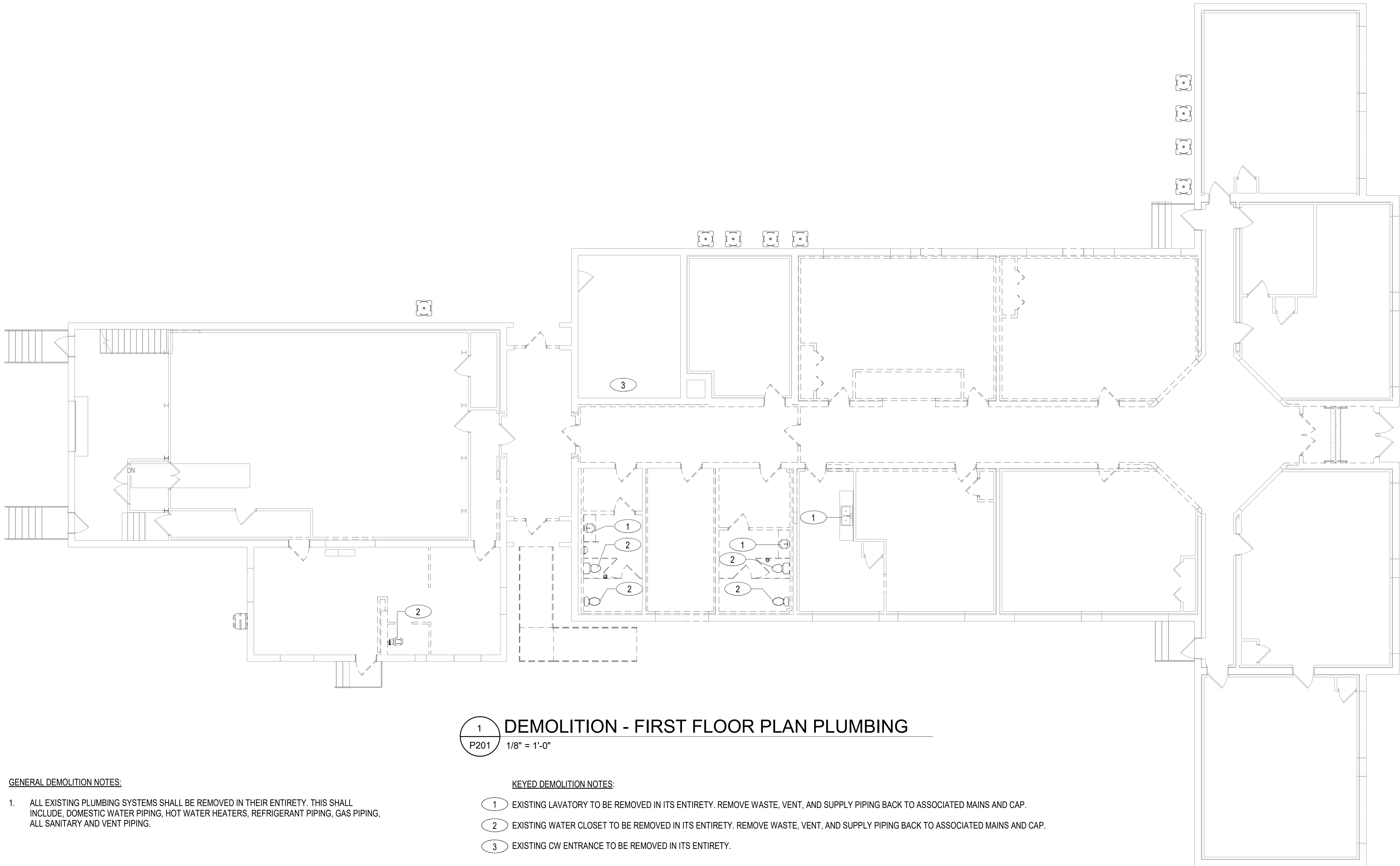


CCCC PHASE 1
HISTORIC RENOVATION
PLUMBING DEMOLITION PLAN

1 CORBIN-HARRISON DRIVE
FOLASKI, VIRGINIA, 24051

DRAWN BY JNB
DESIGNED BY JNB
CHECKED BY JNB
DATE 08/08/2023
SCALE 1/8" = 1'-0"
REVISIONS

P201
PROJECT NO 23220008.00



DEMOLITION - FIRST FLOOR PLAN PLUMBING

1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

- ALL EXISTING PLUMBING SYSTEMS SHALL BE REMOVED IN THEIR ENTIRETY. THIS SHALL INCLUDE, DOMESTIC WATER PIPING, HOT WATER HEATERS, REFRIGERANT PIPING, GAS PIPING, ALL SANITARY AND VENT PIPING.

KEYED DEMOLITION NOTES:

- EXISTING LAVATORY TO BE REMOVED IN ITS ENTIRETY. REMOVE WASTE, VENT, AND SUPPLY PIPING BACK TO ASSOCIATED MAINS AND CAP.
- EXISTING WATER CLOSET TO BE REMOVED IN ITS ENTIRETY. REMOVE WASTE, VENT, AND SUPPLY PIPING BACK TO ASSOCIATED MAINS AND CAP.
- EXISTING CW ENTRANCE TO BE REMOVED IN ITS ENTIRETY.

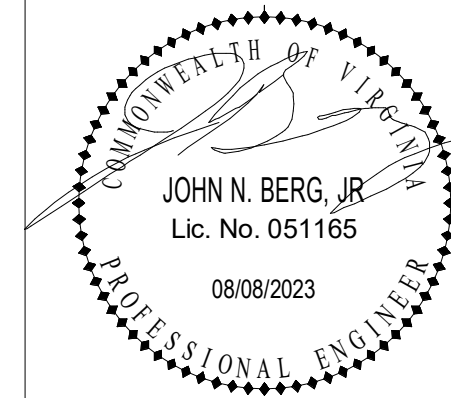


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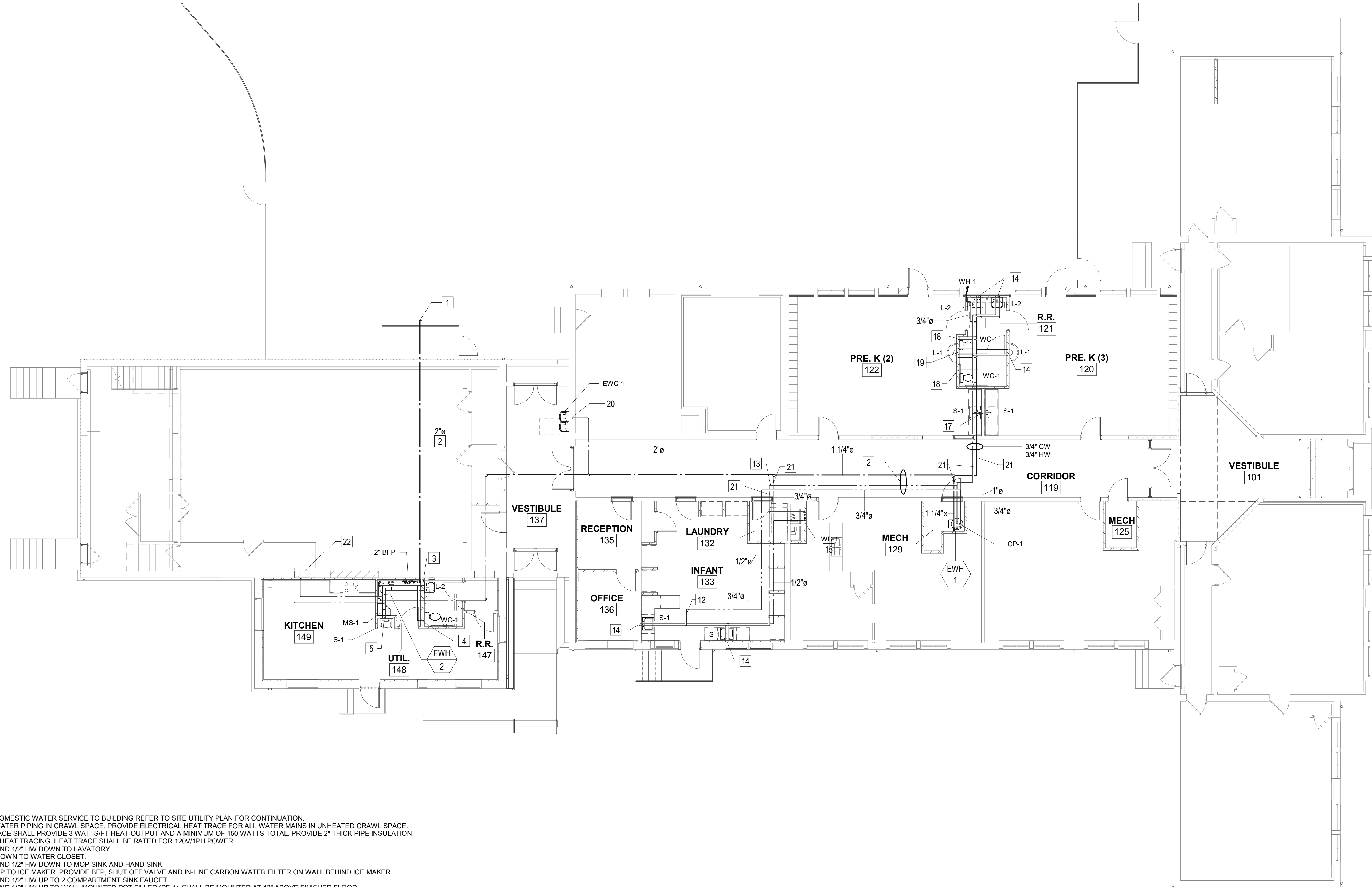
CCCC PHASE 1
HISTORIC RENOVATION
FIRST FLOOR PLUMBING - WATER

1 CORBIN HARRISON DRIVE
FOLASKI, VIRGINIA, 24071

DRAWN BY JNB
DESIGNED BY JNB
CHECKED BY JNB
DATE 08/08/2023
SCALE 1/8" = 1'-0"
REVISIONS

P301

PROJECT NO 23220008.00



KEYED NOTES:

- NEW 2" DOMESTIC WATER SERVICE TO BUILDING REFER TO SITE UTILITY PLAN FOR CONTINUATION.
- ROUTE WATER PIPING IN CRAWL SPACE. PROVIDE ELECTRICAL HEAT TRACE FOR ALL WATER MAINS IN UNHEATED CRAWL SPACE. HEAT TRACE SHALL PROVIDE 3 WATTS/FT HEAT OUTPUT AND A MINIMUM OF 150 WATTS TOTAL. PROVIDE 2" THICK PIPE INSULATION AROUND HEAT TRACING. HEAT TRACE SHALL BE RATED FOR 120V/1PH POWER.
- 1/2" CW AND 1/2" HW DOWN TO LAVATORY.
- 1/2" CW DOWN TO WATER CLOSET.
- 1/2" CW AND 1/2" HW DOWN TO MOP SINK AND HAND SINK.
- 1/2" CW UP TO ICE MAKER. PROVIDE BFP. SHUT OFF VALVE AND IN-LINE CARBON WATER FILTER ON WALL BEHIND ICE MAKER.
- 1/2" CW AND 1/2" HW UP TO 2 COMPARTMENT SINK FAUCET.
- 1/2" CW AND 1/2" HW UP TO WALL MOUNTED POT FILLER (PF-1). SHALL BE MOUNTED AT 42" ABOVE FINISHED FLOOR.
- 1/2" CW AND 1/2" HW UP TO KITCHEN HAND SINK.
- 1/2" CW AND HW UP TO 3 COMPARTMENT SINK FAUCET.
- 1/2" HW UP TO DISHWASHER.
- BALANCING VALVE AND CHECK VALVE IN HOT WATER RECIRC LINE.
- ROUTE WATER PIPING FROM CRAWLSPACE TO CLASSROOM FIXTURES IN FLOOR SLAB. PROVIDE PIPE TRENCHING AS NEEDED.
- 1/2" CW AND HW UP TO SINK.
- 1/2" CW AND HW UP TO LAUNDRY WASHER BOX. PROVIDE FLEXIBLE HOSES FROM WASHER BOX TO CLOTHES WASHER.
- 1/2" CW UP TO WATER CLOSET AND 1/2" CW TO WATER COOLER.
- 3/4" CW AND HW UP FROM CRAWLSPACE. CONNECT 1/2" CW AND HW TO EACH SINK.
- 1/2" CW UP FROM CRAWLSPACE TO WATER CLOSET.
- 3/4" CW UP FROM CRAWLSPACE. CONNECT 1/2" CW TO EACH WATER CLOSET.
- 1/2" CW UP TO WATER COOLER.
- PROVIDE SHUTOFF VALVE.
- 1/2" CW & 1/2" HW TO 3-COMPARTMENT SINK.

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P301

FIRST FLOOR PLAN - PLUMBING - WATER

1/8" = 1'-0"

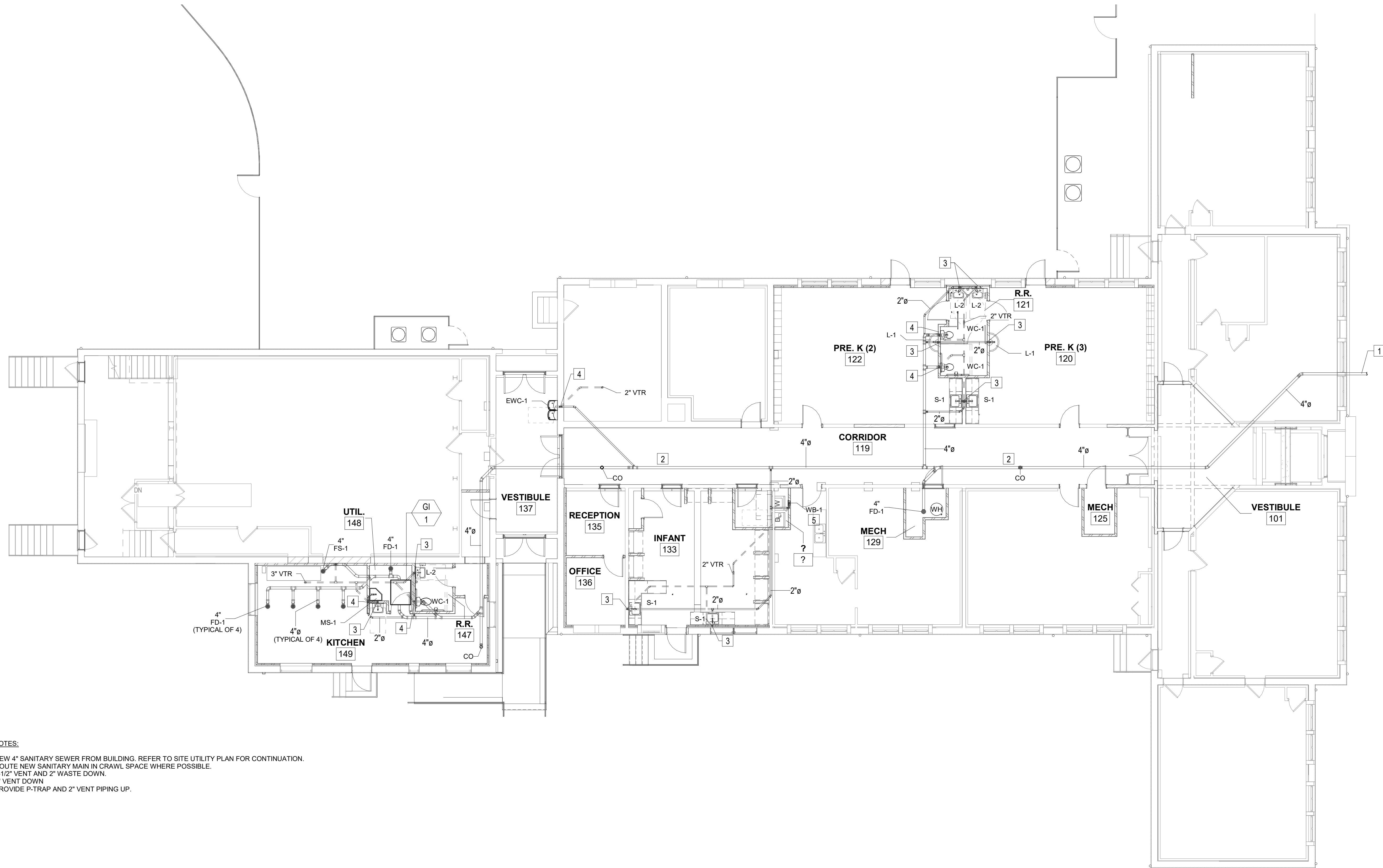


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KEYED NOTES:

1. NEW 4" SANITARY SEWER FROM BUILDING. REFER TO SITE UTILITY PLAN FOR CONTINUATION.
2. ROUTE NEW SANITARY MAIN IN CRAWL SPACE WHERE POSSIBLE.
3. 1-1/2" VENT AND 2" WASTE DOWN.
4. 2" VENT DOWN
5. PROVIDE P-TRAP AND 2" VENT PIPING UP.

1
P302

FIRST FLOOR PLAN - PLUMBING - WASTE & VENT

1/8" = 1'-0"

CCCC PHASE 1

HISTORIC RENOVATION

FIRST FLOOR PLUMBING - WASTE & VENT

1 CORBIN-HARRISON DRIVE
FOLASK, VIRGINIA, 24071

DRAWN BY JNB
DESIGNED BY JNB
CHECKED BY JNB
DATE 08/08/2023
SCALE 1/8" = 1'-0"
REVISIONS

P302

PROJECT NO 23220008.00