DIVISION 15A - PLUMBING

- 1.1 DESCRIPTION OF THE WORK
- A. Work under this section includes, but is not necessarily limited to, demolistion and/or furnishing and installing the following:
- 1. Plumbing fixtures, water heaters, and any other
- equipment necessary. 2. Cold and hot water piping and insulation.
- DWV piping. 4. Connection of all equipment; drain, vent,
- B. All work under this contract shall be installed in compliance with the latest edition of the following codes and standards
- insofar as they apply. 1. The National Electrical Code.
- 2. 2018 N.C. Building Code: Plumbing, and all applicable category codes. 3. American Society of Sanitary Engineering Standard 1010.
- 4. All local codes and ordinances.
- C. These codes are minimum standards. If codes require a more stringent method of construction than the specifications require, the codes shall govern.
- D. The Plumbing Contractor shall be licensed in the State of North Carolina and have all local licenses required for the work.
- E. Obtain all permits, licenses, inspections, etc., required for the work,
- and pay for the same. 1.2 INTENT
- A. The intent of these specifications and accompanying drawings is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The Plumbing Contractor shall take this into consideration and include in his base bid allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost to the Owner. The PC shall determine and coordinate with existing conditions.
- 1.3 COORDINATION
- A. Coordinate work with other contractors. Notify Architect of apparent conflicts early to expedite construction. If structural damage appears imminent, stop work and notify
- Architect for a decision before resuming operations. B. Locations shown are approximate. The Plumbing Contractor shall refer to the architectural drawings for placement of equipment, fixtures, etc. Where locations are not clear, the Contractor shall obtain the exact locations from the Architect.
- C. Coordinate all exterior piping connections w/Architect, site contractor/plans. Verify manhole elevations and provide backwater valves as required if flood level rims are below next upstream manhole cover elevation. Fixtures with flood level rims above upstream manhole shall not discharge thru bw valve. Notify engineer of backwater valve requirement, any issue prior to bid.
- 1.4 SHOP DRAWINGS
- A. Shop drawings shall be submitted for plumbing fixtures and for pipe. These may consist of the manufacturer's standard catalog or tear sheets and shall have the exact items being offered clearly

PART 2 - PRODUCTS

2.1 FIXTURES

BRONZE STRAINER

WITH FLANGE -

RECESS FLOOR DRAIN

CONCRETE FLOOR SLAB -

P-I / SCALE: NTS

INTO CONCRETE

- A. Each fixture shall be properly supported from the building structure as required to the end effect that all fixtures and accessories will be held rigidly in place. Water pipes supplying the fixtures must also be held rigidly in place.
- B. Provide loose key angle stops and chrome plated supply pipe
- water supplies to fixtures. C. All exposed piping traps and accessories for fixtures shall be chrome plated. Provide chrome plated escutcheon plates

FDR DETAIL

- where pipes enter walls. D. Provide shutoff valves for all sinks, water heaters, toilets, washing machines,
- refrigerator icemaker, exterior hose bibbs and all other plumbing fixtures. Provide trap primers for all floor drains in areas not served by hose bibbs.

INDIRECT DRAIN FROM

SPECIFIED EQUIPMENT

- CAST IRON BODY

FINISH FLOOR

- A. Drain-Waste-Vent: All DWV piping shall be Schedule 40 PVC-DWV u.o.n., with the following exceptions: Use cast iron piping in all return air plenums penetrations of rated walls/floors/ceilings, and in areas/walls adjacent to cooking equipment exhaust hoods. Review Arch. and Mech. drawings. ABS or cast iron piping shall be used for drainage/discharge with a temperature greater than 140 deg. F for a minimum distance of 10'-0".
- B. Hot and cold water piping above grade: Type "L" copper w/solder joints (ASTM-B88), hard drawn with wrought copper fittings (ANSI B16.22). PEX piping with copper fittings may be used with owner/tenant approval and as allowed per code. Copper piping shall be used in areas/walls adjacent to B. cooking equipment exhaust hoods. Review Arch. and Mech. drawings.
- C. Cold water piping below grade: Type "K" copper (ASTM-88A) soft drawn. D. Hangers: Use pipe hangers where required on 8-foot centers with
- saddles to avoid crushing insulation.
- F. Unions: Provide unions where indicated on drawings, in long runs of piping (except drainage) and at equipment to provide convenient disassembly. Provide dielectric unions when connecting copper tubing to equipment and piping made of ferrous materials.

2.3 CLEANOUTS

- A. Hex plugs in rough areas: Recessed plugs with cover plates in exposed locations.
- 2.4 SHOCK ARRESTERS
- Provide shock arresters as required by codes, manufacturer's recommendations and accepted industry standards for qualify construction. Provide for all quick closing valves.

PART 3 - EXECUTION

3.1 CONNECTIONS

- A. This contract includes complete connection of cold water, hot water, drainage, and vent piping as required. All fittings, valves, accessories, cutoffs, drains, etc., required to complete such connections shall be included.
- The connection to water closets shall be made watertight with gasket and wax ring. Floor flanges shall be caulked into position. Plastic caps shall be provided on the tie down bolts, and shall be secured in place by screwing down on threaded brass washers.
- C. Where water pipes connect to exposed chrome plated trim, use proper chrome plated escutcheons.
- 3.2 SERVICE ACCESS
- A. All valves and accessories shall be insulated so that they can be properly serviced. In no case shall the Plumbing Contractor install equipment or other components in situations that do not meet code requirements or manufacturer's requirements. Provide access doors as required to access valves, etc.

3.3 ROUTING OF PIPING

SHUT-OFF

MOUNT TO WALL

RPZ

SUPPORT FROM

STRUCTURE

FULL SIZE DRAIN.

RUN TO FDR.

MAX. HEIGHT

5'-0" AFF

MIN HEIGHT

(TYP)

VALVE -> 5

A. Coordinate routing of piping with others, line up work true to or at right angle to adjacent surfaces and in a workmanlike manner. Support all interior piping from building structure by means of hanger or inserts to maintain pitch of lines, to prevent vibration, and to secure piping place.

B. Space pipe hangers per NCSBC- Plumbing Sect. 308.5.

- C. Pipe hangers for insulated lines shall have suitable saddles to protect insulation.
- A. All H/W and C/W piping shall be insulated with a min. of 1" inch elastomeric insulation (R-6.5 min.) in unconditioned areas. See NCSBC-Plumbing Sect. 305 for all protection requirements. All H/W piping of circulating systems shall be insulated with 1" insulation per Sect. C404.4 of the NCSBC 2018 Energy Conservation Code.
- Provide pre-fabricated insulation kits for all sink and lavatory exposed drain and supply piping.

3.5 INSPECTIONS AND TESTS

- A. Before being concealed, all water, soil and vent piping shall be tested to determine if they are water— and air—tight.
- B. Prior to placing into service, entire system shall be tested for leaks in strict accordance with state and local codes.

3.6 STERILIZATION OF PIPING

A. Sterilize the new water piping thoroughly with a solution containing not less than 50 parts per million of available chlorine, using liquid chlorine, or sodium hydrochloride solution, introduced into the system in an approved manner. The sterilizing solution shall remain in the system in an approved manner. The sterilizing solution shall remain in the system for a period of 24 hours. After sterilization, flush the solution from the system with clean water until the residual chlorine content is not greater than 0.2 parts per million, unless otherwise directed.

3.7 SERVICE PRESSURE

A. Provide approved water-pressure reducing valve (PRV) if service pressure exceeds 80 psi to reduce pressure to 80 psi static or less and as required per NCSBC-Plumbing Sect. 604.8.

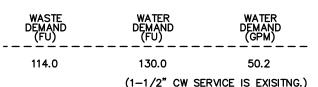
3.8 DRAINDOWN

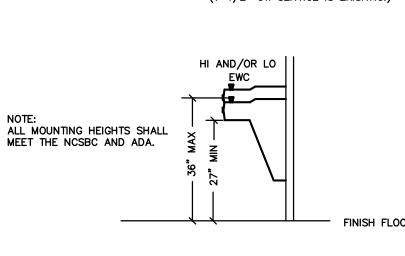
- A. Contractor to provide for complete plumbing system drain down.
- 3.9 CLEAN UP
- A. During construction, keep the site clear of debris and upon completion, and before final inspection, clean up the premises to remove all evidence of his work. In addition, upon completion of construction, clean, wash, and/or polish all fixtures, equipment and exposed material and leave them bright and clean.

3.10 GUARANTEES

- A. Guarantee all materials and labor included in the plumbing work for a period of one year from date of final acceptance by the Owner.
- B. Any defects in the system which become evident during the guarantee period shall be corrected without cost to the Owner This shall include the replacing of defective materials where required, and the repair of damage caused by leaking pipes, etc., and damage to building surfaces caused in making repairs.

LOAD SUMMARY - PLUMBING





GENERAL MOUNTING SHOWN

STRUCTURE/G.C.

VERIFY REQUIREMENTS WITH ARCH., COORDINATE WITH

RPZ MOUNTING DETAIL SCALE: NTS

EWC DETAIL SCALE: NTS

INCOMING CW SUPPLY LINE

→ TO FIXTURES

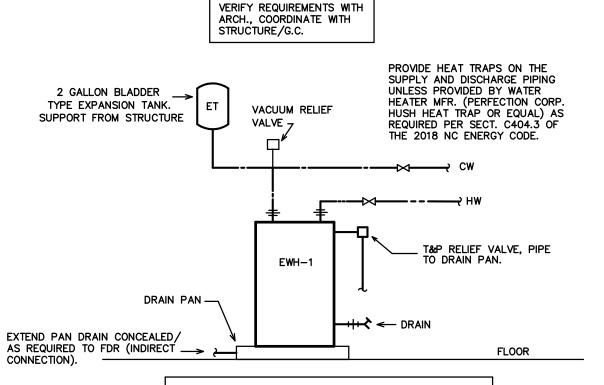
-INTERIOR WALL

FOR SERVICING.

PROVIDE A MINIMUM OF 18"

CLEARANCE ON ALL SIDES. LOCATE

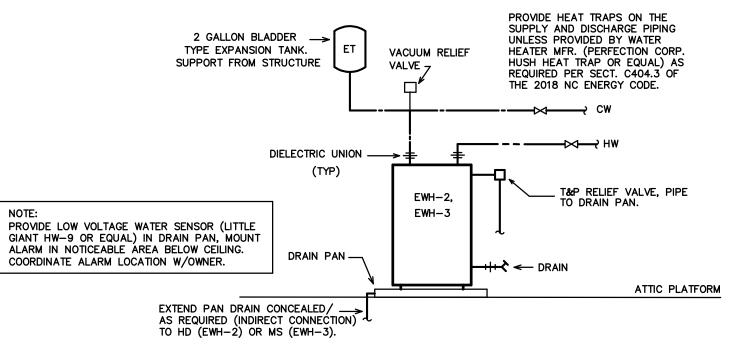
IN AREA ALLOWING FULL ACCESS



GENERAL MOUNTING SHOWN

WATER HEATERS, PIPING, AND PIPING APPURTENANCES PROVIDED BY P.C. WATER HEATER SUPPORTS BY P.C.





WATER HEATERS, PIPING, AND PIPING APPURTENANCES PROVIDED BY P.C. WATER HEATER SUPPORTS BY P.C.

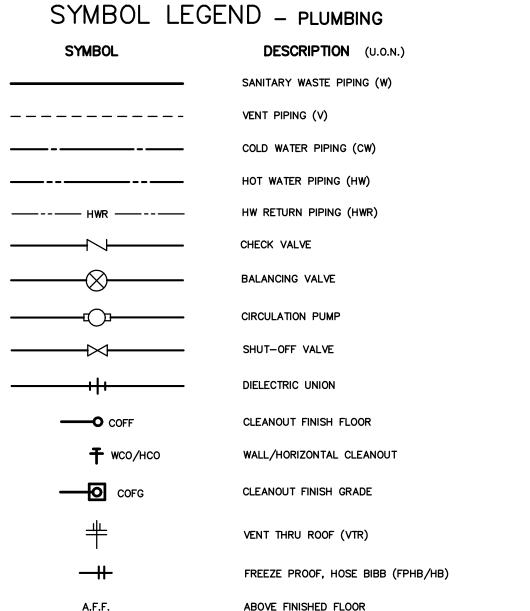
SCALE: NTS

GENERAL NOTES PLUMBING

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
- 2. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN. THE PLUMBING CONTRACTOR (PC) SHALL COORDINATE ALL OF HIS WORK WITH THE GENERAL CONTRACTOR (GC).
- 3. THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION AND ALL DISCREPANCIES OR INTERFERENCES
- BROUGHT TO THE ENGINEERS ATTENTION. 4. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. THE PC SHALL PROVIDE ALL MISC. ITEMS NEEDED FOR A COMPLETE SYSTEM REGARDLESS IF NOTED

ON THE DRAWINGS OR NOT. FOR DIMENSIONS REFER TO ARCHITECTURAL PLANS.

- 5. THE GC SHALL PROVIDE ALL WALL, FLOOR AND ROOF OPENINGS OF THE SIZE AND LOCATION REQUIRED BY THE PC AND SHALL BE RESPONSIBLE FOR PAINTING AND FLOOR FINISHES. THE PC SHALL PROPERLY SEAL ALL PENETRATIONS AND PROVIDE ESCUTCHEON PLATES AT ALL FINISHED
- 6. ALL NEW WATER PIPING SHALL BE INSTALLED TIGHT TO STRUCTURE, ADEQUATELY SUPPORTED AND PROTECTED AND PROPERLY PITCHED TO ALLOW TOTAL DRAINAGE.
- 7. ALL WATER PIPING SHALL BE HYDROSTATICALLY TESTED FOR A MINIMUM OF 15 MINUTES AT A MINIMUM OF 100 PSIG BEFORE COVERING AND ALL LEAKS CORRECTED. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
- 8. PROVIDE MIN. 18" SHOCK ABSORBERS WITH STOPS ON ALL HOT AND COLD WATER FIXTURE RUNS AS REQUIRED BY CODE.
- 9. VENT LINES SHALL SLOPE UP TO ALL STACKS AND TERMINATE A MIN. OF 12" ABOVE ROOF LINE.
- 10. PROVIDE CUT SHEETS ON ALL PLUMBING FIXTURES FOR ARCHITECT AND OWNER APPROVAL PRIOR TO ORDERING ANY FIXTURES.
- 11. PROVIDE / VERIFY HOT WATER TO LAVATORIES AT 110 DEGREES (MAX) F. PROVIDE (ASSE 1070) THERMOSTATIC MIXING VALVE (WATTS LFUSG-B 'LEAD FREE' GUARDIÁN OR EQUAL) IF REQUIRÉD PROVDE PROPER THERMOSTATIC MIXING VALVES FOR ANY OTHER REQUIRED FIXTURES (VERIFY) AND PER CODE WHETHER OR NOT SHOWN ON PLANS, INSTALL TMV'S IN MAINTENANCE ACCESSIBLE LOCATIONS BELOW FIXTURE OR AS REQUIRED- VERIFY LOCATIONS W/OWNER, ARCH.
- 12. PROVIDE CLEANOUTS AS REQUIRED BY CODE. NOT MORE THAN 100 FEET FOR 4" DRAIN.



AIR ADMITTANCE VALVE

UNLESS OTHERWISE NOTED

FIXTURE SCHEDULE - PLUMBING *

CP * CIRCULATING PUMP TACO MODEL 110, 115 VOLT, 1/12 HP. SECURELY SUPPORT FROM STRUCTURE. PROVIDE AQUASTAT, TIMER, CHECK VALVES AS REQUIRED.

ET * EXPANSION TANK

AMTROL MODEL ST-5, 2.0 GALLON, STEEL CONSTRUCTION, NON-ASME RATED.

EWC * HIGH/LOW ELECTRIC WATER COOLER WITH BOTTLE FILLER ELKAY DUAL LEVEL ELECTRIC WATER COOLER WITH FILTERED BOTTLE FILLER LZSTL8WS, ADA COMPLIANT. PIPE TO SINGLE DRAIN AND SUPPLY LINE. VERIFY INSTALLATION CLEARANCE REQUIREMENTS PRIOR TO ORDERING. VERIFY OPTIONS-

EWH-1 * ELECTRIC WATER HEATER

A.O. SMITH MODEL DEL-15, 15 GALLON, 2500 WATT, 120 V, 1 PH. 15 GPH RECOVERY AT 70 DEGREE (F) TEMP. RISE. 3/4" INLET/OUTLET, PROVIDE DRAIN PAN, EXPANSION TANK AND PRESSURE RELIEF VALVE. VERIFY INSTALLATION CLEARANCES PRIOR TO ORDERING.

HI/LO SIDE, FINISH, ETC., WITH OWNER AND ARCHITECT.

EWH-2* ELECTRIC WATER HEATER

A.O. SMITH MODEL DEL-15, 15 GALLON, 2500 WATT, 120 V, 1 PH. 15 GPH RECOVERY AT 70 DEGREE (F) TEMP. RISE. 3/4" INLET/OUTLET, PROVIDE DRAIN PAN, EXPANSION TANK AND PRESSURE RELIEF VALVE. VERIFY INSTALLATION CLEARANCES PRIOR TO ORDERING.

EWH-3 * ELECTRIC WATER HEATER

A.O. SMITH MODEL DEL-30, 30 GALLON, 4,500 WATT, 208 V, 1 PH. 26 GPH RECOVERY AT 70 DEGREE (F) TEMP. RISE. 3/4" INLET/OUTLET, PROVIDE DRAIN PAN, EXPANSION TANK AND PRESSURE RELIEF VALVE. VERIFY INSTALLATION CLEARANCES PRIOR TO ORDERING.

FD * FLOOR DRAIN

ZURN MODEL Z415 WITH HEEL-PROOF TYPE B STRAINER, CAST IRON W/NICKEL BRONZE TOP, 5" STRAINER WITH 3" CONNECTION. PROVIDE TRAP PRIMER CONNECTION IF REQUIRED.

FDR * FLOOR DRAIN W/FLANGE, RECESSED INTO FLOOR

ZURN MODEL Z415-I, 5" DRAIN, 3" CONNECTION. PROVIDE RAISED FLANGE W/NICKEL BRONZE GRATE, CAST IRON BODY. PROVIDE TRAP PRIMER CONNECTION IF REQUIRED. RECESS INTO FLOOR/SLAB, TOP OF FLANGE TO BE FLUSH W/FINISH FLOOR.

MOP SINK/FAUCET (VERIFY CUSTOM BASIN BY G.C. - PROVIDE PRE-FAB UNIT IF REQUIRED) CHICAGO FAUCET WALL MOUNT MODEL 540-LD897SWXFCP CAST BRASS 8-3/4 SPOUT REACH, PAIL HOOK, VACUUM BREAKER, LEVER HANDLES, SUPPORT BRACE, 3/4 HOSE THREAD OUTLET. PROVIDE FLOOR DRAIN IF CUSTOM BUILT BASIN UNT (SEE FD).

L1 * LAVATORY (COUNTERTOP)

KOHLER MEMOIRS STATELY DROP-IN COUNTERTOP LAVATORY, K-2337-1, WHITE COLOR, ADA COMPLIANT, PROVIDE SLOAN OPTIMA #EBF-615 BATTERY OPERATED SENSOR FAUCET. PROVIDE DRAIN WITH GRID STRAINER, P-TRAP AND SHUT-OFF VALVES. COORDINATE SIZE WITH CABINETRY PRIOR TO ORDERING.

L2 * LAVATORY (WALL MOUNTED)

KOHLER CHESAPEAKE LAVATORY, K-1722, WHITE COLOR, ADA COMPLIANT. PROVIDE SLOAN OPTIMA #EBF-615 BATTERY OPERATED SENSOR FAUCET. PROVIDE DRAIN WITH GRID STRAINER, P-TRAP AND SHUT-OFF VALVES.

A.A.V.

U.O.N.

LX * LAVATORY (COUNTERTOP)

KOHLER MEMOIRS STATELY DROP-IN COUNTERTOP LAVATORY, K-2337-3, WHITE, 3 FAUCET HOLES WITH 4" SPACING, ADA COMPLIANT. PROVIDE WHITEHALL MFG BEST CARE LIGATURE RESISTANT BATTERY (BOX) SENSOR FAUCET #WH3375-HC-SO. PROVIDE DRAIN WITH GRID STRAINER, P-TRAP AND SHUT-OFF VALVES. COORDINATE SIZE WITH CABINETRY PRIOR TO ORDERING.

BREAK ROOM SINK

ELKAY LR1918 SINGLE BASIN STAINLESS STEEL SINK (MODEL LRAD1918 IF ADA COMPLIANCE REQUIRED), 18 GA., SELF-RIMMING, FURNISHED WITH THREE FAUCET HOLES AND CENTER DRAIN. PROVIDE ELKAY FAUCET MODEL LK810AT08L2 WITH TWO LEVER HANDLES, CHROME PLATED BRASS P-TRAP AND SHUT-OFF VALVES. COORDINATE EXACT UNIT WITH OWNER AND GENERAL CONTRACTOR. COORDINATE SIZE WITH CABINETRY PRIOR TO ORDERING. VERIFY ADA REQUIREMENT W/ARCH

S2 * BREAK ROOM SINK ELKAY LR1316 SINGLE BASIN STAINLESS STEEL SINK (MODEL LRAD1316 IF ADA COMPLIANCE REQUIRED), 18 GA., SELF-RIMMING, FURNISHED WITH THREE FAUCET HOLES AND CENTER DRAIN. PROVIDE ELKAY FAUCET MODEL LK810AT08L2 WITH TWO LEVER HANDLES, CHROME PLATED BRASS P-TRAP AND SHUT-OFF VALVES. COORDINATE EXACT UNIT WITH OWNER AND GENERAL CONTRACTOR. COORDINATE SIZE WITH CABINETRY PRIOR TO ORDERING. VERIFY ADA REQUIREMENT W/ARCH.

SP* ELEVATOR SUMP PUMP STANCOR MODEL SE-40 MULTI-OPTION ELEVATOR OIL MINDER SYSTEM. 0.5 HP, 115 V, 11' TOTAL DYN. HEAD AT 3000 GPH, 2" DISCHARGE CONNECTION. INCLUDES REMOTE ALARM-VERIFY LOCATION. VERIFY MIN. PIT SIZE REQUIREMENTS. COORDINATE ALARM/ CONTROL PANEL LOCATION WITH ARCH., G.C., BLDG, OWNER.

UR *

URINAL KOHLER MODEL K-5016-ET, 3/4" TOP SPUD, ADA COMPLIANT W/PROPER INSTALL, 0.5 GPF, 2" OUTLET DRAIN. PROVIDE SLOAN G2 #8186-0.5 BATTERY SENSOR FLUSH VALVE, 0.5 GPF. PROVIDE/VERIFY VALVE WITH OVERRIDE BUTTON.

OATEY VALVE BOX WITH 3/8" BRONZE SHUT-OFF VALVE. FLUSH TO WALL.

WC * WATER CLOSET (FLUSH TANK)

KOHLER SAN RAPHAEL WATER CLOSET, K-3597, ADA COMPLIANT 1.0 GPF. PROVIDE ELONGATED ADA SEAT (LESS COVER), SUPPLY AND STOP, WAX SEAL, CLOSET BOLT KIT. PROVIDE MODEL WITH FLUSH CONTROL ON SIDE OPPOSITE GRAB BAR.

WCX TOILET ROOM #225 WATER CLOSET (FLUSH TANK)

WHITEHALL MFG BESTCARE WH2145ADA LIGATURE RESISTANT TANK TOILET, ADA COMPLIANT, STAINLESS STEEL W/POWDER WHITE FINISH, WH-LRSC-GRAY SEAT (STD.). VERIFY ALL OPTIONS (SEAT COLOR, ROUGH-IN DIM., ETC.) W/OWNER, ARCH. PROVIDE MODEL WITH FLUSH CONTROL ON SIDE OPPOSITE GRAB BAR. VERIFY/PROVIDE VANDAL RESISTANT TANK COVER LOCKING/SCREWS (VERIFY MODEL WITH THIS OPTION). PROVIDE DWV/SUPPLY CONNECTIONS/MATERIALS AS REQUIRED.

 st or approved equal. Submit all items for approval by owner and architect ALL OTHER PLUMBING FIXTURES SHOWN ARE PROVIDED BY THE OWNER AND INSTALLED BY THE PLUMBING CONTRACTOR. SEE PLANS FOR NUMBER AND LOCATION. COORDINATE ALL REQUIREMENTS WITH EQUIPMENT SERVED.

ENGINEER BURKE DESIGN GROUP 3 3305-109 DURHAM DRIVE RALEIGH, NC 27603 PHONE: (919) 771-1916 FAX: (919) 779-0826 email: ben@bdg-nc.com Corp. License # C-2652

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252-247-2127 lee@coastalarchitecture.n

Design

Planning

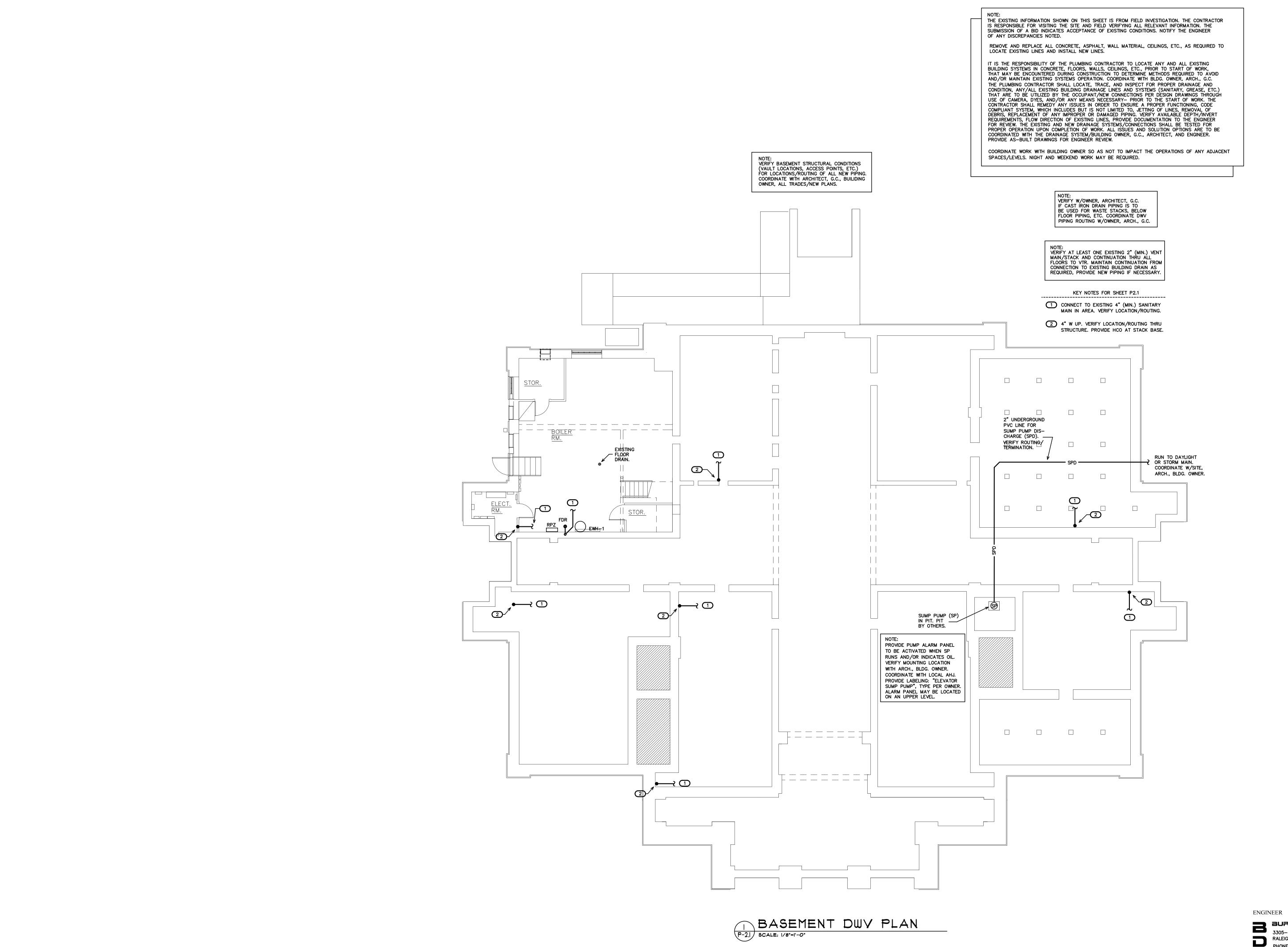
Interiors



SPECIFICATIONS

SUED: **8/8/2022** DS KD BY: BEB EVISIONS

SHEET NO.



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COURTHOU

13 COURTHOUSE SEVILLE, NORTH CAR COUNTY C BU OLUM

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BASEMENT DWY PLAN

19035 SSUED: **8/8/2022**

DS CKD BY: **BEB** REVISIONS

SHEET NO. P-2.1

BURICE DESIGN GROUP

3305-109 DURHAM DRIVE

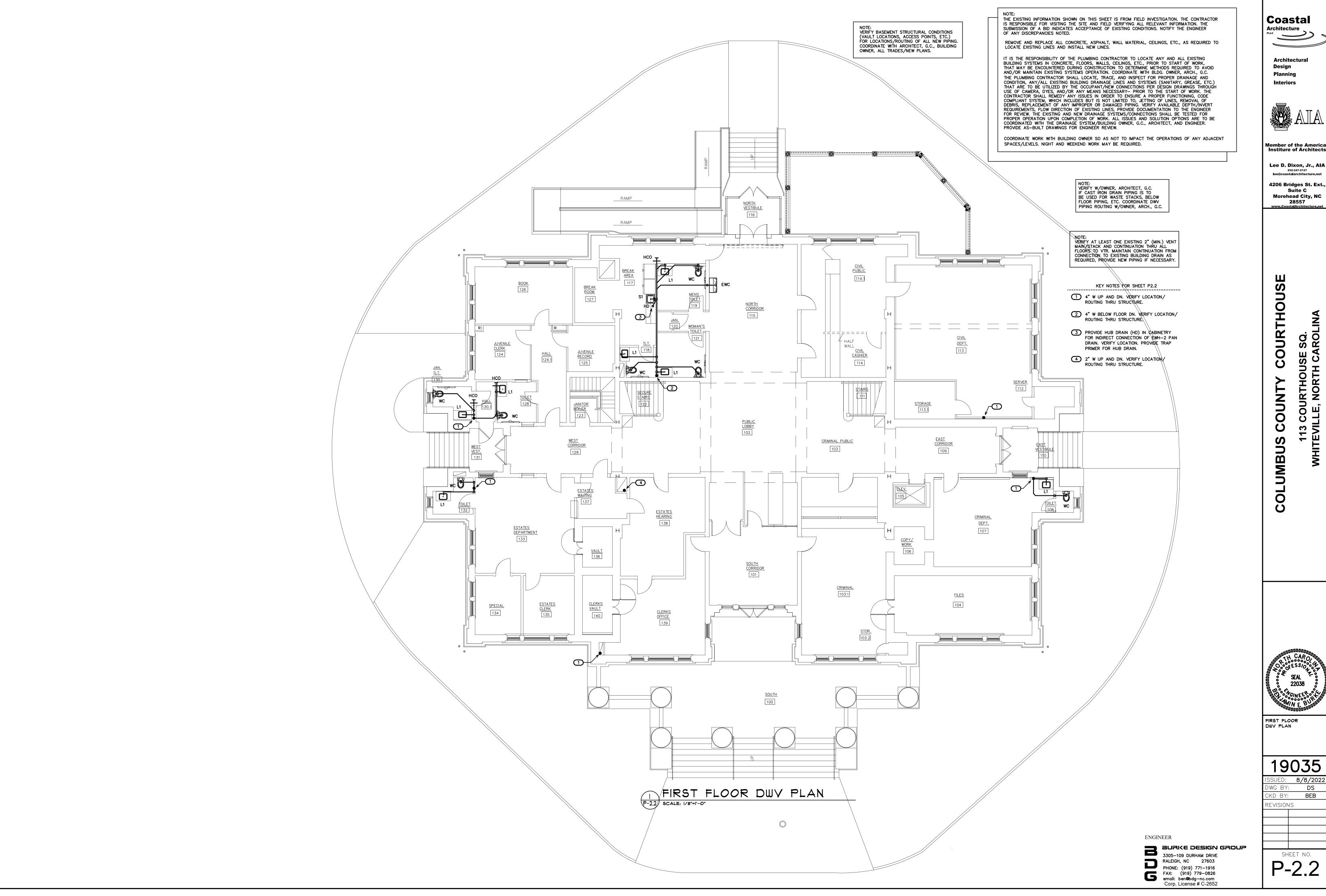
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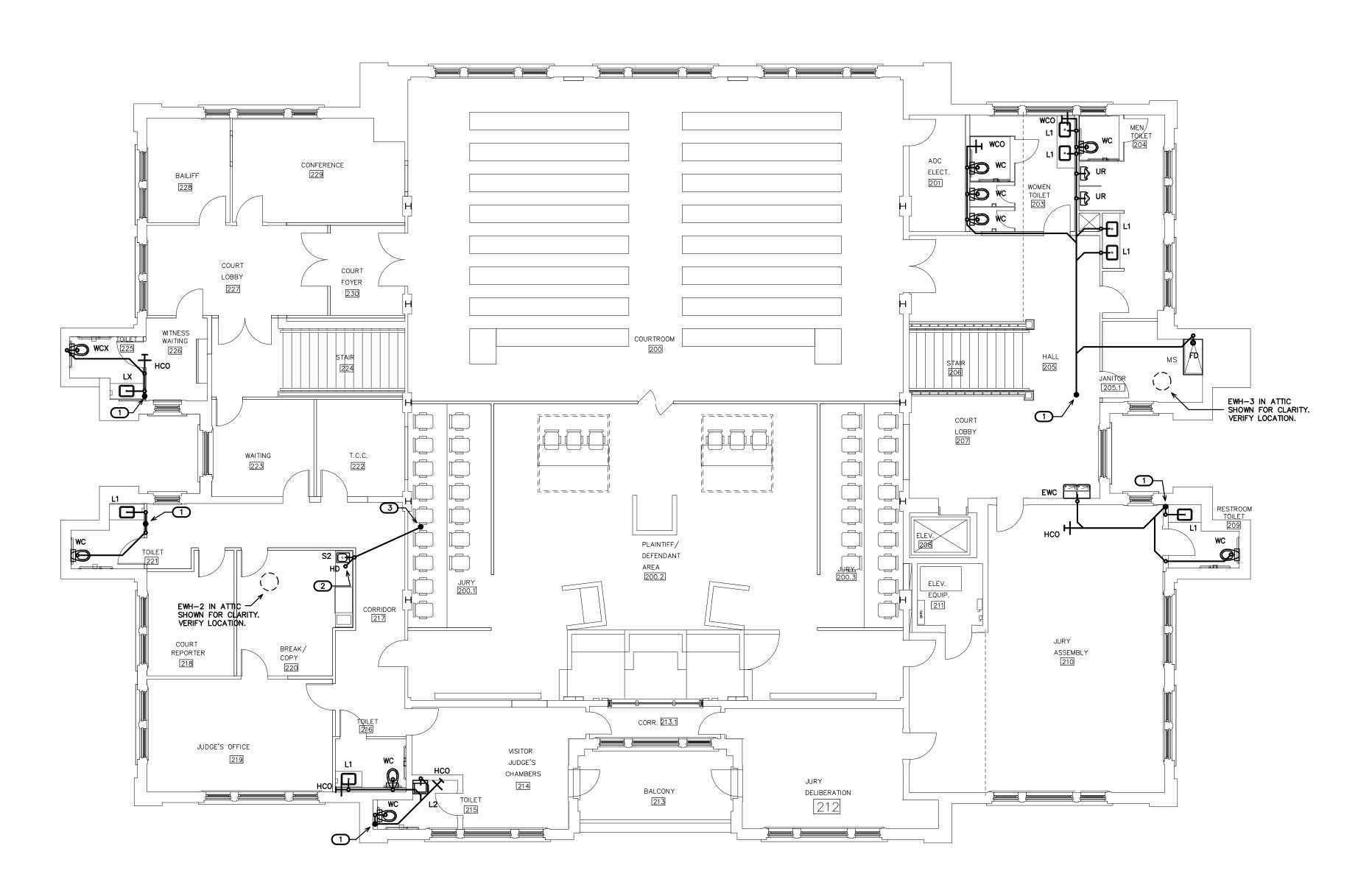
P-2.2

KEY NOTES FOR SHEET P2.3

- 1 4" W BELOW FLOOR DN. VERIFY LOCATION/ ROUTING THRU STRUCTURE.
- 2 PROVIDE HUB DRAIN (HD) IN CABINETRY FOR INDIRECT CONNECTION OF EWH-2 PAN DRAIN. VERIFY LOCATION. PROVIDE TRAP PRIMER FOR HUB DRAIN.
- 3 2" W BELOW FLOOR DN. VERIFY LOCATION/ ROUTING THRU STRUCTURE.

NOTE:
VERIFY W/OWNER, ARCHITECT, G.C.
IF CAST IRON DRAIN PIPING IS TO
BE USED FOR WASTE STACKS, BELOW
FLOOR PIPING, ETC. COORDINATE DWV PIPING ROUTING W/OWNER, ARCH., G.C.

NOTE:
VERIFY AT LEAST ONE EXISTING 2" (MIN.) VENT
MAIN/STACK AND CONTINUATION THRU ALL
FLOORS TO VTR. MAINTAIN CONTINUATION FROM
CONNECTION TO EXISTING BUILDING DRAIN AS
REQUIRED, PROVIDE NEW PIPING IF NECESSARY.



SECOND FLOOR DWV PLAN
P-2.3 SCALE: 1/8"=1'-0"

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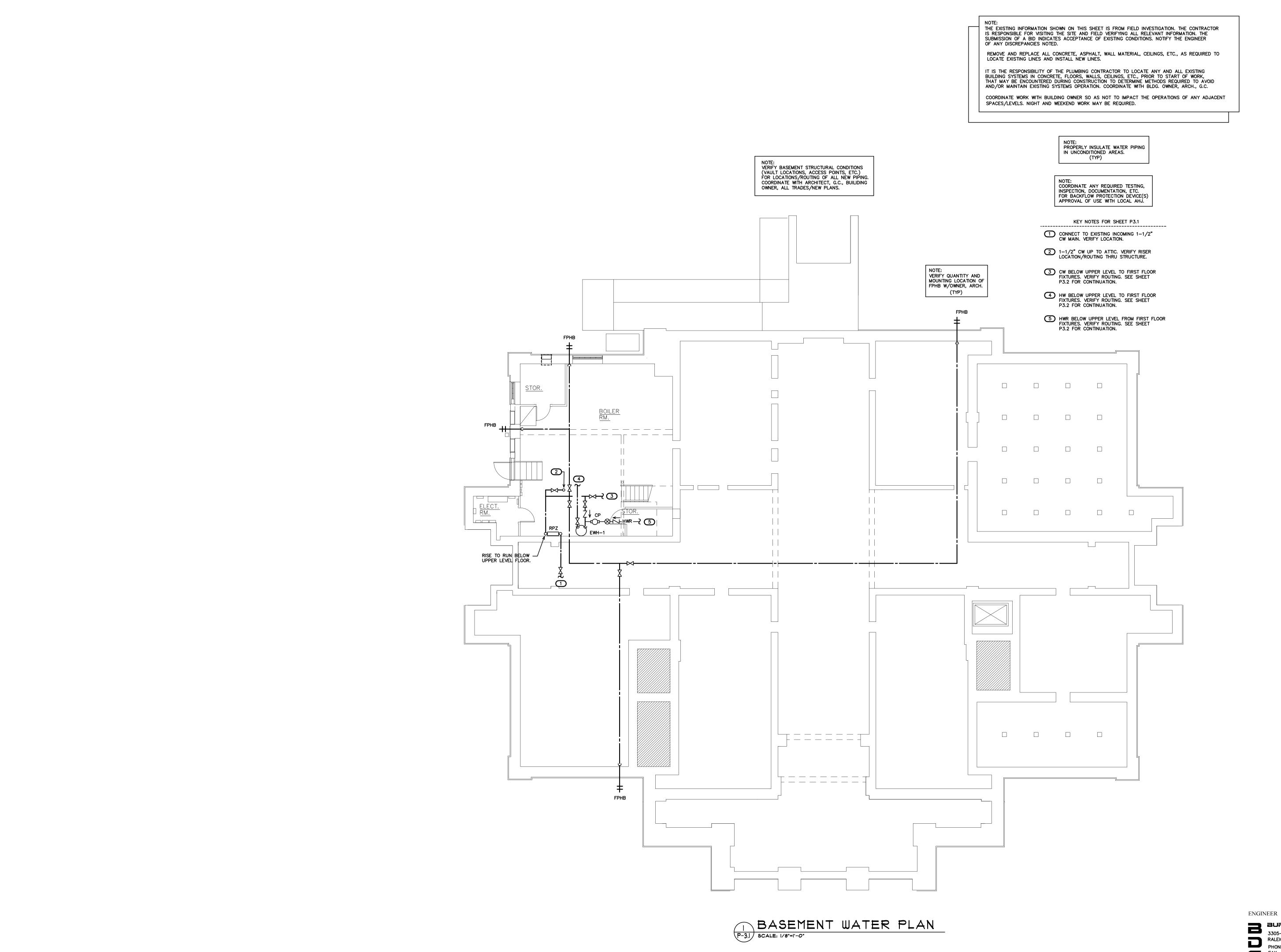
SECOND FLOOR DWY PLAN

19035

SUED: **8/8/2022** DWG BY: DS CKD BY: BEB REVISIONS

SHEET NO.

P-2.3



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COURTHOUS COUNTY

NS

COLUMB

113 COURTHOUSE SQ. EVILLE, NORTH CAROLINA

BASEMENT WATER PLAN

19035

SSUED: **8/8/2022** DWG BY: **DS** DWG BY: CKD BY: BEB REVISIONS

BURICE DESIGN GROUP

3305-109 DURHAM DRIVE

RALEIGH, NC 27603

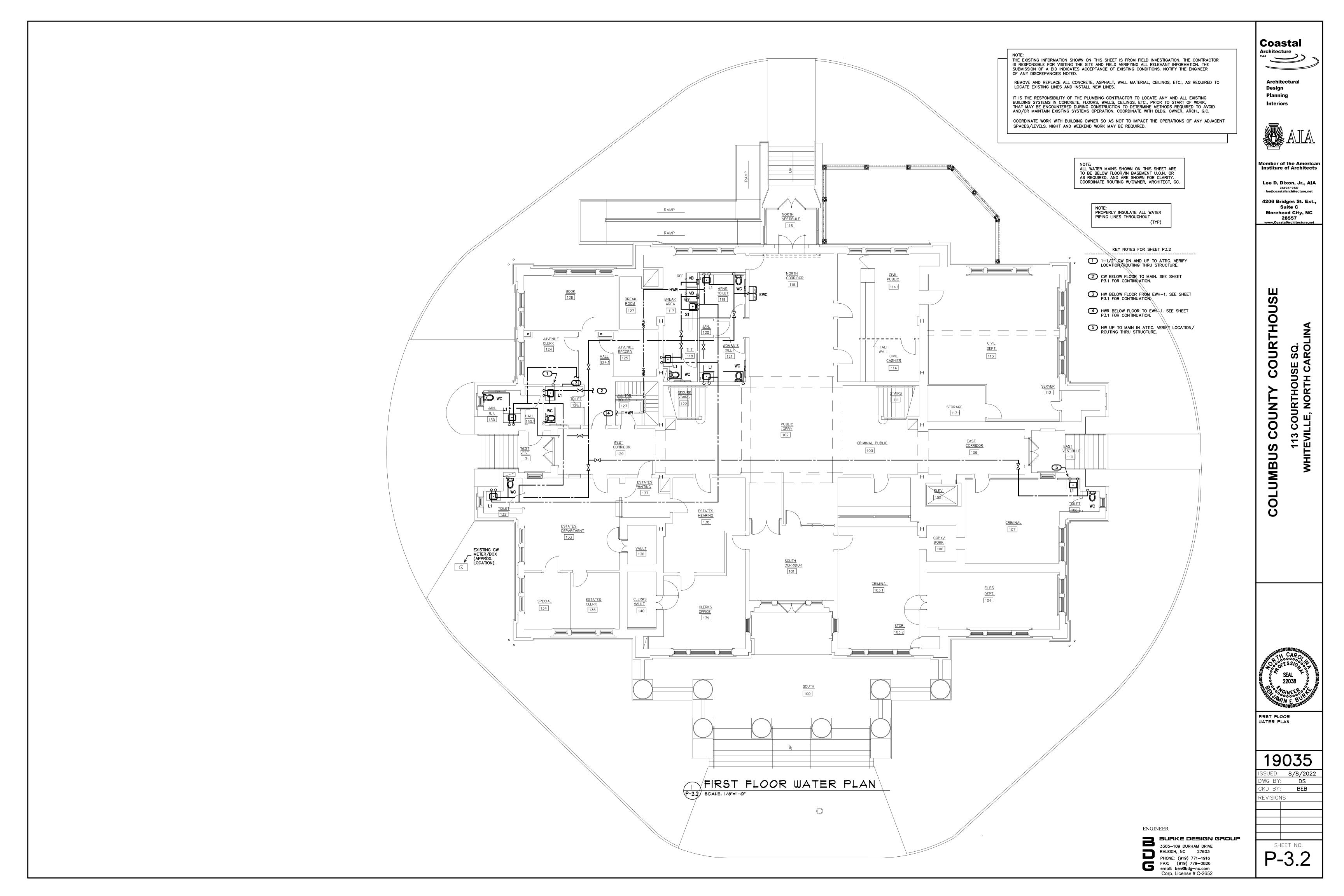
PHONE: (919) 771-1916

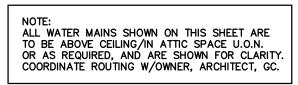
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SHEET NO. P-3.1

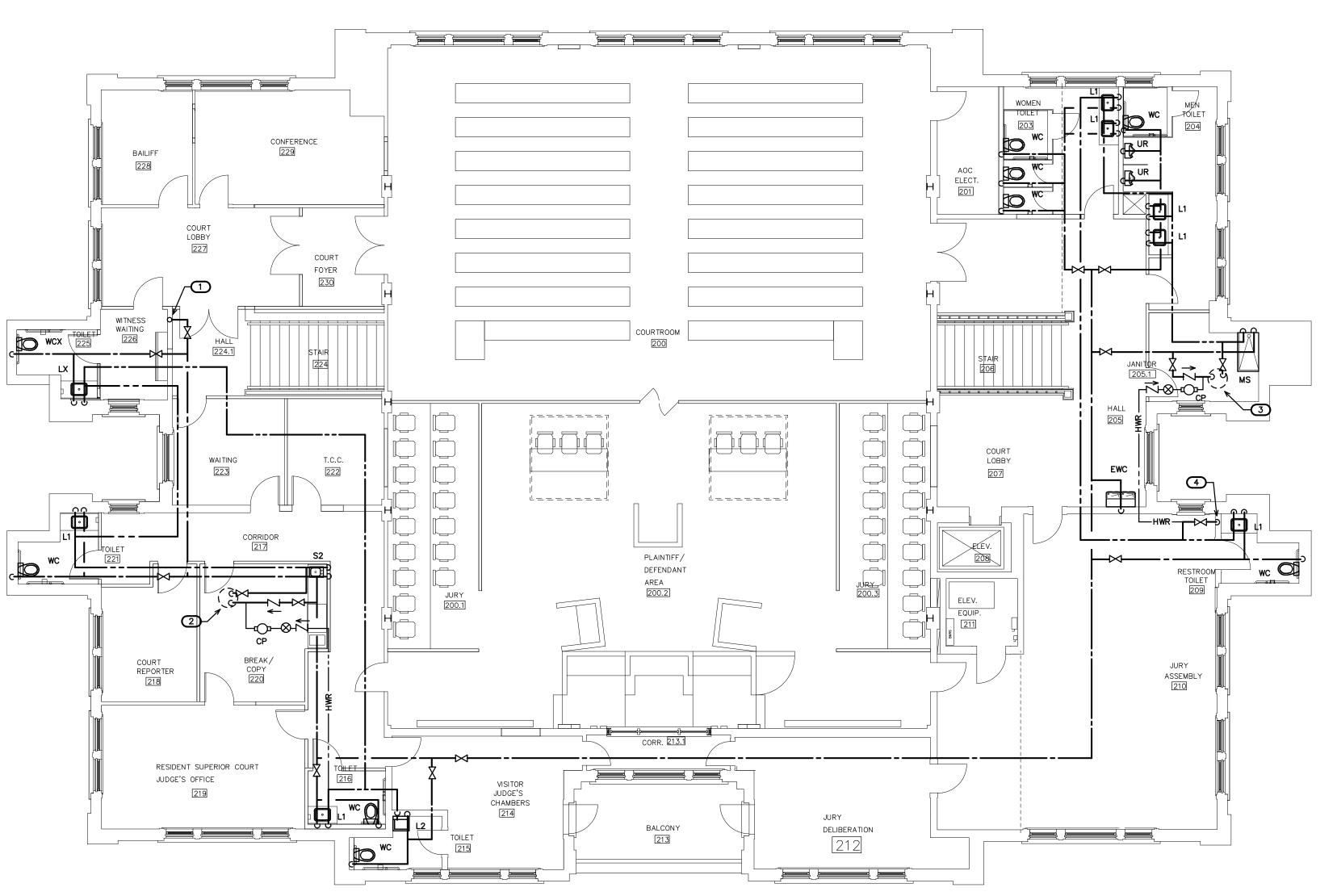




NOTE: PROPERLY INSULATE ALL WATER PIPING LINES THROUGHOUT

KEY NOTES FOR SHEET P3.3

- 1-1/2" CW DN AND UP TO RUN IN ATTIC. VERIFY LOCATION/ROUTING THRU STRUCTURE.
- 2 EWH-2 IN ATTIC ABOVE SHOWN FOR CLARITY. VERIFY LOCATION.
- 3 EWH-3 IN ATTIC ABOVE SHOWN FOR CLARITY. VERIFY LOCATION.
- DROP TO LAVATORY ON FIRST FLOOR. VERIFY LOCATION/ROUTING THRU STRUCTURE.



SECOND FLOOR WATER PLAN
P-3.3 SCALE: 1/8"=1'-0"

ENGINEER

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Planning Interiors

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COURTHOUSE 113 COURTHOUSE SQ. VHITEVILLE, NORTH CAROLINA COUNTY C

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COLUMI

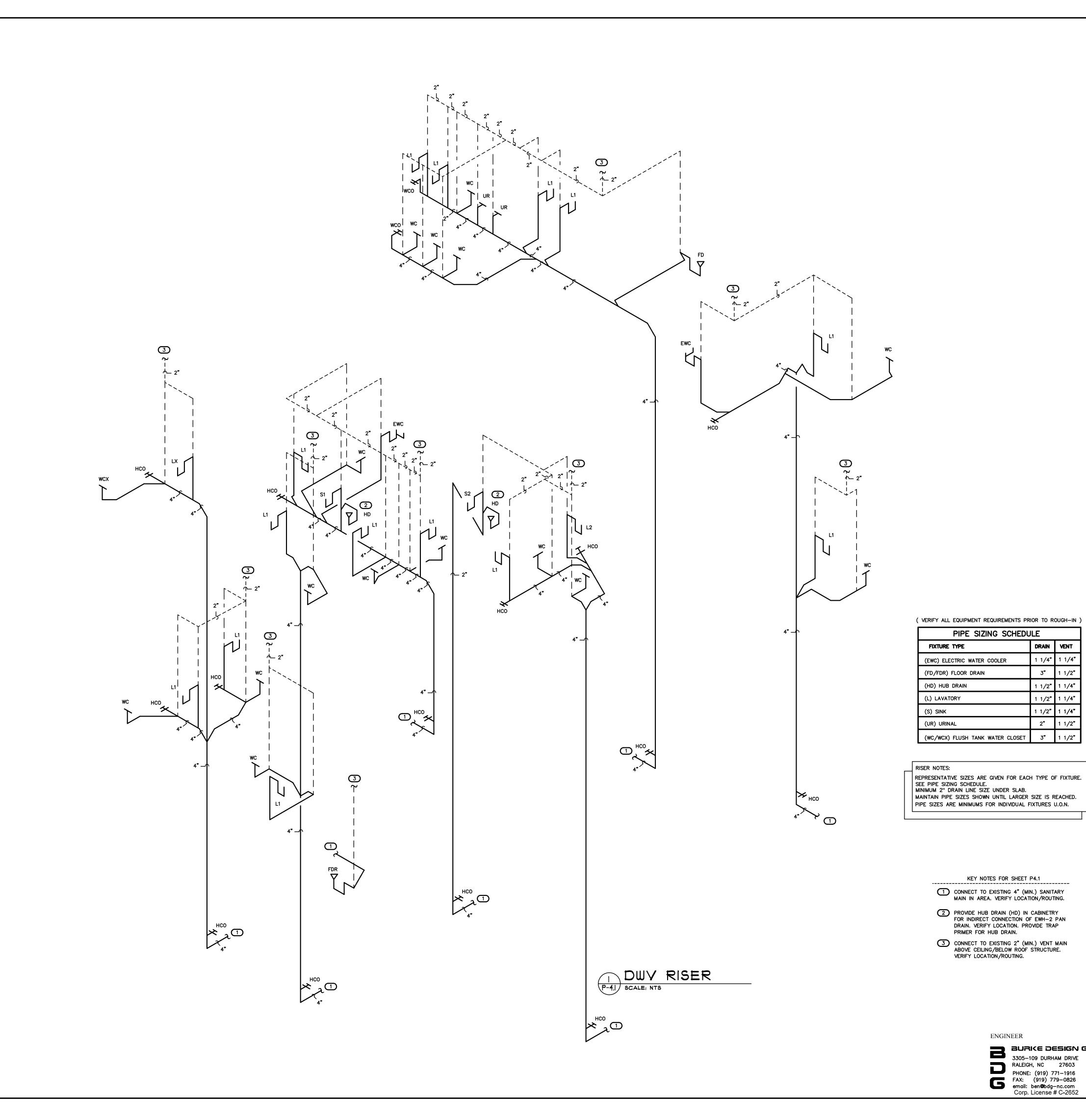


SECOND FLOOR WATER PLAN

19035

ISSUED: **8/8/2022**DWG BY: **DS** CKD BY: BEB REVISIONS

SHEET NO. P-3.3



Coastal Architecture

Architectural Design Planning



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DWY RISER

19035 SSUED: **8/8/2022** DWG BY: DS CKD BY: **BEB** REVISIONS

ENGINEER

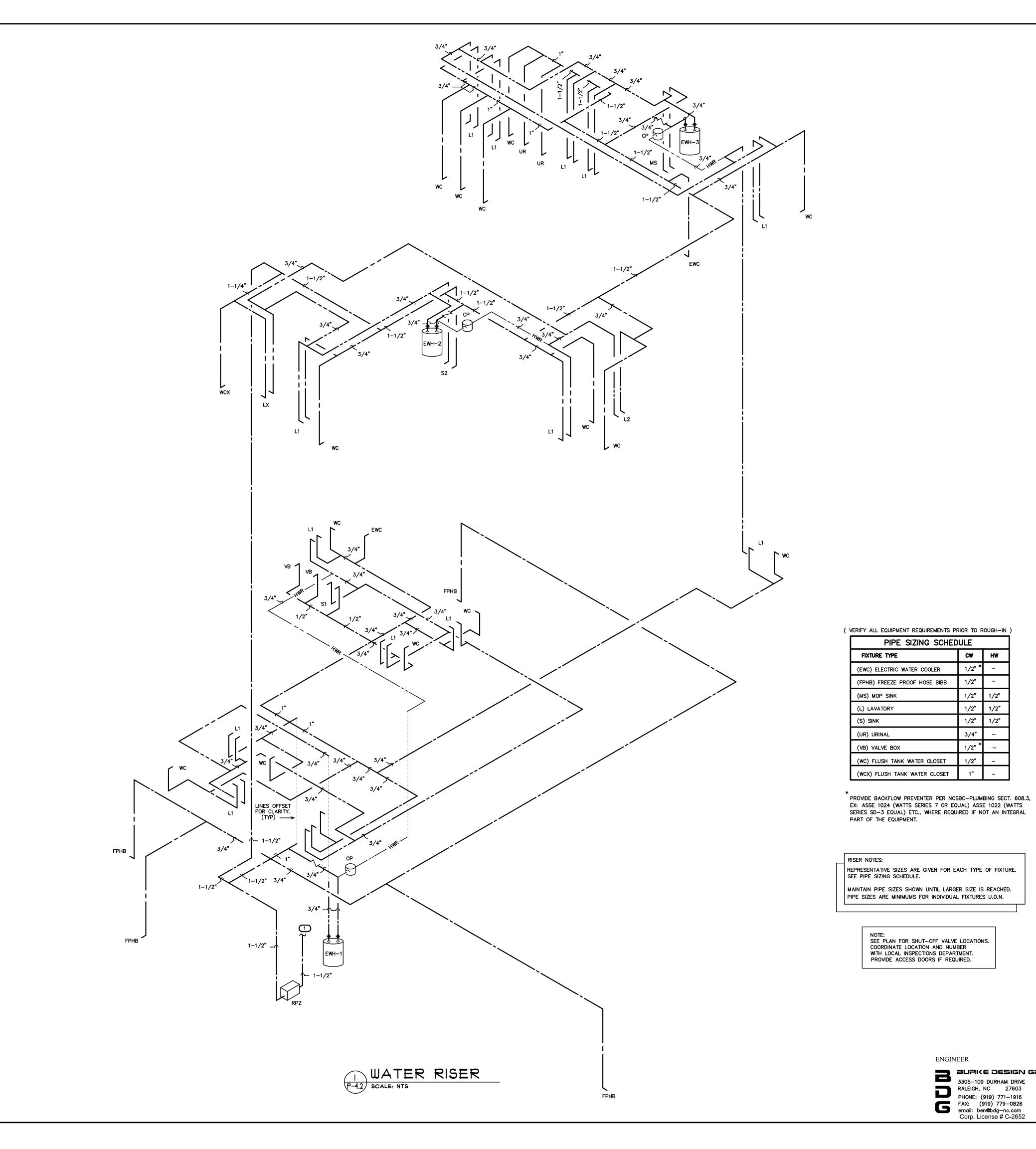
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DRAIN VENT

1 1/4" 1 1/4"

1 1/2"

SHEET NO.





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COURTHOUSE

BUS COUNTY

COLUMI

WATER RISER

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 DS
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ENGINEER

CW HW

1/2" * -

1/2" 1/2"

1/2" 1/2"

1/2" 1/2"

3/4" –

1/2" *

1/2"

1/2"

BURICE DESIGN GROUP

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