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NOT ISSUED FOR CONSTRUCTION

ISSUED / REVISIONS:

DATE	DESCRIPTION:

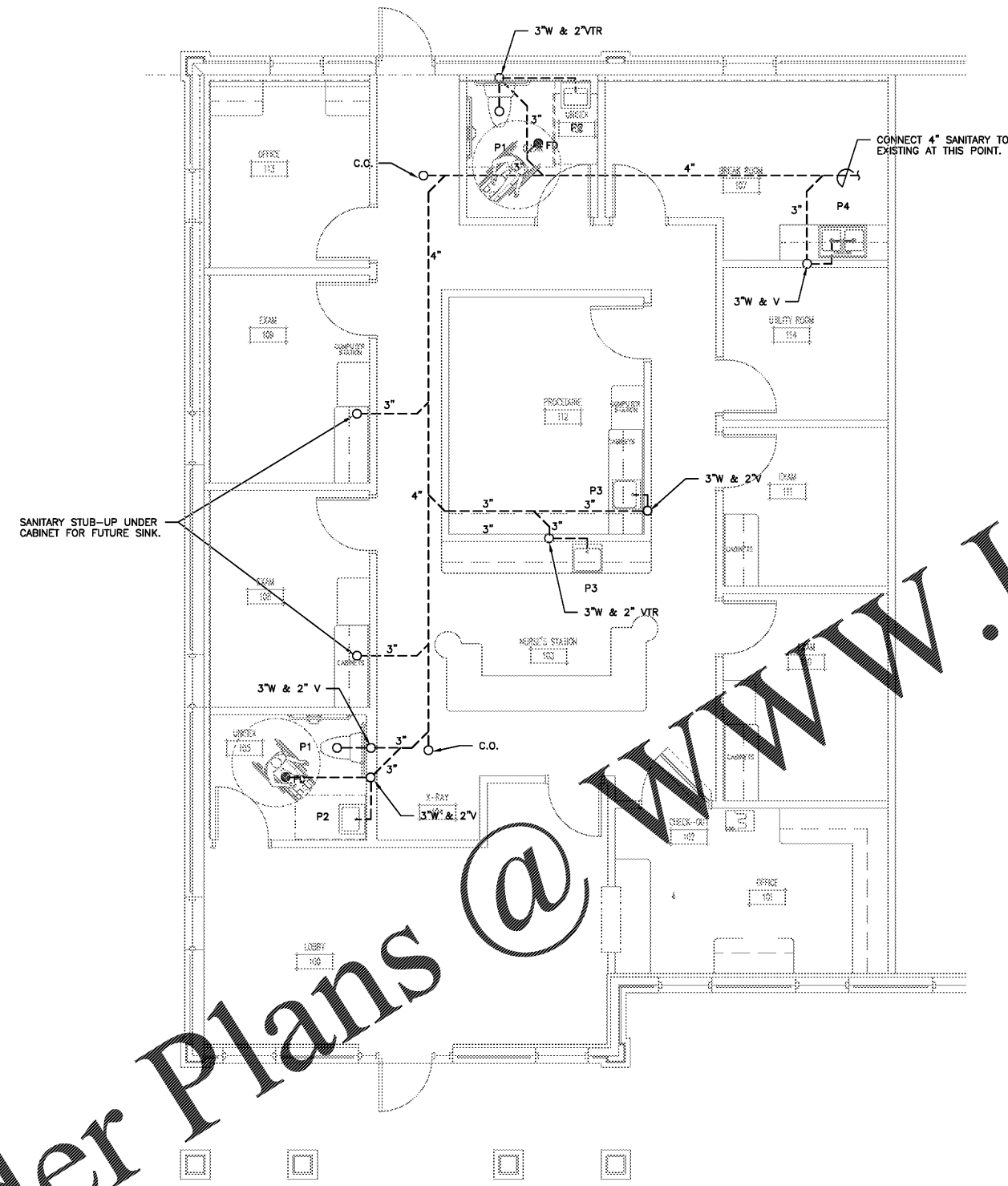
FLOOR PLANS
PLUMBING

P101

HFR 20-164.00

PLUMBING NOTES

1. COLD AND HOT WATER PIPING ABOVE GRADE SHALL BE TYPE L-HARD DRAWN COPPER TUBING CONFORMING TO ASTM B-88 WITH SWEAT JOINTS AND CAST OR WROUGHT FITTINGS. JOINTS SHALL BE MADE W/ LEAD FREE SOLDER, J.W. HARRIS BRIDGIT OR EQUAL. COLD WATER PIPING BELOW GRADE SHALL BE TYPE K COPPER TUBING WITH CAST OR WROUGHT FITTINGS AND JOINTS SAME AS ABOVE GRADE. JOINTS SHALL NOT BE PERMITTED UNDER FLOOR SLABS. WATER PIPING BELOW GRADE THROUGH CONCRETE SHALL BE PROTECTED WITH PLASTIC SLEEVES. IF PERMITTED BY CODE, CPVC GOLD PIPING MAY BE SUBSTITUTED FOR COPPER.
2. SANITARY WASTE AND VENT PIPING ABOVE GROUND SHALL BE NO-HUB CAST-IRON WITH STAINLESS STEEL COUPLINGS, OR SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS IF APPROVED BY LOCAL CODE. OFFICIAL PVC PIPING SHALL NOT BE LOCATED IN RETURN AIR PLENUM SPACES.
3. SANITARY WASTE PIPING BELOW GROUND SHALL BE CAST-IRON WITH PUSH-ON JOINTS, OR SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS.
4. ALL HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE INSULATED WITH 1/2" NOMINAL THICKNESS PIPE INSULATION WITH VAPOR BARRIER JACKET, OWENS-CORNING ASJISLI OR EQUAL.
5. ALL COLD WATER, HOT WATER AND DRAIN PIPING AT HANDICAPPED FIXTURES SHALL BE INSULATED WITH SELF-SEAL ARMAFLEX 2.0 OR EQUIV. 1/2" WALL THICKNESS. INSULATION SHALL BE WHITE IN COLOR AND SHALL FIT SNUGGLY AROUND PIPING.
6. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE STANDARD PLUMBING CODE AND ALL APPLICABLE LOCAL ORDINANCES.
7. ALL PIPING PENETRATING CEILINGS & WALLS SHALL BE INSTALLED WITH CHROME-PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER & SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
8. TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
9. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE. SHALL NOT REST ON CEILING TILES OR STRUCTURE.
10. SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED ON THE DRAWINGS; PIPING FIXTURES & TRIM; WATER HEATERS & ACCESSORIES; VALVES & FITTINGS; SANITARY & WATER RISER DIAGRAMS; INSULATION.
11. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
12. WATER PIPING ROUTED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION. DO NOT ROUTE PIPE LARGER THAN 3/4" Ø HORIZONTALLY IN INTERIOR LOAD BEARING OR ANY EXTERIOR WALLS. PIPE MUST BE CENTERED. ROUTE LARGER PIPES THROUGH CEILING/FLOOR SPACES AND UP AND DOWN OR UP TO REQUIRED LOCATION.
13. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
14. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER START-UP.
15. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS.
16. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE & COMBUSTIBILITY.
17. ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) W/ ELECTRICAL DRAWINGS.
18. PENETRATIONS THRU RATED WALLS AND FLOOR SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR FIRE STOPS ASTM-E-814.



1 FLOOR PLAN - SANITARY
Scale: 1/4"=1'-0"

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