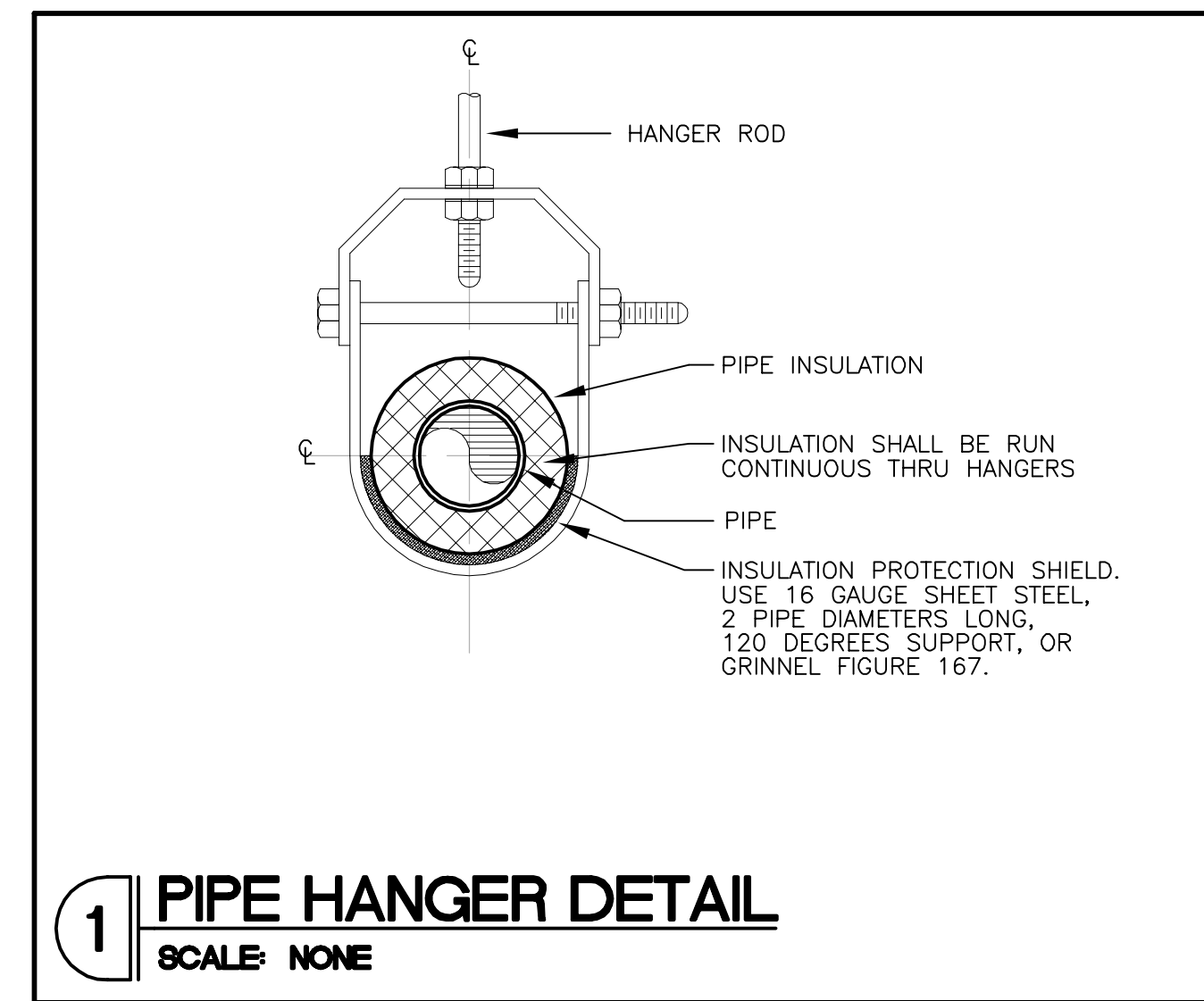
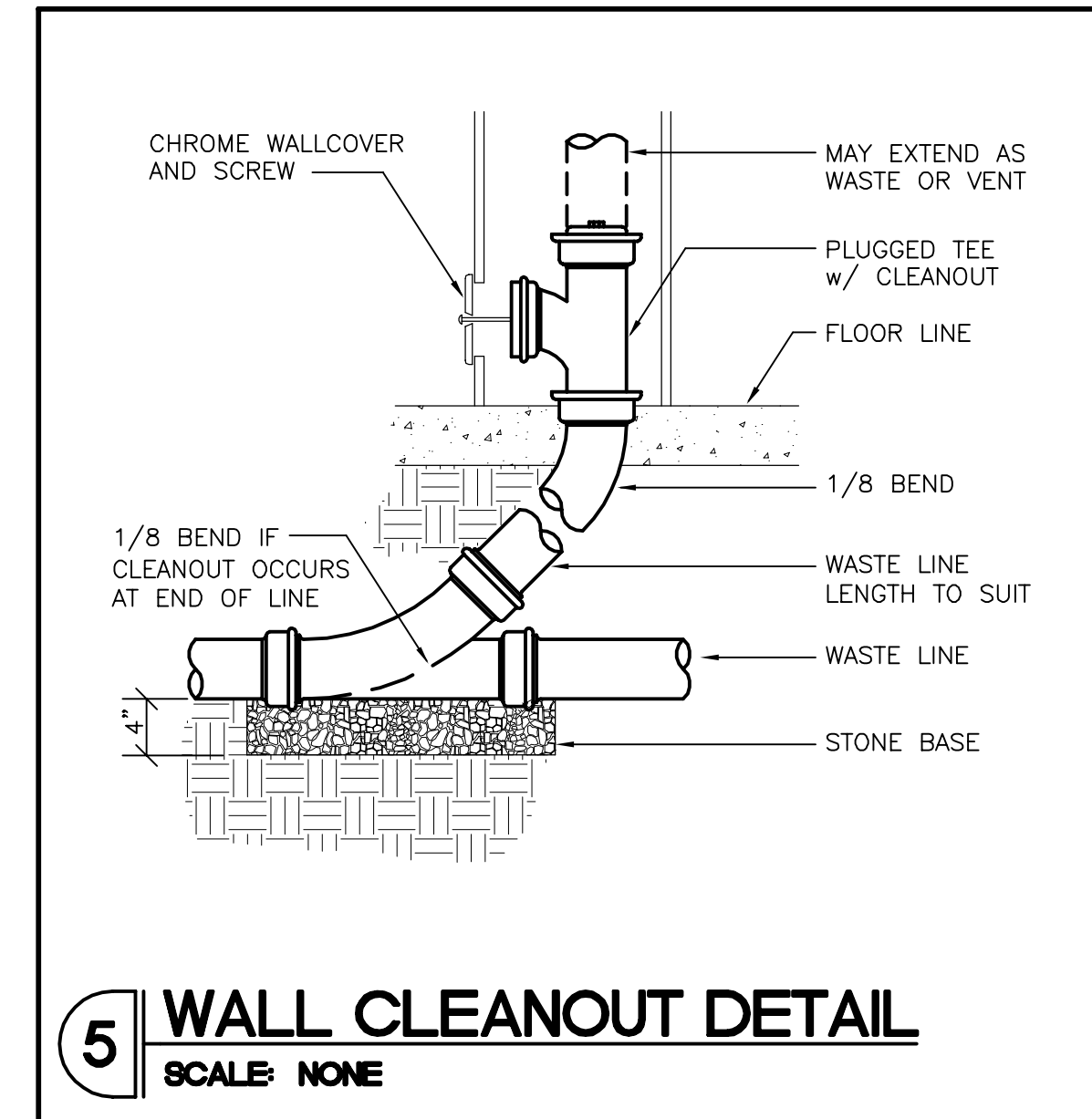


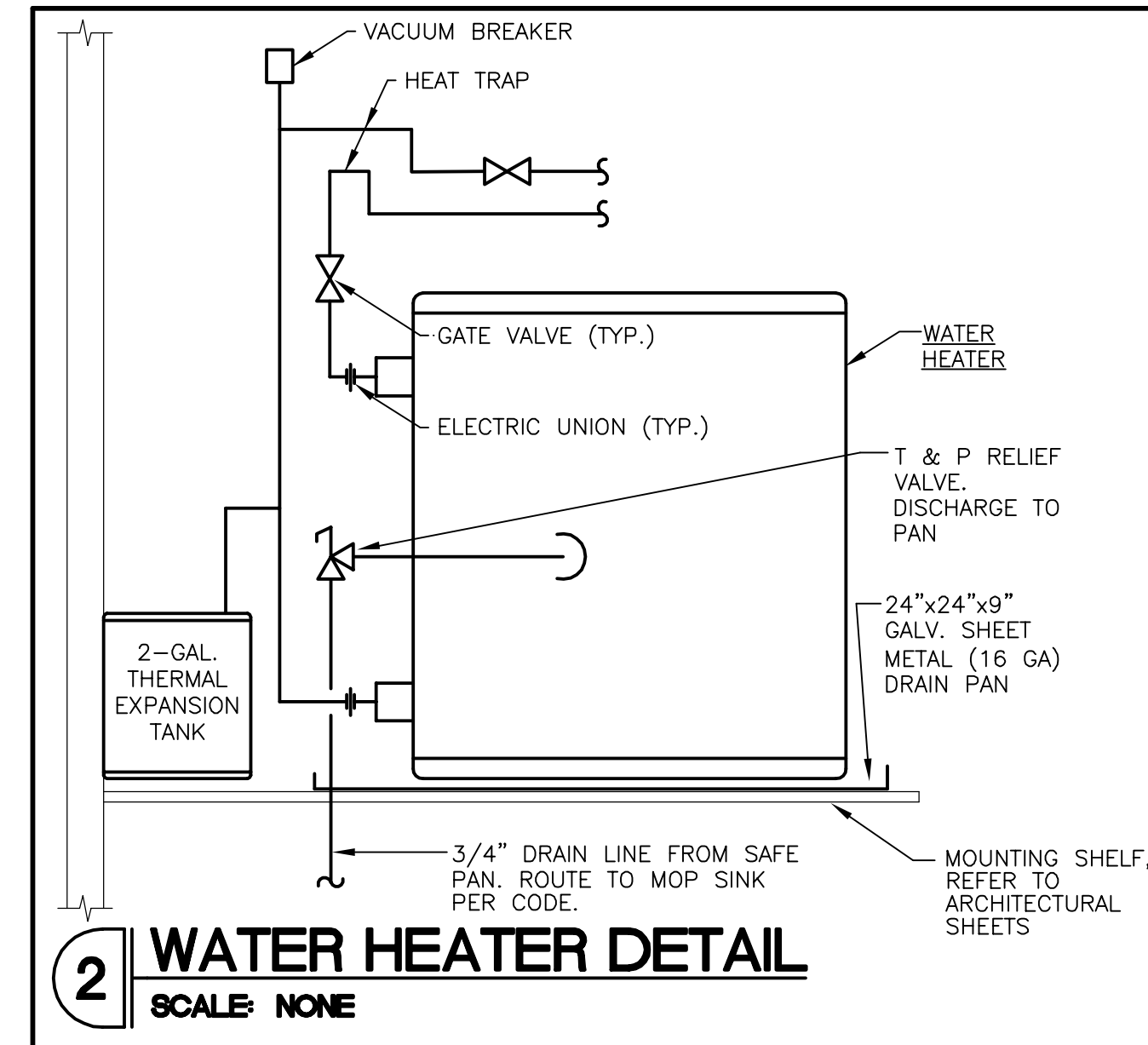
**4 TYP. MIXING VALVE UNDER LAV**  
SCALE: NONE



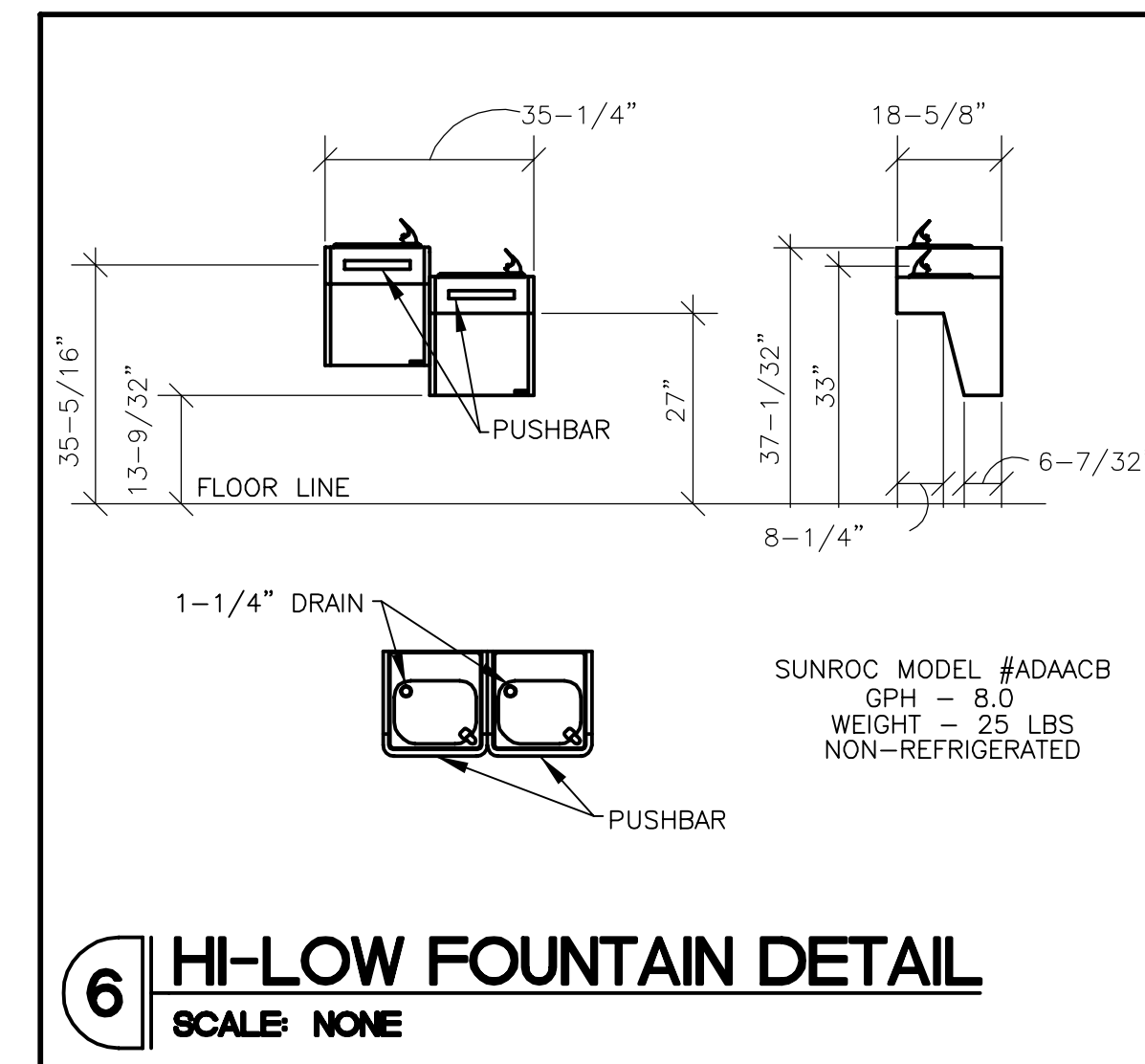
**1 PIPE HANGER DETAIL**  
SCALE: NONE



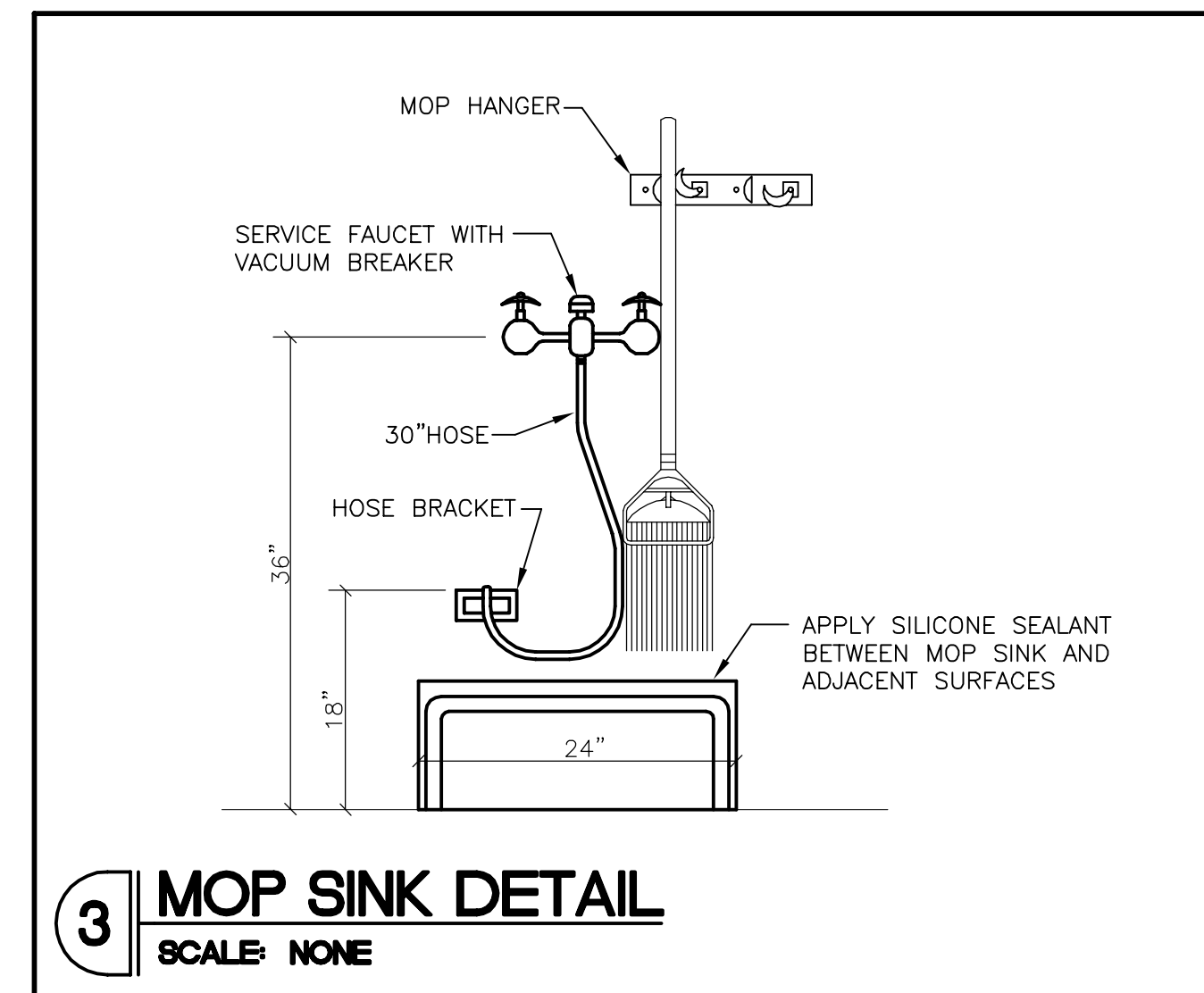
**5 WALL CLEANOUT DETAIL**  
SCALE: NONE



**2 WATER HEATER DETAIL**  
SCALE: NONE



**6 HI-LOW FOUNTAIN DETAIL**  
SCALE: NONE



**3 MOP SINK DETAIL**  
SCALE: NONE

**PLUMBING SPECIFICATIONS**

**HANDICAP SPECIFICATIONS:** ARCHITECTURAL BARRIERS ACT 42/USC. 4151-4157

**GENERAL**

THE WORK COVERED BY THESE SPECIFICATIONS INCLUDES BUT IS NOT LIMITED TO PROVIDING ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLY WITH REQUIREMENTS OF THIS FACILITY.

REFER TO ARCHITECTURAL SHEET AB.0 FOR ADA REQUIREMENTS AND CLEARANCES OF PLUMBING FIXTURES.

**PLUMBING FIXTURES**

A. WATER CLOSET (STANDARD) – AS IDENTIFIED ON PLANS – 1/2" C.W. SUPPLY AND 4" VENTED WASTE.

FORCE REQUIRED TO ACTIVATE FLUSH VALVE LEVER TO BE 5 LBS. MAXIMUM (4.16.5)

B. LAVATORY – AS IDENTIFIED ON PLANS WITH FAUCET, 1/2" C.W. AND H.W. SUPPLY AND 1-1/2" VENTED WASTE.

EXPOSED WATER AND DRAIN PIPING BELOW LAVATORY SHALL BE INSULATED WITH "PLUMBEREX" (OR EQUAL) PIPE COVERS.

FAUCET CONTROLS SHALL BE OF THE TYPE NOT REQUIRING TIGHT GRASPING, PINCHING, OR TWISTING OF WRIST AND AN OPERATING FORCE NOT EXCEEDING 5 LBS.

SELF-CLOSING VALVES SHALL BE OF THE TYPE REMAINING OPEN FOR AT LEAST 10 SECONDS.

C. CLEAN-OUTS – SHALL BE AS MANUFACTURED BY JOSAM, ZURN, OR EQUAL, AND SHALL BE INSTALLED AT ALL BENDS, ANGLES, AND ENDS OF ALL WASTE AND SEWER LINES, AS CALLED FOR ON THE DRAWINGS AND AS REQUIRED BY LOCAL CODES. ALL CLEAN-OUTS SHALL BE FLUSH WITH FINISHED FLOOR TO GRADE, AND IN ALL CASES, SHALL BE PROVIDED WITH SUFFICIENT SPACE FOR RODDING.

D. WATER HEATER – MANUFACTURER AS IDENTIFIED ON PLANS. REFER TO PLUMBING DRAWING TO DETERMINE IF NEW WATER HEATER IS A TANK TYPE OR IS OF THE INSTANTANEOUS VARIETY.

**NOTE:** NOTE: OWNER'S GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION OF ALL TOILET ACCESSORIES INCLUDING SUPPORT BLOCKING INSIDE WALL.

**MATERIALS**

A. SANITARY SEWER – ALL SANITARY PIPING SHALL BE CAST IRON. VENTS TWO INCHES (2") IN SIZE AND SMALLER MAY BE EITHER SCHEDULE 40 GALVANIZED STEEL OR COPPER PIPING. PVC CAN BE USED IF ALLOWED BY LANDLORD AND CODE.

B. DOMESTIC WATER AND HOT WATER PIPING TO BE COPPER TYPE "L" INSULATED WITH ARMAFLEX OR EQUIVALENT INSULATING TO A THICKNESS OF 1".

**PIPING**

A. PIPING AND FITTINGS SHALL BE OF THE WEIGHTS AND TYPES SHOWN ON DRAWINGS. SIZES SHOWN ON ON DRAWINGS ARE NOMINAL PIPE SIZES.

B. ALL PIPING SHALL BE INSTALLED PARALLEL TO, OR AT RIGHT ANGLES WITH THE BUILDING WALLS AND PARTITIONS AND SHALL BE INSTALLED WITH THE PROPER PITCH.

C. ALL PIPING SHALL BE UPENDED AND POUNDED TO REMOVE ANY FOREIGN MATERIAL PRESENT AND SHALL BE SWABBED IF NECESSARY.

**PREPARING PIPE**

A. SCREWED PIPE SHALL BE INSTALLED WITH PIPE COMPOUND APPLIED TO THE MALE THREAD WITH NOT MORE THAN TWO THREADS LEFT EXPOSED. PIPE SHALL BE REAMED AFTER THREADING.

B. COPPER JOINTS SHALL BE MADE UP WITH 95-5 SOLDER.

**HANGERS AND SUPPORTS**

HORIZONTAL PIPING SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED 10'-0" WITH SWIVEL SPLIT PIPE HANGERS EQUAL TO CRANE #199F OR GRINNELL #104. VERTICAL PIPING SHALL BE SUPPORTED BY MEANS OF WROUGHT IRON CLAMPS SUSPENDED FROM THE UNDERSIDE OF STRUCTURE WITH HANGER RODS.

**VALVES**

ALL VALVES SHALL BE BRASS AND MANUFACTURED BY CRANE, NIBCO, STOCKHAM, LUNKENHEIMER, NORDSTROM, GRINNELL OR EQUAL.

**TESTING AND ADJUSTING**

CONTRACTOR SHALL DEMONSTRATE OPERATION OF PIPING SYSTEM TO FULL SATISFACTION OF TENANT. ALL PIPING SHALL WITHSTAND AIR PRESSURE TESTING PER GOVERNING CODES.

**GUARANTEE**

ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF ACCEPTANCE. THE COMPLETED PLUMBING SYSTEM SHALL BE FULLY OPERATIONAL AND ACCEPTANCE BY TENANT SHALL BE A CONDITION OF THIS CONTRACT. ALL WORK FOUND TO BE DEFECTIVE SHALL BE REPAIRED OR REPLACED BY THIS SUBCONTRACTOR WITHOUT ADDITIONAL COST TO THE TENANT.

REGISTRATION SEAL

REVISIONS: 06/20/16 OWNER COMMENTS

PROJECT NO. 150310  
DATE: 10/14/15  
DRAWN BY: OYK  
STORE NUMBER: 404  
PROTO: 2016R1 PROTOTYPE SET

SALES AREA 2,420 S.F.  
NON SALES 588 S.F.

GROSS AREA 3,008 S.F.

SHEET TITLE:

**PLUMBING  
DETAILS AND  
SPECS.**

**theVitamin  
Shoppe**  
5463 LYONS ROAD, SUITE 'A'  
COCONUT CREEK, FL. 33073

SHEET NO:

**P2.0**