

1  
H0.2 MECHANICAL OVERALL FIRST FLOOR PLAN  
SCALE: 1/16" = 1'-0"

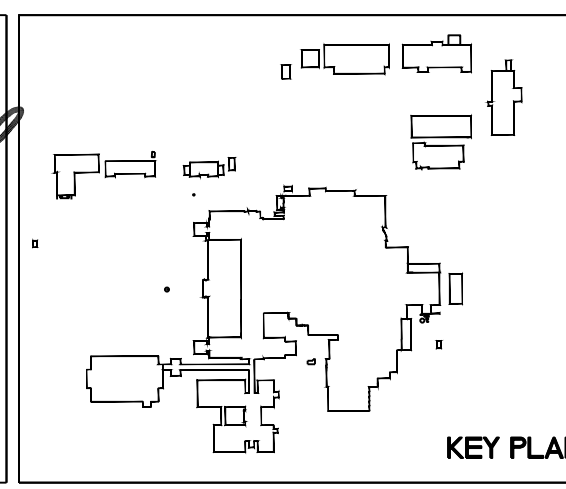
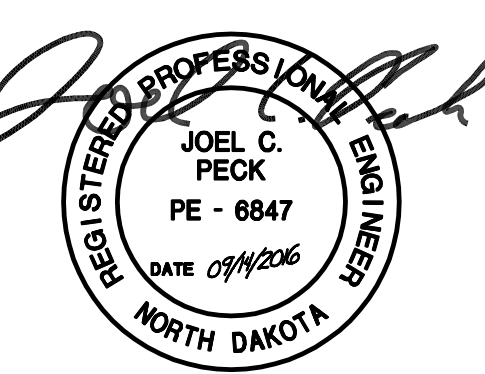
**MECHANICAL NOTES:**

- 2 REFER TO PHASE 2 DRAWINGS FOR WORK IN THIS AREA.
- 3 REFER TO PHASE 3 DRAWINGS FOR WORK IN THIS AREA.
- 4 REFER TO PHASE 4 DRAWINGS FOR WORK IN THIS AREA.

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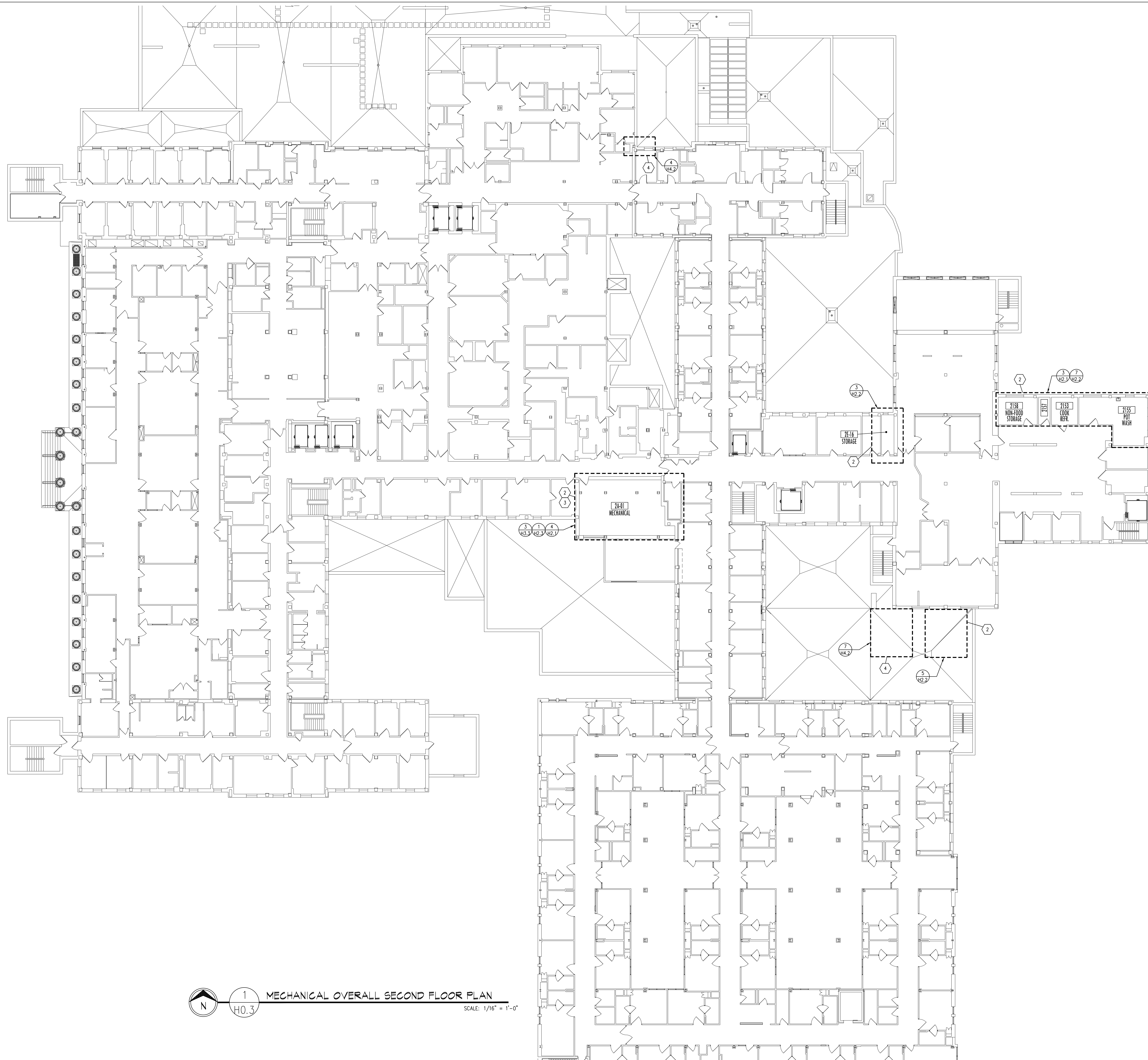
Revisions	Date

**Dept. of Veterans Affairs**  
**Medical Center**  
 2101 Elm Street  
 Fargo, ND 58102



Drawing Title <b>MECHANICAL OVERALL FIRST FLOOR PLAN</b>		Project Title <b>REPLACE OR UPGRADE HVAC SYSTEM COMPONENTS</b>		Date SEPT. 14, 2016
Project Phase		Scale: AS SHOWN		Drawing No. <b>H0.2</b>
VA Project No. <b>437-19-111</b>	Contract No. <b>VA263-P-1218</b>	Designed By JP	Checked By JP	Drawn By JF
Building No. <b>VAMC CAMPUS</b>	AutoCAD File Name <b>202229-10.2.DWG</b>	Location <b>FARGO VA HEALTH CARE SYSTEM FARGO, NORTH DAKOTA</b>		
				Dwg. 15 of 66

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1
**MECHANICAL OVERALL SECOND FLOOR PLAN**  
 SCALE: 1/16" = 1'-0"

MECHANICAL NOTES:	
2	REFER TO PHASE 2 DRAWINGS FOR WORK IN THIS AREA.
3	REFER TO PHASE 3 DRAWINGS FOR WORK IN THIS AREA.
4	REFER TO PHASE 4 DRAWINGS FOR WORK IN THIS AREA.

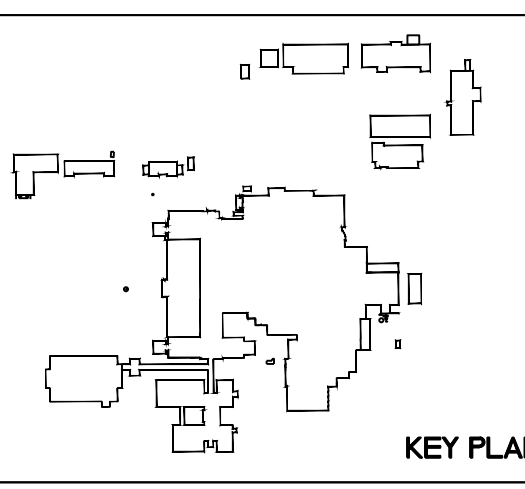
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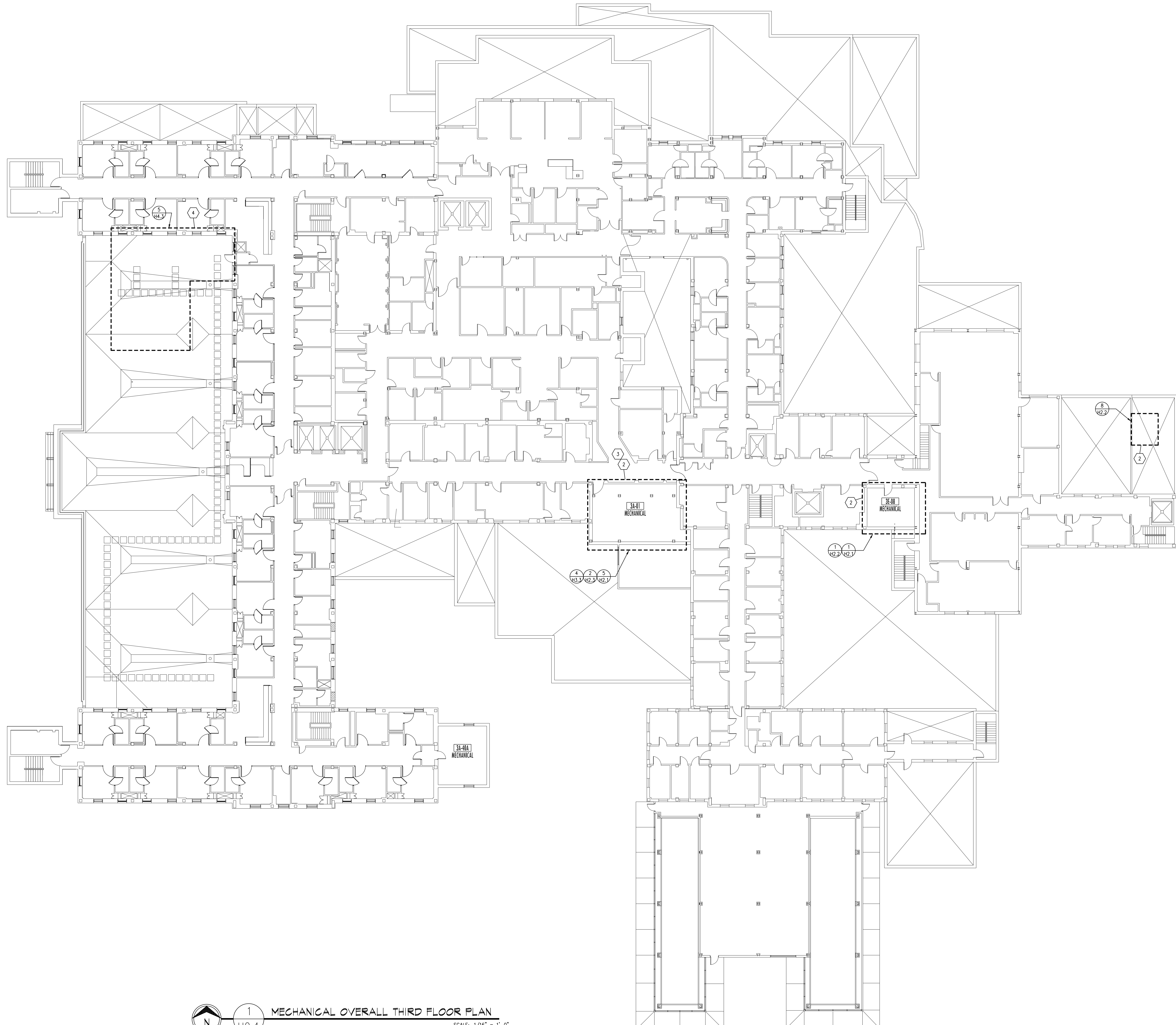
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REGISTERED PROFESSIONAL ENGINEER  
 JOEL C. PECK  
 PE - 6847  
 DATE 07/14/2016  
 NORTH DAKOTA



Drawing Title <b>MECHANICAL OVERALL SECOND FLOOR PLAN</b>		Project Title <b>REPLACE OR UPGRADE HVAC SYSTEM COMPONENTS</b>			Date <b>SEPT. 14, 2016</b>	
Project Phase 		Contract No. <b>VA263-P-1218</b>			Scale: <b>AS SHOWN</b>	
VA Project No. <b>437-13-111</b>		Contract No. <b>VA263-C-</b>	Designed By <b>JP</b>	Checked By <b>JP</b>	Drawn By <b>JP</b>	Drawing No. <b>H0.3</b>
Building No. <b>VAMC CAMPUS</b>		AutoCAD File Name <b>202279-H03.DWG</b>	Location <b>FARGO VA HEALTH CARE SYSTEM          FARGO, NORTH DAKOTA</b>			Dwg. 16 of 66

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MECHANICAL NOTES:	
2	REFER TO PHASE 2 DRAWINGS FOR WORK IN THIS AREA.
3	REFER TO PHASE 3 DRAWINGS FOR WORK IN THIS AREA.
4	REFER TO PHASE 4 DRAWINGS FOR WORK IN THIS AREA.



1 MECHANICAL OVERALL THIRD FLOOR PLAN  
H0.4  
SCALE: 1/16" = 1'-0"

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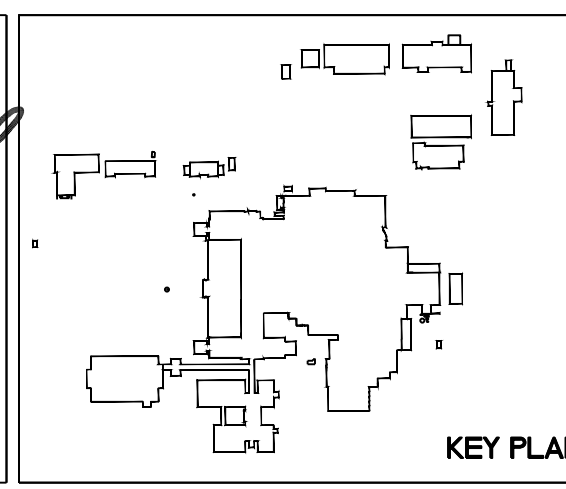
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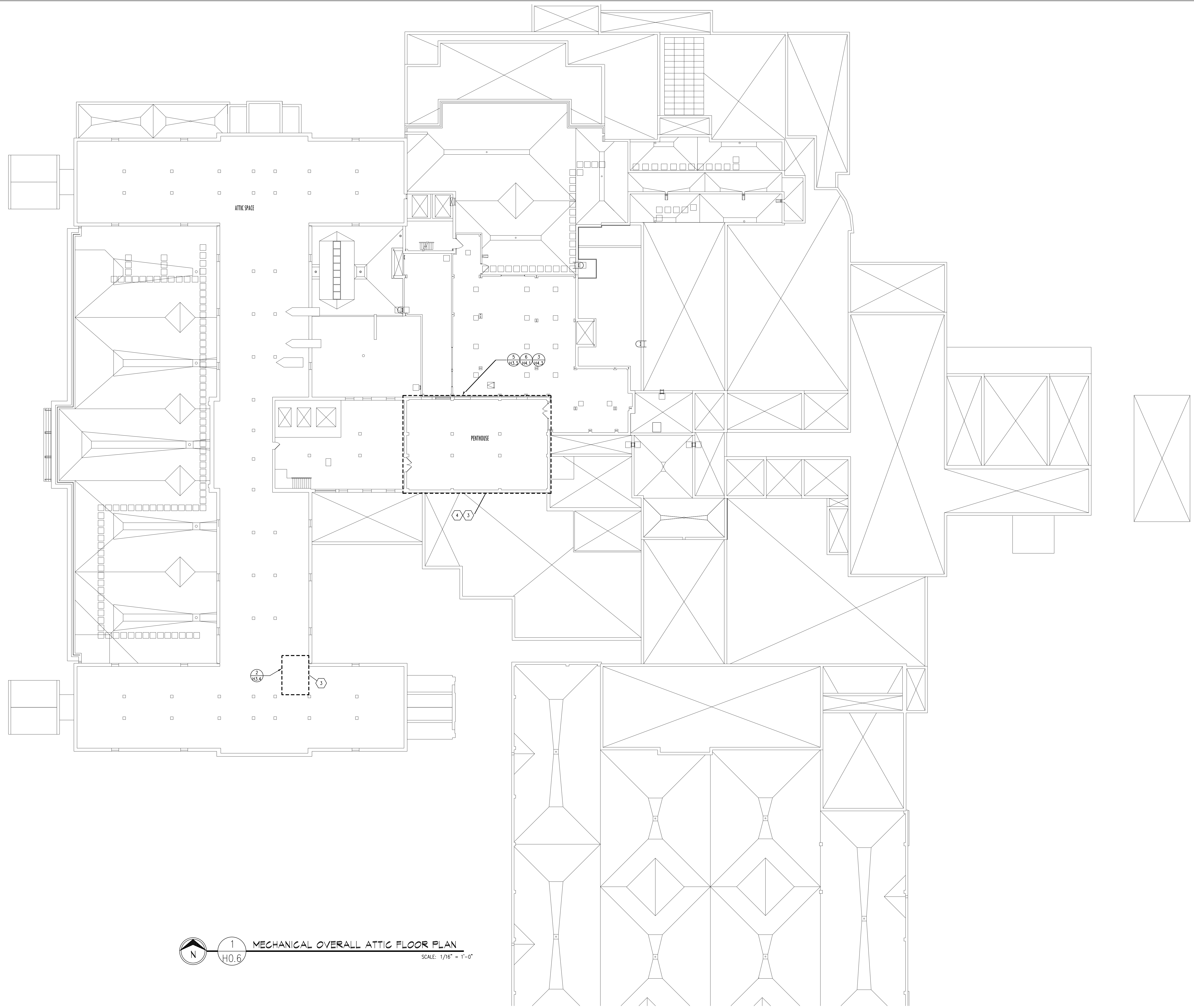


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

Drawing Title MECHANICAL OVERALL THIRD FLOOR PLAN		Project Title REPLACE OR UPGRADE HVAC SYSTEM COMPONENTS			Date SEPT. 14, 2016
Project Phase		Scale: AS SHOWN			Drawing No. H0.4
VA Project No. 437-13-111	Contract No. VA263-P-1218 VA263-C-	Designed By JP	Checked By JP	Drawn By JP	Dwg. 17 of 66
Building No. VAMC CAMPUS	AutoCAD File Name 2012213-H04.DWG	Location FARGO VA HEALTH CARE SYSTEM FARGO, NORTH DAKOTA			

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1 MECHANICAL OVERALL ATTIC FLOOR PLAN  
H0.6
SCALE: 1/16" = 1'-0"

**MECHANICAL NOTES:**

 REFER TO PHASE 3 DRAWINGS FOR WORK IN THIS AREA.  
 REFER TO PHASE 4 DRAWINGS FOR WORK IN THIS AREA.

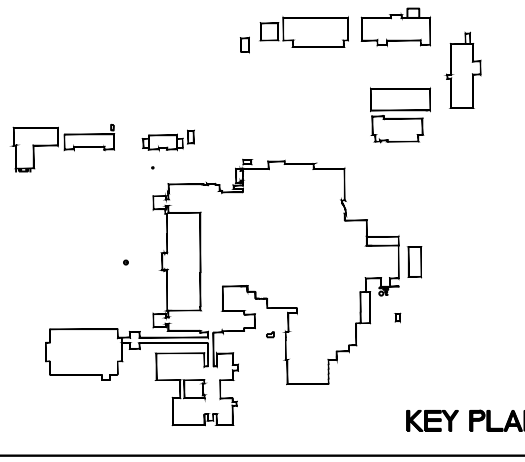
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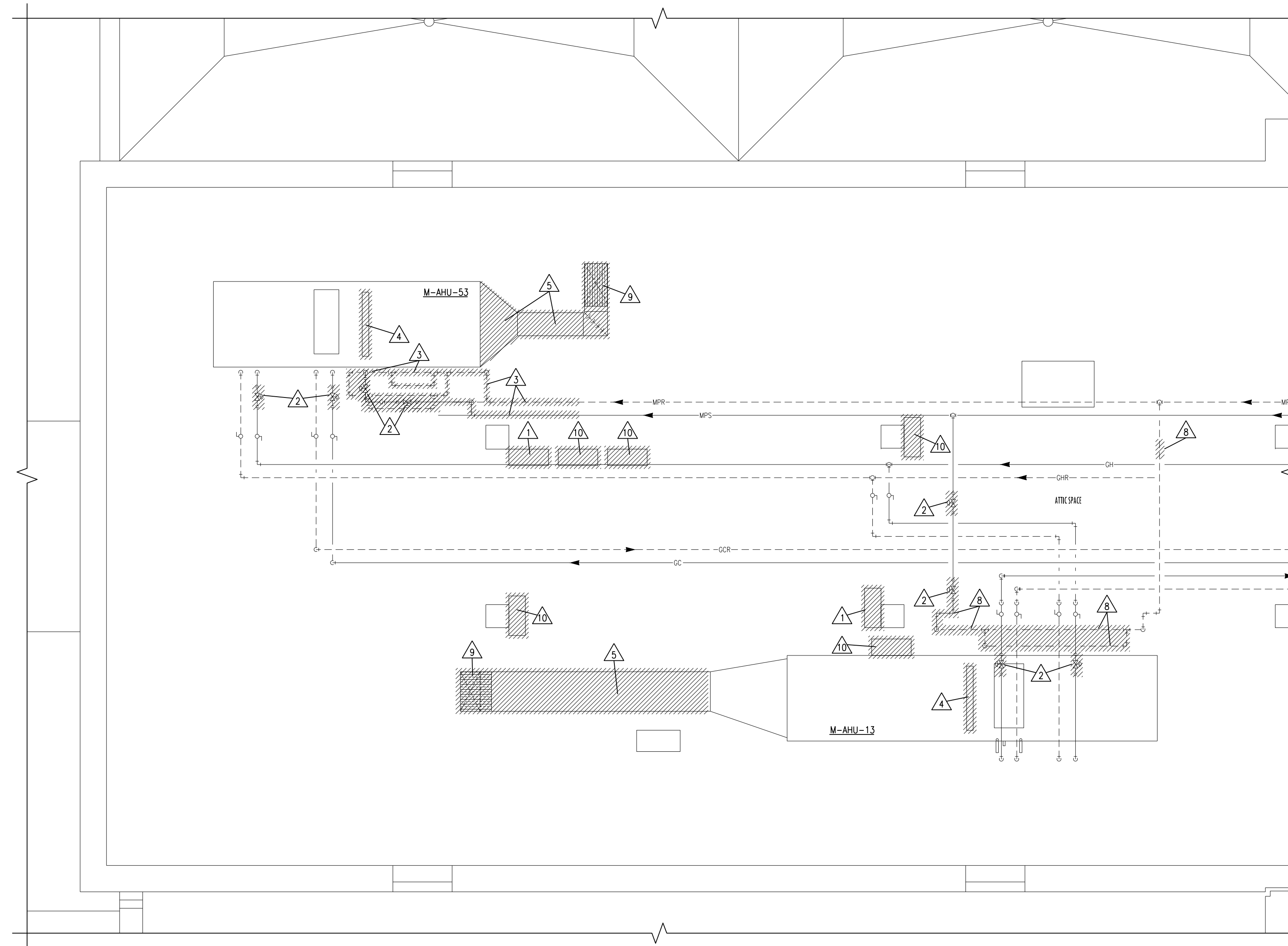

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 JOEL C. PECK  
 PE - 6847  
 DATE 07/2016  
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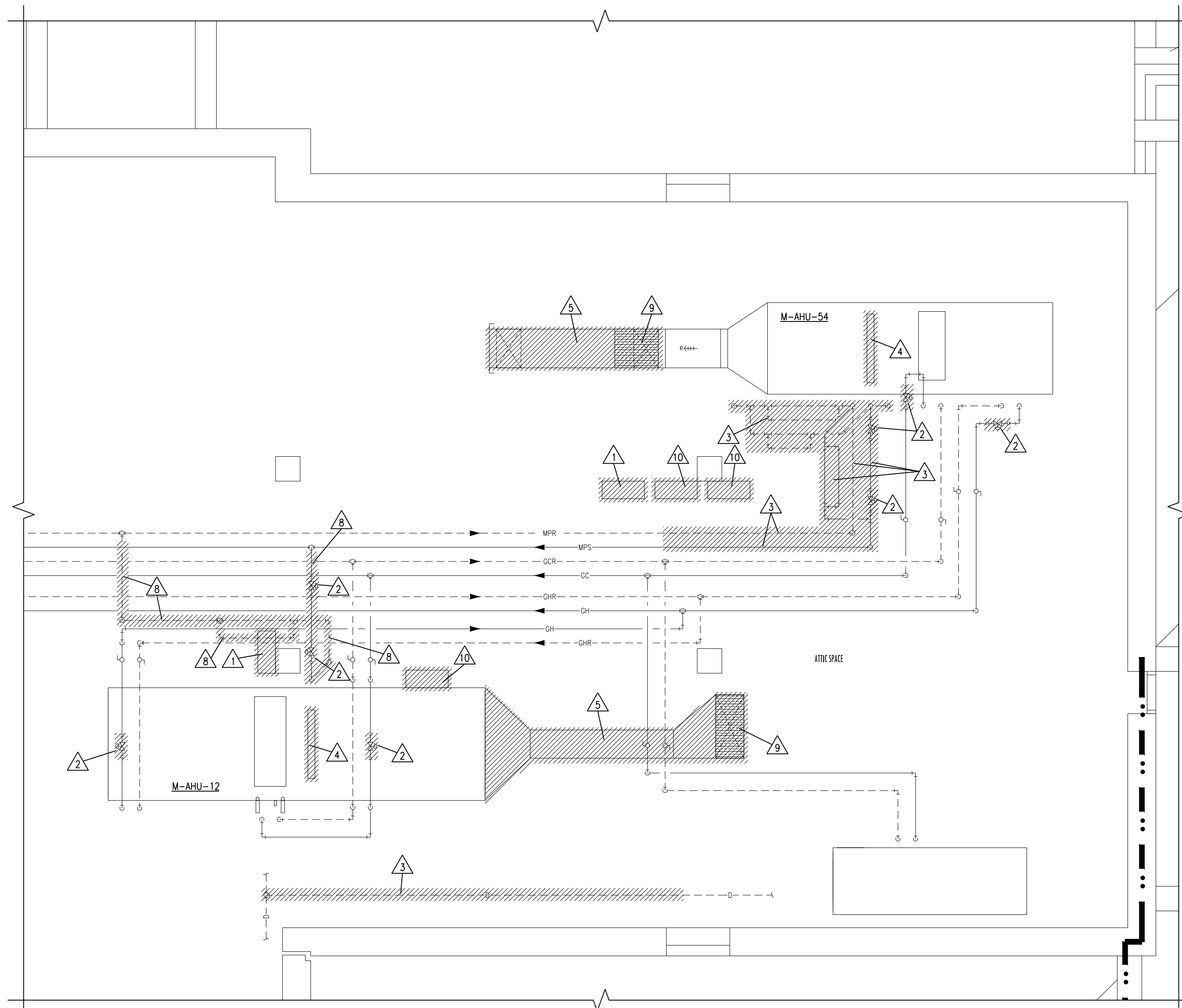


Drawing Title <b>MECHANICAL OVERALL ATTIC FLOOR PLAN</b>		Project Title <b>REPLACE OR UPGRADE HVAC SYSTEM COMPONENTS</b>		Date SEPT. 14, 2016
Project Phase		Scale: AS SHOWN		Drawing No. <b>H0.6</b>
VA Project No. <b>437-13-111</b>	Contract No. <b>VA263-P-1218</b>	Designed By JP	Checked By JP	Drawn By JF
Building No. <b>VAMC CAMPUS</b>	AutoCAD File Name <b>202213-H0.6.DWG</b>	Location <b>FARGO VA HEALTH CARE SYSTEM FARGO, NORTH DAKOTA</b>		
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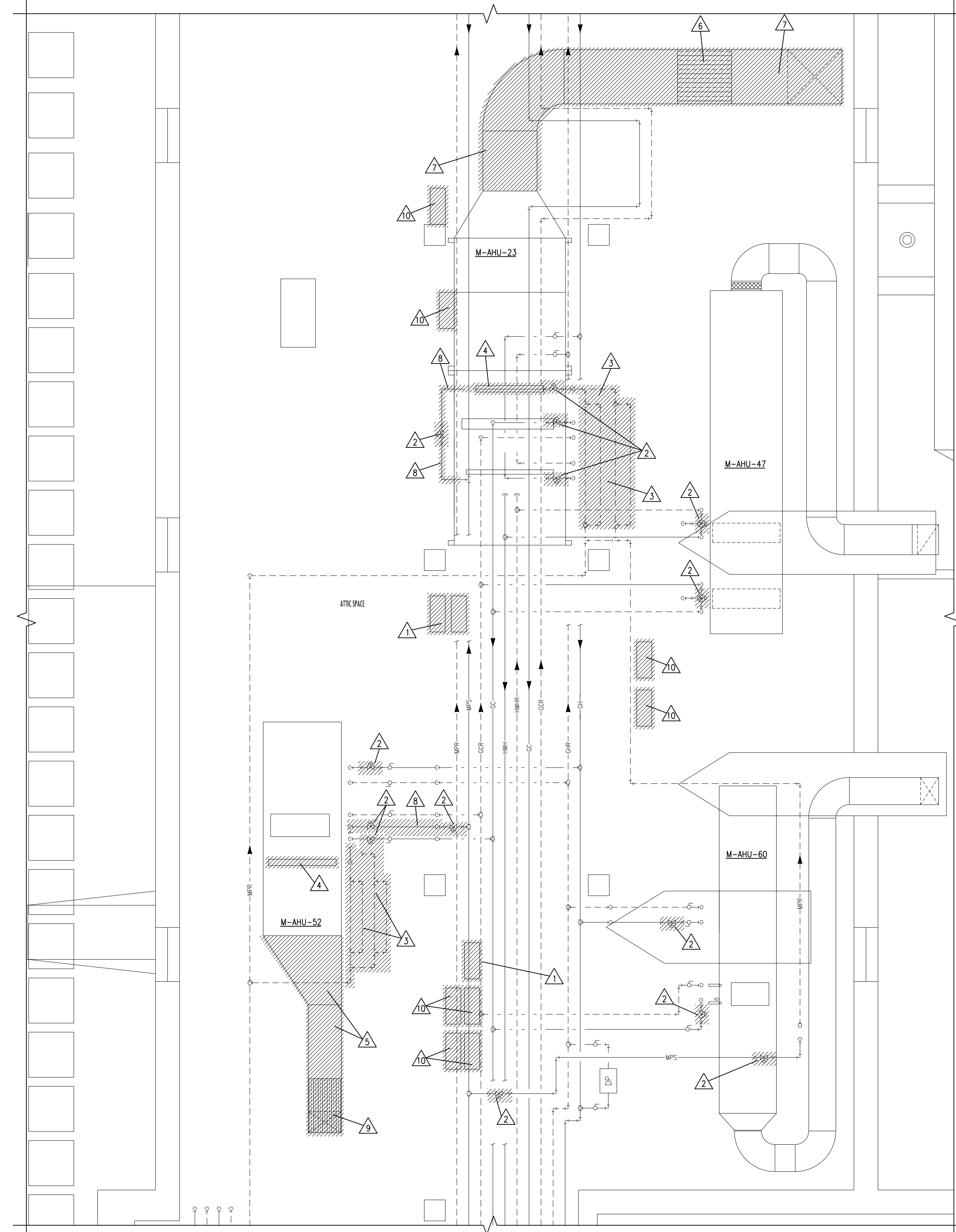
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3 EXISTING LAYOUT ATTIC SPACE DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"



2 EXISTING LAYOUT ATTIC SPACE DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"



1 EXISTING LAYOUT ATTIC SPACE DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"

- AIR HANDLER PHASING NOTES:**
- ALL AIR HANDLER REPLACEMENTS SHALL BE PERFORMED IN APRIL/MAY OR SEPTEMBER/OCTOBER MONTHS IN CAREFUL COORDINATION WITH THE OWNER. PROVIDE A MINIMUM OF 2 WEEKS NOTICE PRIOR TO BEGINNING WORK.
  - FOR TEMPORARY AIR HANDLER OPERATION, PROVIDE A TEMPORARY FAN EQUAL TO THE UNIT AIRFLOW/HORSE POWER, AND HEPA FILTER TO BE MOUNTED TO THE SUPPLY DUCTWORK PRIOR TO REMOVING UNIT. REFER TO FLOOR PLANS FOR SUGGESTED TEMPORARY SUPPLY FAN LOCATION. FAN SHALL RUN CONTINUOUSLY. MAINTAIN THE MECHANICAL ROOM TEMPERATURE AT A MINIMUM OF 55 DEGREES AND MAXIMUM OF 70 DEGREES DURING AHU CHANGE OUT USING EXISTING HEATING UNITS OR TEMPORARY COOLING/HEATING UNITS. OUTSIDE AIR, RETURN AIR, RELIEF AIR, AND SUPPLY AIR DUCTS SHALL BE LEFT OPEN TO USE THE MECHANICAL ROOM AS A PLENUM.
  - ALL UNIT SHUTDOWN WORK SHALL BE COMPLETED DURING WEEKEND AND EVENING HOURS. REPLACEMENT OF UNIT SHALL BE COMPLETED AS QUICKLY AS POSSIBLE WITH MULTIPLE SHIFTS REQUIRED TO EXPEDITE WORK. ALL CONTROLS WORK THAT CAN BE COMPLETED BEFORE AND SHALL BE COORDINATED. WORK SHALL BE COMPLETED DURING SPRING, FALL, OR WINTER MONTHS.
  - DISASSEMBLE NEW AIR HANDLERS TO THEIR SMALLEST COMPONENTS AS REQUIRED TO FIT THROUGH EXISTING DOORS. TEMPORARILY REMOVE EXISTING MECHANICAL ROOM DOORS AS NECESSARY.

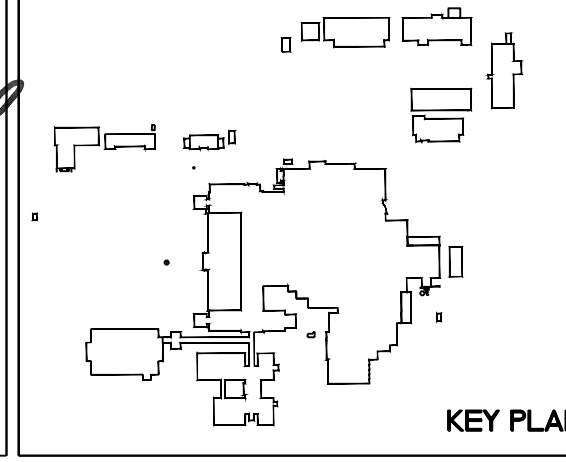
- AIR HANDLER CONTROLS & HUMIDIFIER RELOCATION PHASING NOTES:**
- MECHANICAL CONTRACTOR SHALL INSTALL ALL NEW CONTROLS DEVICES, PANEL, WIRING, CONDUIT, ETC. AS MUCH AS POSSIBLE BEFORE SYSTEM SWITCHOVER TO NEW CONTROLS SYSTEM.
  - ALL CONTROLS SYSTEM SWITCHOVERS SHALL BE CAREFULLY COORDINATED WITH THE VA AND SHALL OCCUR DURING EVENING OR WEEKEND HOURS AND SHALL BE KEPT TO A MINIMUM AMOUNT OF TIME. PROVIDE A MINIMUM OF 2 WEEKS OF ADVANCE NOTICE BEFORE STARTING WORK. SWITCHOVERS SHALL OCCUR AT THE BEGINNING OF THE WEEK AND THE UNIT SHALL BE MONITORED ALL WEEK LONG TO PREVENT ISSUES WITH TEMPERATURE CONTROL.
  - INSTALL ALL NEW VALVES, PIPING, CONTROLS, ETC. AS MUCH AS POSSIBLE PRIOR TO RELOCATING EXISTING HUMIDIFIERS.
  - ALL WORK TO RELOCATE THE HUMIDIFIERS OR ATTENUATORS SHALL TAKE PLACE DURING EVENING OR WEEKEND HOURS WITH A MINIMUM 2 WEEK NOTICE GIVEN TO THE OWNER BEFORE STARTING WORK AND SHALL BE KEPT TO A MINIMUM AMOUNT OF TIME. OBTAIN ALL FIELD MEASUREMENTS AND FABRICATE DUCTWORK PRIOR TO DEMOLITION TO MINIMIZE DOWNTIME WORK TO OCCUR DURING NON-HEATING MONTHS.
  - FOR ALL AIR HANDLERS SERVING AREAS THAT OPERATE 24/7, PROVIDE TEMPORARY DUCTWORK TO KEEP THE UNIT OPERATIONAL DURING HUMIDIFIER AND DUCTWORK MODIFICATIONS.

- MECHANICAL DEMOLITION NOTES:**
- DEMOLITION DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE BASED ON FIELD OBSERVATION AND EXISTING RECORD DRAWINGS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN THE "AS-BUILT" CONDITIONS AND THESE DRAWINGS. PROVIDE ADDITIONAL DEMOLITION AS REQUIRED BASED ON FIELD CONDITIONS.
  - THIS CONTRACTOR SHALL OPEN ALL WALLS AND/OR CEILING FOR DEMOLITION OF EXISTING HVAC PIPING, DUCTWORK, EQUIPMENT, ETC. AS REQUIRED.
  - THIS CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL HOLES/WALLS AND/OR CEILING FROM DEMOLISHED HVAC PIPING, DUCTWORK, EQUIPMENT, ETC. IN FLOORS, WALLS, AND CEILING TO MATCH EXISTING.
- △ REMOVE EXISTING PNEUMATIC TEMP. CONTROL PANEL COMPONENTS THAT ARE BEING REPLACED BY NEW DDC PANEL. LEAVE ANY PNEUMATIC COMPONENTS OPERATIONAL THAT ARE NOT BEING REPLACED OR SERVE OTHER UNITS. REMOVE PANELS WHERE ALL COMPONENTS REMOVED.
  - △ REMOVE EXISTING PNEUMATIC CONTROL VALVE & ALL ASSOCIATED TUBING TO MAN & CAP. INSTALL NEW DDC CONTROL VALVE. SEE NEW PLANS FOR NEW LOCATION. MODIFY ALL PIPING REQ'D FOR INSTALLATION.
  - △ DISCONNECT AND REMOVE EXISTING HVAC PIPING AND ALL ASSOCIATED HANGERS, VALVES, ETC. PREPARE REMAINING PIPING FOR NEW CONNECTION.
  - △ DISCONNECT AND REMOVE EXISTING HUMIDIFIER AND ALL ASSOCIATED STEAM AND CONDENSATE PIPING, VALVES, CONTROLS, ETC. PATCH INSULATION AND ALL REMAINING HOLES IN AIR HANDLERS CASING AIRTIGHT.
  - △ DISCONNECT AND REMOVE EXISTING DUCTWORK FOR INSTALLATION OF NEW HUMIDIFIER. PREPARE REMAINING DUCTWORK FOR NEW CONNECTION.
  - △ DISCONNECT AND RELOCATE EXISTING SOUND ATTENUATOR. PREPARE REMAINING DUCTWORK FOR NEW CONNECTION.
  - △ DISCONNECT AND REMOVE EXISTING DUCTWORK FOR INSTALLATION OF EXISTING ATTENUATOR. PREPARE REMAINING DUCTWORK FOR NEW CONNECTION.
  - △ DISCONNECT AND REMOVE EXISTING HVAC PIPING AND ALL ASSOCIATED HANGERS, VALVES, ETC. CAP PIPING BACK AT MAN.
  - △ DISCONNECT AND REMOVE EXISTING SOUND ATTENUATOR AND ALL ASSOCIATED DUCTWORK, INSULATION, ETC. PREPARE REMAINING DUCTWORK FOR NEW CONNECTION.
  - △ DISCONNECT AND REMOVE EXISTING VFD IN PREPARATION FOR THE INSTALLATION OF NEW VFD.

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Drawing Title ATTIC SPACE LARGE SCALE DEMOLITION PLANS		Project Title REPLACE OR UPGRADE HVAC SYSTEM COMPONENTS		Date SEPT. 14, 2016
Project Phase PHASE 1		Scale AS SHOWN		Drawing No. H1.1
VA Project No. 437-13-111	Contract No. VA263-P-1218 VA263-C-	Designed By JP	Checked By JP	Drawn By JF
Building No. VAMC CAMPUS	AutoCAD File Name 202223-PR1.DWG	Location FARGO VA HEALTH CARE SYSTEM FARGO, NORTH DAKOTA		Dwg. 20 of 66

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