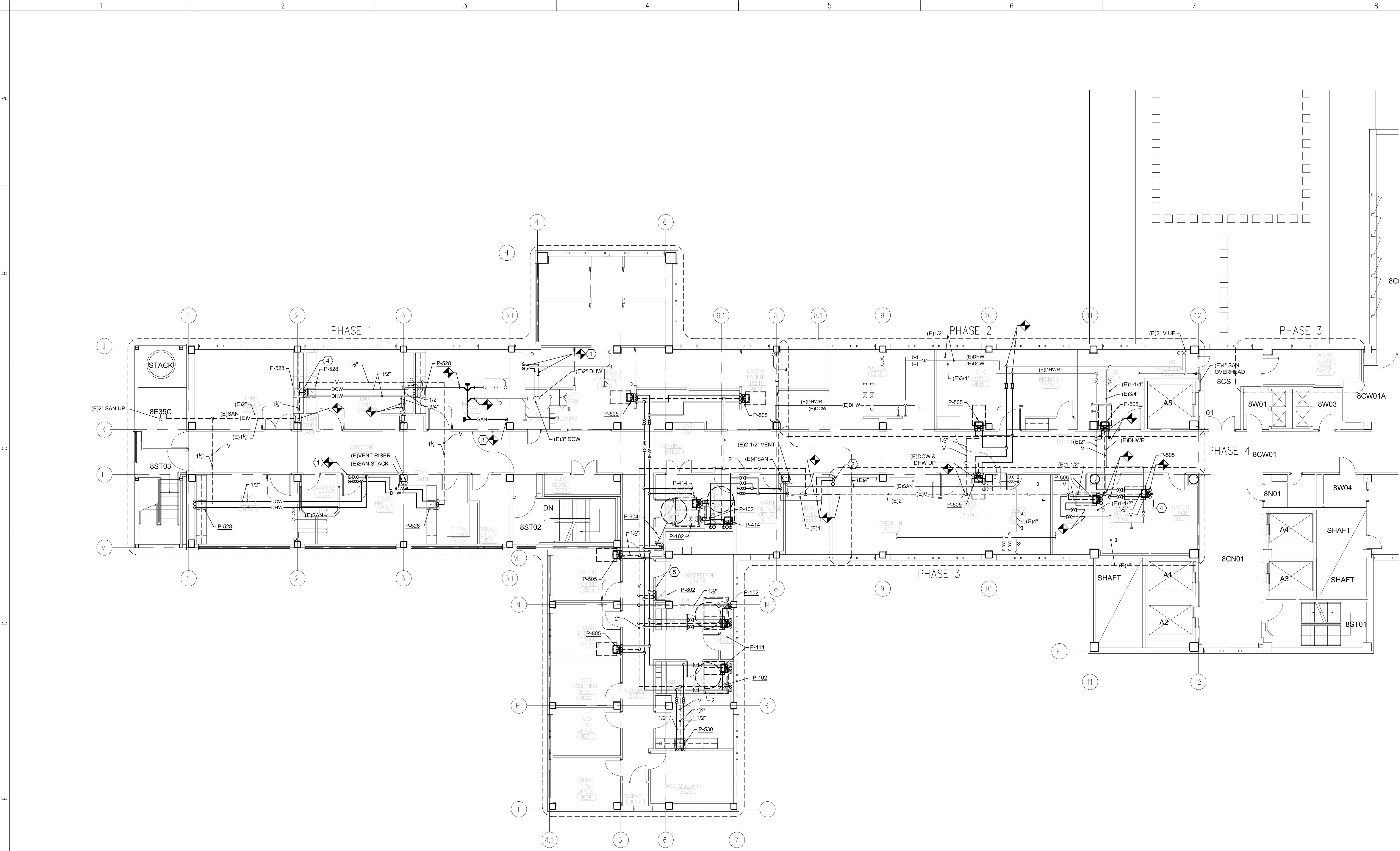


three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



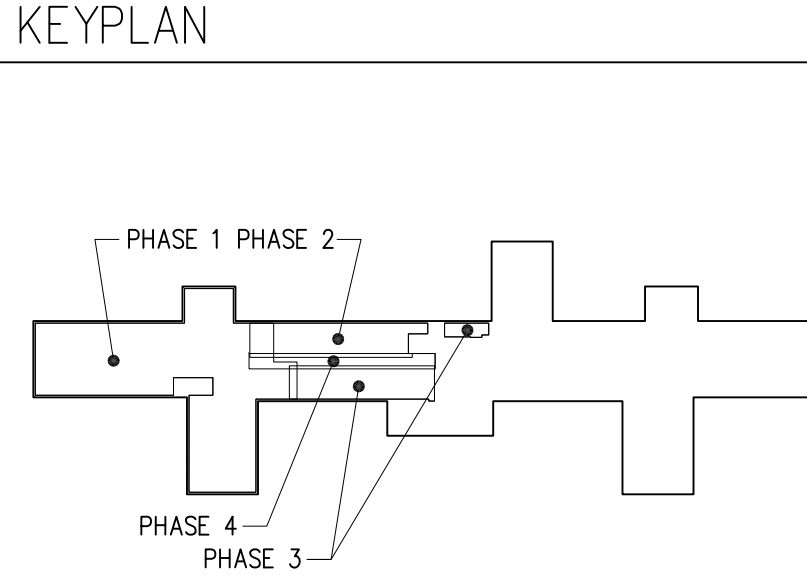
**A EIGHTH FLOOR**  
PLUMBING

1/8" = 1'-0"  
0 1 2 4 8

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- PLUMBING GENERAL NOTES**
- THE SYSTEM DESIGN IS BASED ON THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE PROVISIONS INCLUDING ALL AMENDMENTS THROUGH THE DATE OF DRAWING ISSUE. PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE STATE AND NATIONAL PLUMBING CODES AND THE IOWA PLUMBING CODE LATEST EDITION.
  - ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AS REQUIRED BY LOCAL AND STATE CODES.
  - CHANGES IN DESIGN, SIZING OR LOCATION ARE EXPRESSLY PROHIBITED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.
  - ARRANGE AND PAY FOR PERMITS, INSPECTION FEES AND OTHER CHARGES RELATED TO PLUMBING WORK AND PAYABLE TO UTILITY COMPANIES OR CODE ENFORCEMENT AGENCIES.
  - COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH ALL OTHER TRADES.
  - ALL NEW WALL PENETRATIONS OF MASONRY OR CONCRETE SHALL BE SLEEVED, FILL VOID (ANNULUS) AROUND ALL PIPE PENETRATIONS THROUGH WALLS WITH MINIMUM 5/8" THICKNESS OF SEALANT, FLUSH WITH BOTH WALL SURFACES.
  - SEAL WATERTIGHT ALL PENETRATIONS THROUGH FLOORS.
  - FIRE STOP ALL PENETRATIONS OF FIRE RATED ASSEMBLIES AND ENCLOSURES. ALL PENETRATIONS OF FIRE RATED CONSTRUCTION MUST BE PER MANUFACTURER'S DETAILS. THE DETAILS SHALL MEET OR EXCEED RATING OF CONSTRUCTION BEING PENETRATED. FIRE STOP SYSTEM SHALL CONSIST OF THE FOLLOWING:  
A. PACKING MATERIAL MINIMUM THICKNESS OF 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING.  
B. SEALANT, HILTI ING FS - ONE SEALANT OR APPROVED EQUAL, MINIMUM 1/4" THICKNESS FLUSH W/ BOTH WALL SURFACES.
  - PROVIDE CUTTING AND PATCHING OF WALLS REQUIRED FOR THE INSTALLATION OF THE WORK. OPENINGS SHALL BE NEATLY DRILLED OR CUT. PATCH WORK SHALL MATCH THE EXISTING ADJACENT SURFACE AND BE FINISHED IN A MANNER ACCEPTABLE TO THE ARCHITECT.
  - PITCH SANITARY WASTE AND VENT PIPING IN THE DIRECTION OF FLOW AT NO LESS THE 1/8" PER FOOT. PITCH PIPES 2" AND SMALLER AT 1/4" PER FOOT UNLESS NOTED OTHERWISE.
  - COORDINATE PIPING WITH BEAMS, JOISTS, WALLS, HVAC DUCTWORK, EQUIPMENT, WIRING AND CONDUIT.
  - PIPING LAYOUT IS SCHEMATIC; PROVIDE RISES, DROPS, OFFSETS ETC, AND ALL FITTINGS NECESSARY TO INSTALL PIPING.
  - COORDINATE PIPING WITH OTHER CONTRACTORS PRIOR TO ROUGH-IN.
  - PLUMBING ITEMS INSTALLED ON THIS PROJECT SHALL BEAR THE LABEL OF AN APPROVED TESTING AGENCY AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VERIFY THAT ALL PARTS ARE PROPERLY FURNISHED AND INSTALLED, THAT ALL ITEM FUNCTION PROPERLY AND THAT ALL ADJUSTMENTS HAVE BEEN MADE.
  - ALL PLUMBING FIXTURES ARE TO BE INSTALLED WITH SHUT-OFF VALVES.
  - INVERT ELEVATIONS (E.) BASED ON FINISHED FLOOR ELEVATION OF 100.00'. ALL INVERTS, STATED OR NOT, SHALL BE COORDINATED IN THE FIELD. VERIFY EXISTING INVERTS PRIOR TO STARTING WORK.
  - THOROUGHLY CLEAN ALL NEW PLUMBING FIXTURES PRIOR TO COMPLETION OF THE WORK.
  - PROVIDE ISOLATORS BETWEEN COPPER PIPING AND DISSIMILAR METALS.
  - COMPLY WITH ALL OSHA STANDARDS, INCLUDING "HOT WORK" STANDARDS. THIS WORK INCLUDES, BUT IS NOT LIMITED TO, WELDING, CUTTING, BRAZING, SOLDERING, ETC.
  - INFORMATION CONCERNING EXISTING SYSTEMS WAS OBTAINED PRIMARILY FROM EXISTING DRAWINGS FOR THE CONTRACTOR'S REFERENCE ONLY. ALL EXISTING INFORMATION SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTORS.

- CODED NOTES**
- EXTEND NEW DCW AND DHW MAINS TO 7th FLOOR AND RECONNECT TO EXISTING AS REQUIRED. COORDINATE TIE-IN WITH VA PROJECT MANAGER TWO WEEKS IN ADVANCE. REFER TO SHEET 1-A11 FOR UNDER FLOOR ROOMS.
  - EXTEND NEW DCW, DHW AND VENT MAINS TO 7th FLOOR AND RECONNECT TO EXISTING AS REQUIRED. COORDINATE TIE-IN WITH VA PROJECT MANAGER TWO WEEKS IN ADVANCE. REFER TO SHEET 1-A11 FOR UNDER FLOOR ROOMS.
  - EXTEND NEW SANITARY MAIN TO 7th FLOOR AND RECONNECT TO EXISTING AS REQUIRED. COORDINATE TIE-IN WITH VA PROJECT MANAGER TWO WEEKS IN ADVANCE. REFER TO SHEET 1-A11 FOR UNDER FLOOR ROOMS.
  - PROVIDE 1/2" SUPPLIES TO BOTH PLUMBING FIXTURES.
  - PROVIDE HOSE BIB W/ VACUUM BREAKER, WALL MOUNTED.



**CONSTRUCTION DOCUMENTS**

Project Number 636A8-12-005	Office of Construction and Facilities Management
Building Number 1	
Drawing Number 1-P1	Department of Veteran Affairs
21 of 42	

NO.	REVISIONS/SUBMISSIONS	DATE	Consultant	Seal	<b>FED/Matrix</b> A Joint Venture 255 COUNTY ROAD 555 SOUTH, BARTOW, FLORIDA 33830 Telephone: (863) 665-6363 Fax: (863) 667-1773	Drawing Title <b>EIGHT EAST PLUMBING NEW WORK PLAN</b> Approved: Project Director	Project Title <b>RENOVATE 8 EAST FOR ENDOSCOPY &amp; CARDIOLOGY IC VAHCS</b> Location IOWA CITY, IOWA Date 07/27/2012 Checked CAM Drawn JMS	Project Number 636A8-12-005 Building Number 1 Drawing Number 1-P1 21 of 42	Office of Construction and Facilities Management Department of Veteran Affairs
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