

| TYPE  | DESCRIPTION                                                                                                                                                                                                    |                           | TRIM & ACCESSORIES                                                                                                                                                                                                                                                                 | FIXTURE CONNECTIONS                      |      |       |        |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------|-------|--------|
|       |                                                                                                                                                                                                                |                           |                                                                                                                                                                                                                                                                                    | CW                                       | HW   | WASTE | VENT   |
| SK-1  | TWO-COMPARTMENT SINK, 18 GA. TYPE 304 STAINLESS STEEL. 68"W x 25½"D x 41"H.                                                                                                                                    | KLINGER'S TRADING ECS22D  | KLINGER'S TRADING FMF12 WALL-MTD FAUCET, 8" CENTER, 12" SPOUT, 1.8 GPM. MCGUIRE CHROME PLATED HEAVY CAST BRASS TAILPIECE, SLIP NUTS, 17 GA. SEAMLESS TUBULAR BRASS WALL BEND, ESCUTCHEON PLATE, MCGUIRE 2165 1/2" ANGLE SUPPLIES WITH STOPS, FLEXIBLE CHROME PLATED COPPER RISERS. | 1/2"                                     | 1/2" | 2"    | 1 1/2" |
| HS-1  | HAND SINK, WALL MOUNT, 18 GA. TYPE 304 STAINLESS STEEL. 13½"W x 10"D x 5½"H.                                                                                                                                   | KLINGER'S TRADING HS-1000 | INCLUDES SPLASH MOUNT GOOSENECK FAUCET WITH WRIST HANDLES ON 4" CENTERS, 1.5 GPM, BASKET DRAIN, AND MOUNTING BRACKET, NSF CERTIFIED.                                                                                                                                               | 1/2"                                     | 1/2" | 2"    | 1 1/2" |
| BFP-1 | REDUCED PRESSURE ZONE ASSEMBLY                                                                                                                                                                                 | WATTS LF009 SERIES        | LEAD FREE CAST COPPER SILICON ALLOY BODY CONSTRUCTION, SILICONE RUBBER DISC MATERIAL IN THE FIRST AND SECOND CHECK PLUS THE RELIEF VALVE. PROVIDE WITH STRAINER, THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF: USC, ASSE STD. 1013; AWWA STD. C511; CSA B64.4.                      | SEE PLANS FOR SIZES                      |      |       |        |
| FCO   | ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND SCORLATED CAST IRON EXTRA-HEAVY-DUTY SECURED POLISHED BRONZE TOP ADJUSTABLE TO FINISHED FLOOR. | ZURN Z1400                | FLASHING CLAMP AND FLASHING FLANGE, BRONZE PLUG.                                                                                                                                                                                                                                   | SEE PLANS FOR SIZES                      |      |       |        |
| WHA   | WATER HAMMER ARRESTOR                                                                                                                                                                                          | ZURN 1260XL               | SIZING PER MANUFACTURERS INSTRUCTIONS.                                                                                                                                                                                                                                             | REFERENCE WATER HAMMER ARRESTOR SCHEDULE |      |       |        |

| WATER HAMMER ARRESTER SCHEDULE |               |                               |                       |      |    |        |        |     |
|--------------------------------|---------------|-------------------------------|-----------------------|------|----|--------|--------|-----|
| CHART A - FOR GROUPED FIXTURES |               | CHART B - FOR LONG PIPE RUNS  |                       |      |    |        |        |     |
| P.D.I. SIZE                    | FIXTURE UNITS | P.D.I. WATER HAMMER ARRESTERS |                       |      |    |        | 1 1/2" | 2"  |
|                                |               | LENGTH OF PIPE                | NOMINAL PIPE DIAMETER |      |    |        | D      | E   |
|                                |               |                               | 1/2"                  | 3/4" | 1" | 1 1/4" | F      | F   |
| A                              | 1-11          | 25'                           | A                     | A    | B  | C      | EF     | EF  |
| B                              | 12-32         | 50'                           | A                     | B    | C  | D      | FF     | FF  |
| C                              | 33-60         | 75'                           | B                     | C    | D  | AE     | EFF    | EFF |
| D                              | 61-113        | 100'                          | C                     | D    | E  | F      | FFF    | FFF |
| E                              | 114-154       | 125'                          | C                     | D    | F  | AF     |        |     |
| F                              | 155-330       | 150'                          | D                     | E    | F  | DF     |        |     |

## NOTES

1. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD PDI-WH201.

## PLUMBING LEGEND

|                                                                                                   |                                                            |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| — 4" S —                                                                                          | EXISTING SANITARY PIPING                                   |
| — 4" GR —                                                                                         | EXISTING GREASE PIPING                                     |
| ----- 1" V -----                                                                                  | EXISTING VENT PIPING                                       |
| -----                                                                                             | EXISTING CW PIPING                                         |
| -----                                                                                             | EXISTING HW PIPING                                         |
| .....                                                                                             | EXISTING PIPING/EQUIPMENT TO BE<br>REMOVED OR DEMOLISHED   |
| — • 4" S • —                                                                                      | SANITARY PIPING                                            |
| — 4" GR —                                                                                         | GREASE PIPING                                              |
| ----- 2" V -----                                                                                  | VENT PIPING                                                |
| ----- 4" FAV -----                                                                                | FRESH AIR VENT PIPING                                      |
| — 3/8" —                                                                                          | NATURAL GAS PIPING                                         |
| -----                                                                                             | CW PIPING                                                  |
| -----                                                                                             | HW PIPING                                                  |
| -----                                                                                             | HWR PIPING                                                 |
| — 3" CD —                                                                                         | CONDENSATE PIPING                                          |
| ----- 1/2" P -----                                                                                | TRAP PRIMER LINE (1/2" U.N.O.)                             |
| — 4" RL —                                                                                         | PRIMARY RAIN LEADER                                        |
| — 3" ST —                                                                                         | STORM DRAIN PIPING                                         |
| -----                                                                                             | CAP                                                        |
| -----○-----                                                                                       | ELBOW TURNED UP                                            |
| -----●-----                                                                                       | ELBOW TURNED DOWN                                          |
| -----○-----                                                                                       | TEE, OUTLET UP                                             |
| -----●-----                                                                                       | TEE, OUTLET DOWN                                           |
| -----●-----                                                                                       | BALL VALVE                                                 |
| -----  -----   | BUTTERFLY VALVE                                            |
| -----  -----   | PRESSURE REGULATOR                                         |
| -----  -----   | FIRE ALARM SHUT-OFF VALVE                                  |
| -----  -----   | SWING CHECK VALVE                                          |
| -----  -----   | WATER HAMMER ARRESTER                                      |
| -----  -----  | MANUAL GAS SHUTOFF VALVE,<br>PRESSURE REGULATOR, AND METER |
| -----  ----- | CONNECTION, NEW TO EXISTING                                |
| -----  ----- | LIMIT OF DEMOLITION                                        |

## ABBREVIATIONS

|        |                             |
|--------|-----------------------------|
| AC     | ABOVE CEILING               |
| AF     | ABOVE FLOOR                 |
| AFF    | ABOVE FINISHED FLOOR        |
| AFG    | ABOVE FINISHED GRADE        |
| AS     | ABOVE SLAB                  |
| BFF    | BELOW FINISHED FLOOR        |
| BFP    | BACKFLOW PREVENTER          |
| BG     | BELOW GRADE                 |
| BS     | BELOW SLAB                  |
| CA     | COMPRESSED AIR              |
| CO     | CLEANOUT                    |
| CS     | CUP SINK                    |
| CW     | COLD WATER                  |
| CWS    | COLD WATER SERVICE          |
| DN     | DOWN                        |
| EXIST  | EXISTING                    |
| FAV    | FRESH AIR VENT              |
| FCO    | FLOOR CLEANOUT              |
| FD     | FLOOR DRAIN                 |
| HD     | HUB DRAIN                   |
| HW     | HOT WATER                   |
| HWR    | HOT WATER RETURN            |
| G      | NATURAL GAS                 |
| INV EL | INVERT ELEVATION            |
| N.C.   | NORMALLY CLOSED             |
| N.O.   | NORMALLY OPEN               |
| N/A    | NOT APPLICABLE              |
| PDI    | PLUMBING DRAINAGE INSTITUTE |
| PH     | PHASE                       |
| RL     | RAIN LEADER                 |
| S      | SOIL                        |
| SAN    | SANITARY                    |
| SK     | SINK                        |
| TP     | TRAP PRIMER                 |
| TY     | TYPICAL                     |
| UDS    | UTILITY DISTRIBUTION SYSTEM |
| U.N.O. | UNLESS NOTED OTHERWISE      |
| V      | VENT                        |
| VTR    | VENT THROUGH ROOF           |
| W      | WASTE                       |
| WCO    | WALL CLEANOUT               |
| XT     | EXPANSION TANK              |

## PLUMBING NOTES

## GENERAL CONDITIONS

1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK SHOWN ON THE CONTRACT DRAWINGS.
3. ALL CONSTRUCTION SHALL CONFORM TO APPLICABLE CODE STANDARDS INCLUDING:
  - FLORIDA BUILDING CODE, BUILDING, 8TH EDITION (2023)
  - FLORIDA BUILDING CODE, PLUMBING, 8TH EDITION (2023)
  - FLORIDA BUILDING CODE, MECHANICAL, 8TH EDITION (2023)
  - FLORIDA FIRE PREVENTION CODE, 8TH EDITION (2023)
  - FLORIDA BUILDING CODE, ENERGY CONSERVATION CODE, 8TH EDITION (2023)
  - NEC 90, NATIONAL ELECTRIC CODE (NEC) 2020 EDITION
  - SREF 2014 - STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES
  - STATE AND LOCAL CODES AND ORDINANCES
4. THE BIDDERS SHOULD PRESENT THE PRESENT JOB SITE CONDITIONS BEFORE PREPARING A BID. THE SUBMISSION OF A BID WILL BE CONSIDERED EVIDENCE THAT SUCH A VISIT AND INSPECTION WAS PERFORMED BY THE BIDDER AND THAT HE TAKES FULL RESPONSIBILITY FOR ALL FACTORS GOVERNING HIS WORK.
5. THE CONTRACTOR IS EXPECTED TO PROVIDE PROFESSIONAL WORK PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND GOOD PRACTICE. WORK SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS AND THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT.
6. THE CONTRACTORS ARE EXPECTED TO FIELD VERIFY ALL DIMENSIONS. CONTRACTORS ARE EXPECTED TO ACCOUNT FOR FIELD CONDITIONS. CONTRACTORS ARE EXPECTED TO COORDINATE IN ORDER TO AVOID INTERFERENCE BETWEEN TRADES. CONTRACTORS ARE EXPECTED TO INSTALL EQUIPMENT SUCH THAT PROPER MAINTENANCE CLEARANCES ARE MAINTAINED FOR EQUIPMENT OF ALL TRADES. IF CHANGES TO THE CONTRACT DOCUMENTS ARE NECESSARY TO AVOID CONFLICTS, THE CONTRACTOR IS RESPONSIBLE FOR REQUESTING CLARIFICATION IN A TIMELY FASHION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEFICIENCIES ASSOCIATED WITH WORK PERFORMED BEFORE OBTAINING CLARIFICATION.
7. UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL CLEAN SPACES THAT WERE OCCUPIED BY TEMPORARY WORK AND TEMPORARY FACILITIES. REMOVE DEBRIS, RUBBISH AND EXCESS MATERIALS FROM THE SITES. REPAIR DAMAGES CAUSED BY INSTALLATION OR USE OF TEMPORARY FACILITIES.

## GENERAL PLUMBING NOTES

1. PLUMBING PLANS ARE SCHEMATIC. LOCATE PIPING TO AVOID FIELD INTERFERENCES. CHANGES IN THE PIPING SCHEMATIC REQUIRE PRIOR APPROVAL OF THE ENGINEER.
2. TRANSITION CONNECTION BETWEEN SITE PIPING AND BUILDING PLUMBING SHALL OCCUR IN AN ACCESSIBLE GREEN SPACE.
3. THE CONTRACTOR IS EXPECTED TO VERIFY DIMENSIONS AND FIELD FABRICATE PIPING AS NECESSARY TO ACCOMMODATE CONDITIONS.
4. PRIOR TO ANY NEW WORK THE CONTRACTOR SHALL VERIFY BY ALL MEANS AVAILABLE THE DIRECTION OF FLOW OF ALL EXISTING PIPING THAT WILL BE TIED INTO FOR THE NEW WORK. REPORT TO THE ENGINEER ANY DIFFERENCES FROM WHAT THE CONTRACT DOCUMENTS SHOW.

## MATERIALS AND DEVICES

1. ALL MATERIALS, EQUIPMENT AND APPARATUS COVERED BY THIS SPECIFICATION SHALL BE NEW, OF CURRENT MANUFACTURE.
2. SEE PROJECT SPECIFICATIONS FOR MATERIALS.
3. CONNECTION JOINTS BETWEEN PLASTIC AND METALLIC PIPE SHALL BE MADE WITH TRANSITION FITTING FOR THE SPECIFIC PURPOSE.
4. CONNECTIONS TO WATER HEATERS AND BETWEEN FERROUS AND NONFERROUS METALLIC PIPE SHALL BE MADE WITH DIELECTRIC FITTINGS.

### PIPING NOTES

1. INSTALL GRAVITY LINES AT UNIFORM GRADES.
2. INSTALL SLEEVES AT ALL PENETRATIONS WHERE CONCRETE MIGHT CONTACT COPPER PIPING. PROVIDE SLEEVES AND SEAL ALL PENETRATIONS OF FULL HEIGHT WALLS AIR TIGHT. PROVIDE SLEEVES AT ALL PENETRATIONS OF FLOOR. PROVIDE POLY PIPE COVER OR INSULATION WHERE COPPER PIPING IS ENCASED WITHIN CMU WALLS.
3. LOCATE ALL VALVES AND OTHER DEVICES WHICH REQUIRE MAINTENANCE IN ACCESSIBLE LOCATIONS. PROVIDE ACCESS PANELS IF NECESSARY.
4. PIPING INSTALLATIONS ARE EXPECTED TO BE RIGID. SUPPORT AND SECURE PIPING IN ACCORDANCE WITH GOOD PRACTICE.
5. SEE SPECIFICATIONS FOR HOT WATER PIPING INSULATION REQUIREMENTS. PROFESSIONAL INSTALLATION IS EXPECTED.
6. LABEL ALL HOT, TEMPERED & COLD DOMESTIC WATER SUPPLY & RETURN PIPING AT EACH VALVE LOCATION & NO LESS THAN 20' O.C.
7. HOT WATER PIPE INSULATION SHALL BE RIGID GLASS FIBER INSULATION WITH A NOMINAL DENSITY OF 3 POUNDS PER CUBIC FOOT WITH A THERMAL CONDUCTIVITY BETWEEN 0.21 AND 0.28 AT 100 DEG F MEAN TEMPERATURE. INSULATION COVER SHALL BE AN ALL SERVICE JACKET WITH DOUBLE SELF-SEALING LAPS, WITH SELF-SEALING BUTT STRIPS. INSULATION THICKNESS SHALL BE ONE INCH (1") THICK FOR PIPE SIZES 3/4" TO 1-1/2", AND 1-1/2" THICK FOR PIPE SIZES 1-1/2" TO 4" PER FBC-PLUMBING 607.5 AND FBC-ENERGY CONSERVATION TABLE C403.2.10.

## FIXTURES AND TRIM

1. EQUIPMENT SHALL BE UNDAMAGED AND CLEANED.
  2. ALL EXPOSED SINK AND LAVATORY DRAIN PIPING SHALL BE CHROME PLATED BRASS NO LESS THAN 17 GAUGE. TRAPS SHALL BE 17 GAUGE FULLY CAST BRASS WITH CLEANOUT PLUGS.
  3. ESCUTCHEONS SHALL BE CHROME PLATED CAST BRASS WITH SET SCREW.
- CLOSEOUT, TESTING AND INSPECTIONS
1. COORDINATE INSPECTIONS WITH THE SPECIFICATIONS.
  2. ALL DOMESTIC WATER PIPING SHALL BE STERILIZED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE FBC, PLUMBING CODE.
  3. ALL WATER SUPPLY PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE FBC, PLUMBING CODE BUT NOT LESS THAN 100 PSI.
  4. ALL WASTE AND VENT PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE FBC, PLUMBING CODE BUT NOT LESS THAN 10' OF HEAD.
  5. CONTRACTOR SHALL CAMERA SEWER LINES AND PROVIDE SMOKE TEST OF THE ENTIRE WASTE AND VENT SYSTEM.
  6. NO PIPING SHALL BE COVERED OR CLOSED UP BEFORE INSPECTION AND APPROVAL. PROVIDE TEST TEES AT CONNECTION TO EXISTING AT EACH FLOOR & AS NEEDED FOR COMPLETE TESTING.

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| 100% CONSTRUCTION DOCUMENTS | TP     | JB        | 6/23/2026 |
|                             |        |           |           |
|                             |        |           |           |
|                             |        |           |           |

Florida State University

Job Title:  
Challenger Learning Center 0135 & 0136 Remodel  
Tallahassee, FL

**Consultant:**



Project #: 19370.77

## Phase: 100% Construction Documents

Sea

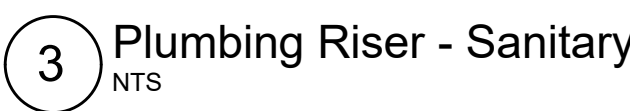
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Plumbing Notes. Legend,  
and Schedules

Sheet No.:

# P1.0



- 1 REMOVE EXISTING RESTROOM MOP SINK, PLUMBING ROUGH-INS, AND ASSOCIATED APPURTENANCES.
- 2 EXISTING FLOOR DRAIN TO REMAIN. FLOOR DRAIN STRAINER TOP, BODY, AND ASSOCIATED WASTE LINE SHALL BE THOROUGHLY CLEANED BY THE CONTRACTOR.

1. REMOVE PLUMBING FIXTURES AND ASSOCIATED APPURTENANCES IN ALL EXISTING AREAS AS SHOWN ON PLUMBING DEMOLITION PLAN.
2. RETURN EXISTING FIXTURES AND EQUIPMENT TO THE OWNER.
3. REPAIR WALLS AND FLOOR SLABS DAMAGED DURING WORK ACTIVITY BACK TO PREVIOUS CONDITION.
4. DEMOLITION IS NOT LIMITED TO WHAT IS SHOWN ON THESE DRAWINGS. THE INTENT IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS.

- 1 CONNECT NEW CW LINE TO EXISTING CW LINE OF EQUAL SIZE OR GREATER. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING PRIOR TO CONSTRUCTION.
- 2 CONNECT NEW HW LINE TO EXISTING CW LINE OF EQUAL SIZE OR GREATER. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING PRIOR TO CONSTRUCTION.
- 3 CONNECT NEW 3" FLOOR CLEAN OUT TO EXISTING SANITARY LINE.
- 4 ROUTE 2" SINK DRAIN ALONG FLOOR, AND OVER TO CONNECTION TO EXISTING 3" SANITARY. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING PRIOR TO CONSTRUCTION. CONTRACTOR TO REPAIR WALL BACK TO ORIGINAL CONDITION.
- 5 ROUTE ½" CW AND ½" HW DOWN EXTERIOR OF WALL AND OVER TO HS-1 AND SK-1 WATER CONNECTIONS.

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|                             |        |           |           |
|                             |        |           |           |





Client: **Florida State University**

Job Title:  
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Tallahassee, FL

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Description:  
Plumbing Floor Plans

Sheet No.:

P2.0

