



| PLUMBING FIXTURE SCHEDULE |   |
|---------------------------|---|
| WC1                       | <p>FLOOR MOUNTED MANUAL FLUSH VALVE WATER CLOSET WITH 1.6 GPF, ELONGATED BOWL WITH OPEN SEAT AND SELF SUSTAINING CHECK HINGES. VALVE TO HAVE SOLID RING PIPE SUPPORT. ADA HEIGHT OF 17" AFF TO RIM.<br/>FIXTURE: ZURN #Z5665-BWL<br/>FLUSH VALVE: ZURN "AQUAFLUSH" #Z6000-WS1-YK</p>    |
| WC2                       | <p>FLOOR MOUNTED MANUAL FLUSH VALVE WATER CLOSET WITH 1.6 GPF, ELONGATED BOWL WITH OPEN SEAT AND SELF SUSTAINING CHECK HINGES. VALVE TO HAVE SOLID RING PIPE SUPPORT. STANDARD HEIGHT OF 15" AFF TO RIM.<br/>FIXTURE: ZURN #Z5655-BWL<br/>FLUSH VALVE: ZURN "AQUAFLUSH" #Z6000-WS1-YK</p>   |
| UR1                       | <p>VITREOUS CHINA WATERLESS URINAL WITH INTEGRAL TRAP SEAL. PROVIDE COMPLETE WITH ADDITIONAL "GREEN SEALANT", INSTALL AT ADA HEIGHT OF 17" AFF TO RIM.<br/>FIXTURE: ZURN #Z5795<br/>TRAP SEALANT: ZURN "ZGS-1200Z (1 GALLON BOTTLE)</p>    |
| UR2                       | <p>SAME AS UR1 EXCEPT MOUNTED AT 24" AFF TO RIM.</p>   |
| L1                        | <p>RECTANGULAR DROP IN COUNTER MOUNTED LAVATORY WITH FAUCET HOLES ON 4" CENTERS. FAUCET TO BE TWO HANDLE, MANUAL METERING TYPE WITH ADA COMPLIANT ROCKER HANDLES AND 0.5 GPM AERATOR. PROVIDE WITH OPEN GRID STRAINER. ALL PIPING AND TRAPS TO BE INSULATED PER SPECS AND FREEZE PROTECTION NOTES. SOME FIXTURES REQUIRE A WATER SAVER P-TRAP. REFER TO PLANS FOR SPECIFIC FIXTURES. COORDINATE COUNTERTOP OPENING WITH G.C.<br/>FIXTURE: ALLEN + ROTH #ML-20522<br/>FAUCET: ZURN #Z86500-XL-RKR-3M <b>NOTE THAT HW NOT SUPPLIED TO THIS FIXTURE.</b></p>  |
| MS1                       | <p>24x24x10 MOP SERVICE BASIN WITH WALL GUARDS, MOP BRACKET AND BUCKET HOOK FAUCET. PROVIDE COMPLETE WITH STAINLESS STEEL BUMPERS AND STAINLESS STEEL WALL GUARDS ON BOTH WALLS.<br/>FIXTURE: ZURN #Z1996-24<br/>FAUCET: ZURN #Z841M2-RC <b>NOTE THAT HW NOT SUPPLIED TO THIS FIXTURE</b></p>    |
| SK1                       | <p>DOUBLE BOWL RESIDENTIAL STYLE STAINLESS STEEL SINK WITH ADA COMPLIANT 5" DEEP BOWLS. TWO FAUCET HOLES ON 8" CENTERS AND BASKET STRAINER. PROVIDE COMPLETE WITH SCALD GUARDS ON TRAP AND SUPPLIES. TWO HANDLE GOOSENECK FAUCET WITH 1.0 GPM LAMINAR FLOW AERATOR AND HOT AND COLD INDEXES.<br/>FIXTURE: ELKAY #LRAD03321 (33" x 21-1/4" x 5")<br/>FAUCET: ZURN Z-871A4-XL-21F-HCT</p>    |
| EWC                       | <p>ADA COMPLIANT, VANDAL RESISTANT DOUBLE BUBBLER WATER COOLER WITH FRONT PUSH BUTTON ACTIVATION AND INTEGRAL BOTTLE FILLER. UNIT SHALL BE MANUFACTURER RATED FOR OUTDOOR APPLICATIONS. 8 GPH CHILLING OF 50 DEG F WATER. COORDINATE WITH E.C. TO PROVIDE 20 GFI PROTECTED CIRCUIT. LOW BOWL ON THE RIGHT WITH BOTTLE FILLER.<br/>FIXTURE: ELKAY #VRCTL8WSK<br/>BOTTLE FILLER ACCESSORY: ELKAY #VRCWS</p>    |

| PLUMBING FIXTURE SCHEDULE |   |
|---------------------------|---|
| FPHB                      | <p>FREEZE PROOF HOSE BIBB WITH TEE KEY HANDLE OPERATION. ASSE 1052 COMPLIANT. FIXTURE: WOODFORD #67</p>    |
| EWH1                      | <p>POINT OF USE TANKLESS WATER HEATER. SET OUTLET TEMP TO 110 DEG F MAXIMUM. PERFORMANCE SHALL BE 51 DEG RISE @ 1.0 GPM (240V).<br/>FIXTURE: EEMAX #SPEX75T</p>  |

THE FOLLOWING FIXTURES ARE MORE GENERIC FIXTURES. THE P.C. MAY SUBMIT ANY BRAND THAT MEETS THE LISTED CRITERIA. ALL EQUIPMENT SHALL STILL BE SUBJECT TO APPROVAL OR REJECTION BY THE ENGINEER DURING SUBMITTAL REVIEW.

|      |  |
|------|--|
| WHA  | - PISTON TYPE WATER HAMMER ARRESTOR SIZED FOR FIXTURES BEING SERVED.   |
| FD1  | - 3" OUTLET, ROUND FLOOR DRAIN WITH NICKEL BRONZE GRATE, AUXILIARY TRAP PRIMER CONNECTION AND VANDAL PROOF SCREWS. |
| FCO  | - ADJUSTABLE PVC FLOOR CLEANOUT WITH BRONZE COVER AND VANDAL PROOF SCREWS.   |
| GCO  | - IN LANDSCAPE, GCO SHALL BE A GLUE ON THREADED PLUG.  |
| MXV1 | - ASSE 1070 COMPLIANT POINT OF USE MIXING VALVE. SET OUTLET TEMP TO 110 DEG F.                                     |

### BACKFLOW PREVENTER & PRV NOTES

A NEW RPZ TYPE BACKFLOW PREVENTER SHALL BE PROVIDED AND INSTALLED BY THE G.C. UNDER THE CIVIL SCOPE OF WORK. REFER TO CIVIL SITE PLANS.

P.C. TO INSTALL LINE SIZED PRV RATED FOR 75psi WHERE PIPE ENTERS THE BUILDING INSIDE THE JANITORS CLOSET.

### FREEZE PROTECTION NOTES

THE RESTROOMS AND JANITORS CLOSET ARE NOT BEING PROVIDED WITH ANY HEATERS AT OWNERS REQUEST. PER NPC 305.4, ALL WATER PIPING SHALL BE PROVIDED WITH A MINIMUM OF R6.5 INSULATION ON ALL PIPE AND FITTINGS. PROVIDED INSULATION SHALL ALSO COMPLY WITH ASTM C177. INSULATION THICKNESS MAY VARY BETWEEN PIPE SIZES TO ACCOMPLISH THIS R-VALUE RATING.

ALL EXPOSED INSULATION IN THE RESTROOMS SHALL BE WRAPPED IN A PVC JACKET. COLOR TO BE SPECIFIED BY THE ARCHITECT.

ALL PIPING SHALL SLOPE DOWN TO THE INCOMING SHUT OFF VALVE TO ALLOW FOR DRAINING OF THE SYSTEM. A DRAIN VALVE WITH HOSE THREAD END SHALL BE LOCATED JUST DOWNSTREAM OF THE BUILDING MAIN SHUT OFF VALVE. ALL PIPING FROM THIS POINT SHALL SLOPE UP AT LEAST 1/16" PER FOOT TO ALLOW WINTER DRAINING.

### HOT WATER SERVICE NOTES

PER NC PLUMBING CODE SECTION 807.1, THIS NON RESIDENTIAL OCCUPANCY IS NOT REQUIRED TO HAVE HOT WATER AT THE LAVATORIES OR MOP SINK.

A POINT OF USE WATER HEATER IS PROVIDED AT THE CONCESSION STAND SINK FOR OCCUPANT CONVENIENCE ONLY.

### SEWER CAMERA AND SMOKE TEST

AFTER ALL NEW UNDERGROUND PIPING AND FIXTURES ARE INSTALLED, THE PLUMBING CONTRACTOR SHALL PERFORM A FULL UNDERGROUND CAMERA OF THE NEW PIPING AS WELL AS THE EXISTING PIPING BELOW THE EXISTING PARKING LOT.

THE PLUMBING CONTRACTOR SHALL FLUSH THE SYSTEM WITH WATER AND THEN CAMERA THE LINE TO IDENTIFY ANY CONSTRUCTION DEBRIS STUCK IN THE PIPES OR LOW SPOTS IN THE PIPING. ALL DEFICIENCIES SHOULD BE ADDRESSED TO ENSURE A FULLY FUNCTIONING SYSTEM.

THE SEWER CAMERA SHALL HAVE RECORDED VIDEO CAPABILITY. THIS VIDEO FILES SHOULD BE SHARED WITH THE ENGINEER AND BUILDING OWNER/LANDLORD.

A SMOKE VENT TEST SHOULD ALSO BE PERFORMED TO MAKE SURE NO OPEN SEWER PIPES REMAIN IN THE SPACE OR ABOVE THE CEILING.

### PLUMBING LEGEND

|      |                             |
|------|-----------------------------|
| CW   | - COLD WATER                |
| HW   | - HOT WATER                 |
| SS   | - SANITARY SEWER            |
| V    | - VENT                      |
| WC   | - WATER CLOSET              |
| L    | - LAVATORY                  |
| UR   | - URINAL                    |
| MS   | - JANITORS MOP SINK         |
| SK   | - STAINLESS STEEL SINK      |
| EWC  | - ELECTRIC WATER COOLER     |
| WHA  | - WATER HAMMER ARRESTOR     |
| FPHB | - FREEZE PROOF HOSE BIBB    |
| EWH  | - ELECTRIC WATER HEATER     |
| FD   | - FLOOR DRAIN               |
| FCO  | - EXTERIOR GRADE CLEANOUT   |
| PRV  | - PRESSURE REDUCING VALVE   |
| MXV  | - POINT OF USE MIXING VALVE |
| BFP  | - BACKFLOW PREVENTER        |
| PC   | - PLUMBING CONTRACTOR       |
| GC   | - GENERAL CONTRACTOR        |
| MC   | - MECHANICAL CONTRACTOR     |
| EC   | - ELECTRICAL CONTRACTOR     |
| INV  | - PIPE INVERT               |
| BFF  | - BELOW FINISHED FLOOR      |
| BFG  | - BELOW FINISHED GRADE      |
| AFF  | - ABOVE FINISHED FLOOR      |
| AFG  | - ABOVE FINISHED GRADE      |
| UG   | - UNDERGROUND               |
| AG   | - ABOVE GROUND              |

### FIXTURE RUN OUT SIZES

CW = COLD WATER  
HW = HOT WATER 110 DEG F

THE FOLLOWING FIXTURES SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR.

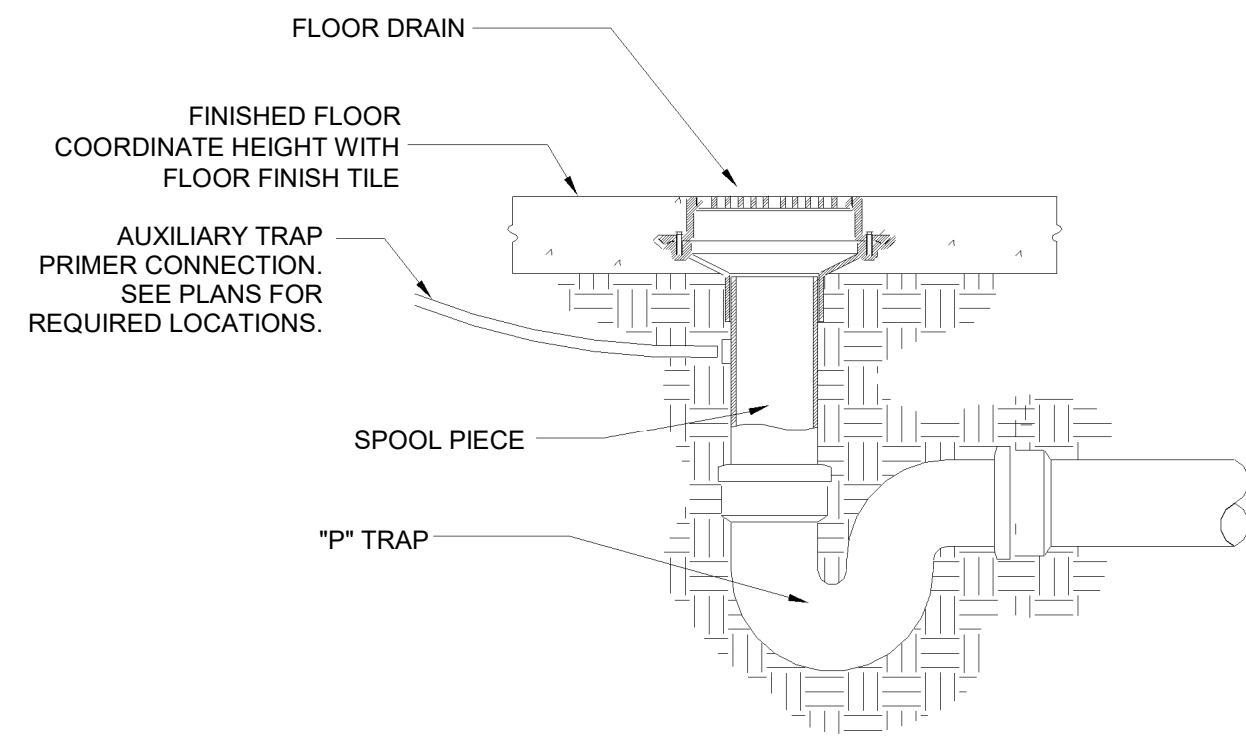
|            |                     |
|------------|---------------------|
| WC1 & WC2  | - 1" CW             |
| UR1 & UR-2 | - 3/4" CW           |
| L1         | - 1/2" CW           |
| SK1        | - 1/2" CW & 1/2" HW |
| MS1        | - 1/2" CW           |
| EWC        | - 1/2" CW           |
| EWH1       | - 1/2" CW & 1/2" HW |
| FPHB       | - 1/2" CW           |
| MXV1       | - 1/2" CW & 1/2" HW |

### PLUMBING SPECIFICATIONS

- PLUMBING CONTRACT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FEES, AND PERMITS REQUIRED FOR AND REASONABLY INCIDENTAL TO THE EXECUTION OF THE PLUMBING WORK.
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NORTH CAROLINA STATE BUILDING CODE, PLUMBING, ENERGY, AND LOCAL BUILDING CODES.
- THE PLUMBING CONTRACTOR SHALL MAKE A COMPLETE REVIEW OF THE PLUMBING PLANS, SCHEDULES AND DETAILS PRIOR TO INSTALLATION OF THE PLUMBING SYSTEM AND REVIEW ANY CONFLICTS THAT ARE NOTED WITH THE OWNER, ARCHITECT AND/OR ENGINEER FOR RESOLUTION. FIELD VERIFY ALL EXISTING LINE SIZES AND LOCATION PRIOR TO BIDDING.
- IT WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO INSURE THAT ITEMS TO BE FURNISHED UNDER THIS CONTRACT WILL FIT THE SPACE AVAILABLE. HE SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND SHALL FURNISH AND INSTALL SUCH SIZES AND SHAPES OF EQUIPMENT THAT ARE THE TRUE INTENT AND MEANING OF THE DRAWINGS AND SPECIFICATIONS.
- THE PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF THE OTHER TRADES PRIOR TO THE INSTALLATION OF ANY OF HIS PIPING OR EQUIPMENT.
- MEASUREMENTS: BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, THE PLUMBING CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND LINE SIZES AND SHALL BE RESPONSIBLE FOR VERIFYING THE INVERT ELEVATION OF THE EXISTING SANITARY PIPING PRIOR TO CONSTRUCTION.
- OF MATERIALS: ALL MATERIALS USED SHALL BE NEW UNLESS OTHERWISE SHOWN OR CALLED FOR, AND SHALL BE FURNISHED IN ACCORDANCE WITH STANDARD SPECIFICATION OF THE AMERICAN SOCIETY FOR TESTING MATERIALS, THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, THE AMERICAN CONCRETE INSTITUTE, AND OTHER GUIDE SPECIFICATIONS.
- DIAGRAMS AND COORDINATION: THE DRAWINGS ARE DIAGRAMMATIC AND SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. THE DRAWINGS INDICATE OFFSETS REQUIRED, BUT BY NO MEANS INDICATE ALL SUCH SITUATIONS.
- INSPECTIONS: THE CONTRACTOR MUST AT ALL TIMES LEND ANY ASSISTANCE NECESSARY FOR ENGINEERS OR THEIR AUTHORIZED REPRESENTATIVE TO MAKE TESTS, INSPECTIONS, ETC.
- BLOWING OUT, CLEANING AND TESTING SYSTEMS: ALL PIPING AND EQUIPMENT SHALL BE BLOWN OUT UNDER PRESSURE AND CLEANED OF FOREIGN MATTER BEFORE THE SYSTEM IS PUT INTO OPERATION. EQUIPMENT SHALL NOT BE CONNECTED TO PIPING UNTIL IT HAS BEEN BLOWN OUT AND CLEANED. PRESSURE TEST ALL NEW WATER PIPING SYSTEM. ANY DEFECTS MADE EVIDENT BY THE TEST SHALL BE CORRECTED BY THIS CONTRACTOR WITHOUT EXTRA COST TO THE OWNER. DISINFECT WATER PIPING IN ACCORDANCE WITH N.C. PLUMBING CODE, SECTION 610.1.
- GUARANTEE: CONTRACTOR SHALL GUARANTEE HIS MATERIAL, EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF 12 MONTHS AFTER DATE OF FINAL ACCEPTANCE BY ENGINEERS AND OWNERS (PARTS AND LABOR). ALL GUARANTEE FAILURE SHALL BE CORRECTED OR REPLACED BY CONTRACTOR AS SOON AS POSSIBLE AFTER NOTIFICATION OF SUCH FAILURE.
- PIPING AND FITTINGS: **SANITARY WASTE & VENT PIPING:** PVC PIPE AND FITTINGS CONFORMING TO ASTM D-2665. NO FOAM CORE PVC PIPE WILL BE ACCEPTABLE. ALL TRAPS EXPOSED IN UN-HEATED SPACES SHALL BE WRAPPED WITH INSULATION THAT IS SIMILAR TO THAT OF THE WATER PIPING LISTED IN SECTION 15 OF THESE SPECS.
- ABOVE GROUND WATER PIPING:** TYPE L HARD COPPER WATER PIPING CONFORMING TO ASTM-B-88. WROUGHT-COPPER FITTINGS CONFORMING TO ASTM-B-16.23. ALL WATER PIPING SHALL BE SLOPED AT MINIMUM 1/16" DOWN TOWARDS BUILDING MAIN VALVE IN JANITORS CLOSET. THIS IS REQUIRED TO ALLOW FOR DRAINING OF THE WATER FROM THE BUILDING DURING THE OFF SEASON.
- UNDERGROUND WATER PIPING:** TYPE K COPPER.
- INSULATION: PROVIDE INSULATION OF ALL NEW PIPING AS SHOWN: ALL INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS BY AN APPROVED INSULATION SUBCONTRACTOR. TEST ALL PIPING PRIOR TO COVERING. PIPE INSULATION (HEATED AREAS) SHALL BE EITHER 1" FIBERGLASS WITH PAPER COVERING. 1/2" ARMAFLEX MAY BE USED IN WALLS. PIPE INSULATION (UN-HEATED AREAS) SHALL COMPLY WITH NPC 305.4 AND SHALL BE WRAPPED WITH MINIMUM R6.5 INSULATION. THICKNESS AS REQUIRED FOR EACH INDIVIDUAL PIPE SIZE. ALL INSULATION IN UN-HEATED AREAS SHALL HAVE THE ASTM C177 CERTIFICATION AND APPROVAL.
- PROVIDE BALL VALVES TO ISOLATE ALL GROUPS OF FIXTURES AND AS SHOWN ON THE PLANS TO FACILITATE FUTURE SERVICING.
- PROVIDE DIELECTRIC UNIONS OR FLANGES TO ISOLATE DISSIMILAR METALS.
- HORIZONTAL DRAINAGE PIPING 3" AND LARGER SHALL HAVE A MINIMUM FALL OF 1/8" PER FOOT AND PIPING 2" AND SMALLER SHALL HAVE A MINIMUM FALL OF 1/4" PER FOOT. FIELD VERIFY INVERTS PRIOR TO CONSTRUCTION.
- CLEANOUTS SHALL BE PROVIDED IN ALL SANITARY PIPING AS SHOWN OR INDICATED BY THE A.H.J.
- WCO SHALL HAVE STAINLESS STEEL COVERS.
- ALL VENT PIPING SHALL SLOPE UP TO THE DISCHARGE POINT.
- MAINTAIN ALL FIRE RATINGS. SUBMIT UL ASSEMBLY TO LOCAL FIRE MARSHAL FOR APPROVAL.
- G.C. SHALL BE RESPONSIBLE FOR ALL FLOOR SLAB POURING. TRENCHING AND BACKFILL SHALL BE BY P.C.

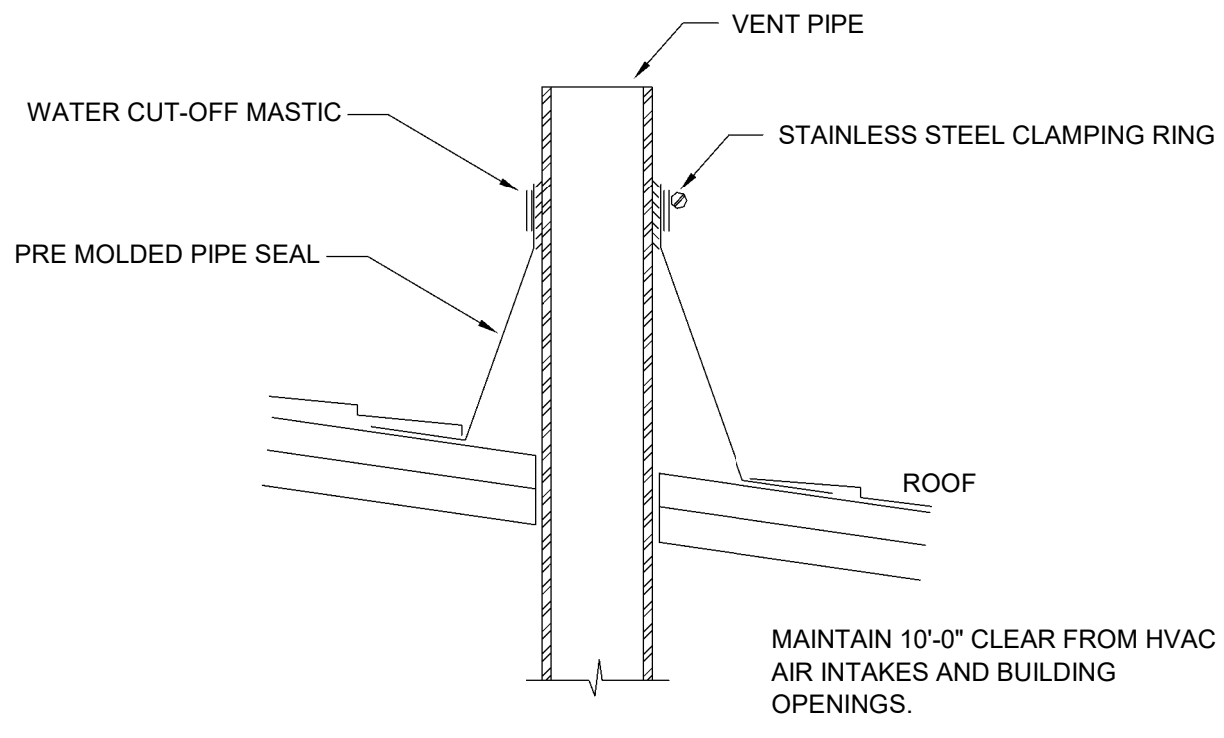
### PLUMBING SHEET INDEX

|      |                              |
|------|------------------------------|
| P001 | PLUMBING COVER SHEET         |
| P002 | PLUMBING DETAILS             |
| P201 | PLUMBING FLOOR PLANS         |
| P301 | WASTE & VENT RISER DIAGRAM   |
| P302 | DOMESTIC WATER RISER DIAGRAM |

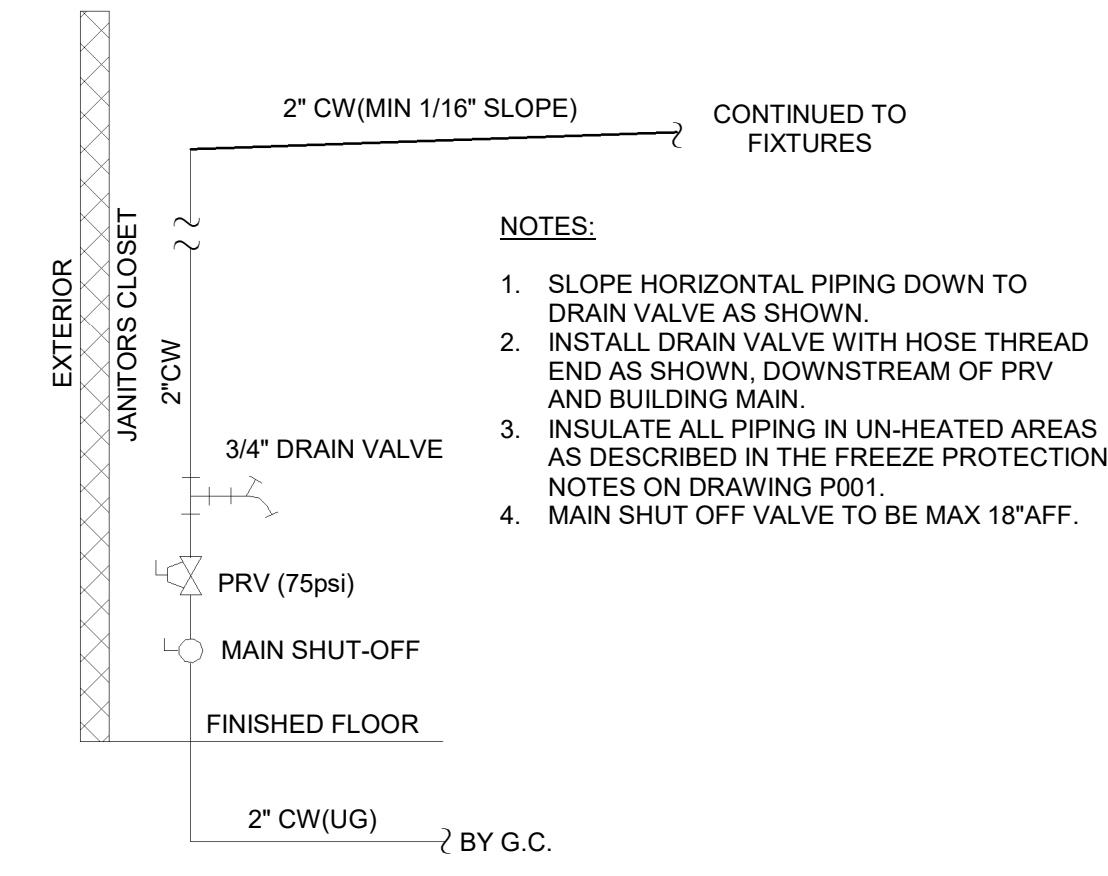


- NOTES:
- FLOOR SHALL BE SLOPED TO DRAIN BY G.C. FOR AN AREA APPROX 12" DIAMETER AROUND DRAIN IN EXISTING SAW CUT FLOORS. FOR NEW SLAB, FLOOR SHOULD SLOPE CONTINUOUSLY TO DRAIN. COORDINATE EXACT LOCATIONS WITH G.C.
  - REFER TO SPECIFICATIONS FOR PIPING MATERIAL DETAILS.

1 FLOOR DRAIN DETAIL  
P002 NOT TO SCALE

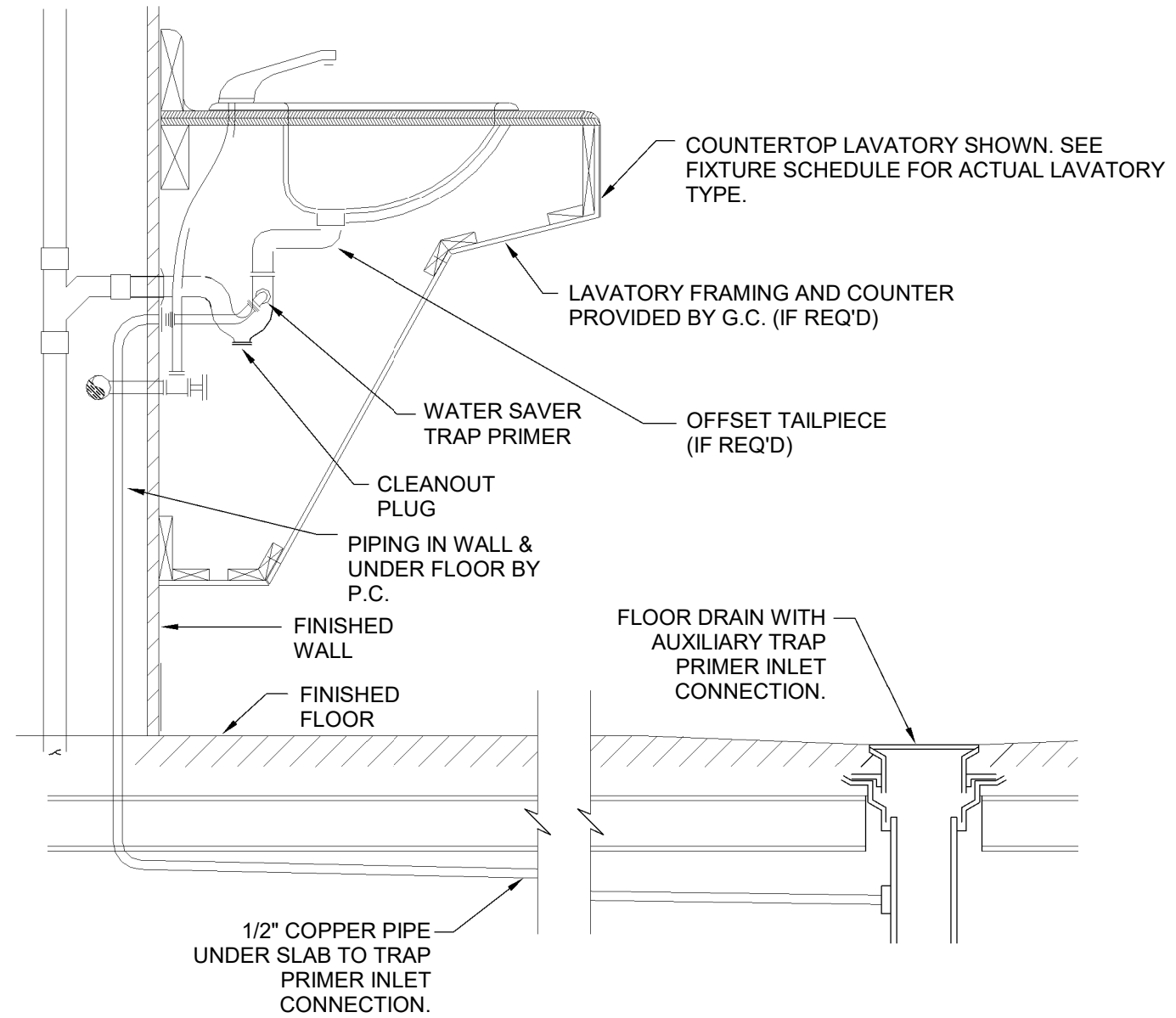


2 VENT THROUGH ROOF SLOPED  
P002 NOT TO SCALE

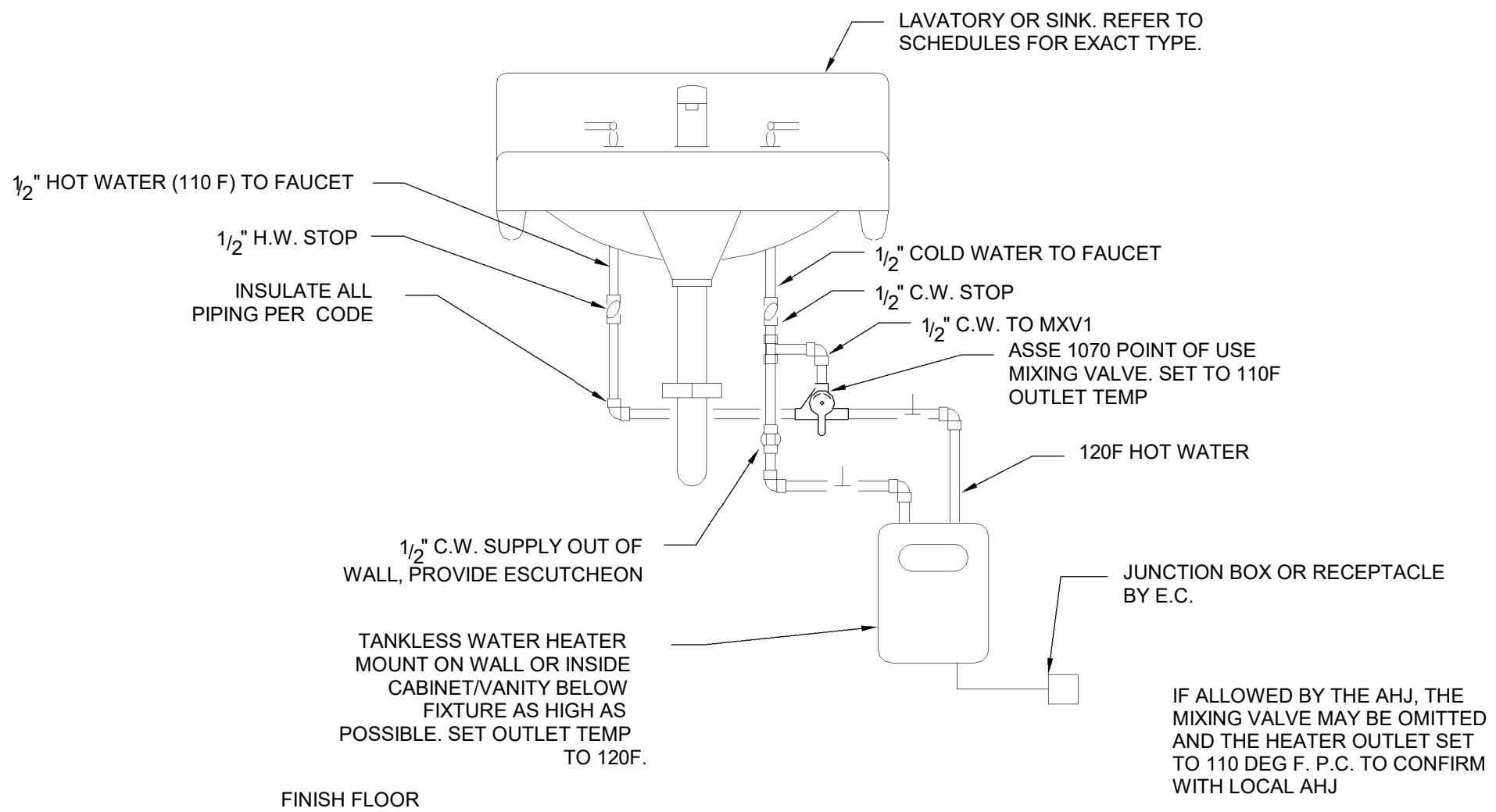


- NOTES:
- SLOPE HORIZONTAL PIPING DOWN TO DRAIN VALVE AS SHOWN.
  - INSTALL DRAIN VALVE WITH HOSE THREAD END AS SHOWN, DOWNSTREAM OF PRV AND BUILDING MAIN.
  - INSULATE ALL PIPING IN UN-HEATED AREAS AS DESCRIBED IN THE FREEZE PROTECTION NOTES ON DRAWING P001.
  - MAIN SHUT OFF VALVE TO BE MAX 18" AFF.

3 INCOMING WATER & BUILDING DRAIN  
P002 NOT TO SCALE



4 WATER SAVER P-TRAP  
P002 NOT TO SCALE

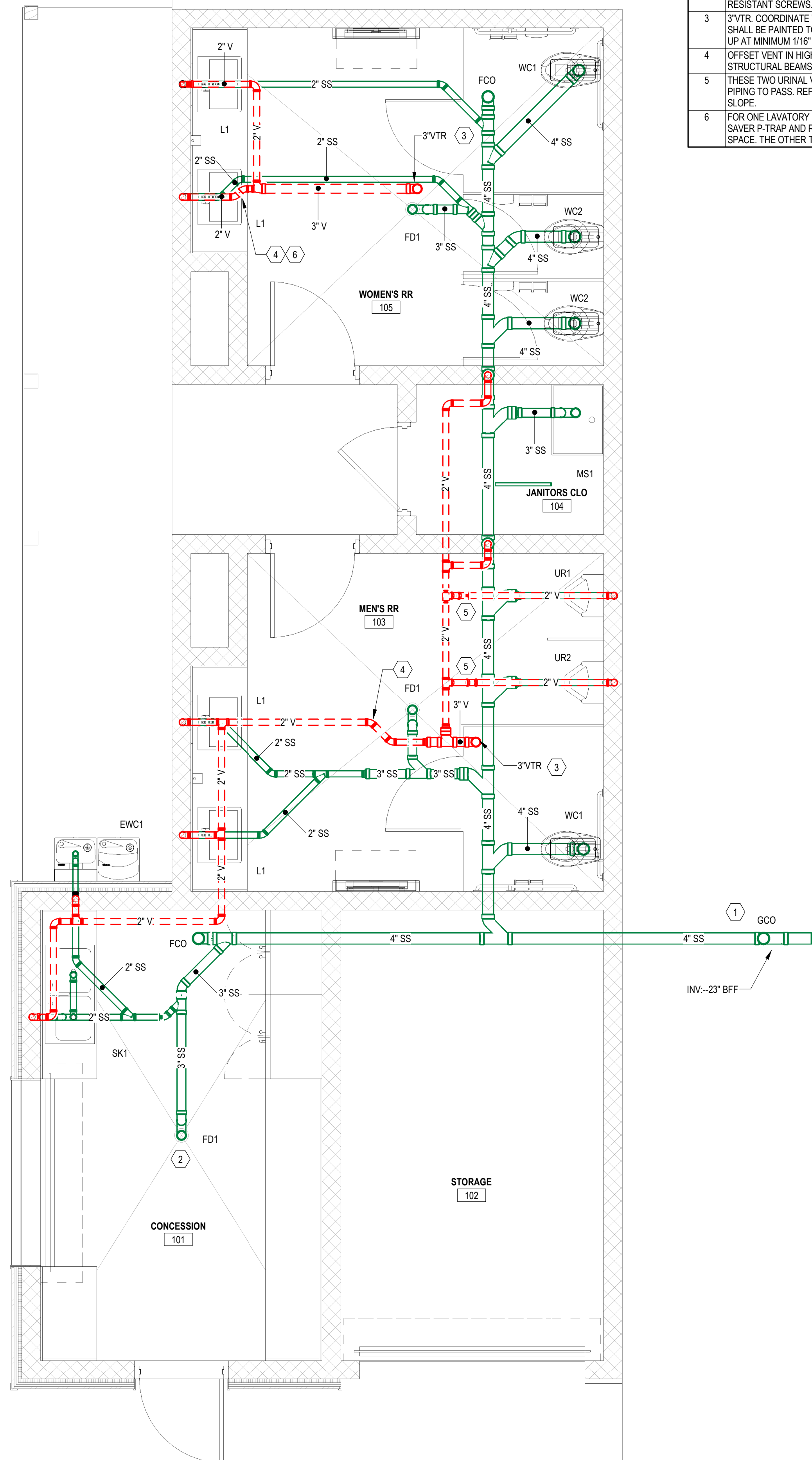


5 TANKLESS WATER HEATER  
P002 NOT TO SCALE



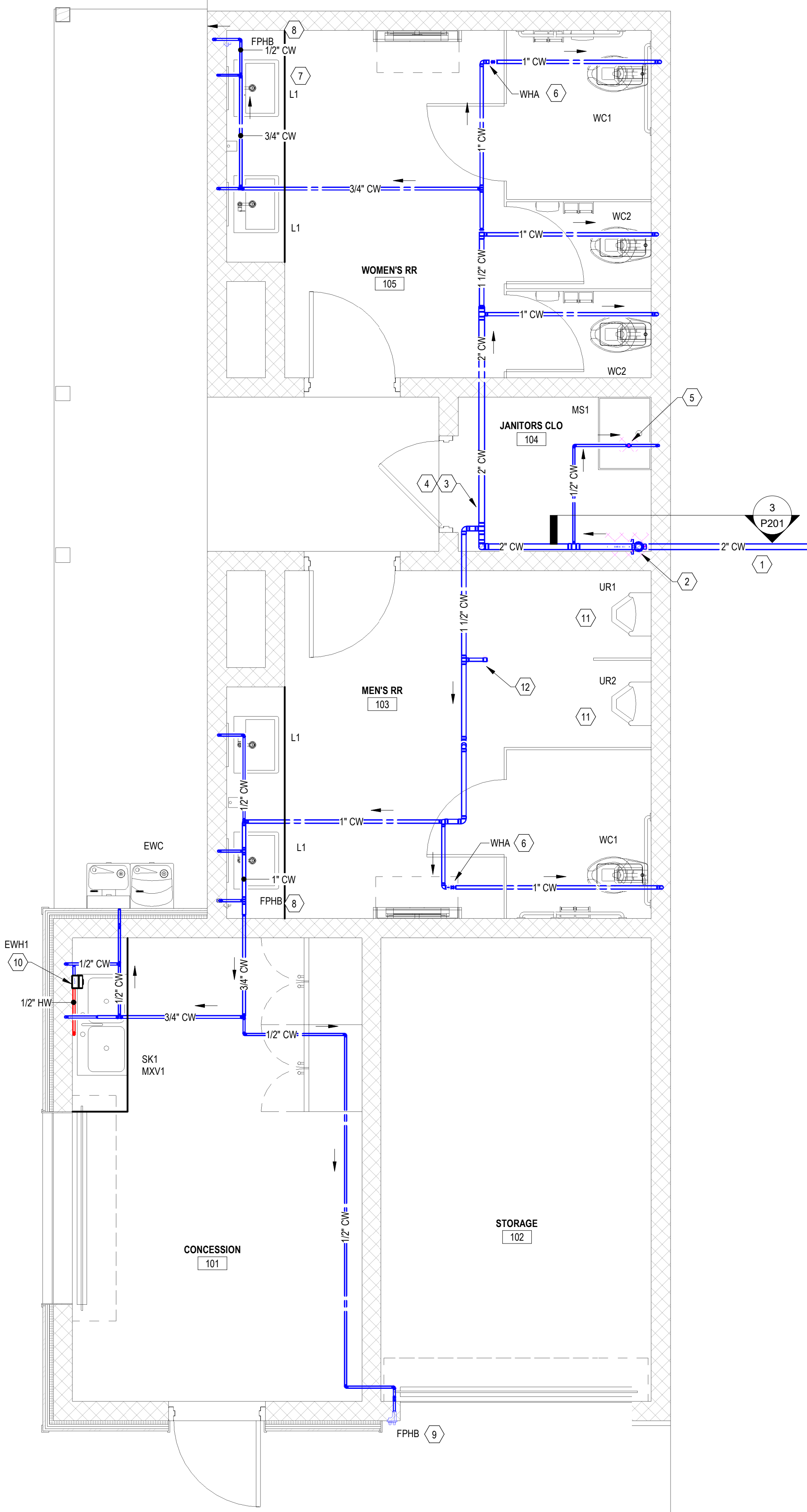
**NEILL'S CREEK PARK COMFORT STATION**  
**BLACK RIVER TOWNSHIP, TOWN OF ANGLIER**  
**HARNETT COUNTY, NC**

|              |             |                  |          |
|--------------|-------------|------------------|----------|
| DATE         |             | 07/10/2023       |          |
| SHEET TITLE  |             | PLUMBING DETAILS |          |
| DESIGNED BY  | PROJECT NO. | DRAWN BY         | REVISION |
| DWG          | 4343        | CRS              |          |
| APPROVED BY  | REVISION    | REVISION         | REVISION |
| CRS          |             |                  |          |
| SHEET NUMBER |             | P002             |          |

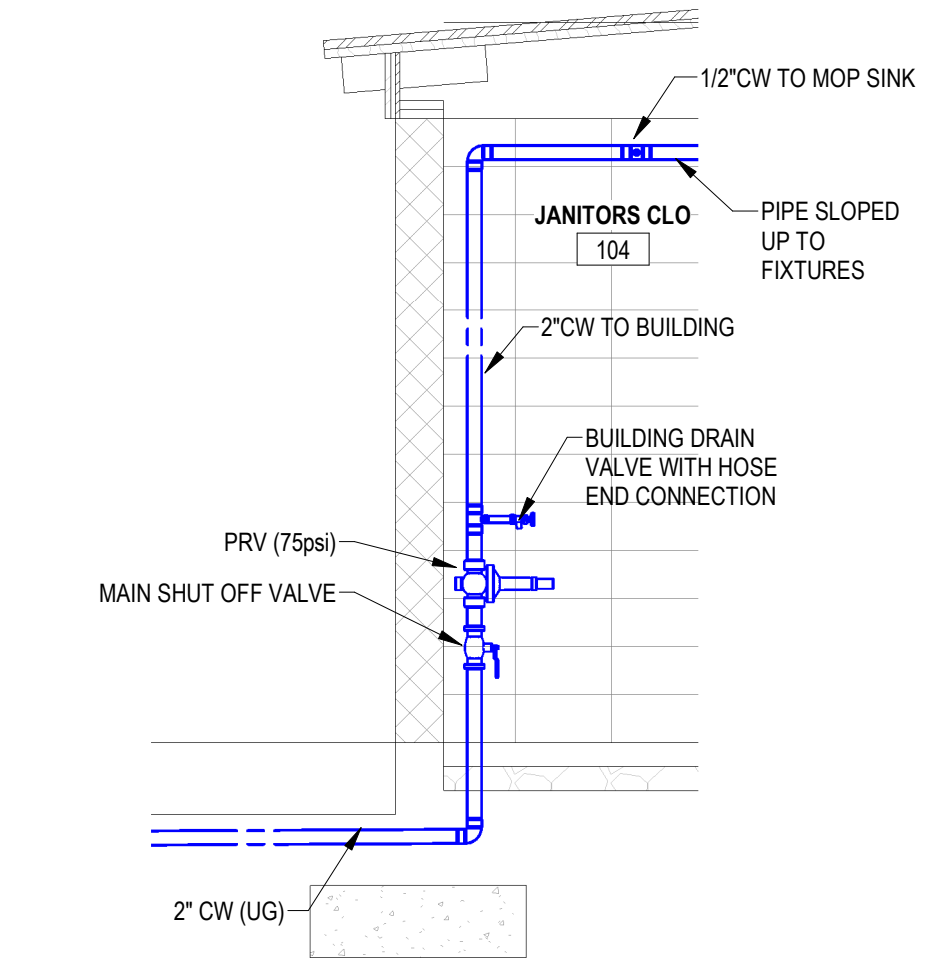


1 WASTE & VENT PLAN  
3/8" = 1'-0"

| KEYNOTES 1/P201 |  |
|-----------------|--|
| 1               | 4"SS OUT TO CONNECT TO MAIN SEWER LINE. P.C. TO EXTEND TO 5'-0" BEYOND WALL AND PROVIDE GRADE CLEANOUT WITH THREADED PVC PLUG. APPROX INVERT IS -23" BFF AND ABOVE THE FOOTING. P.C. TO VERIFY AND SLEEVE FOOTING IF REQUIRED. |
| 2               | TYPICAL FLOOR DRAIN WITH TRAP PRIMER INLET. ALL DRAINS TO HAVE VANDAL RESISTANT SCREWS.  |
| 3               | 3"VTR. COORDINATE WITH G.C. AND ROOFING SUBCONTRACTOR. PVC PIPE ON ROOF SHALL BE PAINTED TO CLOSELY MATCH ROOF COLOR. ALL VENT PIPING SHALL SLOPE UP AT MINIMUM 1/16" PER FOOT TO THIS POINT.                                  |
| 4               | OFFSET VENT IN HIGH PART OF CEILING SO THAT IT DOES NOT CONFLICT WITH THE STRUCTURAL BEAMS. NO PIPING SHALL BE RUN BELOW BOTTOM OF STRUCTURE.  |
| 5               | THESE TWO URINAL VENTS MAY NEED TO BE OFFSET DOWN TO ALLOW THE WATER PIPING TO PASS. REFER TO WATER PLANS. NOTE THAT ALL WATER PIPING MUST ALSO SLOPE.   |
| 6               | FOR ONE LAVATORY IN EACH RESTROOM AND CONCESSION SINK, PROVIDE A WATER SAVER P-TRAP AND ROUTE LINE IN WALL AND BELOW SLAB TO FLOOR DRAIN IN SPACE. THE OTHER TWO RESTROOM LAVATORIES SHALL HAVE STANDARD P-TRAPS.              |



2 WATER PLAN  
3/8" = 1'-0"



3 INCOMING WATER SECTION  
3/8" = 1'-0"

| KEYNOTES 2/P201 |  |
|-----------------|--|
| 1               | 2"CW SERVICE PIPE BROUGHT TO BUILDING BY G.C. REFER TO CIVIL SITE PLANS FOR BACKFLOW PREVENTER AND METER.  |
| 2               | SEE SECTION 3/P201 FOR INCOMING WATER RISER. PROVIDE A PRESSURE REDUCING VALVE, MAIN BUILDING SHUT OFF AND BUILDING SYSTEM DRAIN VALVE AS SHOWN.   |
| 3               | IN ORDER TO ALLOW FOR DRAINING OF THE BUILDING PIPING, ALL COLD WATER PIPING SHALL SLOPE UP FROM THE MAIN VALVE. DO NOT OFFSET THE PIPES UP AND BACK DOWN TO CREATE A TRAP. ARROWS BESIDE PIPE SHOW THE DIRECTION OF THE SLOPE "UPWARDS".  |
| 4               | SINCE THIS BUILDING IS NOT BEING HEATED, THE PIPE INSULATION MUST COMPLY WITH SECTION 305.4 OF THE NC PLUMBING CODE. REFER TO PIPE FREEZE PROTECTION NOTES ON P001. NOTE THAT NOT ALL INSULATION THICKNESSES WILL BE THE SAME. ADDITIONALLY, ALL PIPING EXPOSED IN THE RESTROOMS SHALL BE PROVIDED WITH A PVC JACKET. COLOR TO BE DETERMINED BY THE ARCHITECT PRIOR TO ORDERING.         |
| 5               | PROVIDE ASSE 1024 COMPLIANT CHECK VALVE ON SUPPLY LINE TO MOP SINK. NO HOT WATER IS BEING SUPPLIED TO THE MOP SINK. P.C. TO CAP OR PLUG HOT WATER INLET ON FAUCET.   |
| 6               | INSTALL WATER HAMMER ARRESTOR ON LAST TOILET BRANCH AS SHOWN. ORIENT IN THE VERTICAL POSITION.   |
| 7               | NO HOT WATER IS BEING PROVIDED AT THESE LAVATORIES. P.C. TO PLUG OR CAP HOT WATER INLET ON FAUCET. TYPICAL FOR ALL "L1" FIXTURES.  |
| 8               | IN EACH RESTROOM, PROVIDE AN ASSE 1052 COMPLIANT "FREEZE PROOF" HOSE BIBB ON THE WALL AT 18" AFF. PROVIDE TEE KEY OPERATION AND HANG KEY ON WALL IN JANITORS CLOSET.   |
| 9               | PROVIDE AN ASSE 1052 COMPLIANT "FREEZE PROOF" HOSE BIBB ON THE EXTERIOR WALL AT 30" AFG. PROVIDE TEE KEY OPERATION AND HANG KEY ON WALL IN JANITORS CLOSET.  |
| 10              | TANKLESS WATER HEATER BELOW SINK IN CONCESSION AREA. UNIT SHALL BE SET TO OUTLET TEMPERATURE OF 120 DEG F. PROVIDE WITH POINT OF USE MIXING VALVE (MV1) TO ENSURE DELIVERY TO SINK DOES NOT EXCEED 110 DEG F. P.C. TO ENSURE THAT THE SK1 FAUCET HAS NO MORE THAN A 1.0 GPM AERATOR TO ALLOW FOR DELIVERED WATER TO BE IN THE 85-90 DEGREE RANGE. COORDINATE WITH E.C. TO PROVIDE POWER. |
| 11              | WATERLESS URINALS. NO WATER CONNECTIONS REQUIRED.  |
| 12              | 1"CW BRANCH, CAPPED, PROVIDED IN CASE THE OWNER WANTS TO SWITCH TO TRADITIONAL URINALS IN THE FUTURE.  |

**NEILL'S CREEK PARK COMFORT STATION**  
BLACK RIVER TOWNSHIP, TOWN OF ANGLIER  
HARNETT COUNTY, NC

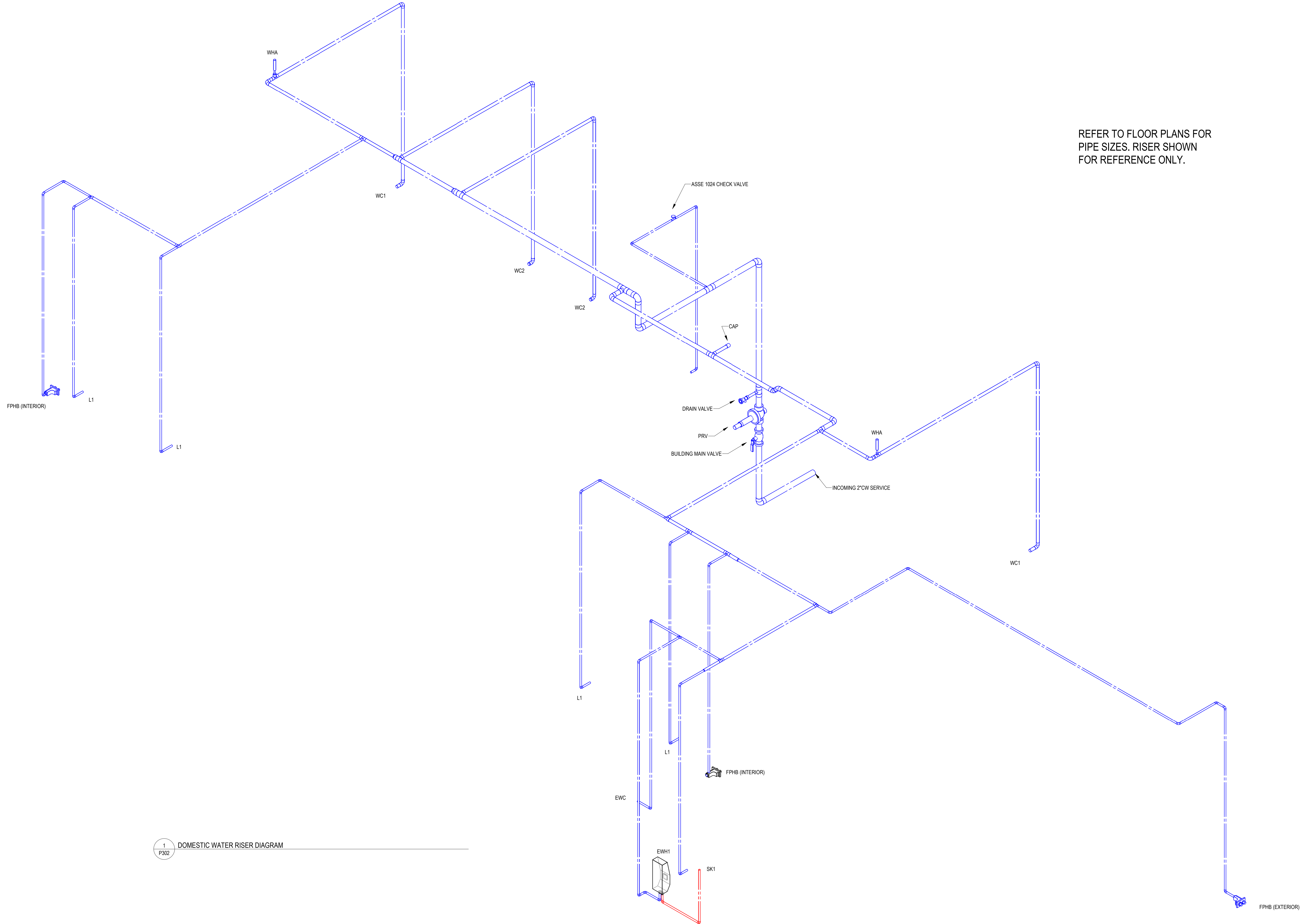
DATE: 07/10/2023  
SHEET NUMBER: P201

|             |                      |
|-------------|----------------------|
| SHEET TITLE | PLUMBING FLOOR PLANS |
| DESIGNED BY | DMG                  |
| APPROVED BY | CRS                  |
| PROJECT NO. | 4343                 |
| REVISION    |                      |
| REVISION    |                      |
| REVISION    |                      |

NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 15886  
 07/10/2023  
 CHRISTOPHER R. STROUPE, III

CONSULTANT ENGINEERING SERVICE, INC. 1111 S Marshall Street, Suite 250, Winston Salem, NC 27101  
 Phone: 336.724.0139 • Fax: 336.724.0139  
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**CONSTRUCTION DOCUMENTS**





REFER TO FLOOR PLANS FOR  
PIPE SIZES. RISER SHOWN  
FOR REFERENCE ONLY.

1 P302 DOMESTIC WATER RISER DIAGRAM

**CONSULTANT ENGINEERING SERVICE, INC.**  
PLUMBING • MECHANICAL • ELECTRICAL  
Phone: 336.724.0139 • 1111 S Marshall Street, Suite 250, Winston Salem, NC 27101

**CES**  
A Woman Owned Business  
est. 1994  
PLEASE DRINK WATER PROVIDED BY CONSULTANT ENGINEERING SERVICE. ARE INTENDED TO BE VIEWED AND PRINTED IN COLOR. COLOR IS USED TO DISTINGUISH BETWEEN DIFFERENT SYSTEMS AND TO PROVIDE DRAWING CLARITY.

NORTH CAROLINA PROFESSIONAL ENGINEERING SEAL  
15886  
07/10/2023  
TOPHER R. STROUPE

**NEILL'S CREEK PARK COMFORT STATION**  
**BLACK RIVER TOWNSHIP, TOWN OF ANGIER**  
**HARNETT COUNTY, NC**

|                              |             |                 |       |
|------------------------------|-------------|-----------------|-------|
| SHEET TITLE                  |             | DATE            |       |
| DOMESTIC WATER RISER DIAGRAM |             | 07/10/2023      |       |
| DESIGNED BY                  | PROJECT NO. | CES LICENSE NO. | F-028 |
| DWG                          | 4343        |                 |       |
| APPROVED BY                  | REVISION    |                 |       |
| CRS                          |             |                 |       |
|                              |             |                 |       |
|                              |             |                 |       |

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