GENERAL NOTES:

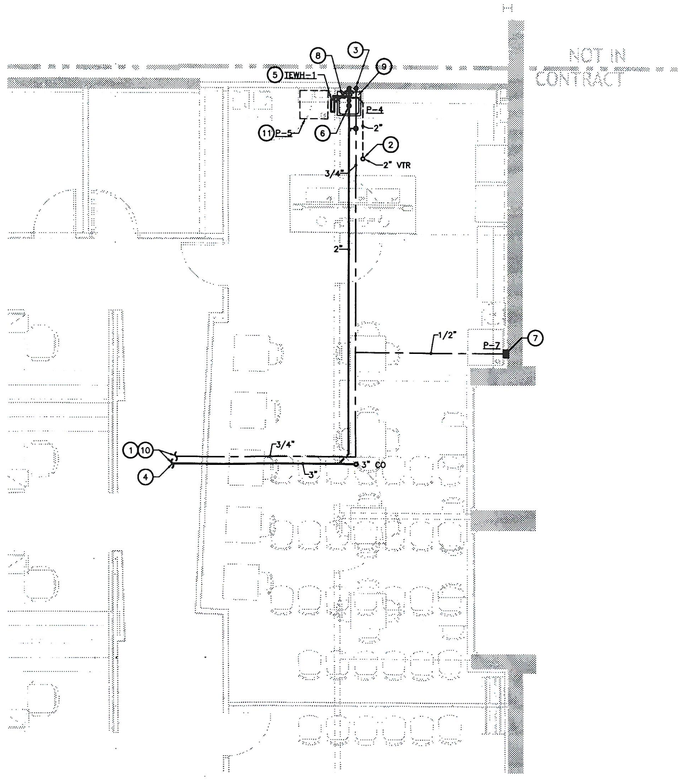
1. FOR SYMBOLS & ABBREVIATIONS SEE DWG. M000.
2. ALL ABOVE CEILING SPACES ARE CONSIDERED RETURN AIR PLENUMS. ALL MATERIALS TO BE INSTALLED IN CEILING SPACES SHALL MEET FLAME SPREAD AND SMOKE DEVELOPMENT REQUIREMENTS FOR PLENUM APPLICATIONS.

FIRE SUPPRESSION NOTES:

1. A CERTIFIED SPRINKLER CONTRACTOR SHALL MODIFY AND EXTEND THE EXISTING FIRE PROTECTION SPRINKLER SYSTEM TO PROVIDE A COMPLETE WET PIPE SPRINKLER SYSTEM TO ALL RENOVATED AREAS TO ACCOMMODATE PROPER SPRINKLER COVERAGE PER NFPA 13, ALL LOCAL APPLICABLE FIRE PROTECTION CODES AND THE LOCAL FIRE MARSHAL AND/OR THE AUTHORITY HAVING JURISDICTION. SPRINKLER CLASSIFICATION SHALL BE "LIGHT HAZARD" OR AS OTHERWISE NOTED. COORDINATE SPRINKLER HEADS WITH NEW CEILING LAYOUT AND ALL OTHER TRADES.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND FOLLOW ALL APPLICABLE CODES TO PERFORM THE WORK AS OUTLINED. ALL CERTIFICATES OF FINAL INSPECTION SHALL BE DELIVERED TO OWNER AT COMPLETION OF PROJECT.
3. THE CONTRACTOR SHALL SUBMIT A LIST OF ALL MATERIALS AND EQUIPMENT TO BE UTILIZED ON THE PROJECT. CUT SHEETS AND EQUIPMENT DATA SHALL BE SUBMITTED FOR APPROVAL TO THE OWNER'S REPRESENTATIVE.
4. THE CONTRACTOR SHALL VISIT JOBSITE PRIOR TO BID AND INCLUDE ANY SPECIAL PROVISIONS & CONDITIONS AFFECTING THE PROJECT.
5. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING, ETC., AND COORDINATE WITH OTHER TRADES PRIOR TO THE INSTALLATION OF NEW WORK.

NEW WORK REFERENCE NOTES:

1. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING PLUMBING PIPING FOR CONNECTION OF NEW PLUMBING FIXTURES IN THIS AREA.
2. EXTEND 2" VTR TO 12" ABOVE ROOF LINE INSTALL FLASHING AND REPAIR ROOF.
3. 3/4" DOMESTIC CW PIPING ROUTE IN 1ST FLOOR CEILING AND TIE INTO EXISTING DOMESTIC CW MAIN 1/1/2" OR LARGER.
4. LOCATE EXISTING 4" SANITARY; SAWCUT AND DEMO CONCRETE FLOOR FROM EXISTING 4" SANITARY TO P-4 PLUMBING FIXTURE ROUTE AND LOCATION AS INDICATED ON DRAWING. CONNECT TO EXISTING 4" SANITARY, INSTALL SANITARY PIPING TO P-4 PLUMBING FIXTURE AS INDICATED ON DRAWING
5. TEWH-1 NEW CHRONOMITE MODEL# M-40 INSTANT-FLOW MICRO TANKLESS ELECTRIC WATER HEATER, 208V. SINGLE PHASE OR EQUAL. MOUNTED UNDER SINK COUNTERTOP.
6. GE 1/2 HORSEPOWER CONTINUOUS FEED DISPOSER MODEL #GFC525F OR EQUAL.
7. P-7 PROVIDE AND INSTALL ICE MAKER WATER BOX; STAINLESS STEEL ICE MAKER BOX W/QTR. TURN SWEAT VALVE. BASIS OF DESIGN: GUY GRAY MODEL #SS1B1 OR EQUAL.
8. DOM HW FROM TANKLESS EWH-1 TO KITCHEN SINK FAUCET
9. P-4 PROVIDE AND INSTALL KITCHEN SINK MFG. BY ELKAY, GOURMET (LUSTERTONE) SINK MODEL #LRAD2522 WITH DELTA SINGLE HANDLE KITCHEN FAUCET MODEL #100-WF OR EQUAL; TRUEBRO ADA COMPLIANT BASIN GUARD/INSULATED SHIELD OR EQUAL. SINK INSTALLATION SHALL BE ADA COMPLIANT.
10. SEE DWG. P100 FOR CONTINUATION.
11. PROVIDE DOMESTIC HOT WATER AND WASTE CONNECTION THRU AIR GAP FITTING TO DISHWASHER P-5.



NEW WORK PLAN - PLUMBING
SCALE: 1/4"=1'-0"

MECHANICAL SPECIFICATIONS

1 PERMITS, CODES AND INSPECTIONS:

1.1 The Contractor shall secure and pay for all permits and inspections required for the work included in this project. Upon completion of work, the Contractor shall deliver certificates of final inspection approved by the authority having jurisdiction to the Owner.

1.2 Materials and workmanship shall conform to the following standards:

IMC	International Mechanical Code, 2009 edition
NSPC	National Standard Plumbing Code, 2009 edition
ANSI	American National Standards Institute
NFPA	National Fire Protection Association
SMACNA	Standards

All applicable Anne Arundel County, Maryland State, and Local Codes

2 SUBMITTALS

2.1 Submittals shall consist of manufacturer's certified scale drawings, cuts, catalogs or descriptive literature with complete certified characteristics of equipment, dimensions, capacity, code requirements, motor drive and testing. in addition, Contractor shall provide working shop drawings of ductwork, piping, sprinklers, tank vault and any other details which may be required to clarify installation of piping or equipment.

2.2 Certified performance curves for all pumps shall be submitted for approval.

2.3 Prior to submittal, the Contractor shall check the submittals thoroughly to ascertain that they comply in detail with the Plans and Specifications, the electrical characteristics are correct for the available service, and that dimensions are shown and checked to fit available space with recommended access. Any deviations from Plans and Specifications shall be clearly noted on the certified submittals. Submittals shall include a reference to the appropriate section, page, paragraph number of the specification. The Installer shall stamp the submittal with his firm's name, date, and approval noted, indicating that the above has been complied with. Submittals received without his stamp will be returned disapproved without further explanation.

2.4 Submittals shall be tendered for items of equipment specified under each section of the specifications or specified on the drawing.

2.5 Any changes in any trade brought about by substitutions of specified equipment shall be done at no change in the contract price.

2.6 Failure to submit Shop Drawings or Material Lists in ample time for proper checking and necessary re-submission, shall not be allowed as reason for any claim for extension of time or delay.

2.7 The review of a Shop Drawing or Material List shall not be considered as a guarantee of the measurements of the building conditions, or that the Shop Drawings or Material Lists has been checked to see that the item submitted properly fits the building conditions. Review shall not in any way relieve the Contractor of his responsibility or necessity for furnishing material or performing work as required by the specifications and contract drawings, or relieve the Contractor of his responsibilities for correctness of dimensions and quantities, or for proper coordination of details and interface with other trades.

MECHANICAL SPECIFICATIONS

3 PIPING & PIPING INSULATION

3.1 Domestic Water: ASTM B 88 copper tubing, type L, hard temper, wrought copper fittings, ANSI B16.22, NSF-61-G compliant, solder with non-corrosive paste flux.

3.2 Domestic water piping shall be insulated with 1" thick fiberglass FSK with ASJ.

3.3 Sanitary & Vent piping: piping shall be ASTM D 1785 schedule 40 solid wall PVC or service weight cast iron pipe with DWV pattern fittings "BELOW" the floor slab; service weight cast iron with no-hub couplings and DWV pattern fittings "ABOVE" the floor slab.

4 VALVES

4.1 Ball: NSF-61-G compliant, Nibco No. 685-80 series

4.2 Check: NSF-61-G compliant, Nibco No. 413 series

5 PLUMBING FIXTURES (as indicated on drawings)

6 FIRE PROTECTION SPRINKLER SYSTEM

6.1 The existing sprinkler system extension and relocation shall accommodate the new tenant space floor plan in accordance with the Anne Arundel County Building and Fire Codes and applicable portions of NFPA. The fire protection contractor shall be responsible for designing the renovated systems and obtaining approval of the same from the authority having jurisdiction. The contractor shall visit the site prior to bidding to determine the extent of the work involved for this project.

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ISSUED FOR	DATE
BID SET	07.07.2011

CONSULTANT

OWNER / DEVELOPER
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PROJECT NAME
Johns Hopkins Healthcare Masterplan

PROJECT ADDRESS
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Suite D
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PROJECT MANAGEMENT
DCI Project No. 459-10-01

SEAL

SHEET TITLE
FLOOR PLAN PLUMBING

SCALE
AS SHOWN

SHEET NUMBER
P101