

PLUMBING PLAN

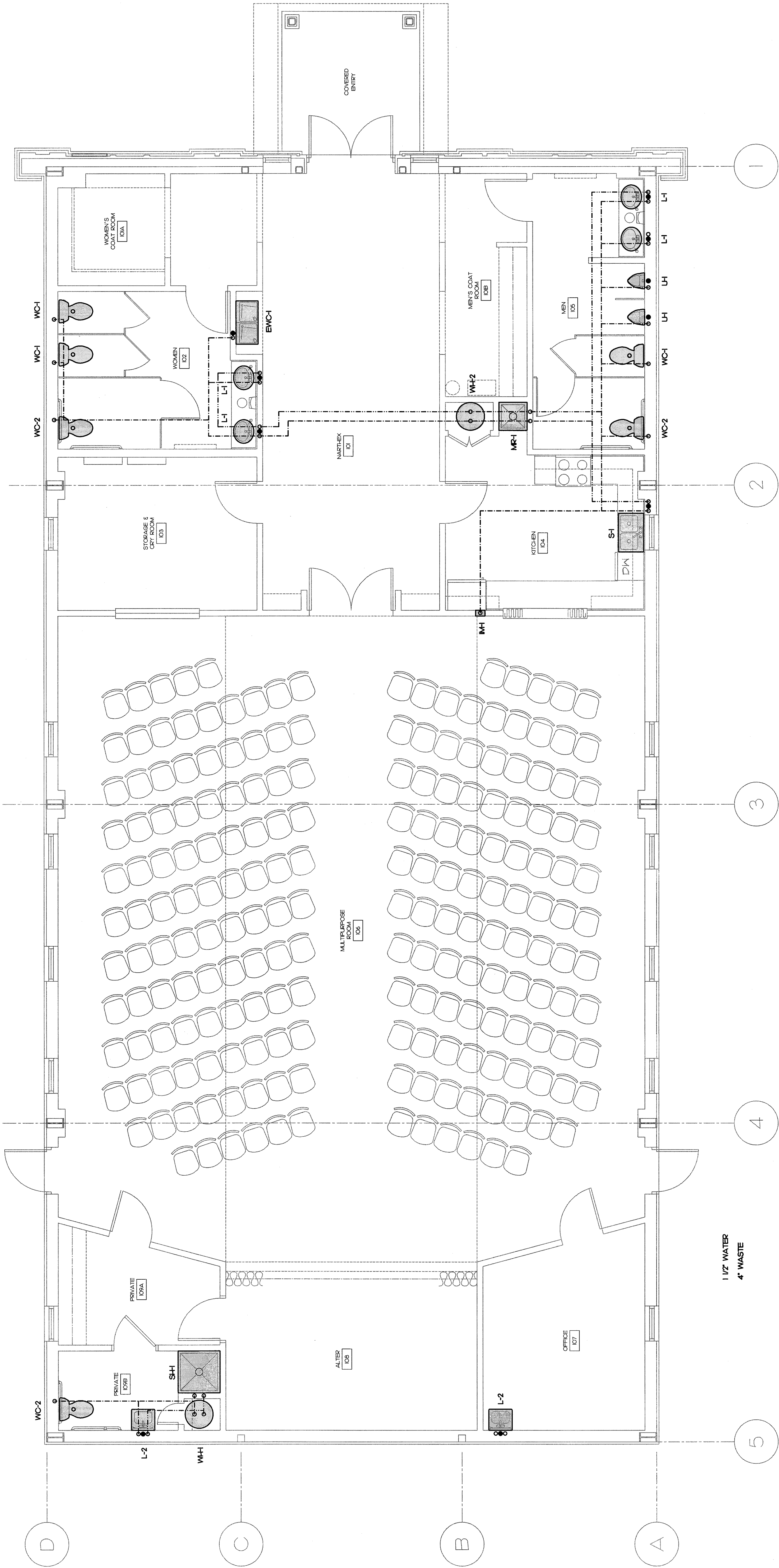
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| DATE      | 08/25/11 |
| DR.       | DRD      |
| CH.       | JBD      |
| PROJ. #   | 10058    |
| REVISIONS | DATE     |
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MAURER ARCHITECTURE  
119 EAST HARGETT STREET, SUITE 300  
RALEIGH, NC 27601  
TEL. 919-829-4969 FAX. 919-829-0860

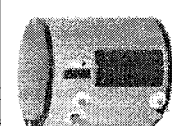
PROGRESS  
DRAWING  
NOT RELEASED  
FOR CONSTRUCTION

ATLANTEC  
ENGINEERS, P.A.  
222 BLUE RIDGE ROAD, SUITE 113  
RALEIGH, NC 27602  
(919) 971-1111  
1055 ST. JAMES PLACE  
KINSTON, NC 28604  
(252) 527-3336

NEW BUILDING FOR:  
ST. GREGORIOUS  
Indian Orthodox Church  
RALEIGH, NORTH CAROLINA



## PLUMBING FIXTURE SCHEDULE

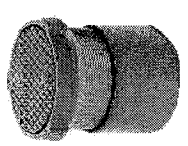
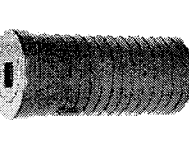
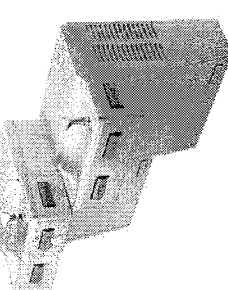
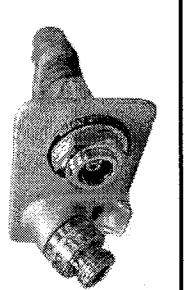
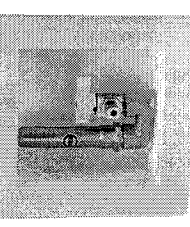
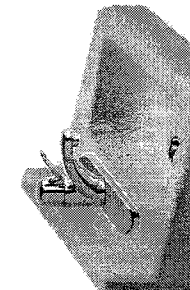
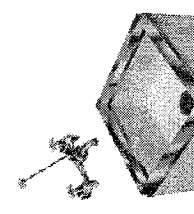
| SYMBOL / IMAGE                                                                                                                                                                                                                                                                                                                                                                                                                             | DESCRIPTION                                                                                                                                                                                                                                                                                                   | 3 - EQUALS       |              |              |              |                   |              |              |            |           |                | PPING CONNECTIONS |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|--------------|-------------------|--------------|--------------|------------|-----------|----------------|-------------------|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                               | MANUFACTURER     | MODEL NUMBER | MANUFACTURER | MODEL NUMBER | MANUFACTURER      | MODEL NUMBER | MODEL NUMBER | COLD WATER | HOT WATER | SANITARY SEWER |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | URNAL                                                                                                                                                                                                                                                                                                         | KOHLER           | K-506-T      | ELLER        | KA090        | AMERICAN STANDARD | 64UB2        |              |            |           | 2              |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | VALVE                                                                                                                                                                                                                                                                                                         | SLOAN            | B6           | DELANT       | F43H         | ZURN              | Z609-AV      | 1            | -          |           |                |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | CARRIER                                                                                                                                                                                                                                                                                                       | ZURN             | Z-523        | JR SMITH     | 636          | MFAB              | MC-31        |              |            |           |                |                   |  |  |
| URNAL SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND 3/4" TOP SPID. EXPOSED CHROME PLATED FLUSH VALVE WITH 3/4" CHROME PLATED SPID COUPLING AND FLANGE                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                               |                  |              |              |              |                   |              |              |            |           |                |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | WATER CLOSET                                                                                                                                                                                                                                                                                                  | KOHLER           | K-3422       | ELLER        | 09-1025      | TOTO              | CST744S      |              |            |           | 4"             |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | SEAT                                                                                                                                                                                                                                                                                                          | KOHLER           | K-4570-C     | ELLER        | 124-0965     | TOTO              | S2B4         |              |            |           |                |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | SUPPLY                                                                                                                                                                                                                                                                                                        | McQUE            | B5           | KOHLER       | K-7638       | ELLER             | 800-0025     | 1/2"         | -          |           |                |                   |  |  |
| TOILET SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND A 12" ROUGH-IN. TOILET SHALL INCLUDE POLISHED CHROME TRIP LEVER. SEAT SHALL BE EXTRA HEAVY WEIGHT SOLID PLASTIC WITH OPEN FRONT LESS COVER FOR ELONGATED BOWL. SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS, FULL TURN BRASS STEM AND FLANGE. INLET SHALL BE 3/8" IPS. OUTLET SHALL BE 3/8" IPS.                                                                      |                                                                                                                                                                                                                                                                                                               |                  |              |              |              |                   |              |              |            |           |                |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | WATER CLOSET                                                                                                                                                                                                                                                                                                  | KOHLER           | K-3427       | ELLER        | 09-1045      | TOTO              | CST704L      |              |            |           | 4"             |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | SEAT                                                                                                                                                                                                                                                                                                          | KOHLER           | K-4570-C     | ELLER        | 124-0965     | TOTO              | S2B4         |              |            |           |                |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | SUPPLY                                                                                                                                                                                                                                                                                                        | McQUE            | B5           | KOHLER       | K-7638       | ELLER             | 800-0025     | 1/2"         | -          |           |                |                   |  |  |
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|                                                                                                                                                                                                                                                                                                                                                         | WATER HEATER                                                                                                                                                                                                                                                                                                  | STATE INDUSTRIES | POE 30 X05A  | A.Q. SMITH   |              | LOCHINVAR         |              | 3/4"         | 3/4"       |           |                |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | ELECTRIC WATER HEATER SHALL HAVE A 30 GALLON STORAGE CAPACITY, AN ELECTRIC INLET OF 40 KW AT 208 VOLT, SINGLE PHASE AND A RECOVERY OF 24 GRH AT A 100°F RSE. PROVIDE WITH THERMOSTATIC MIXING VALVE SET AT 107°F. EXPANSION TANK AND HEAVY DUTY FUSIBLE DISCONNECT, WIRING BY LICENSED ELECTRICAL CONTRACTOR. |                  |              |              |              |                   |              |              |            |           |                |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | WATER HEATER                                                                                                                                                                                                                                                                                                  | STATE INDUSTRIES | POE 50 X05A  | RHEEM/ULD    | ELD562       | LOCHINVAR         |              | 3/4"         | 3/4"       |           |                |                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | ELECTRIC WATER HEATER SHALL HAVE A 50 GALLON STORAGE CAPACITY, AN ELECTRIC INLET OF 90 KW AT 208 VOLT, SINGLE PHASE AND A RECOVERY OF 40 GRH AT A 100°F RSE. PROVIDE WITH THERMOSTATIC MIXING VALVE SET AT 107°F. EXPANSION TANK AND HEAVY DUTY FUSIBLE DISCONNECT, WIRING BY LICENSED ELECTRICAL CONTRACTOR. |                  |              |              |              |                   |              |              |            |           |                |                   |  |  |

### PLUMBING SCHEDULE NOTES AND LEGEND:

1. THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL.
2. SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.
3. PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.
4. REFER TO MANUFACTURERS WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.

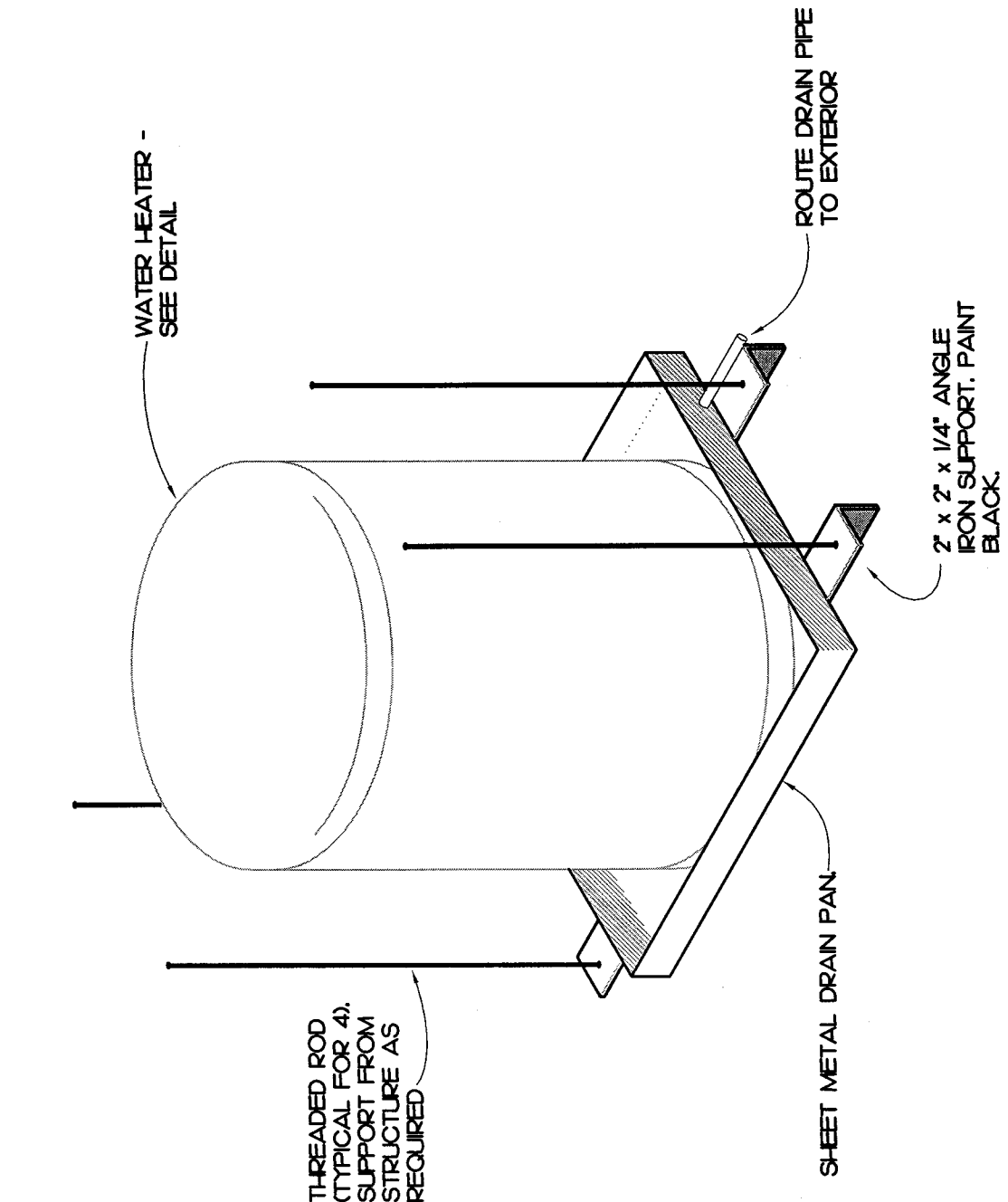
ADA COMPLIANT  
ELECTRICAL POWER

# PLUMBING FIXTURE SCHEDULE

| SYMBOL / IMAGE                                                                                | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 - EQUALS                                                           |                                               |                                              |                                                  |                                               | PPING CONNECTIONS                     |            |           |                       |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------|--------------------------------------------------|-----------------------------------------------|---------------------------------------|------------|-----------|-----------------------|
|                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MANUFACTURER                                                         | MODEL NUMBER                                  | MANUFACTURER                                 | MODEL NUMBER                                     | MANUFACTURER                                  | MODEL NUMBER                          | COLD WATER | HOT WATER | SANITARY SEWER        |
| BP-1<br>   | BACKFLOW PREVENTOR<br>MOUNT 24" ABOVE FINISHED FLOOR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WATTS                                                                | 007MOT-S                                      |                                              |                                                  |                                               |                                       | 1/2"       | -         | -                     |
| CO-1<br>   | FLOOR CLEANOUT<br>PVC CLEANOUT WITH AN ADJUSTABLE PVC RISER, NICKEL BRONZE FRAME AND COVER, AND AN ABS TAPER THREADED PLUG. CLEANOUT TO BE GAS AND WATERTIGHT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ZILRN                                                                | CO2449                                        | MFAB                                         |                                                  | JR SMITH                                      |                                       | -          | -         | SEE PLUMBING DRAWINGS |
| CO-2<br>   | EXTERIOR CLEANOUT<br>CLEANOUT HOUSING<br>HEAVY DUTY EXTERIOR FLOOR DRAIN WITH CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ZILRN<br>ZILRN                                                       | Z-400-HD<br>Z-4074                            | JOSAM                                        |                                                  | JR SMITH                                      | 56070                                 | 4243       | -         | SEE PLUMBING DRAWINGS |
| EW-1<br>   | WATER COOLER<br>PROVIDE WITH FRONT AND SIDE CONTROLS, SHUT-OFF VALVE, CARRIER, AND TRAP. PROVIDE STAINLESS STEEL FINISH, PROVIDE HIGH SIDE ON LEFT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OASS                                                                 | FRACSL                                        | ELKAY                                        | ESTLBC                                           | HALEY TAYLOR                                  | HACOFSEL-055                          | 1/2"       | -         | Z                     |
| HT<br>     | ANTI-FREEZE HOSE BIBB<br>ANTI-FREEZE HOSE BIBB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER. 3/4" INLET AND OUTLET. EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIBB. MOUNT 12" ABOVE FINISHED GRADE.                                                                                                                                                                                                                                                                                                                                                                                                                         | WOODFORD                                                             | 65                                            | MFAB                                         | HT-0000                                          | WADE                                          | W-8600-RTS                            | 3/4"       | -         | -                     |
| IM-1<br>   | ICE MAKER BOX<br>PLASTIC ICE MAKER BOX WITH VALVE, SUPPLY TUBE TO REFRIGERATOR, AND WATER HAMMER ARRESTOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | QATET CO.                                                            | 39008                                         | GUT GRAY                                     |                                                  |                                               |                                       | 1/2"       | -         | -                     |
| L-1<br>  | LAVATORY<br>FALCET<br>TRAP<br>SUPPLY<br>SELF-DRAINING LAVATORY SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH. HAVE 4" CENTERS. AN OVERFLOW AND INFLUDE SEULANT. FALCET SHALL BE CHROME. MOUNTED FALCET SHALL BE CHROME FINISH, SINGLE LEVER, 4" CENTERS. WITH 3/8" COPPER SUPPLY TUBE. NETS, AND PROVIDED WITH AN AERATOR. PGO SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS. FULL TURN BRASS STEM REDUCER, AND FLANGE. INLET SHALL BE 3/8" P.S. OUTLET SHALL BE 3/8" P.S. P-TRAP SHALL BE CHROME PLATED CAST BRASS BODY WITH CLEANOUT, CAST BRASS ELBOW AND CAST BRASS SIF NUT, AND FLANGE. PROVIDE WITH MAGLURE PROWRAP INSULATOR. | KOHLER<br>STYMONS<br>MAGLURE<br>MAGLURE                              | K-2896-4<br>S-66-G<br>8902<br>85LK            | ELLER<br>CHICAGO FAUCETS<br>ELLER<br>ELLER   | 08-384<br>802A-665<br>804-485<br>802-035         | AMERICAN STANDARD<br>MOEN<br>KOHLER<br>KOHLER | 0476C028<br>8896<br>K-8999<br>K-760HP |            | 1/2"      | 1/2"                  |
| L-2<br>  | LAVATORY<br>FALCET<br>TRAP<br>SUPPLY<br>WALL MOUNTING LAVATORY SHALL BE MADE OF CAST IRON WITH A WHITE FINISH. HAVE 4" CENTERS. AN OVERFLOW AND INFLUDE SEULANT. FALCET SHALL BE CHROME. MOUNTED FALCET SHALL BE CHROME FINISH, SINGLE LEVER, 4" CENTERS. WITH 3/8" COPPER SUPPLY TUBE. NETS, AND PROVIDED WITH AN AERATOR. PGO SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS. FULL TURN BRASS STEM REDUCER, AND FLANGE. INLET SHALL BE 3/8" P.S. OUTLET SHALL BE 3/8" P.S. P-TRAP SHALL BE CHROME PLATED CAST BRASS BODY WITH CLEANOUT, CAST BRASS ELBOW AND CAST BRASS SIF NUT, AND FLANGE. PROVIDE WITH MAGLURE PROWRAP INSULATOR.      | KOHLER<br>DELTA<br>MAGLURE<br>MAGLURE                                | K-2849-4<br>523-HOF-HGM<br>8902<br>85LK       | ELLER<br>CHICAGO FAUCETS<br>ELLER<br>ELLER   | 086-0174<br>Z200-4<br>804-485<br>802-035         | AMERICAN STANDARD<br>MOEN<br>KOHLER<br>KOHLER | 4669020<br>8470<br>K-8999<br>K-760HP  |            | 1/2"      | 1/2"                  |
| MR-1<br> | MOP RECEPTOR<br>FALCET<br>HOSE<br>MOP BRACKET<br>MOP RECEPTOR SHALL BE 24" x 24" x 12" DEEP WITH ONE PIECE STAINLESS STEEL CAP, NO FLANGES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | STERN WILLIAMS<br>STERN WILLIAMS<br>STERN WILLIAMS<br>STERN WILLIAMS | SR-900<br>T-0-1B<br>T-35<br>T-40              | FIAT<br>CHICAGO<br>FIAT<br>FIAT              | TSP-000<br>89P0F<br>882AA<br>8890C               |                                               |                                       |            |           | 3"                    |
| SH-1<br> | TILED SHOWER<br>VALVE AND HEAD<br>PROVIDE WITH DRAIN VALVE TO BE ANTI-SCALD PER NESC. PROVIDE WITH SEAT, GRAB BARS, AND CURTAIN OR DOOR AS REQUIRED PER ADA REQUIREMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CLARION BATHWARE<br>STYMONS                                          | MP3827EP34<br>4703                            | MOEN                                         |                                                  | POWERS                                        |                                       | 1/2"       | 1/2"      | Z                     |
| SI-1<br> | 2-COMPARTMENT SINK<br>FALCET<br>TRAP<br>SUPPLY<br>STRAINER<br>SINK IS TO BE 18 GAUGE STAINLESS STEEL, SELF-DRAINING, DECK MOUNTED. FALCET SHALL BE CHROME FINISH. WITH 1/2" INLET AND PROVIDED WITH AN AERATOR. PGO SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS AND FLANGE. INLET AND OUTLET SHALL BE 3/8" P.S. PROVIDE WITH DISHWASHER CONNECTION AND DISPOSAL. IF REQUIRED BY ARCHITECT, PROVIDE WITH MAGLURE PROWRAP INSULATOR AND SPRAYER NOZZLE WITH SINK.                                                                                                                                                                          | JST<br>DELTA<br>MAGLURE<br>MAGLURE<br>JST                            | DL-ADA-923-A-GR<br>400<br>8902<br>170<br>B-99 | ELKAY<br>KOHLER<br>KOHLER<br>KOHLER<br>ELKAY | LEAD-389<br>K-6572<br>K9999<br>K-76-4-P<br>LK-99 | MOEN<br>ELLER<br>BRASSCRAFT<br>DEARBORN       | 7437<br>804-485<br>CSA00AC            | 1/2"       | 1/2"      | Z                     |

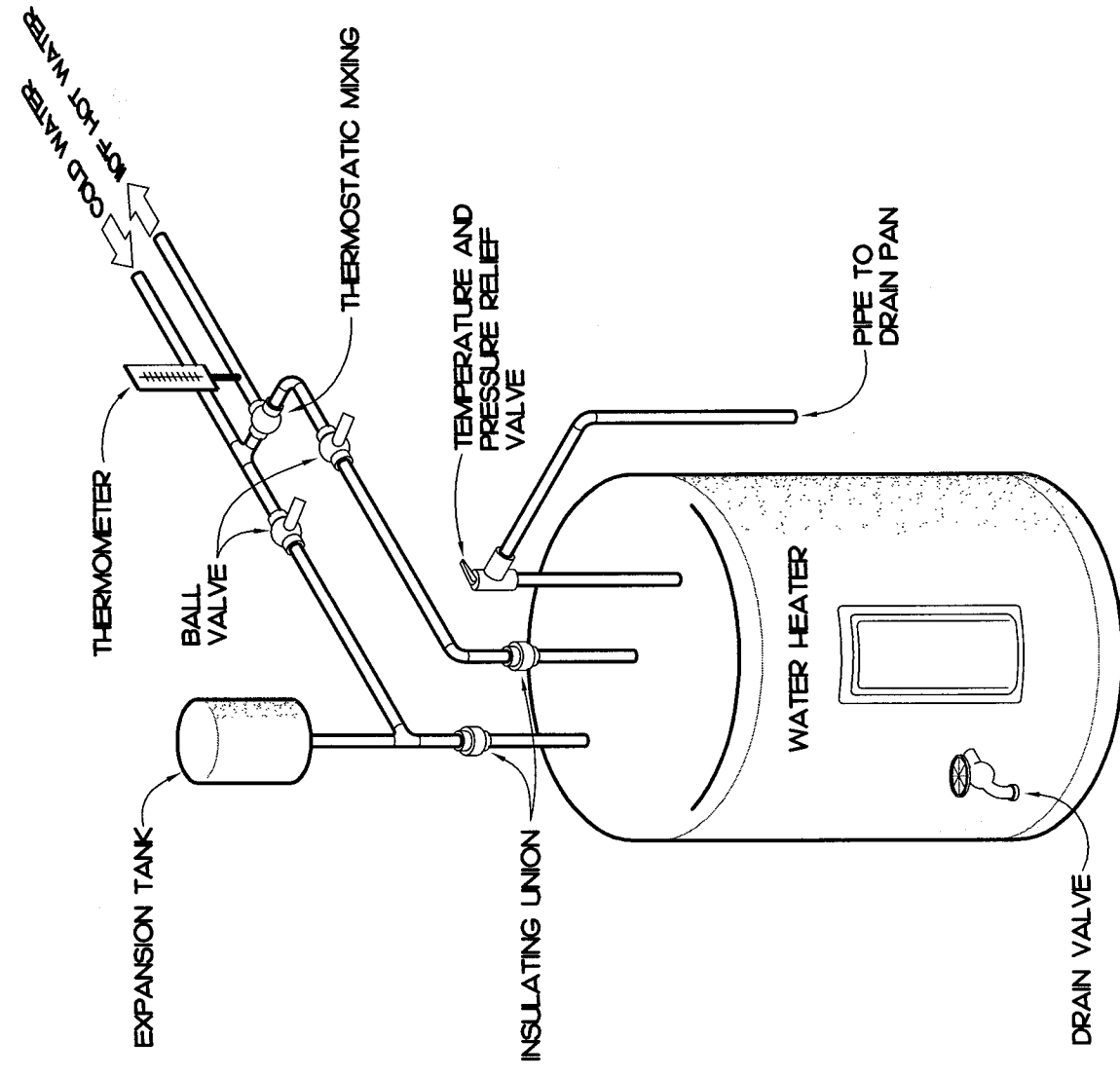
## 2 WATER HEATER MOUNTING DETAIL

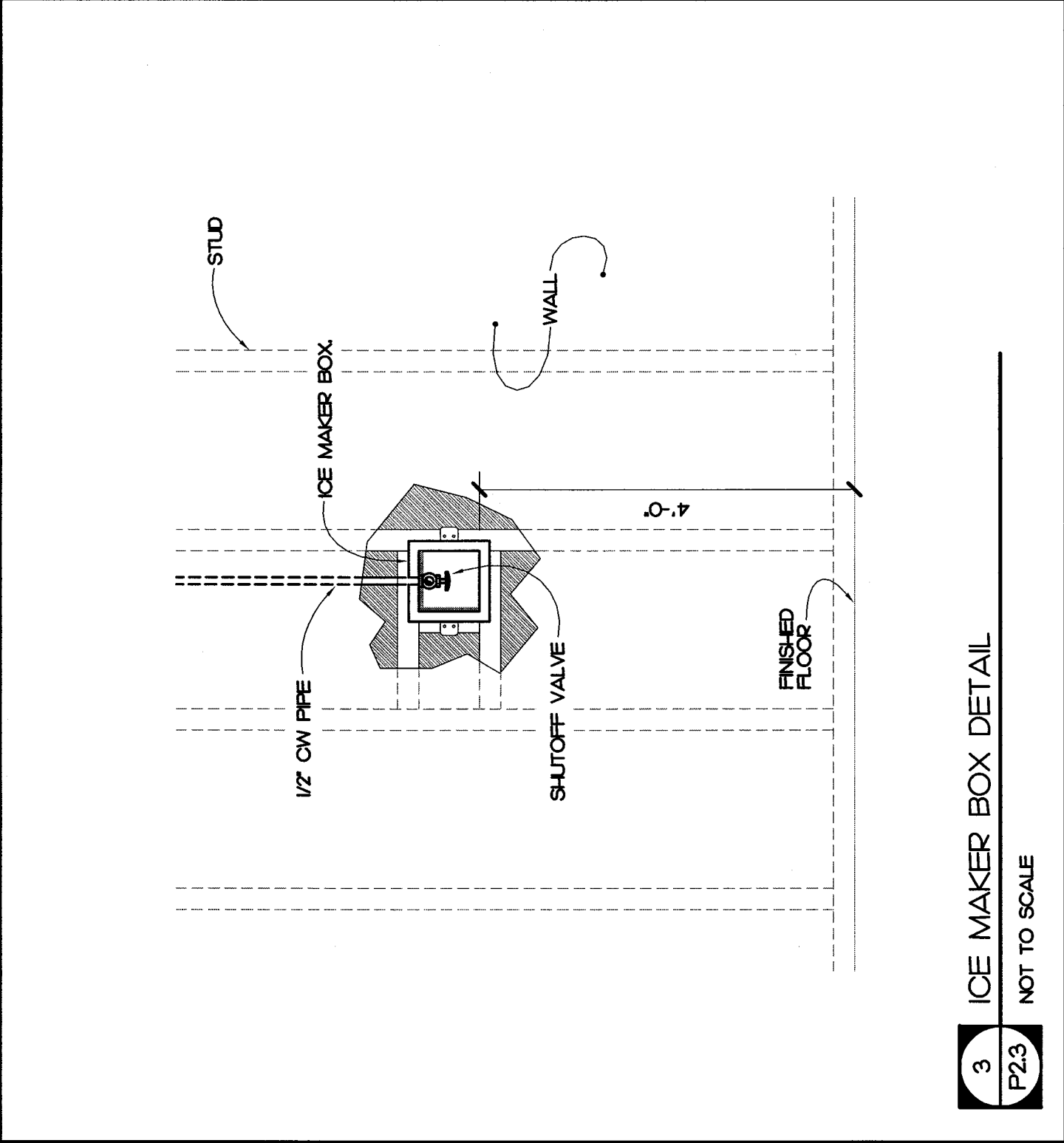
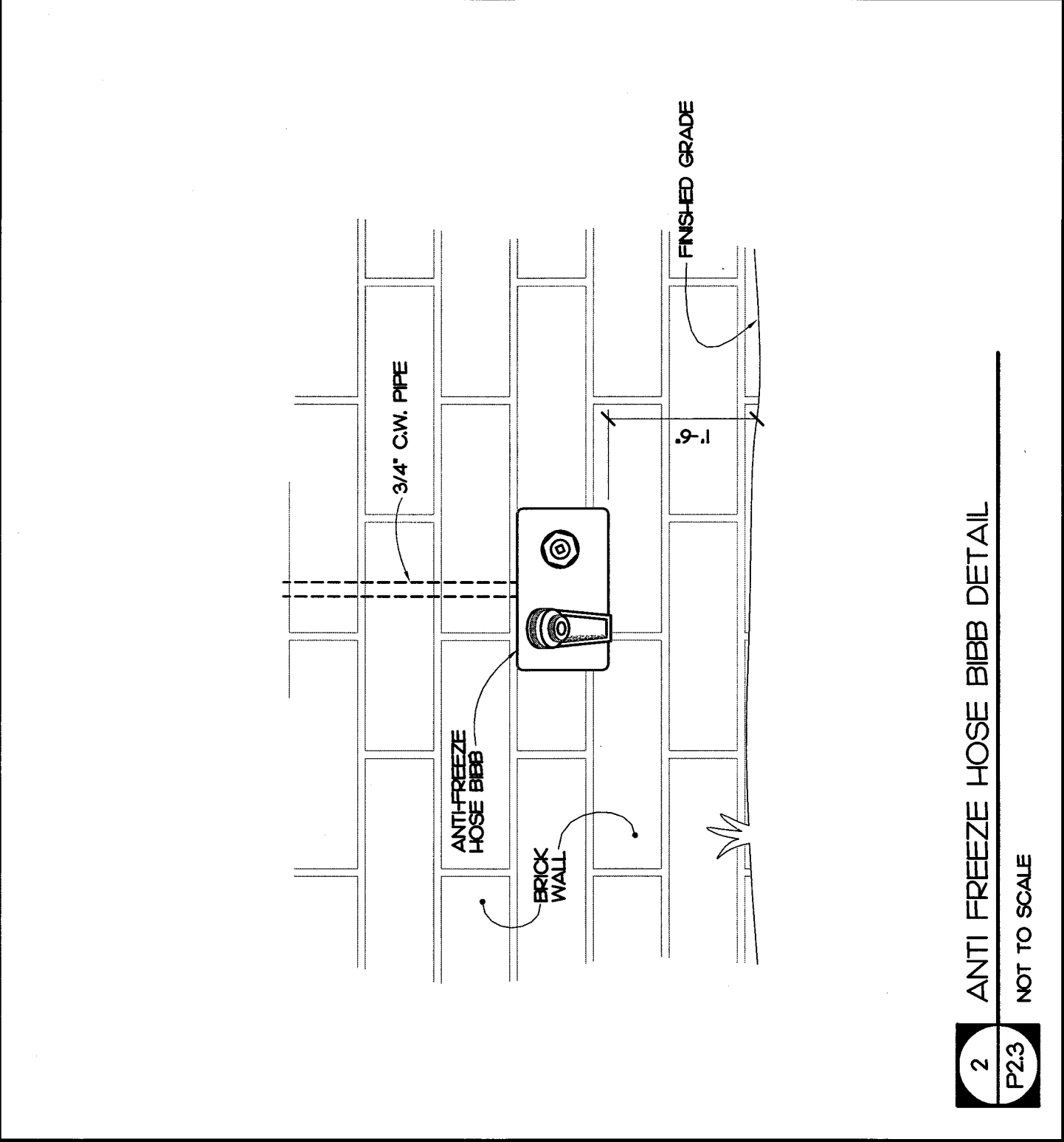
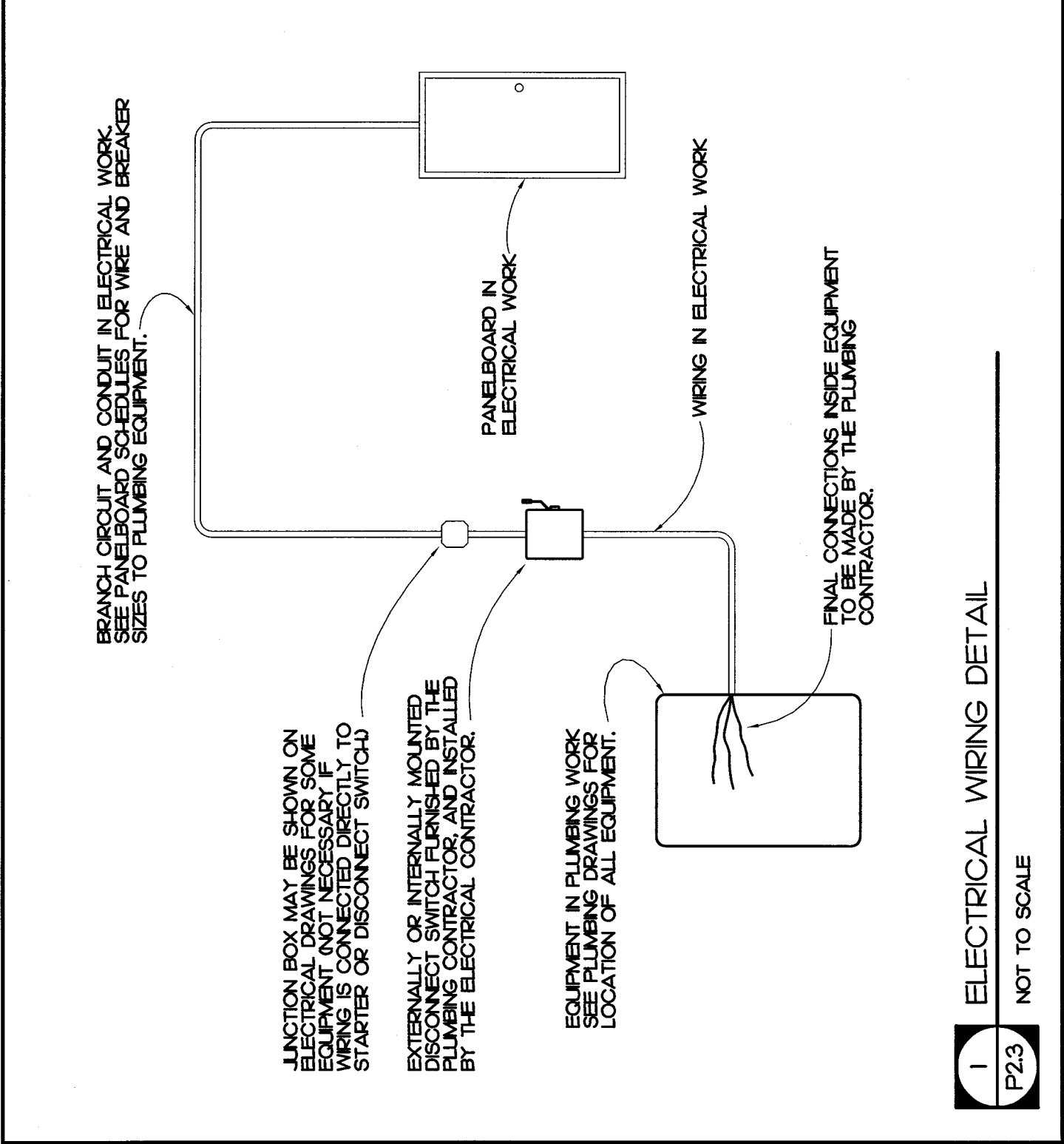
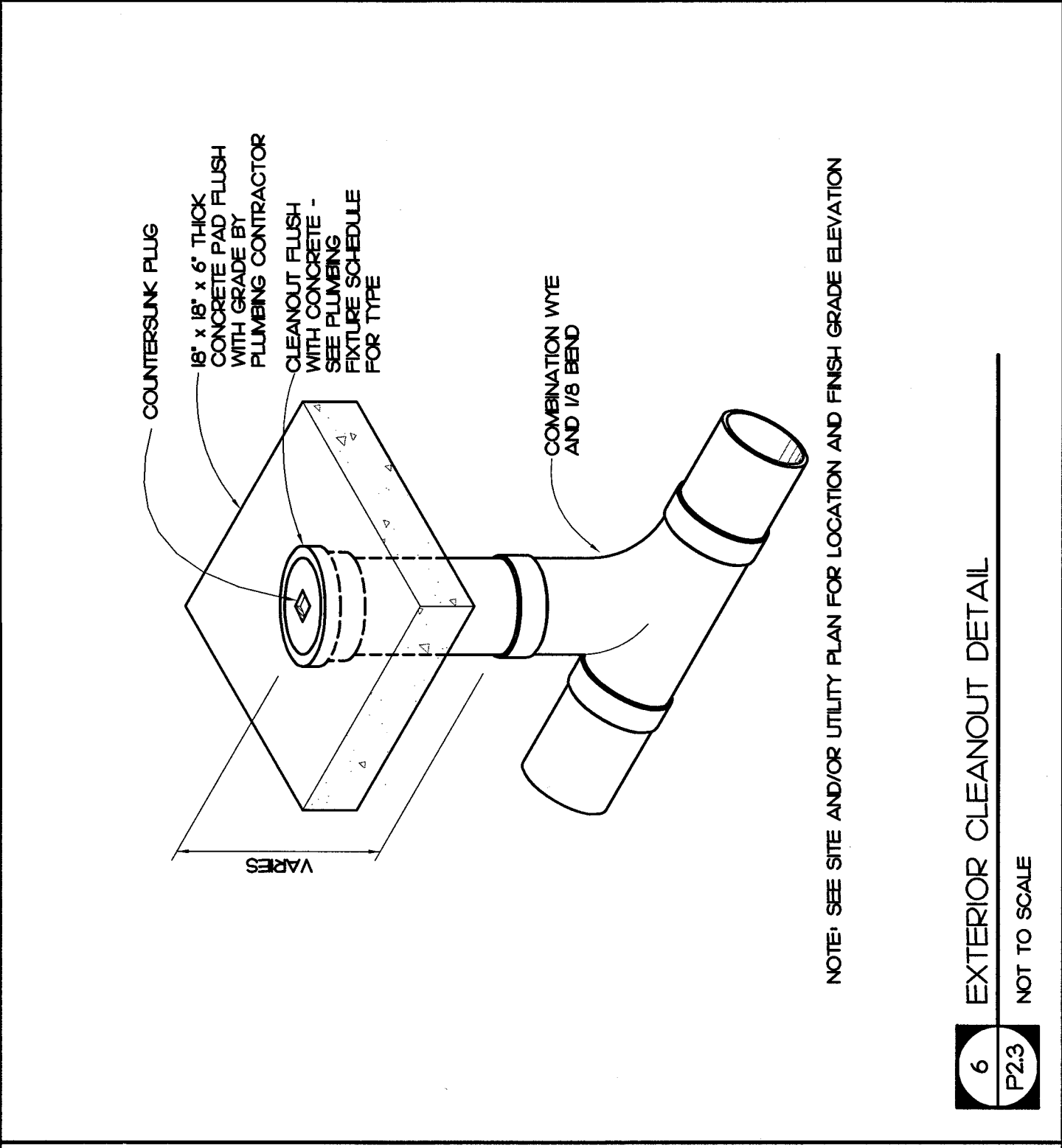
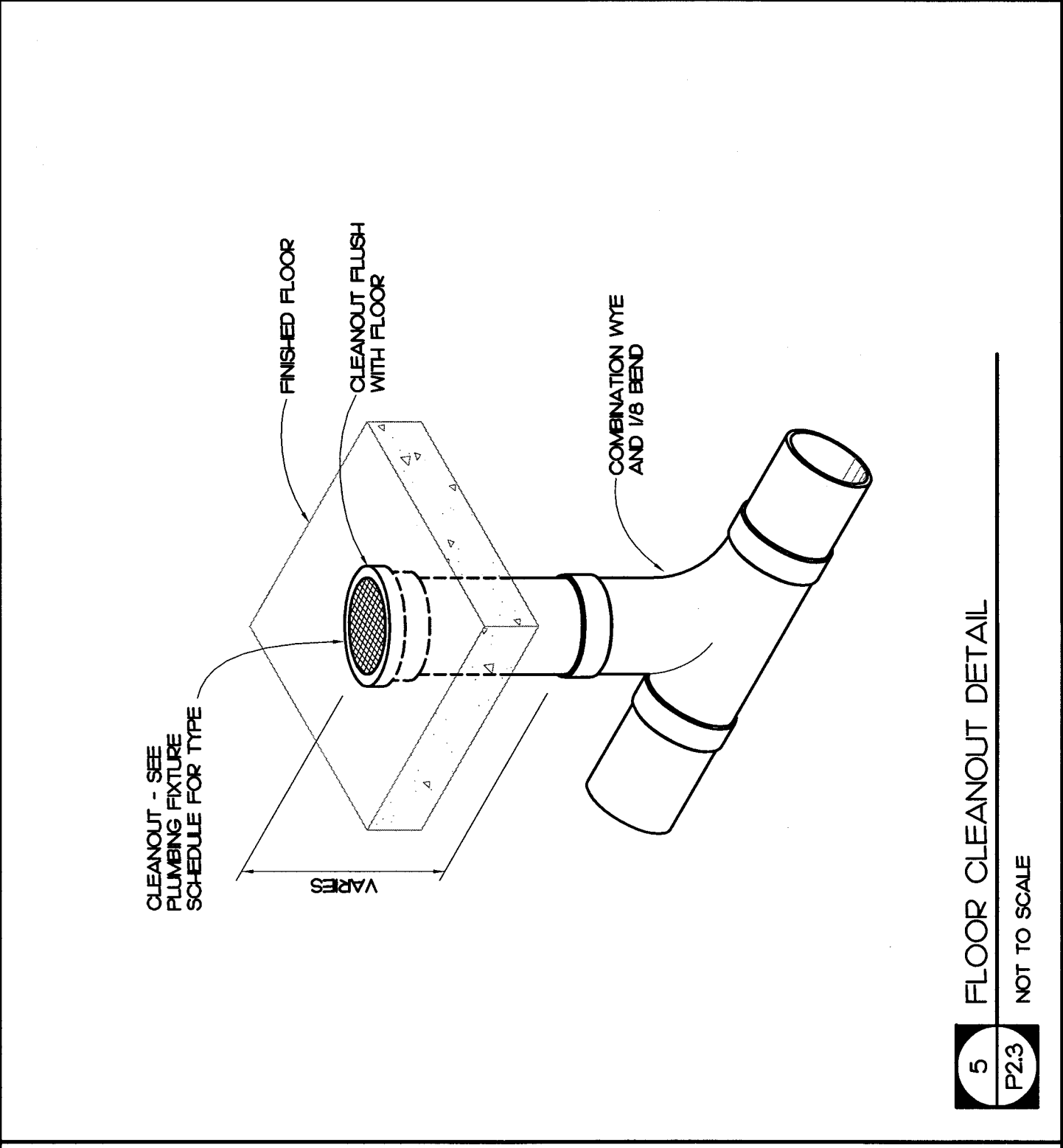
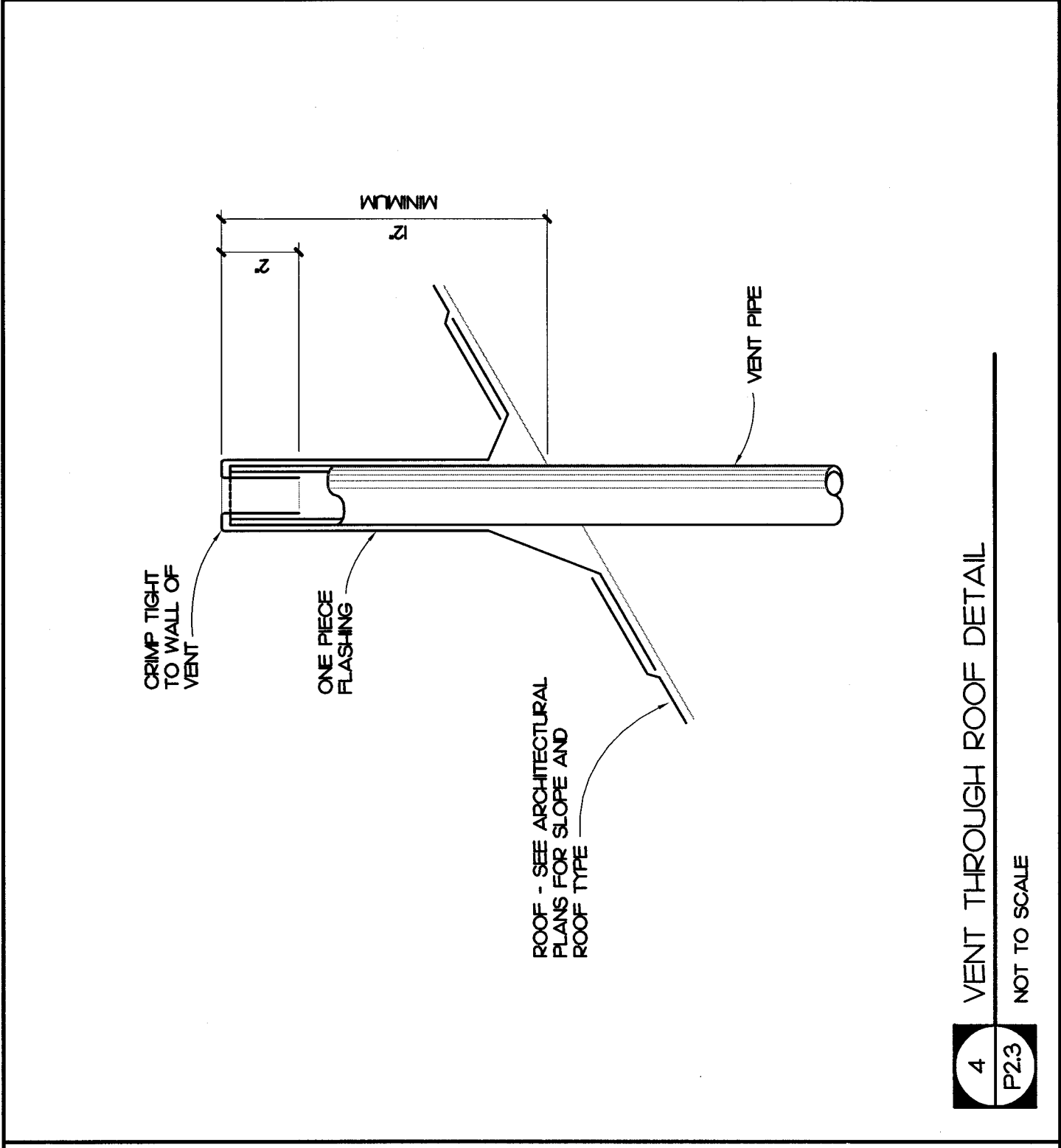
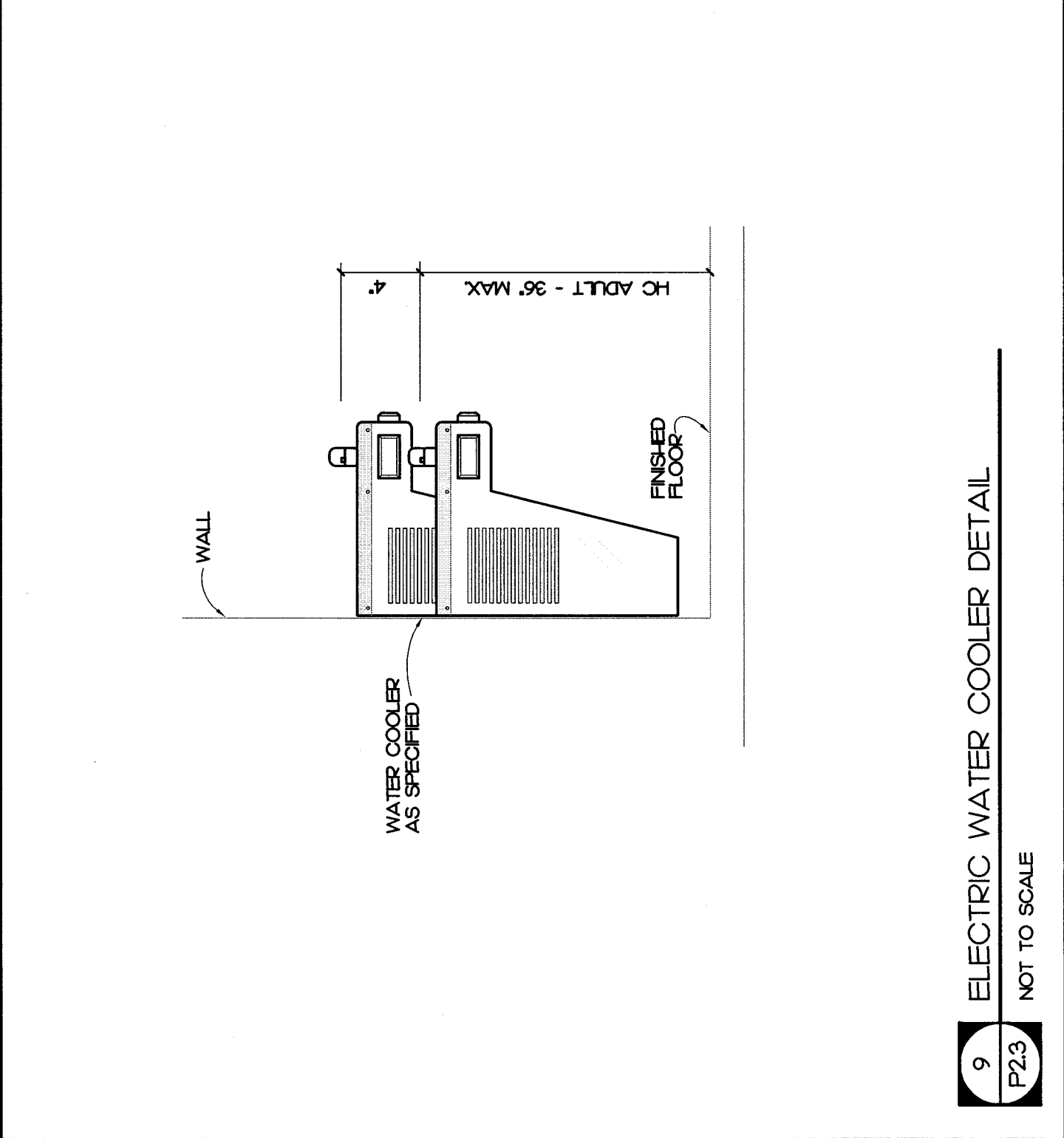
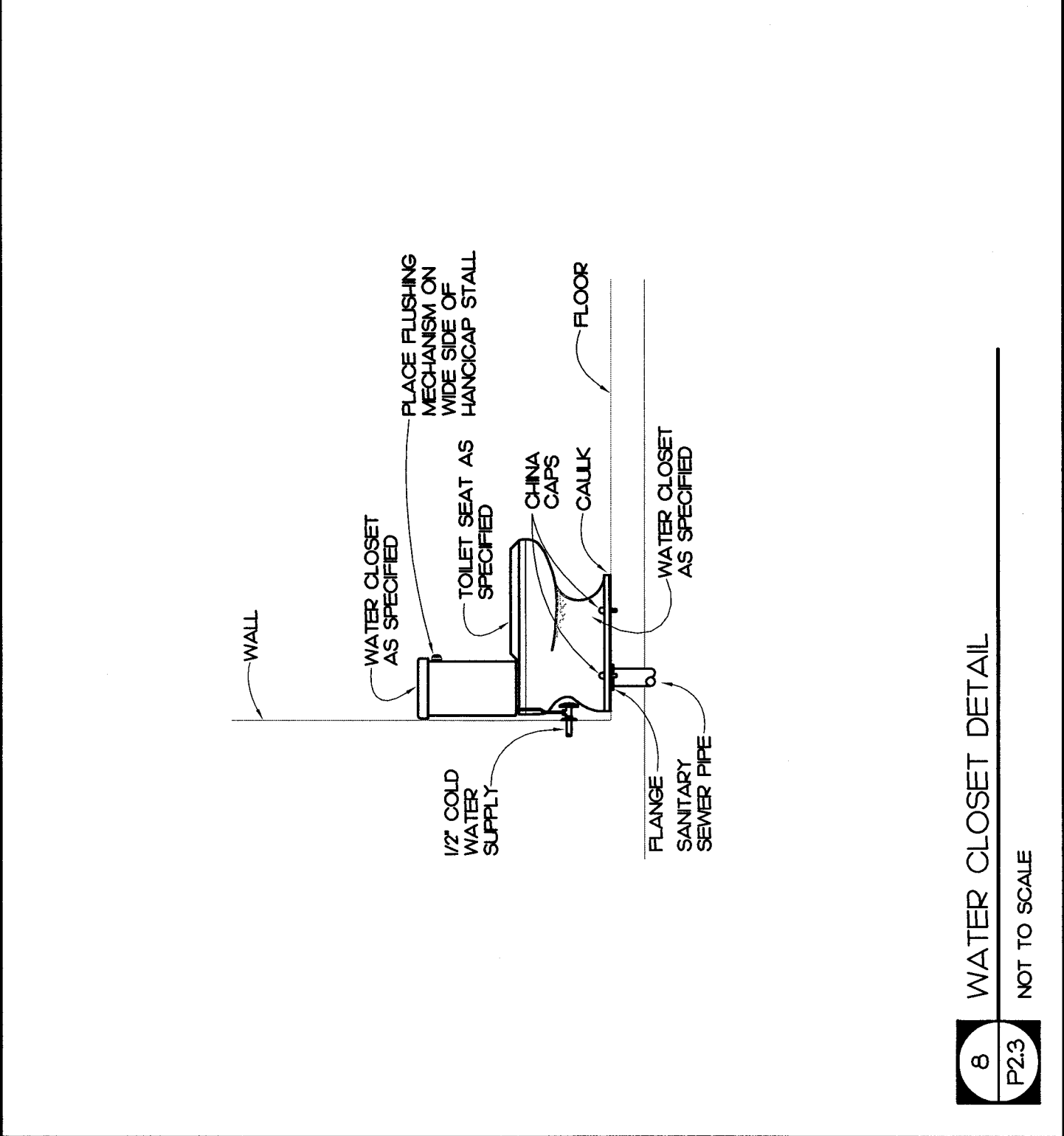
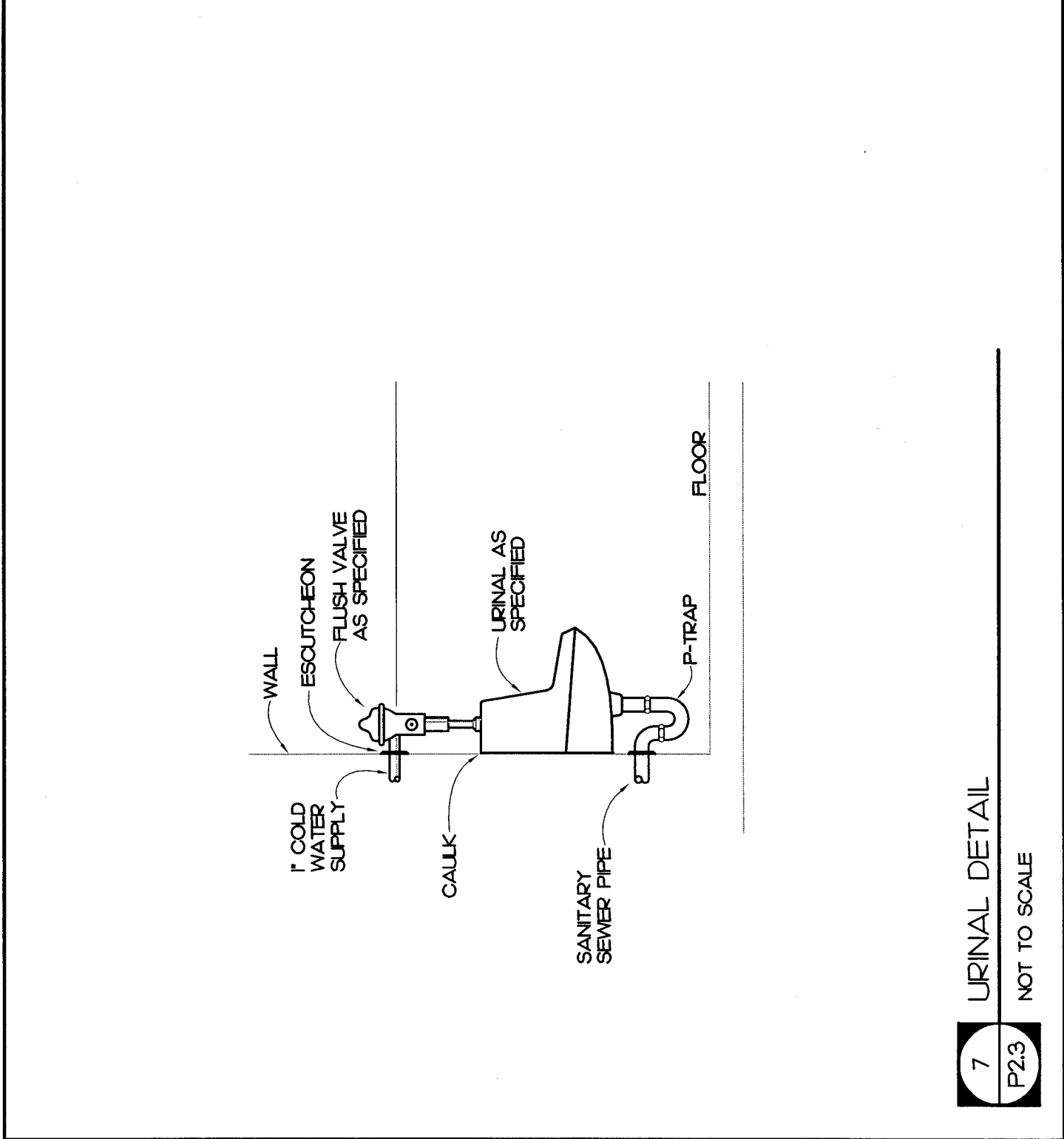
2.2 NOT TO SCALE



## ELECTRIC WATER HEATER

**P2.2** **NOT TO SCALE**





- PLUMBING GENERAL NOTES**
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
  2. ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE PLUMBING CONTRACTOR.
  3. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
  4. THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCE'S SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
  5. THESE PLANS ARE DIAGRAMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
  6. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR AND FINISHING BY GENERAL CONTRACTOR.
  7. WATER PIPING BELOW GRADE SHALL BE TYPE "X" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE SHALL BE TYPE "K" COPPER. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE PLUMBING SCHEDULES. ALL PIPING SHALL BE TESTED AND SHOWN TO BE LEAK FREE. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE PLUMBING SCHEDULES. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
  8. WATER PIPING LOCATED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION UNDERBOD AND WALL INSULATION INSIDE.
  9. ALL COLD AND HOT WATER PIPING SHALL BE INSULATED. INSULATE WASTE PIPING AS DESIGNATED ON PLUMBING DRAWINGS. INSULATION SHALL BE TYPED GLASS EXPOSED PIPING TO BE WRAPPED WITH ALUMINUM JACKET.
  10. DO NOT SUPPORT PIPING FROM BAR JOIST BRIDGING AND/OR ROOF DECK.
  11. WATER SHUT-OFF VALVES ABOVE FINISHED CEILING ARE TO BE FREE FROM OBSTRUCTIONS SUCH AS DUCTWORK, LIGHTS, WIRING AND OTHER PIPING SO AS TO PROVIDE EASY ACCESS. MOUNT NO MORE THAN 2'-0" ABOVE FINISHED CEILING.
  12. IF THE WATER PRESSURE EXCEEDS 80 PSI A PRESSURE REDUCING VALVE SHALL BE INSTALLED WHERE THE WATER ENTERS THE BUILDING.
  13. PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
  14. WATER HEATERS SHALL HAVE AN EFFICIENCY RATING EQUAL TO OR EXCEEDING ASHRAE 90-75, REVISED AND SO LABELED.
  15. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
  16. SANITARY SEWER AND VENT PIPING SHALL BE SCHEDULE 40 PVC. SANITARY SEWER AND VENT PIPING SHALL BE GAS AND AIR TIGHT.
  17. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
  18. THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS FOR WORK BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH WORK BY OTHERS AND AVOID ALL CONFLICTS.
  19. LOCATIONS OF UTILITIES (WASTE AND WATER PIPING, ETC.) PROVIDED BY OTHERS, THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE FINAL CONNECTIONS AS REQUIRED.
  20. VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
  21. PROVIDE VACUUM BREAKERS ON ALL EQUIPMENT DIRECTLY CONNECTED TO THE WATER SYSTEM.
  22. ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 6'-0" FROM ALL MAKE-UP AIR INLETS OR A MINIMUM OF 2'-0" ABOVE THE TOP OF ALL MAKE-UP AIR INLETS. VENTS THROUGH ROOF ARE TO BE ON REAR OF BUILDING.
  23. ALL INDIRECT WASTE IS TO BE PROVIDED WITH AN AIR GAP 2 TIMES THE SIZE OF THE WASTE INLET.
  24. THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MANHOLE RM ELEVATION OR PROVIDE A BACKWATER VALVE AS REQUIRED.
  25. THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

| PLUMBING SYMBOL LEGEND |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| SYMBOL                 | DESCRIPTION                                                              |
|                        | COLD WATER PIPING                                                        |
|                        | WATER PIPING DIRECTION OF FLOW                                           |
|                        | COLD WATER PIPING BELOW FINISHED FLOOR                                   |
|                        | HOT WATER PIPING                                                         |
|                        | HOT WATER PIPING BELOW FINISHED FLOOR                                    |
|                        | BALL VALVE                                                               |
|                        | CHECK VALVE                                                              |
|                        | GATE VALVE                                                               |
|                        | WATER PIPING TURNED DOWN                                                 |
|                        | WATER PIPING TURNED UP                                                   |
|                        | PIPING SIDE CONNECTION                                                   |
|                        | SANITARY SEWER / WASTE PIPING                                            |
|                        | SANITARY SEWER / WASTE PIPING DIRECTION OF FLOW                          |
|                        | VENT PIPING                                                              |
|                        | VENT PIPE UP                                                             |
|                        | PLUMBING FIXTURE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR           |
|                        | PLUMBING FIXTURE PROVIDED BY OTHERS AND INSTALLED BY PLUMBING CONTRACTOR |

| PLUMBING LOAD SUMMARY |                  |                          |
|-----------------------|------------------|--------------------------|
| WATER DEMAND FU       | WATER DEMAND GPM | SANITARY SEWER DEMAND FU |
| 66                    | 40               | 49                       |

NEW BUILDING FOR:  
**ST. GREGORIOUS**  
Indian Orthodox Church  
RALEIGH, NORTH CAROLINA

**ATLANTEC**  
ENGINEERS, P.A.  
323 BLUE RIDGE ROAD, SUITE 100  
RALEIGH, NC 27604  
(919) 571-4100  
(919) 571-4101  
(919) 571-4102  
(919) 571-4103  
(919) 571-4104  
(919) 571-4105  
(919) 571-4106  
(919) 571-4107  
(919) 571-4108  
(919) 571-4109  
(919) 571-4110

**PROGRESS DRAWING**  
NOT RELEASED FOR CONSTRUCTION

**MAURER ARCHITECTURE**  
119 EAST HARGETT STREET, SUITE 300  
RALEIGH, NC 27601  
TEL. 919-829-4969 FAX. 919-829-0860

**PLUMBING**  
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|           |          |
|-----------|----------|
| DATE      | 08/25/11 |
| DR.       | DRD      |
| CH.       | JBD      |
| PROJ. #   | 10058    |
| REVISIONS | DATE     |
| --        | --/--/-- |
|           |          |
|           |          |
|           |          |
|           |          |

PLUMBING NOTES,  
LEGEND, LOAD,  
AND DETAILS

**P2.3**