

# GROVE CREEK WPCP

CITY OF COMMERCE, GA  
GMC PROJECT # CATL230033



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LOCATION MAP



MARCH 2025

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| JOSH ALLISON           | WATER & SEWER SUPERINTENDENT |
| TADD EDMONDSON         | WASTEWATER SUPERINTENDENT    |

#### DESIGN PROJECT TEAM

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| GOODWYN MILLS CAWOOD, LLC | CIVIL, PROCESS, ARCHITECTURAL    |
| BFIELD ENGINEERING        | ELECTRICAL, MECHANICAL, PLUMBING |
| DAY STRUCTURES            | STRUCTURAL                       |

I CERTIFY THAT I HAVE BEEN IN RESPONSIBLE CHARGE OF THE DESIGN OF THIS PROJECT IN ACCORDANCE WITH THE RULES OF THE GEORGIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS. I FURTHER CERTIFY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THESE PLANS AND SPECIFICATION WERE PREPARED IN ACCORDANCE WITH CURRENT STANDARD ENGINEERING PRACTICES AND ACCURATELY REFLECT THE DESIGN DEVELOPMENT REPORT (DDR) PREVIOUSLY REVIEWED AND CONCURRED IN BY EPD. I FURTHER CERTIFY THAT THE SYSTEM AS DESIGNED CAN REASONABLY BE EXPECTED TO CONSISTENTLY MEET ALL CURRENTLY APPLICABLE PERMIT LIMITS, CONDITIONS, AND REGULATORY REQUIREMENTS, PROVIDED THE FACILITY IS CONSTRUCTED AS DESIGNED AND PROPERLY OPERATED AND MAINTAINED.

ENGINEER'S SIGNATURE *Graham S. Sizemore*

COMMERCE 2.0 MGD  
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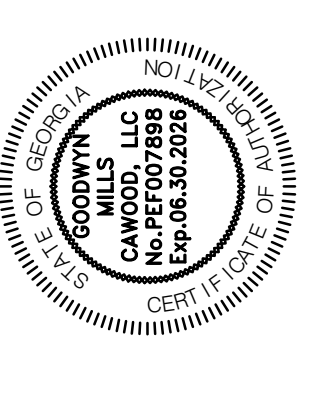


TITLE SHEET

G-001

| ISSUE         | DATE       |
|---------------|------------|
| 30% Submittal | 05.30.2024 |
| 60% Submittal | 08.29.2024 |
| 90% Submittal | 11.27.2024 |
| Bid Set       | 03.19.2025 |

|                  |    |
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| Project Manager: | CW |
| Engineer:        | GS |
| Designer:        | GS |
| Drawn By:        |    |



GMC

6120 Powers Ferry Road NW, Suite 200  
Atlanta, GA 30339  
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[illegible]

| ISSUE         | DATE       |
|---------------|------------|
| 30% Submittal | 05.30.2024 |
| 60% Submittal | 08.29.2024 |
| 90% Submittal | 11.27.2024 |
| Bid Set       | 03.19.2025 |

|                  |    |
|------------------|----|
| Project Manager: | CW |
| Engineer:        | GS |
| Designer:        | GS |
| Drawn By:        |    |

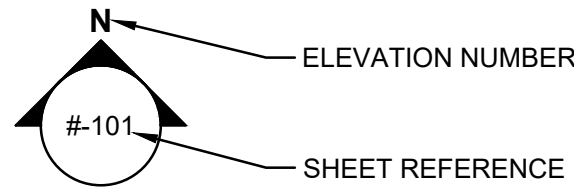




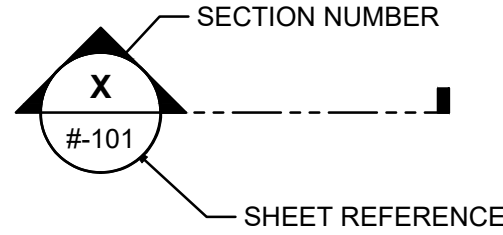


## GRAPHICS LEGEND

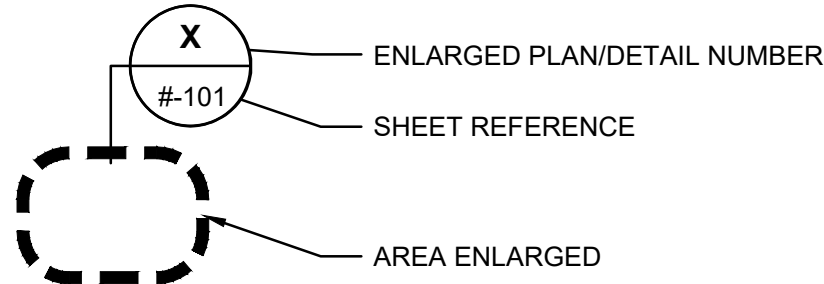
### ELEVATION INDICATOR



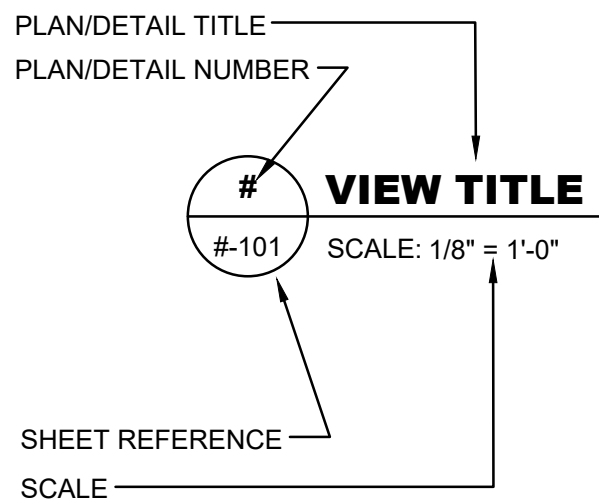
## SECTION INDICATOR



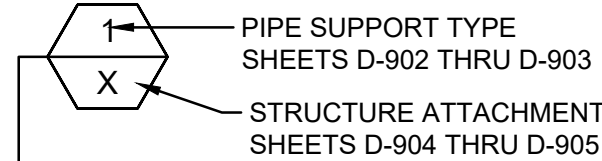
## ENLARGED PLAN/DETAIL INDICATOR



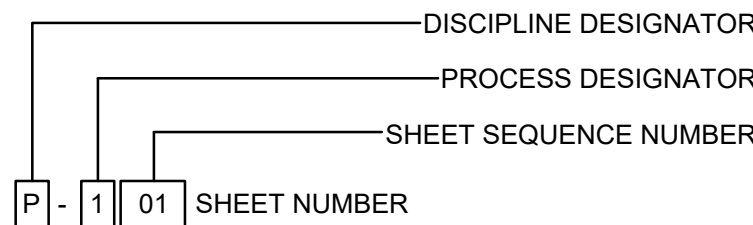
**DRAWING TITLE**



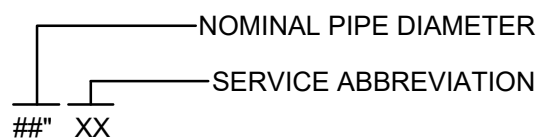
## PIPE SUPPORT INDICATOR



## SHEET NUMBERING



## PIPE LINE IDENTIFICATION



## PROCESS DESIGNATORS

| PROCESS SHEETS (WASTEWATER)                                         | DESIGNATOR |
|---------------------------------------------------------------------|------------|
| NOTES, LEGEND, ABBREVIATIONS, DEMOLITION, EXISTING CONDITIONS, ETC. | 0          |
| PRELIMINARY TREATMENT                                               | 1          |
| PRIMARY TREATMENT                                                   | 2          |
| BIOLOGICAL TREATMENT                                                | 3          |
| SECONDARY TREATMENT                                                 | 4          |
| TERTIARY TREATMENT                                                  | 5          |
| DISINFECTION AND EFFLUENT PUMPING                                   | 6          |
| SLUDGE STORAGE AND PROCESSING                                       | 7          |
| MISCELLANEOUS SYSTEMS                                               | 8          |
| DETAILS / SCHEDULES                                                 | 9          |

## CIVIL DESIGNATORS

| CIVIL                                                               | DESIGNATOR |
|---------------------------------------------------------------------|------------|
| NOTES, LEGEND, ABBREVIATIONS, DEMOLITION, EXISTING CONDITIONS, ETC. | 0          |
| SITE PLAN AND GEOMETRIC CONTROLS                                    | 1          |
| GRADING AND DRAINAGE                                                | 2          |
| UTILITIES/YARD PIPING                                               | 3          |
| ROAD PLAN AND PROFILES (IF REQUIRED)                                | 4          |
| ROAD CROSS SECTIONS (IF REQUIRED)                                   | 5          |
| SEDIMENT AND EROSION CONTROL                                        | 6          |
| RESERVED                                                            | 7          |
| RESERVED                                                            | 8          |
| DETAILS / SCHEDULES                                                 | 9          |

**OWNER**

| DESCRIPTION         | NAME           | PHONE NUMBER | EMAIL ADDRESS            |
|---------------------|----------------|--------------|--------------------------|
| CITY MANAGER        | MATTHEW HAILEY | 706.423.5125 | MHAILEY@COMMERCEGA.GOV   |
| WWTP SUPERINTENDENT | TAD EDMONSON   | 770.374.3288 | TEDMONSON@COMMERCEGA.GOV |
|                     |                |              |                          |

**CONTRACTOR**

| DESCRIPTION     | NAME | PHONE NUMBER | EMAIL ADDRESS |
|-----------------|------|--------------|---------------|
| PROJECT MANAGER | TBD  |              |               |
| SUPERINTENDENT  | TBD  |              |               |

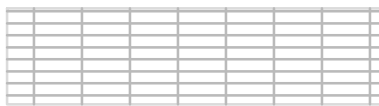
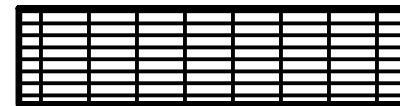
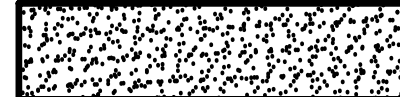
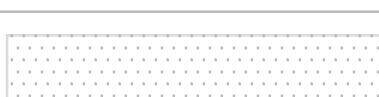
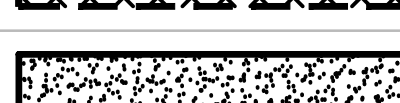
## ENGINEER

| DESCRIPTION     | NAME                | PHONE NUMBER          | EMAIL ADDRESS                  |
|-----------------|---------------------|-----------------------|--------------------------------|
| PROJECT MANAGER | CHARLES WELCH       | 770.952.2481 EXT. 103 | CHARLES.WELCH@GMCNETWORK.COM   |
| ENGINEER        | GRAHAM SIZEMORE, PE | 770.952.2481 EXT. 143 | GRAHAM.SIZEMORE@GMCNETWORK.COM |
| INSPECTOR       | TONY VAN DE RYT     | 770.952.2481 EXT. 110 | TONY.VANDERYT@GMCNETWORK.COM   |

## PIPE SYMBOLS

| DESCRIPTION               | SINGLE LINE | DOUBLE LINE |
|---------------------------|-------------|-------------|
| EXISTING BURIED PIPE      |             |             |
| EXISTING ABOVE GRADE PIPE |             |             |
| NEW BURIED PIPE           |             |             |
| NEW ABOVE GRADE PIPE      |             |             |
| WELDED JOINT              |             |             |
| FLANGED JOINT             |             |             |
| FLANGED ADAPTOR           |             |             |
| FLANGED COUPLING          |             |             |
| MECHANICAL JOINT          |             |             |
| JOINT                     |             |             |
| EXPANSION JOINT           |             |             |

## HATCHING LEGEND

| DESCRIPTION                            | EXISTING                                                                              | PROPOSED                                                                              |
|----------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| ASPHALT PAVING (PLAN)                  |    |    |
| ALUMINUM GRATING                       |    |    |
| CONCRETE (ELEVATION)                   |  |  |
| CONCRETE (PLAN)                        |  |  |
| CONCRETE (SECTION)                     |  |  |
| CRUSHED STONE (SECTION)                |  |  |
| EARTH OR BACKFILL (SECTION)            |  |  |
| GRAVEL DRIVE (PLAN)                    |  |  |
| GROUT FILL (PLAN & SECTION)            |  |  |
| LAKE, RIVER OR POND (PLAN)             |  |  |
| REMOVAL OR DEMOLITION (PLAN & SECTION) |  |  |
| UNPAVED DRIVE (PLAN)                   |  |  |

## DISCIPLINE DESIGNATORS

| DISCIPLINE          | DESIGNATOR |
|---------------------|------------|
| GENERAL             | G          |
| HAZARDOUS MATERIALS | H          |
| INSTRUMENTATION     | I          |
| DEMOLITION          | X          |
| SURVEY/MAPPING      | V          |
| GEOTECHNICAL        | B          |
| CIVIL               | C          |
| LANDSCAPE           | L          |
| STRUCTURAL          | S          |
| ARCHITECTURAL       | A          |
| FIRE PROTECTION     | F          |
| MECHANICAL          | M          |
| PLUMBING            | P          |
| PROCESS             | D          |
| ELECTRICAL          | E          |

## GENERAL NOTES

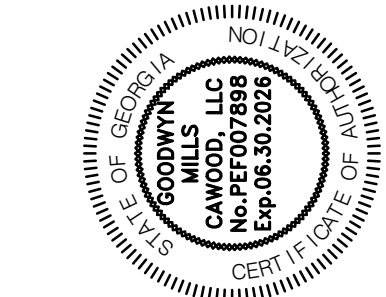
1. THE CONTRACTOR IS EXPECTED TO CAREFULLY EXAMINE THE PLAN, PROPOSAL AND SITE OF THE WORK, THEREFORE, IT WILL BE ASSUMED THAT THE BIDDER HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS AND CONTRACT. THE SUBMISSION OF A PROPOSAL BY A BIDDER WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE BIDDER HAS MADE SUCH AN EXAMINATION.
2. THE CONTRACTOR IS REQUIRED TO MAINTAIN AN AS-BUILT SET OF DRAWINGS DURING PROJECT CONSTRUCTION. THE COMPLETE AS-BUILT MAP WILL CONTAIN ALL INSTALLED ELECTRICAL, STRUCTURAL ENTITIES, LINES, VALVES, METERS, AND CONNECTIONS WITH REFERENCE DISTANCES TO PERMANENT ABOVE GROUND STRUCTURES.
3. ALL EXISTING UTILITIES SHOWN ABOVE AND BELOW GROUND ARE APPROXIMATE AND ARE NOT NECESSARILY ALL THAT EXIST. THE DETERMINATION OF THE EXISTENCE, LOCATION, AND DEPTH OF ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED BY CONTRACTOR FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER PER SPECIFICATION 1030.
5. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE CIVIL DRAWINGS AND THE ARCHITECTURAL/STRUCTURAL DRAWINGS, THE ARCHITECTURAL/STRUCTURAL DRAWINGS SHALL HAVE PRECEDENCE. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY CONFLICT IN THE PLANS/SPECS FOR CLARIFICATION PRIOR TO BID. SHOULD CONFLICTING DOCUMENTS NOT BE CLARIFIED AT THE REQUEST OF THE BIDDING CONTRACTOR, THE MORE COSTLY ALTERNATIVE AS IDENTIFIED IN THE PLAN & SPECS SHALL BE INCLUDED IN THE PRICE BID.
6. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT, INCLUDING, BUT NOT LIMITED TO, PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS SHALL BE STORED IN ACCORDANCE WITH "SPILL PREVENTION, CONTROL & COUNTERMEASURE" REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH STATE & FEDERAL AGENCY REGULATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ON SITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY TRASH OR OTHER POLLUTANTS FROM ENTERING STORM DRAINS & WATERS OF THE STATE.

## GENERAL NOTES, LEGENDS, & SYMBOLS

# G-005

COMMERCE 2.0 MGD  
BROVE CREEK WPCP  
COMMERCE, GA

CATL230033



6120 Powers Ferry Road NW, Suite 200  
Atlanta, GA 30339  
T 770.952.2481

The ONG logo is positioned in the bottom right corner of the page. It consists of the letters 'ONG' in a bold, black, sans-serif font. The 'O' and 'G' are stylized with a slight gap at the top and bottom, respectively.



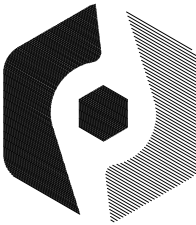




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|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| J |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| I |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| H |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| G |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| F |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| E |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| D |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| C |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| B |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| A |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

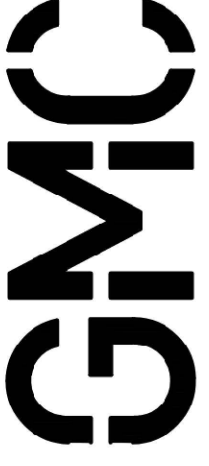
| PLUMBING FIXTURE SCHEDULE                                                                                         |                                                      |              |             |          |              |          |             |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------|-------------|----------|--------------|----------|-------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MARK                                                                                                              | DESCRIPTION                                          | WASTE RUNOUT | WASTE CONN. | VENT     | WATER RUNOUT |          | WATER CONN. |          | SPECIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                   |                                                      |              |             |          | CW           | HW       | CW          | HW       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| L-1                                                                                                               | LAVATORY (ADA) - WALL HUNG                           | 2"           | 1 1/2"      | 2"       | 1/2"         | 1/2"     | 3/8"        | 3/8"     | WALL HUNG LAVATORY (AMERICAN STANDARD 9024001 EC.020) WITH CONCEALED ARM CARRIER MOUNTING (ZURN Z1231). PROVIDE 0.5GPM SINGLE HANDLE FAUCET WITH POLISHED CHROME FINISH (AMERICAN STANDARD 5500140.002). HANDICAP DRAIN OFFSET W/GRID DRAIN (ZURN Z8746-PC) AND CHROME PLATED P-TRAP (ZURN Z8701-PC). CHROME PLATED BRASS ANGLE SUPPLY STOPS WITH FLEX SUPPLIES (MCGUIRE H165). INSULATE OFFSET, TRAP AND SUPPLY LINES (TRUEBRO "LAVGUARD," #103 E-Z). PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER HOT WATER TO 110 DEGREES (LEONARD 170-LF). LEAD FREE, ASSE 1070. |
| WC-1                                                                                                              | WATER CLOSET - TANK TYPE                             | 4"           | 3"          | 2"       | 1/2"         | ---      | 1/2"        | ---      | FLOOR MOUNTED, TANK TYPE WATER CLOSET (AMERICAN STANDARD "CADET PRO," 215CA.104), 1.28 GPF, WHITE VITREOUS CHINA, GRAVITY FED FLUSH ACTION. TOP OF RIM AT 15" AFF. HIGH EFFICIENCY "WATERSENSE" LISTED. PROVIDE HEAVY DUTY OPEN FRONT SEAT, LESS COVER, WITH SELF-SUSTAINING CHECK HINGE (BEMIS 105555C). CHROME PLATED BRASS ANGLE SUPPLY STOP WITH 12" LONG X 3/8" FLEX SUPPLY (MCGUIRE M166).                                                                                                                                                                    |
| WC-2                                                                                                              | WATER CLOSET (ADA) - FLOOR MOUNT W/FLUSH VALVE       | 4"           | 3"          | 2"       | 1-1/4"       | ---      | 1"          | ---      | FLOOR MOUNTED, ADA FLUSH VALVE WATER CLOSET (AMERICAN STANDARD 209AA137.020), 1.28 GPF, WHITE VITREOUS CHINA. TOP OF RIM AT 16 1/2" AFF. PROVIDE HEAVY DUTY OPEN FRONT SEAT, LESS COVER, (AMERICAN STANDARD 5905.100). PROVIDE EXPOSED WATER CLOSET FLUSHOMETER, CHROME PLATED, 1.28 GPF (SLOAN 111-128). FLUSH CONTROL MUST BE LOCATED ON OPEN SIDE OF WATER CLOSET.                                                                                                                                                                                               |
| UR-1                                                                                                              | URINAL - HIGH EFFICIENCY, WALL MOUNTED W/FLUSH VALVE | 2"           | 2"          | 2"       | 1"           | ---      | 3/4"        | ---      | WALL MOUNTED, FLUSH VALVE URINAL (AMERICAN STANDARD 6561.017), 0.5 GPF, WHITE VITREOUS CHINA. HIGH EFFICIENCY "WATERSENSE" LISTED. PROVIDE ZURN 1222 SUPPORT SYSTEM. COORDINATE MOUNTING HEIGHT(S) AND ADA DESIGNATIONS WITH ARCHITECTURAL DRAWINGS. PROVIDE CHROME PLATED URINAL FLUSHOMETER, 0.5 GPF (AMERICAN STANDARD "FLOWISE" 6045.051.002).                                                                                                                                                                                                                  |
| SH-1                                                                                                              | SHOWER                                               | 3"           | 3"          | 2"       | 1/2"         | 1/2"     | 1/2"        | 1/2"     | CRAWFORD SHOWER TRIM (TUG12507.002), WITH PRESSURE BALANCING VALVE (R1205S). PROVIDE SHOWER DRAIN WITH FLASHING COLLAR AND ROUND TOP ADJUSTABLE STRAINER HEAD (J.R. SMITH #2010). SHOWER ENCLOSURE AS SPECIFIED BY ARCHITECT.                                                                                                                                                                                                                                                                                                                                       |
| SK-1                                                                                                              | STAINLESS SINK, DROP-IN, DOUBLE-BOWL (ADA)           | 2"           | 1 1/2"      | 2"       | 1/2"         | 1/2"     | 3/8"        | 3/8"     | STAINLESS STEEL DOUBLE BOWL SINK (KEWAUNEE SCIENTIFIC 1005-00), 2 HOLES. ARC FAUCET WITH 4" WRISTBLADE HANDLES (SG0340-DVA). BOWL DIMENSIONS: 14" L, 15.75" W, 7" D. OVERALL DIMENSIONS 17"L, 21 1/4" W. PROVIDE CHROME PLATED BRASS ANGLE SUPPLY STOPS, 12" LONG X 3/8" FLEX SUPPLIES. PROVIDE BASKET STRAINER (ZURN Z8741-55).                                                                                                                                                                                                                                    |
| SK-2                                                                                                              | LAB ROOM SINK                                        | 2"           | 1 1/2"      | 2"       | 1/2"         | 1/2"     | 3/8"        | 3/8"     | STAINLESS STEEL SINGLE BOWL SINK (KEWAUNEE SCIENTIFIC 1005-00), 2 HOLES. ARC FAUCET WITH 4" WRISTBLADE HANDLES (SG0340-DVA). BOWL DIMENSIONS: 14" L, 15.75" W, 7" D. OVERALL DIMENSIONS 17"L, 21 1/4" W. PROVIDE CHROME PLATED BRASS ANGLE SUPPLY STOPS, 12" LONG X 3/8" FLEX SUPPLIES. PROVIDE BASKET STRAINER (ZURN Z8741-55).                                                                                                                                                                                                                                    |
| MS-1                                                                                                              | MOP SINK                                             | 3"           | 3"          | 2"       | 1/2"         | 1/2"     | 1/2"        | 1/2"     | 24"X24" FLOOR BASIN (FIAT MSB-2424) AND SERVICE FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT (B30-AA). PROVIDE HOSE AND BRACKET (B32-AA), MOP HANGER (B89-CO), STAINLESS STEEL BUMPERGUARD (E-88-AA) AND STAINLESS STEEL WALL GUARD (MSG2424).                                                                                                                                                                                                                                                                               |
| ESH-1                                                                                                             | EMERGENCY SHOWER WITH EYE/FACE WASH (FREESTANDING)   | 1 1/4"       | 1 1/4"      | ---      | 1"           | 1"       | 1"          | 1"       | FREESTANDING EMERGENCY SHOWER WITH EYE/FACE WASH (HAWES CORPORATION B309PCP). STAINLESS STEEL PULL ROD FOR SHOWER. EYE/FACE WASH SHALL HAVE PLASTIC BOWL, TWO SPRAY HEADS WITH DUST COVERS & FLAG HANDLE. PROVIDE 1/2"FC20" OPTION TO REGULATED SHOWER FLOWRATE TO 20GPM. PROVIDE 1/2"TMV" OPTION FOR FACTORY PROVIDED MIXING VALVE TO TEMPER WATER TO 85 DEGREES.                                                                                                                                                                                                  |
| FD-1                                                                                                              | FLOOR DRAIN - GENERAL PURPOSE                        | 3"           | 3"          | 2"       | ---          | ---      | ---         | ---      | GENERAL PURPOSE FLOOR DRAIN (J.R. SMITH #2005) WITH FLASHING COLLAR, ADJUSTABLE STRAINER HEAD & 5" ROUND NICKEL BRONZE REMOVABLE STRAINER. PROVIDE SQUARE REMOVABLE STRAINER FOR TILE APPLICATIONS. PROVIDE ASSE 1072 TRAP SEALER (ZURN Z1072).                                                                                                                                                                                                                                                                                                                     |
| FCO                                                                                                               | FLOOR CLEANOUT                                       | see plan     | see plan    | ---      | ---          | ---      | ---         | ---      | FLOOR CLEANOUT WITH CAST IRON BODY AND ADJUSTABLE NICKEL BRONZE TOP (J.R. SMITH 4031). CLEANOUT SIZE SHALL MATCH LINE SIZE.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| AAV-1                                                                                                             | AIR ADMITTANCE VALVE                                 | ---          | ---         | see plan | ---          | ---      | ---         | ---      | STUDOR "MINI VENT", MODEL 20301 OR "MAXI VENT", MODEL 20302, IN ACCORDANCE WITH SIZE ON PLANS. INSTALL AT LEAST 4" ABOVE THE HORIZONTAL BRANCH DRAIN.                                                                                                                                                                                                                                                                                                                                                                                                               |
| MV-1                                                                                                              | MIXING VALVE (POINT OF USE)                          | ---          | ---         | ---      | 1/2"         | 1/2"     | 3/8"        | 3/8"     | POINT-OF-USE THERMOSTATIC MIXING VALVE (LEONARD #170-LF) WITH INTEGRAL INLET CHECK VALVES, TEMPERATURE ADJUSTMENT KNOB WITH LOCK SCREW, LEAD FREE. ASSE STANDARD 1070. MINIMUM FLOW 0.25 GPM, 5 PSI DROP @ 1.7 GPM.                                                                                                                                                                                                                                                                                                                                                 |
| WHA-X                                                                                                             | WATER HAMMER ARRESTOR                                | ---          | ---         | ---      | see plan     | ---      | see plan    | ---      | WATER HAMMER ARRESTOR, ASSE 1010 (J.R. SMITH SERIES 5005-5050), 'X' IN 'WHA-X' REFERS TO FDI SIZE INDICATED ON DRAWINGS.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ET-1                                                                                                              | POTABLE WATER EXPANSION TANK                         | ---          | ---         | ---      | 3/4"         | ---      | 3/4"        | ---      | LEAD-FREE POTABLE WATER EXPANSION TANK (WATTS PLT-5). 2.1 GALLONS TOTAL VOLUME, 0.8 GALLONS MAXIMUM ACCEPTANCE VOLUME. TANK SHALL BE PRE-CHARGED TO THE SYSTEM PRESSURE PRIOR TO INSTALLATION (CONTRACTOR TO FIELD-VERIFY).                                                                                                                                                                                                                                                                                                                                         |
| FWH-1                                                                                                             | FREEZEPROOF WALL HYDRANT IN BOX                      | ---          | ---         | ---      | 3/4"         | ---      | 3/4"        | ---      | CONCEALED 3/4" HOSE CONNECTION IN WALL BOX, WITH INTEGRAL AUTOMATIC DRAINING, ANTI-SIPHON VACUUM BREAKER (J.R. SMITH 5509QT). LENGTH TO SUIT WALL THICKNESS. PROVIDED WITH QUARTER TURN, SQUARE FITTING, T-HANDLE KEY.                                                                                                                                                                                                                                                                                                                                              |
| WSB-1                                                                                                             | WALL SUPPLY BOX                                      | ---          | ---         | ---      | see plan     | see plan | see plan    | see plan | WALL SUPPLY BOX (OATEY #385xx386xx SERIES), 6"X6". LOW LEAD, 1/4 TURN BRASS VALVE WITH INTEGRAL FACTORY INSTALLED WATER HAMMER ARRESTOR. WHERE BOX IS TO BE INSTALLED IN FIRE RATED WALL, PROVIDE OATEY 391xx SERIES.                                                                                                                                                                                                                                                                                                                                               |
| WMB-1                                                                                                             | WASHING MACHINE BOX                                  | 2"           | 2"          | 2"       | 1/2"         | 1/2"     | 1/2"        | 1/2"     | WASHING MACHINE CONNECTION BOX (OATEY 3874x SERIES), 1/4 TURN BRASS BALL VALVES WITH INTEGRAL FACTORY INSTALLED WATER HAMMER ARRESTORS. WHERE BOX IS TO BE INSTALLED IN FIRE RATED WALL, PROVIDE OATEY 3847x SERIES. INTERCEPT DRAINAGE HOSE FROM WASHING MACHINE AND INSTALL INLINE WALL MOUNTED CANISTER STYLE LINT TRAP WITH REMOVABLE FILTER (FILTROL 160, OR EQUAL). LINT TRAP DRAINS TO WALL BOX.                                                                                                                                                             |
| PRIOR TO SUBMITTAL OR PURCHASE, THE PLUMBING CONTRACTOR SHALL VERIFY FIXTURE SPECIFICATIONS WITH ARCHITECT/OWNER. |                                                      |              |             |          |              |          |             |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| ELECTRIC WATER HEATER SCHEDULE                                                                                                                                                                                                                             |               |                   |          |            |                |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|----------|------------|----------------|------|
| MARK                                                                                                                                                                                                                                                       | TANK CAPACITY | RECOVERY          | SETPOINT | ELECTRICAL | BASIS          | TYPE |
| WH-1                                                                                                                                                                                                                                                       | 30 GAL        | 23 GPH @ 80° RISE | 120°     | 4.5 KW     | RHEEM ELD30-TB | TALL |
| WH-1                                                                                                                                                                                                                                                       | 52 GAL        | 61 GPH @ 80° RISE | 120°     | 12.0 KW    | RHEEM ELD52-TB | TALL |
| PRIOR TO SUBMITTAL OR PURCHASE, THE PLUMBING CONTRACTOR SHALL VERIFY THE APPROPRIATE ELECTRICAL CHARACTERISTICS OF THE SELECTED WATER HEATER. COORDINATE DIRECTLY WITH THE ELECTRICAL CONTRACTOR AND THE POWER PANEL SCHEDULES ON THE ELECTRICAL DRAWINGS. |               |                   |          |            |                |      |

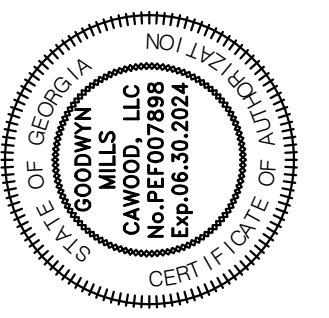


**PROFICIENT**  
ENGINEERING

3150 Holcomb Bridge Road  
Norcross, Georgia 30071  
404.330.9788  
PROJECT # 125178



6120 Powers Ferry Road NW, Suite 200  
Atlanta, GA 30339  
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| DATE    |            | ISSUE |  | DESIGNER: |  | DRAWN BY: |    |
|---------|------------|-------|--|-----------|--|-----------|----|
| Bld Set | 03.19.2025 |       |  |           |  | LI        | MR |
|         |            |       |  |           |  |           |    |
|         |            |       |  |           |  |           |    |
|         |            |       |  |           |  |           |    |
|         |            |       |  |           |  |           |    |

Commerce 2.0 MGD  
Grove Creek WPCP  
Commerce, GA

GMC PROJ.# CATL230033  
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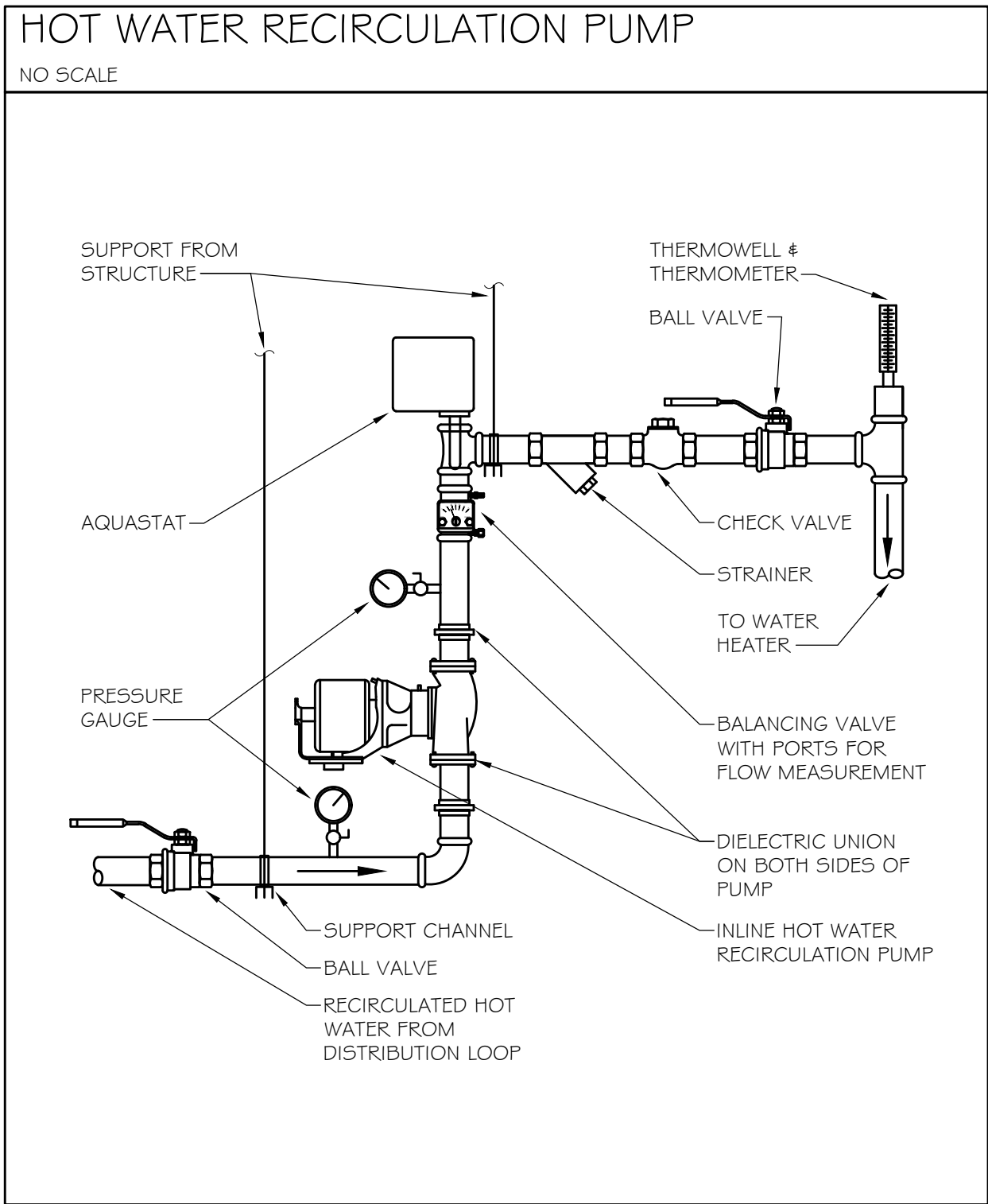
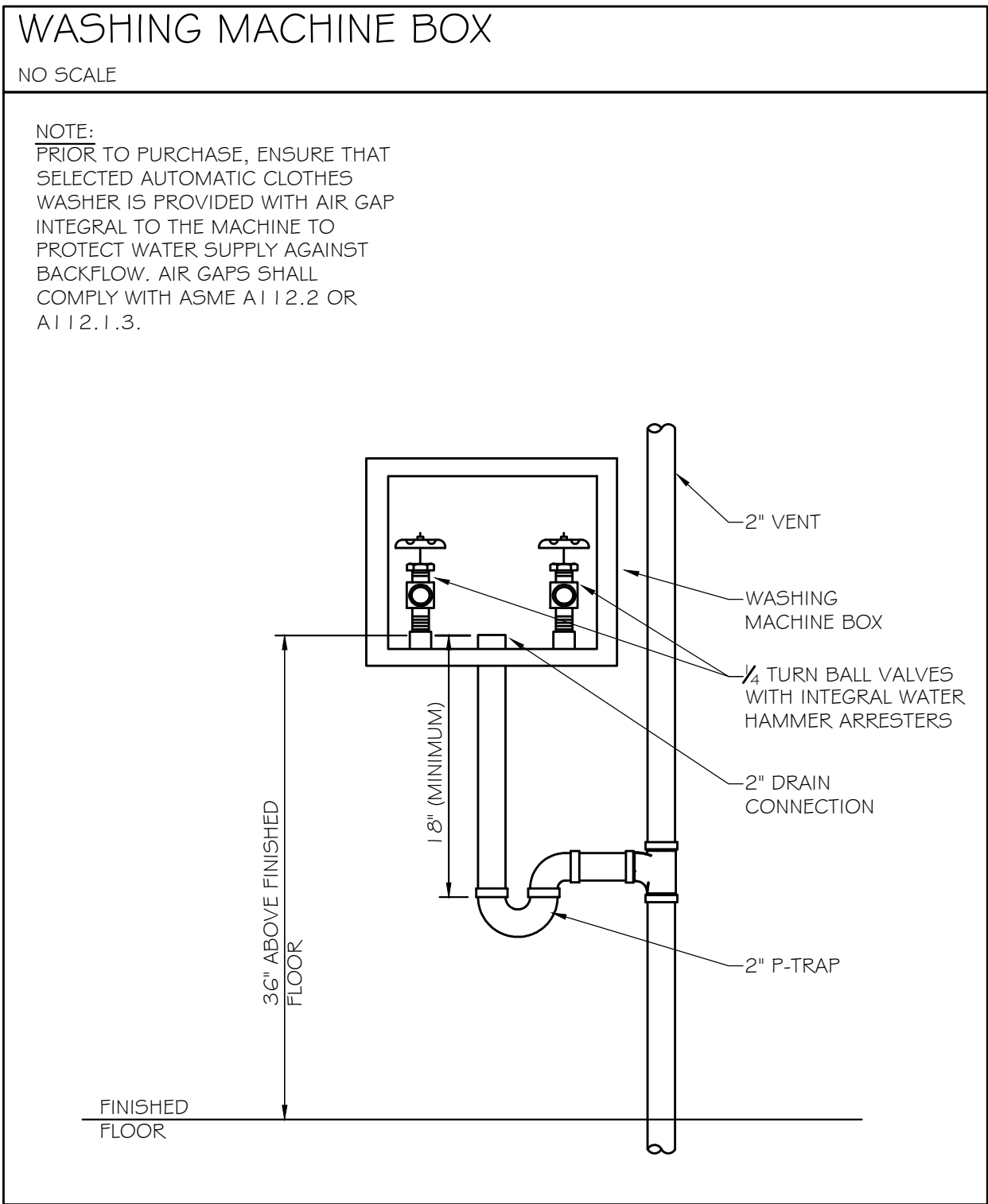
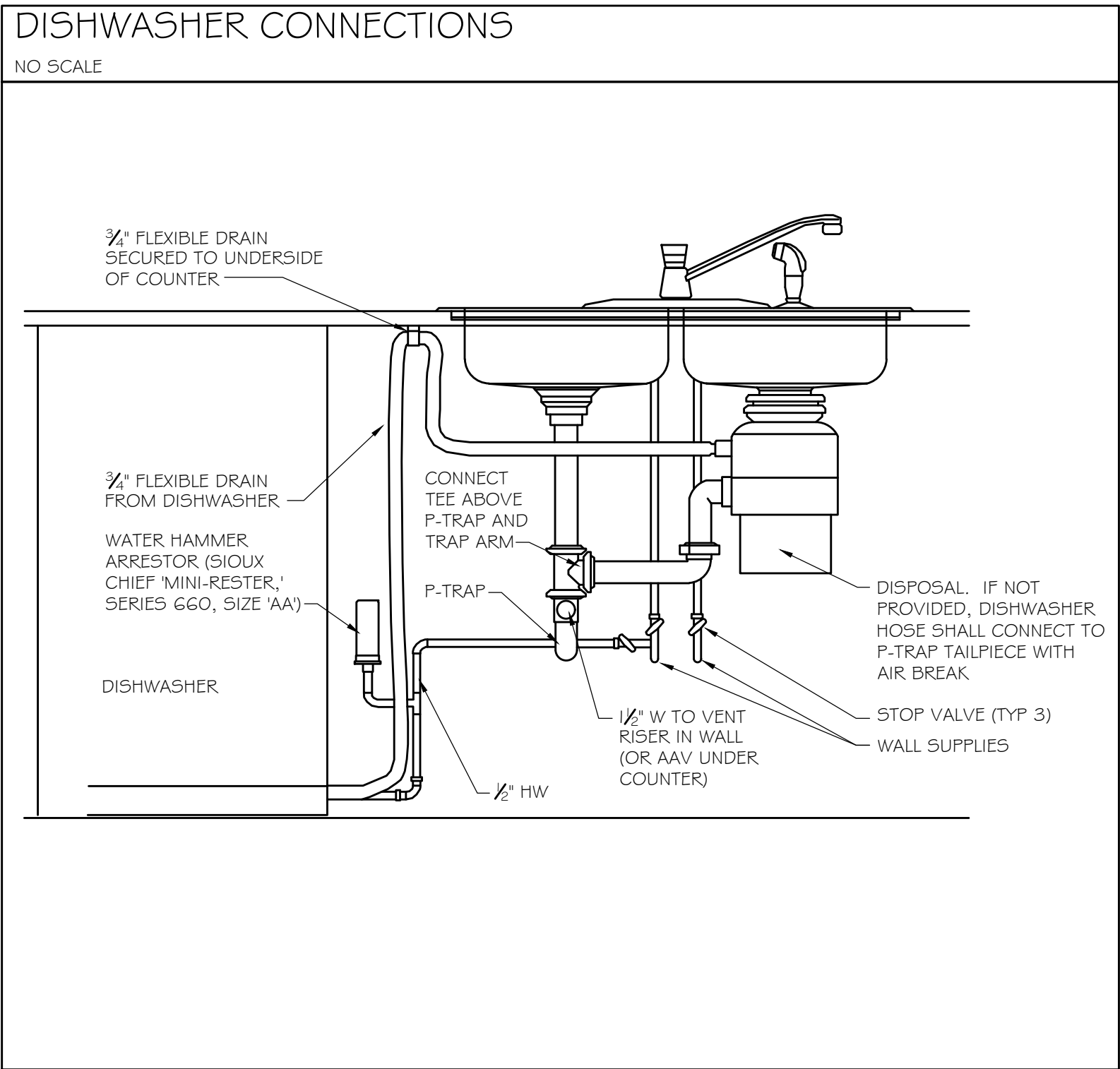
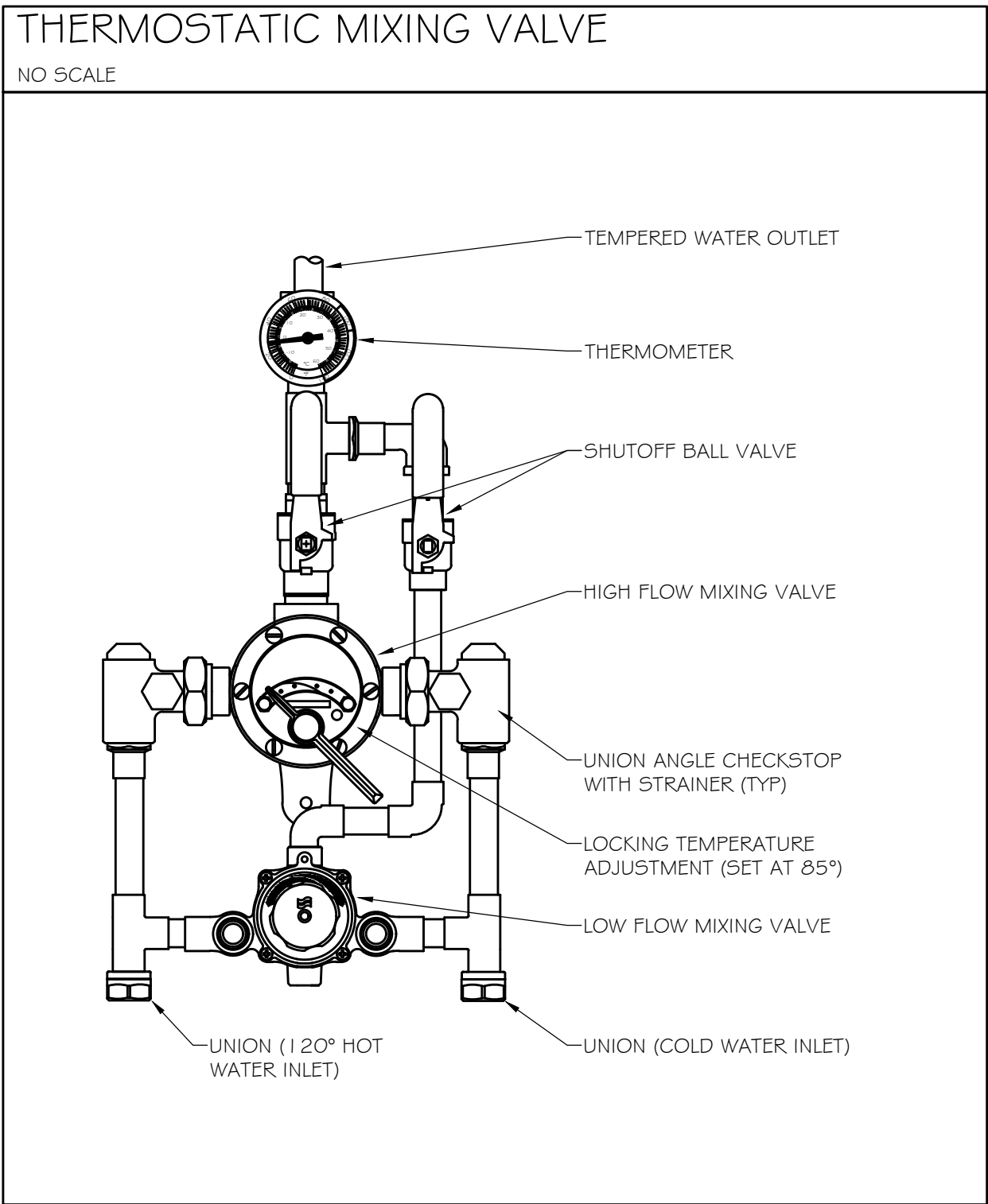
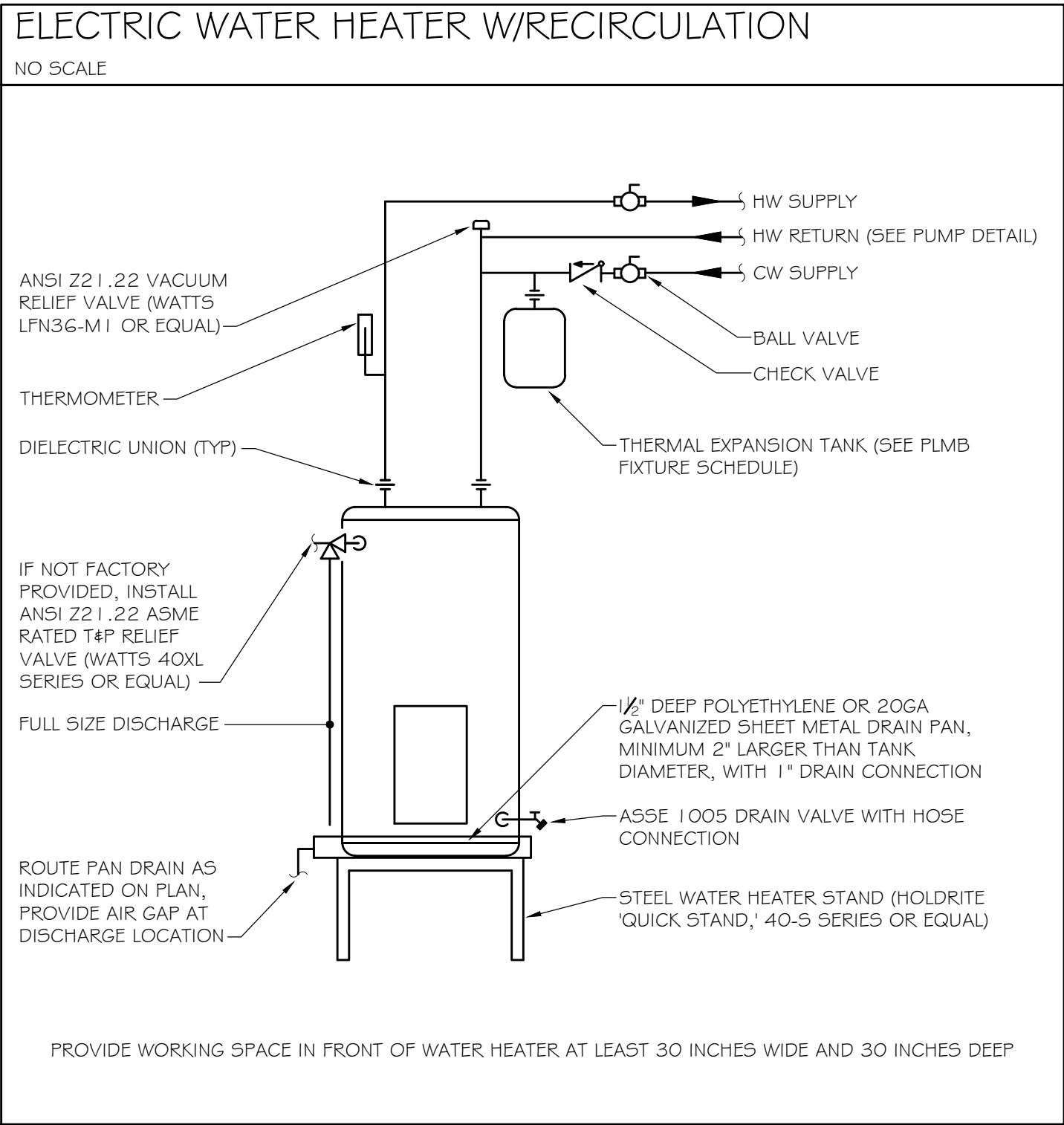
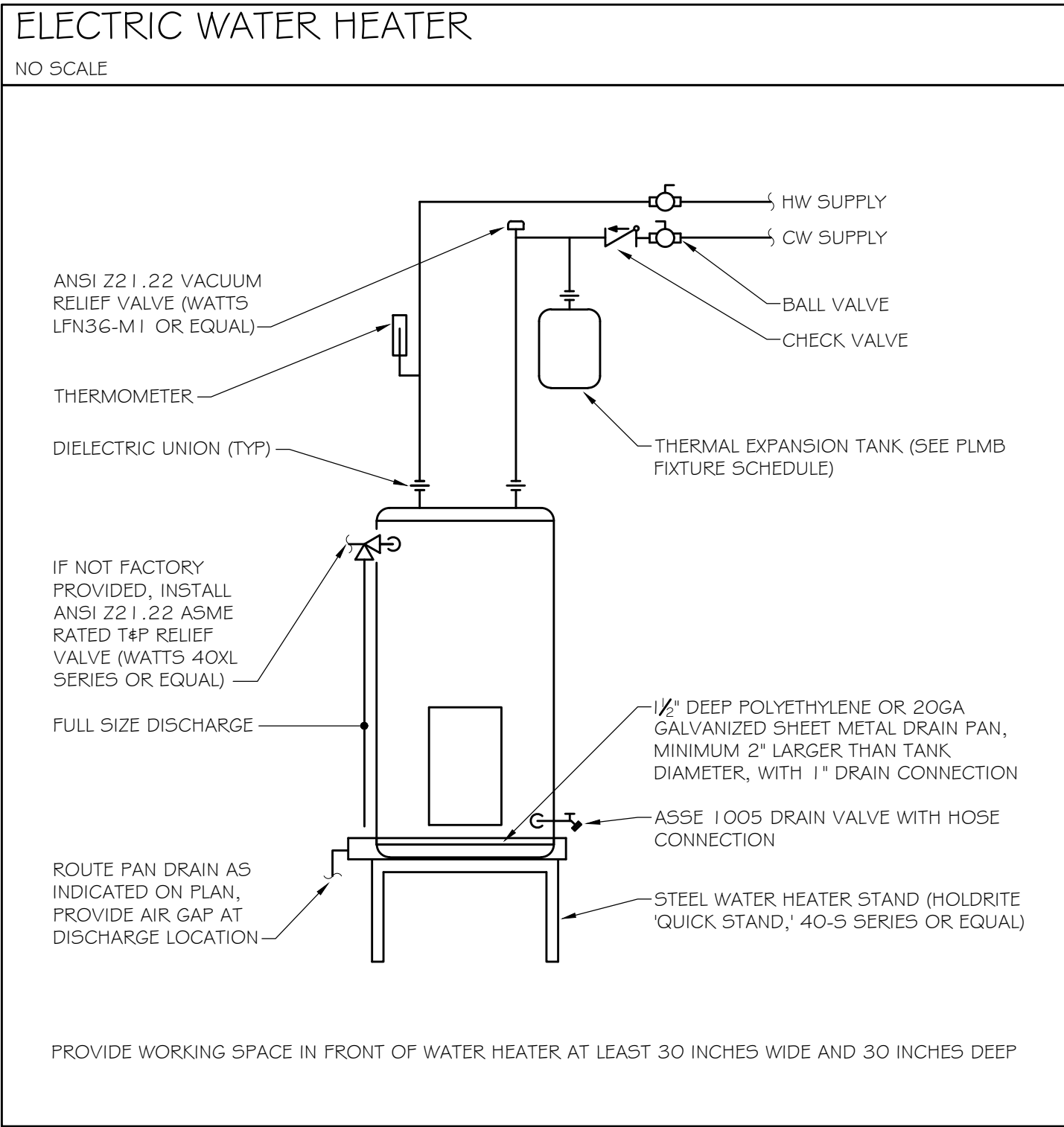
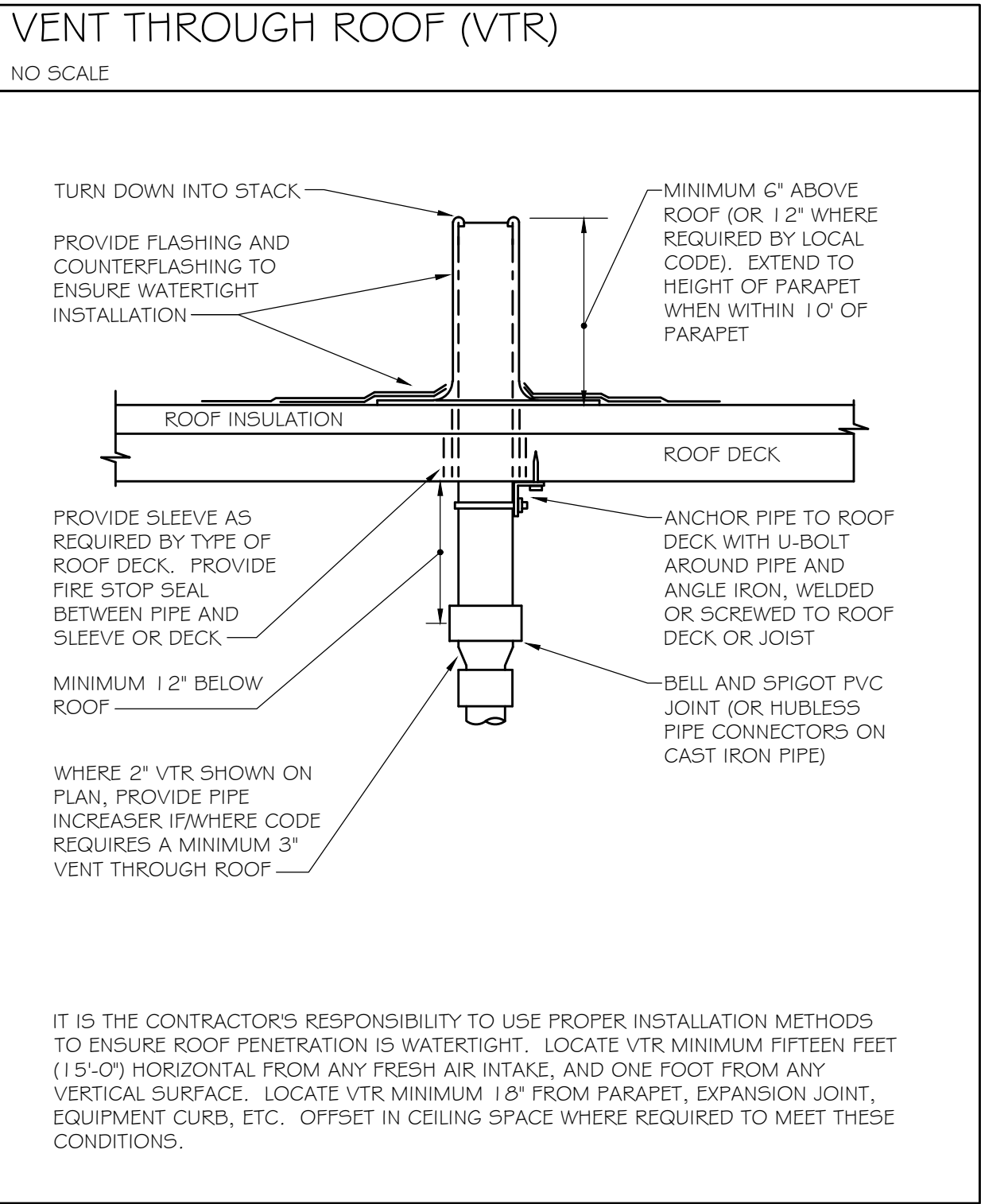


SCHEDULES

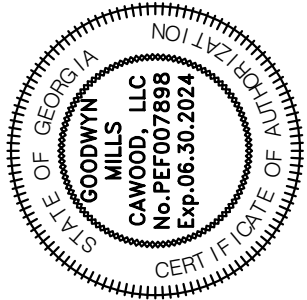
P-002

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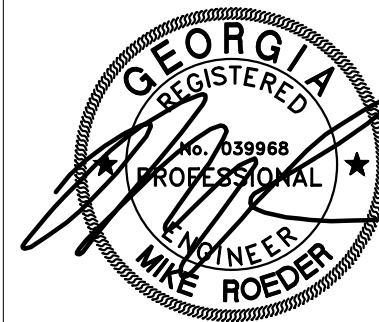


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| DESIGNER | LI         |
| DRAWN BY | MR         |

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Grove Creek WPCP  
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**GMC PROJ.# CATL230033**  
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DETAILS

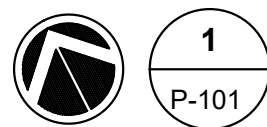
**P-003**

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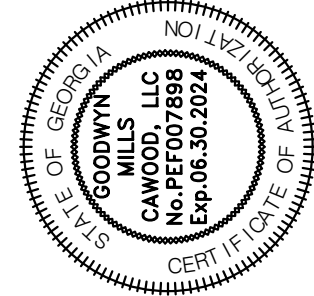






2-101 SCALE: 1/4" = 1' - 0"

- ① 2" V DN
- ② 2" VENT TO AIR ADMITTANCE VALVE AAV-1 UNDER COUNTER
- ③ 3" V UP TO 3" VTR
- ④ 4" S B/G, SEE CIVIL DWG FOR CONT
- ⑤ CONNECT DISHWASHER HOSE TO SINK P-TRAP (OR DISPOSER, AS APPLICABLE) WITH AIR BREAK, SEE DETAIL
- ⑥ DISCHARGE WATER HEATER PAN DRAIN TO FLOOR DRAIN WITH AIR GAP
- ⑦ CONNECT STEAM SCRUBBER HOSE TO SINK P-TRAP (OR DISPOSER, AS APPLICABLE) WITH AIR BREAK, SEE DETAIL



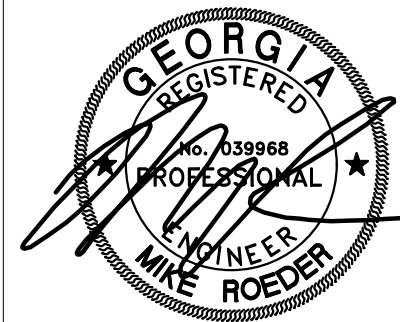
| ISSUE     | DATE       |
|-----------|------------|
| Bld Set   | 03.19.2025 |
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| DESIGNER: | LI         |
| DRAWN BY: | MR         |

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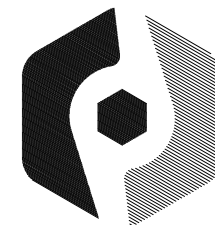
GMC PROJ.# CATL230033

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ADMIN BUILDING  
FLOOR PLAN - WASTE  
& VENT

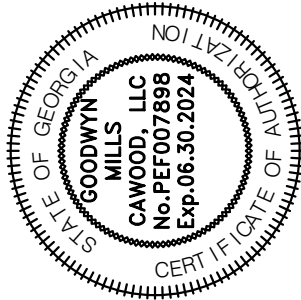
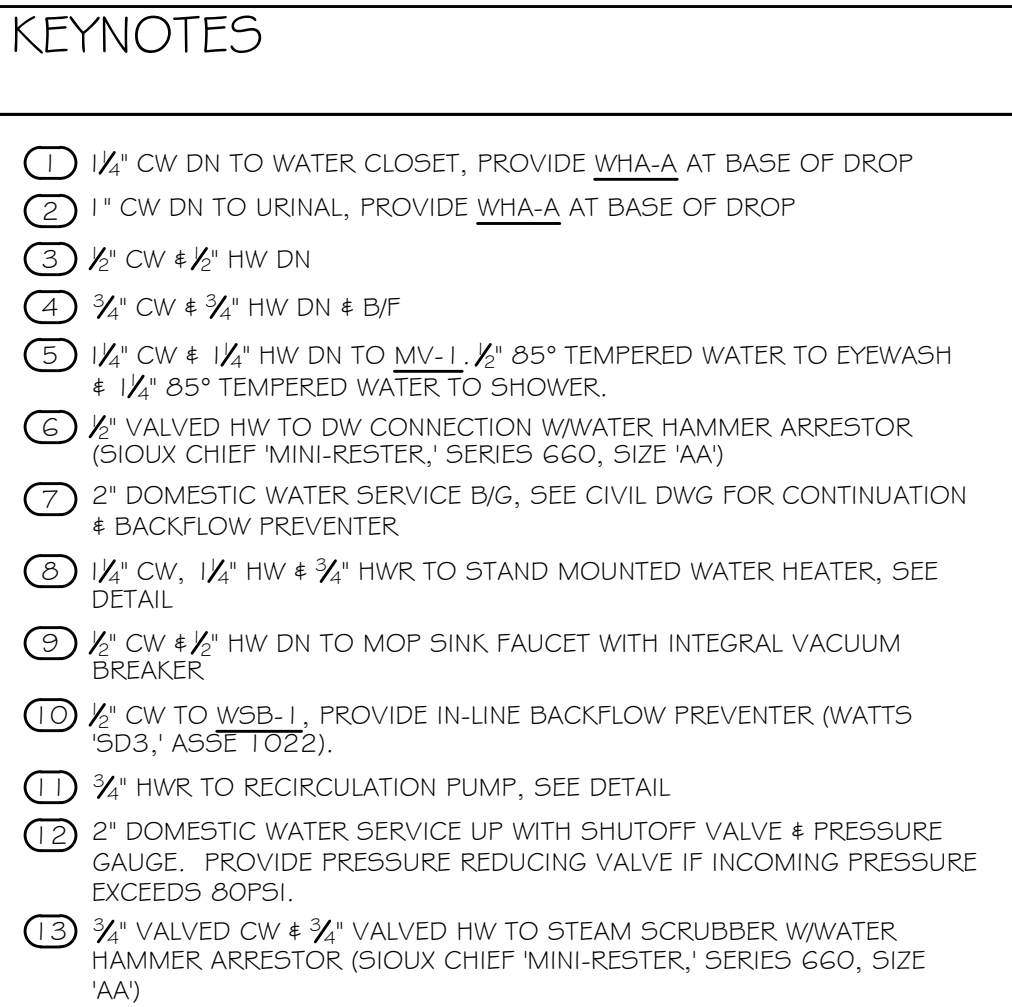
# P-101



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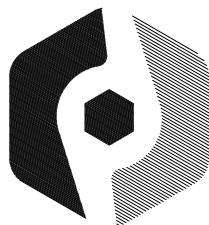
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| DRAWN BY: | MR         |

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ADMIN BUILDING  
FLOOR PLAN - WATER

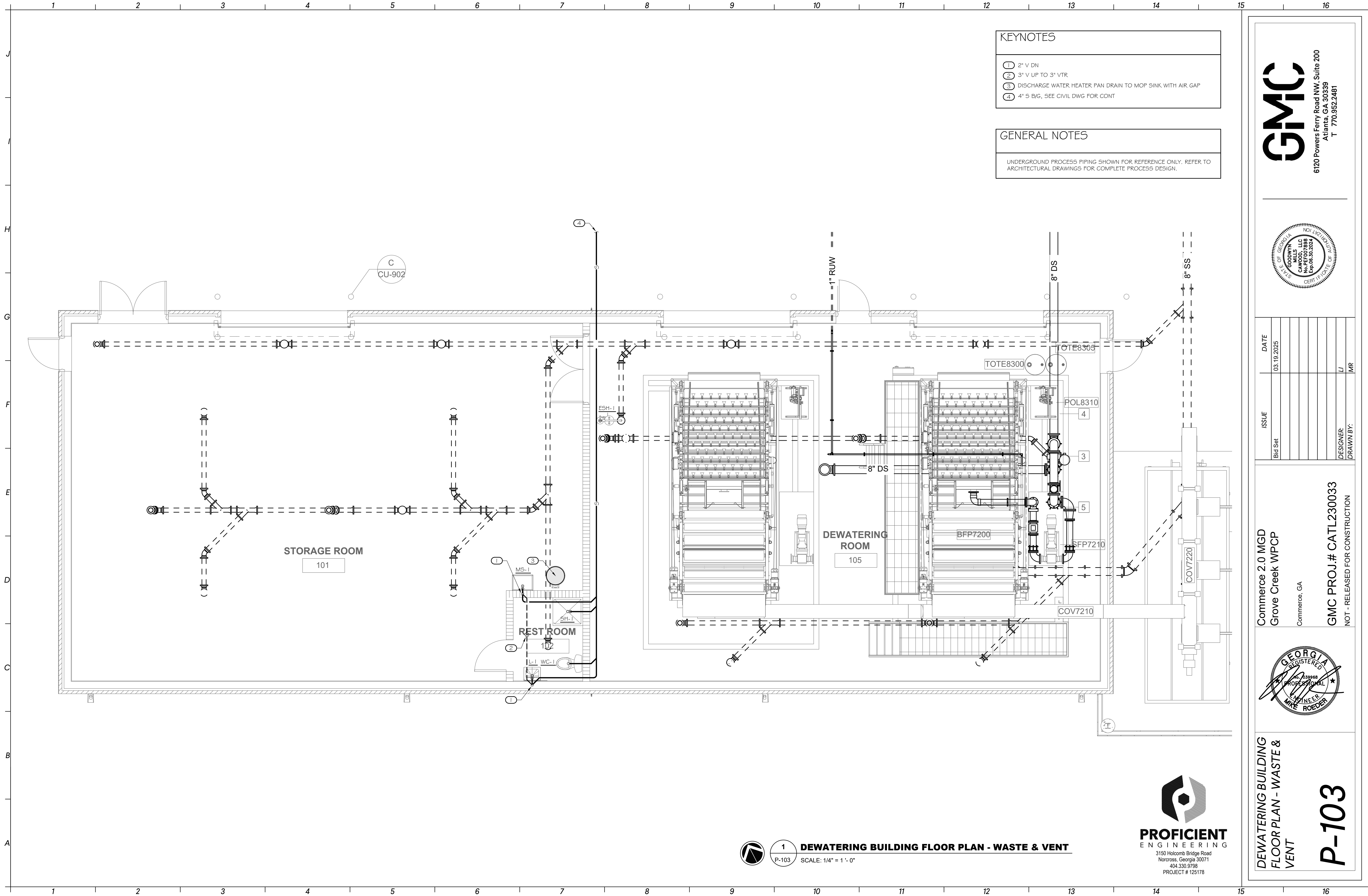
# P-102



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 **1 ADMIN BUILDING FLOOR PLAN - WATER**  
P-102 SCALE: 1/4" = 1' - 0"





- KEYNOTES
- 1

2" V DN
- 2

3" V UP TO 3" VTR
- 3

DISCHARGE WATER HEATER PAN DRAIN TO MOP SINK WITH AIR GAP
- 4

4" S B/G, SEE CIVIL DWG FOR CONT

GENERAL NOTES

UNDERGROUND PROCESS PIPING SHOWN FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR COMPLETE PROCESS DESIGN.

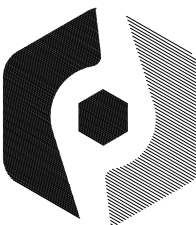


1

P-103

DEWATERING BUILDING FLOOR PLAN - WASTE & VENT

SCALE: 1/4" = 1' - 0"

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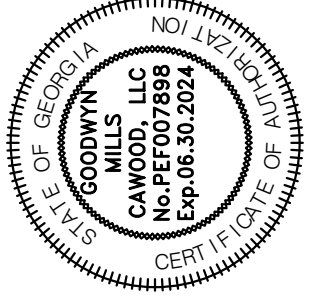
DEWATERING BUILDING  
FLOOR PLAN - WASTE &  
VENT

P-103

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Grove Creek WPCP  
Commerce, GA

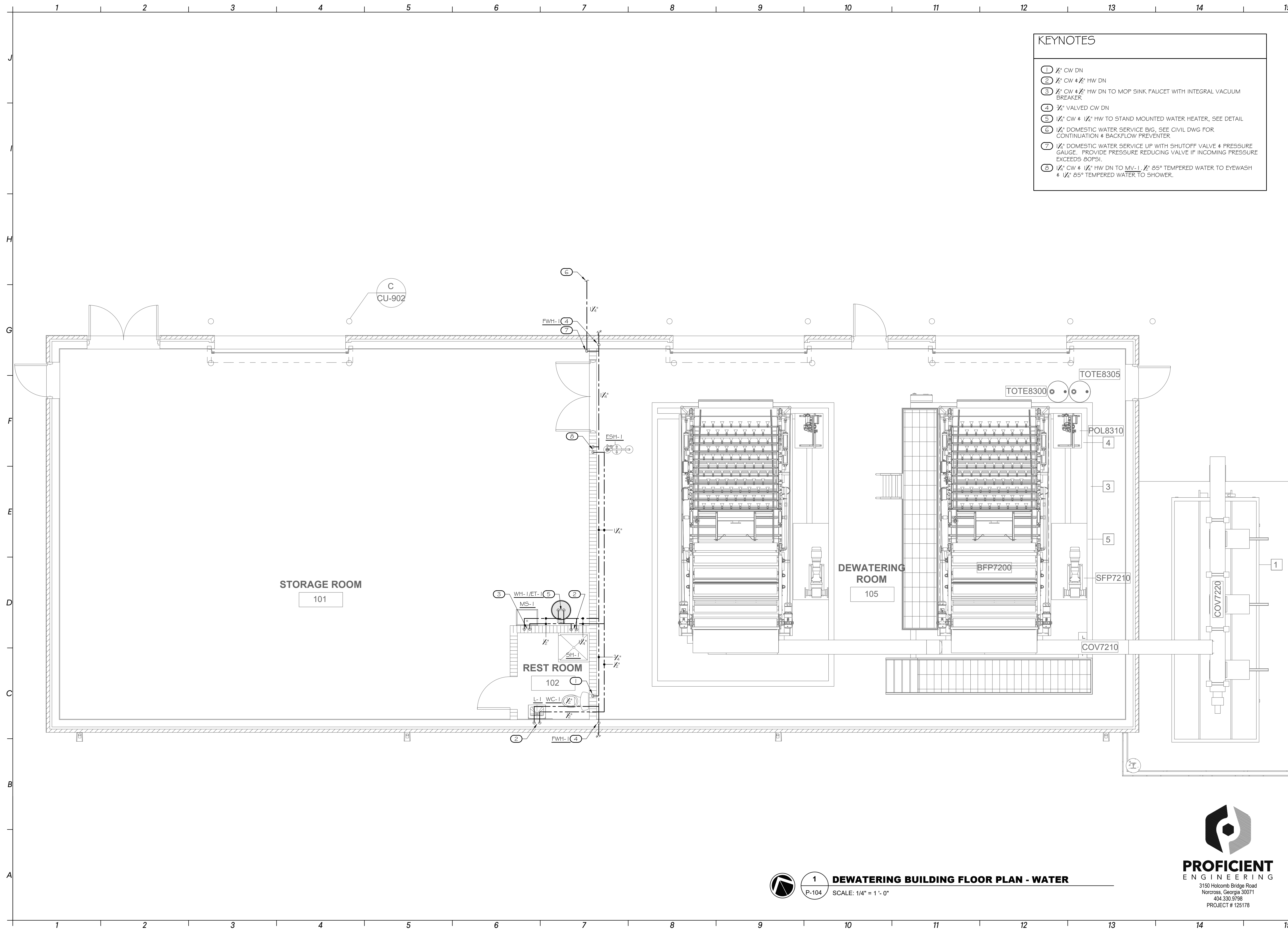
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| DRAWN BY: |  | IMR        |



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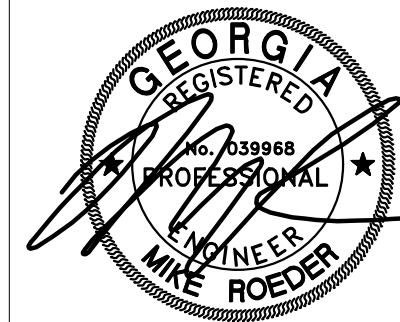


Commerce 2.0 MGD  
Grove Creek WPCP

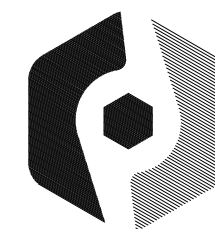
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DEWATERING BUILDING  
FLOOR PLAN - WATER

**P-104**



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# 1 P-104 DEWATERING BUILDING FLOOR PLAN - WATER SCALE: 1/4" = 1' - 0"

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