

FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"

WATER HEATER ON PLATFORM PLAN
SCALE: 1/4" = 1'-0"

- PLUMBING KEYED NOTES**
- WATER SERVICE.
 - WH-1G WATER HEATER.
 - FS-1 FLOOR SINK WITH AUTOMATIC TRAP PRIMER. LOCATE THE FCO IN AN AISLE WITH 18" MIN CLEARANCE AROUND IT AS REQUIRED BY CODE.
 - WC-1 WATER COOLER. PROVIDE 1/2" C.W.; 1 1/2" DRAIN AND VENT IN WALL (MOUNTED 3'-0" A.F.F. TO CENTER LINE OF NOZZLE).
 - SK-1 RX SINK. PROVIDE 1/2" C.W.; 1/2" H.W. 105 DEGREE F.; 1 1/2" DRAIN AND VENT IN WALL. SEE DETAIL 1/P2.1.
 - MB-1 MOP BASIN. PROVIDE 1/2" C.W.; 1/2" H.W. 105 DEGREE F.; 1 1/2" DRAIN AND VENT IN WALL.
 - ERS-1 EMPLOYEE ROOM SINK. PROVIDE 1/2" C.W.; 1/2" H.W.; 1 1/2" DRAIN AND VENT IN WALL.
 - NOT USED
 - NOT USED
 - COMBINATION FUNNEL/FLOOR DRAIN WITH AUTOMATIC TRAP PRIMER.
 - FLOOR CLEAN-OUT TO ACCEPT FLOOR TILE.
 - POST HYDRANT (PH-1) ABOVE ROOF FOR MAINTENANCE OF EQUIPMENT. PROVIDE A DRAIN LINE FROM POST HYDRANT DRAIN PORT TO FUNNEL/FLOOR DRAIN. REFER TO DETAIL 6/P2.1
 - PROVIDE 1/2" C.W., 1/2" H.W., 3" DRAIN AND 1 1/2" VENT IN WALL. SEE DETAIL 4/P2.1 FOR WASTE PIPING CONFIGURATION.
 - ROUGH IN 1 1/2" DRAIN AND 1 1/2" VENT. ROUGH-IN PIPE INSIDE THE WALL CAVITY FOR FUTURE SINK. 1 1/2" DRAIN SHALL BE 12" A.F.F. AND CAP MARK WITH CHROME FINISHED COVER FOR FUTURE USE. CONNECT 1 1/2" DRAIN VENT TO THE VENT FOR COOLER FLOOR DRAIN. 1/2" HOT WATER WITH BALL VALVE EACH LINE AND CAP AND ROUGH IN 1/2" COLD WATER AND TERMINATE 12" ABOVE CEILING IN THE SAME AREA OF THE SINK.
 - WHEN A VESTIBULE IS INCLUDED, PROVIDE A DRAIN FOR FLOOR MAT WITH TRAP PRIMER.
 - P-1, HOT WATER RECIRCULATION PUMP
 - EW-1, EYE WASH
 - PHARMATE REVERSE OSMOSIS DISPENSER, FAUCET, FILTERS AND INSTALLATION KITS PROVIDED BY WALGREENS, INSTALLED BY THE PLUMBING CONTRACTOR. FAUCET TO BE MOUNTED ON PHARMACY SINK AND DISPENSER AT END OF BOTTLE BAY SHELF (FIELD VERIFY EXACT LOCATION).
 - PROVIDE 1 1/2" DRAIN AND 1 1/2" VENT FOR FUTURE SINK. INSTALL DRAIN OPENING @ 20" A.F.F. AND CAP WITH CHROME PLATE FOR FUTURE USE. COORDINATE SEWER PIPE LOCATION WITH PLUMBING CONTRACTOR.
 - PROVIDE WATER HEATER EXHAUST VENT THRU ROOF REFER TO DETAIL 6A/P2.1
 - PROVIDE SHUT-OFF VALVE FOR POST HYDRANT (PH-1) LOCATED WITHIN 12" OF ROOF LADDER BELOW ROOF DECK. PROVIDE LABEL AFFIXED TO THE WALL.
 - PROVIDE PRIME-RITE TRAP PRIMER VALVE BY PRECISION PLUMBING PRODUCTS. AT VESTIBULE PROVIDE PRIMER THAT WILL OPERATE AT THE END OF A BRANCH LINE AND LOCATE THE VALVE AT THE CLEANOUT ACCESS PANEL.

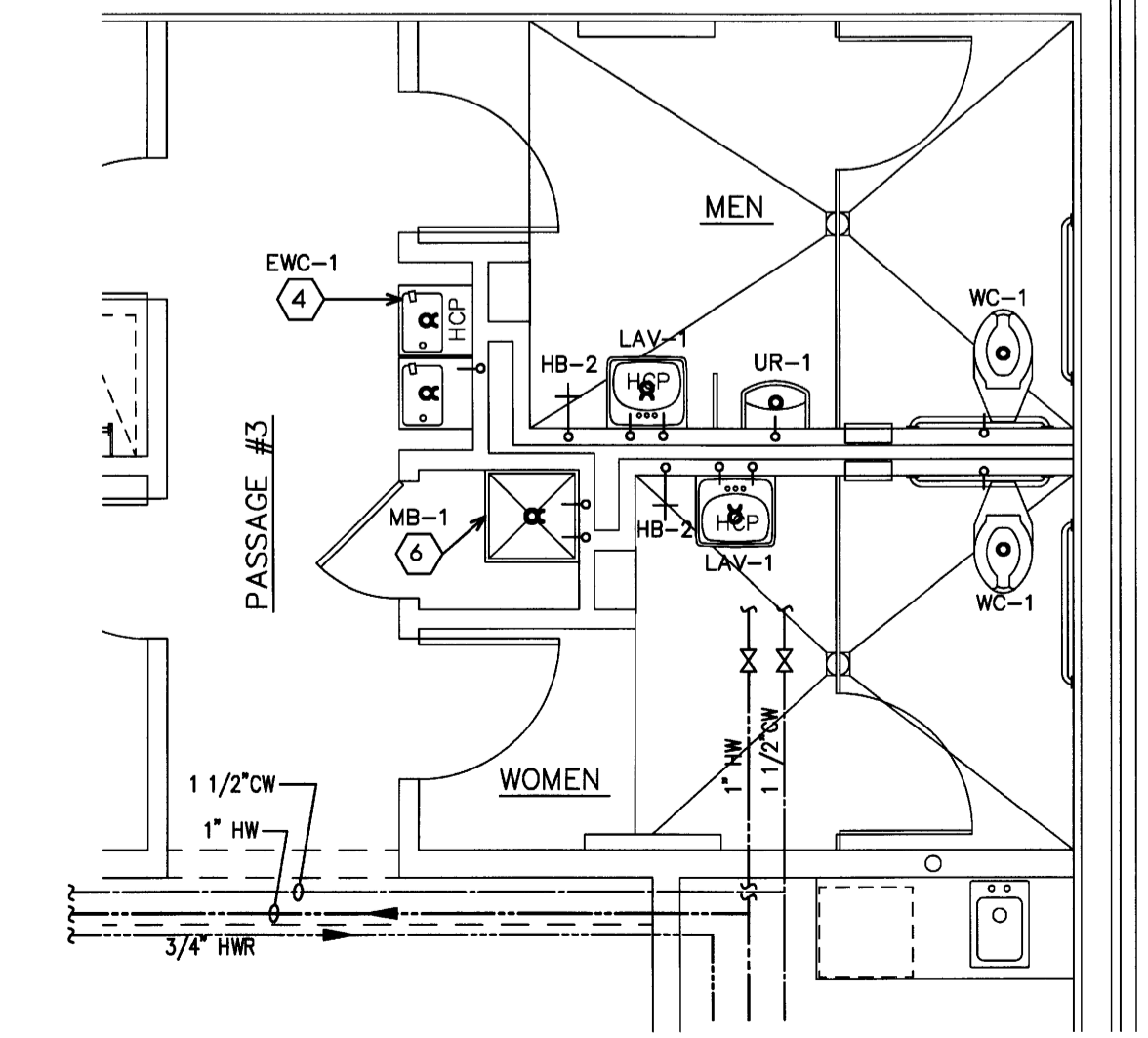
- NOTES**
- GENERAL**
- REFER TO ALL OTHER DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL WORK AND/OR CLARIFICATIONS TO INCLUDE BUT NOT NECESSARILY LIMITED TO: 15050- BASIC MECHANICAL MATERIALS AND METHODS 15250- MECHANICAL INSULATION 15400- PLUMBING
 - REFER TO WATER SERVICE FOR DOMESTIC, IRRIGATION AND FIRE PROTECTION. PROVIDE AN INDIVIDUAL SHUT-OFF VALVE FOR EACH SERVICE.
 - PROVIDE APPROPRIATE BACKFLOW PREVENTION ON THE FIRE PROTECTION WATER.
 - COORDINATE THE LOCATION AND ROUTING OF THE WATER LINES WITH THE WATER COMPANY AND THE WALGREEN CO.
 - PROVIDE A PRESSURE-REGULATING VALVE WHEN REQUIRED TO LIMIT WATER PRESSURE TO 50 PSIG.
 - PROVIDE SIZES, CHANGES AND ADDITIONAL ITEMS WHEN REQUIRED BY PUBLIC HEALTH DEPARTMENT, THE CODE, THE BUILDING DEPARTMENT, THE WATER COMPANY, INSPECTORS AND/OR OTHERS HAVING JURISDICTION.
- METERS**
- PROVIDE A DOMESTIC WATER METER OF THE SMALLEST SIZE PERMITTED (PREFERABLY ONE INCH) WHEN THAT ACTION WILL REDUCE THE MONTHLY BILL.
 - PROVIDE A SEPARATE IRRIGATION WATER METER IF THERE IS AN ECONOMIC BENEFIT BY REDUCING THE PERIODIC SEWER AND/OR OTHER COSTS TO WALGREENS.
 - PROVIDE WATER HEATERS THAT ARE ACCEPTABLE TO AND/OR FURNISHED BY THE LOCAL WATER COMPANY. ALL WATER METERS PROVIDED SHALL READ IN THE SAME UNITS.
- DOMESTIC WATER PIPING**
- HOT AND COLD DOMESTIC WATER A.F.F. TO BE COPPER TYPE 'L'.
 - DOMESTIC WATER PIPING WITHIN BUILDING ABOVE GROUND.
 - BRANCH LINES TO PLUMBING FIXTURES SHALL HAVE 12" LONG AIR CHAMBERS AND/OR ALTERNATIVE DEVICES THAT ARE CODE APPROVED.
 - EXPOSED WATER SUPPLIES FOR PLUMBING FIXTURES SHALL BE CHROME PLATED BRASS AND HAVE WHEEL OR OVAL (NOT KEY) OPERATED STOPS (EXCEPT URINALS) WITH METAL STEMS, BY BRASSCRAFT OR EQUAL.
 - WATER PIPING AND SIMILAR ITEMS THAT RUN THROUGH STUD SPACES SHALL HAVE A MIN. OF 1/2" CLEAR SPACE ALL AROUND PIPING TO AVOID ANY POSSIBLE CONTACT WITH ADJACENT SURFACES.
 - DOMESTIC WATER PIPING ABOVE GRADE SHALL BE INSULATED.
 - BRANCH WATER LINES INCLUDING THOSE TO HOUSE BIBBS, ROOF HYDRANTS AND POST HYDRANTS SHALL HAVE INDIVIDUAL SHUT OFF VALVES THAT ARE ACCESSIBLE.
 - WATER WASTE AND VENT PIPING SHALL NOT BE LOCATED IN AN EXTERIOR WALL WHEN THE HVAC WINTER TEMPERATURE CAN DROP BELOW 32 DEG F., UNLESS THOSE PIPES ARE LOCATED ON THE ROOM SIDE OF THE WALL. INSULATION, IN THOSE CASES PROVIDE AN ADDITIONAL NON-INSULATED WALL CHASE AS SHOWN FOR THE PHARMACY SINK, DETAIL 1 ON P2.1.
- SANITARY WASTE, VENT AND STORM PIPING:**
- CLEANOUTS SHALL BE INSTALLED IN THE BUILDING DRAIN, HORIZONTAL WASTE, STORM OR SOIL LINES WITH CHANGES IN DIRECTION GREATER THAN 45°. PROVIDE CLEANOUTS AT THE END OF EACH BRANCH, AT THE BASE OF EACH AND AS REQUIRED PER CODE. ALL CLEANOUTS TO BE VISIBLE AND ACCESSIBLE.
 - DO NOT LOCATE ANY CLEANOUTS IN THE PHARMACY.
 - DOUBLE FITTINGS SUCH AS Y, 1/2Y, COMBINATION Y AND 1/8 BEND, T, SANITARY ETC. FITTINGS SHALL NOT BE USED IN THE SEWER PIPING SYSTEM.
 - PLUMBING VENTS, SHALL BE LOCATED A MINIMUM OF 15'-0" AWAY FROM ALL FRESH AIR INTAKES.
 - FLOOR DRAINS SHALL NOT BE CONSIDERED AS A FUNCTIONAL CLEANOUT.
 - TOILET ROOM VENT STACK(S) SHALL BE LOCATED UPSTREAM OF ALL PLUMBING ROOM FIXTURES.
- VALVES FOR PLUMBING:**
- DOMESTIC WATER AND GAS SHUT OFF VALVES SHALL BE JOMAR T/S100S, BALL TYPE OR EQUAL.
 - BALANCING VALVES SHALL BE JOMAR T/S100SS OR EQUAL.
 - VALVES LOCATED ABOVE SHALL BE 12" MAX. ABOVE THE FINISHED CEILING OR AT BOTTOM CHORD OF BAR JOIST WHEN NO CEILING EXISTS.
 - WHEN DOUBLE TESTABLE CHECK VALVES ARE REQUIRED (WALL AND POST HYDRANTS ETC.), THEY SHALL BE INSTALLED 5 FT. MAX. ABOVE FLOOR AS FOLLOWS:
 - AT RECEIVING DOOR MOUNT ON WALL, THEN TO WALL HYDRANT.
 - WHEN WATER DROPS TO SERVE PHOTO SINK, TAKE A BRANCH LINE WITH SHUT-OFF VALVE AND "FEED" TO CHECK VALVE THEN UP IN PARTITION TO ABOVE CEILING, RUN ABOVE CEILING TO HYDRANT.
 - HYDRANT ON ROOF-BRANCH LINE SHALL BE CONNECTED TO CHECK VALVES ON WALL IN PASSAGE #1 THEN UP WALL TO HYDRANT.
- COOLER/FREEZER PLUMBING:**
- PROVIDE A COMPLETE WALK-IN-COOLER/FREEZER PLUMBING SYSTEM. PLUMBING CONTRACTOR SHALL INSTALL THE CONDENSATE DRAINS
- IRRIGATION SYSTEM:**
- REFER TO LANDSCAPING/IMPROVEMENTS SECTION 02900 OF THE SPECS.
 - THE IRRIGATION SYSTEM CONTROLS ARE TO BE LOCATED ON THE INSIDE OF THE BUILDING AT THE RISER LOCATION.
- FIRE PROTECTION SYSTEM:**
- REFER TO THE FIRE PROTECTION DRAWING, FP.1 AND THE ASSOCIATED SECTION OF THE SPECIFICATIONS.

NOTE : PROVIDE 18"-0" CLEARANCE BETWEEN ALL FRESH-AIR INTAKES AND PLUMBING VENT STACKS OR EXHAUSTS.

DO NOT LOCATE CLEANOUTS UNDER SHELVING OR EQUIPMENT.

REFER TO FIXTURE SCHEDULE FOR WATER PIPING SIZE AT FIXTURES

PIPE INSTALLATION NOTE : PIPING SHALL NOT BE SURFACE MOUNTED ON FINISHED SURFACES. ALL PIPING MUST BE INSTALLED BEHIND FINISHED SURFACES.



GAS CONSUMPTION SCHEDULE

APPLIANCE	BTU/H INPUT	GAS CONSUMPTION
RTU-1	80,000	95 FT ³
RTU-2	60,000	71 FT ³
RTU-3	250,000	291 FT ³
RTU-4	60,000	71 FT ³
RTU-5	60,000	71 FT ³
RTU-6	60,000	71 FT ³
RTU-7	60,000	71 FT ³
EH-1	120,000	143 FT ³
WH-1	40,000	48 FT ³
TOTAL	790,000	938 FT³

TOILET ROOM PLAN
SCALE: 1/4" = 1'-0"

MOESER & ASSOCIATES
206 AYER ROAD HARVARD, MA 978-456-6905
ARCHITECT

DRAWINGS/SPECIFICATIONS BY:
 WALGREENS'
 LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

STORE	BUILDING
NEW	NEW
REMODELING	EXISTING
RELOCATION	NEW SHELL ONLY
OTHERS	

LEGEND

- (CW) COLD WATER
- (HW) HOT WATER
- (HWR) HOT WATER RECIRCULATION
- CD CONDENSATE DRAIN
- SAN- SANITARY SEWER
- WATER METER WITH VALVES
- FLOOR DRAIN
- FFD FUNNEL FLOOR DRAIN
- FS FLOOR SINK
- FCO FLOOR CLEAN OUT
- GCO GRADE CLEAN OUT
- PH POST HYDRANT
- VTR VENT THRU ROOF
- WCO WALL CLEAN OUT
- HH HOSE BIBB
- VALVE - SHUT-OFF
- VALVE - BALANCING
- UNION

NO.	DATE	BY	DESCRIPTION	CONST
REVISIONS				
CERTIFICATION AND SEAL				

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF MAINE AS SIGNIFIED BY MY HAND AND SEAL.

FISCAL 2007 CRITERIA - STORE #12325

WALGREENS
616 FOREST AVENUE
PORTLAND, MAINE

FLOOR PLAN - WATER & GAS DISTRIBUTION

CADD PLOT: SCALE: AS NOTED DRAWING NO. P1.1

VOID PLOT: DRAWN BY: RJV DATE: 12-10-08

RELEASED TO CONSTRUCTION: REVIEWED BY: SAM