

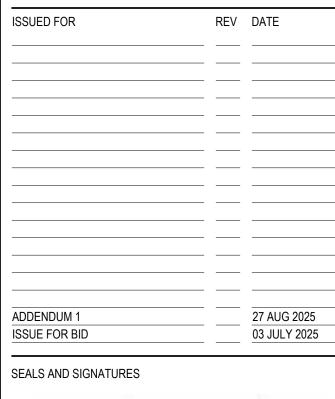


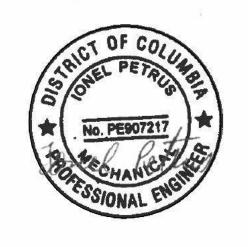


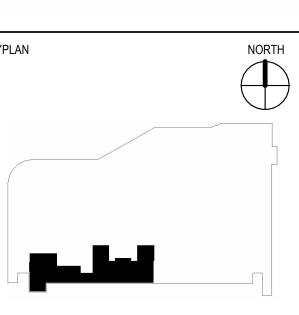
Mechanical Room 1000 Heating System Upgrade 500 Indiana Avenue N.W.
Washington, DC 20001

# **SMITHGROUP**

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**HVAC OPTION PLANS** 

15749.000

**G1.2** 

OPTION 3: DEMOLISH AND REMOVE EXISTING DIV 23, DIV 26, AND DIV 22 INFRASTRUCTURE.

REV DATE

03 JULY 2025

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Washington, DC 20001

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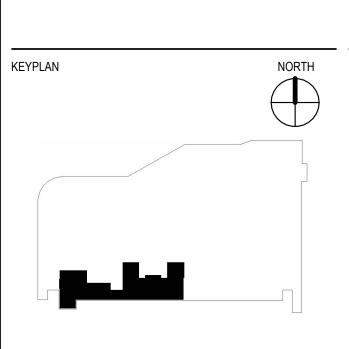
SEALS AND SIGNATURES

ADDENDUM 1

ISSUE FOR BID

ISSUED FOR



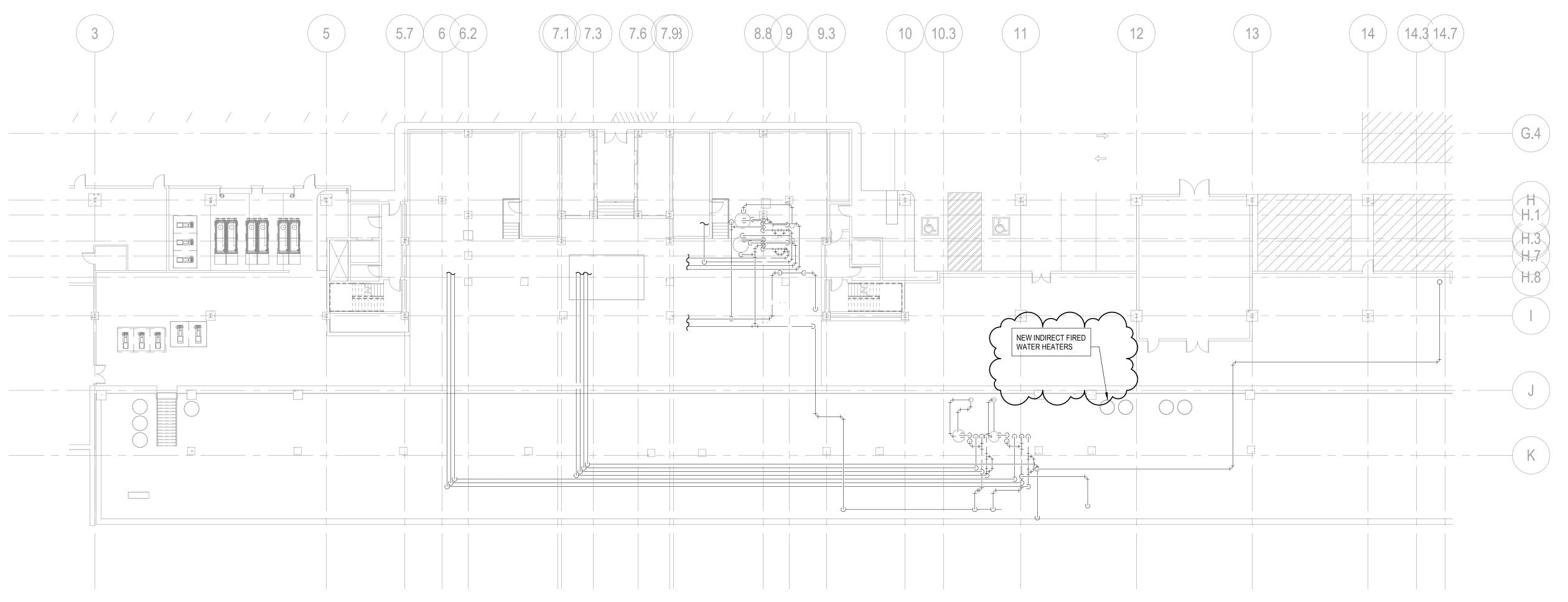


SHEET TITLE
HVAC OPTION PLANS

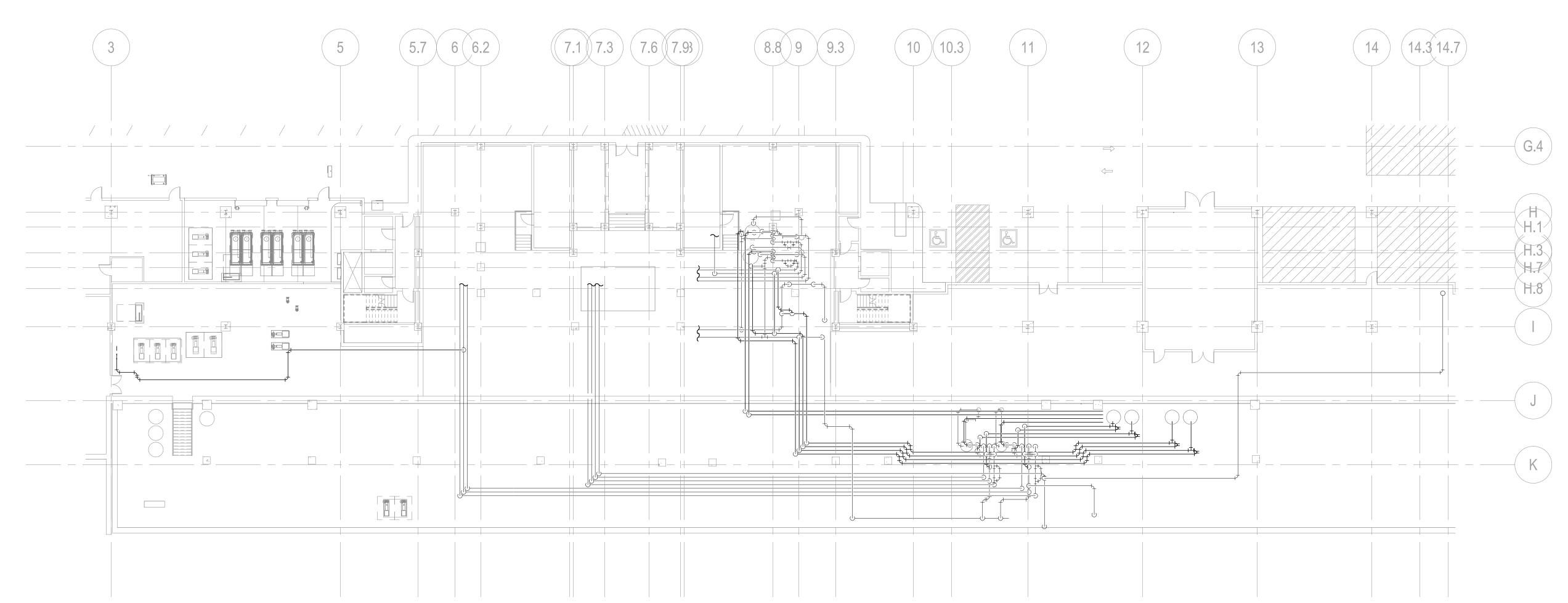
15749.000 PROJECT NUMBER G1.3

SHEET NUMBER

1 TO-25 OPTION 3
SCALE: 1/8" = 1'-0"



WATER OPTION 1
SCALE: 1/16" = 1'-0"



WATER OPTION 2
SCALE: 1/16" = 1'-0"

OPTION 2: INSTALL ALL NEW DIV 22 PIPING. PURCHASE AND INSTALL REDUCED PRESSURE ZONE BACKFLOW PREVENTER.



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ISSUED FOR	REV	DATE
ADDENDUM 1		27 AUG 2025
ISSUE FOR BID		03 JULY 2025

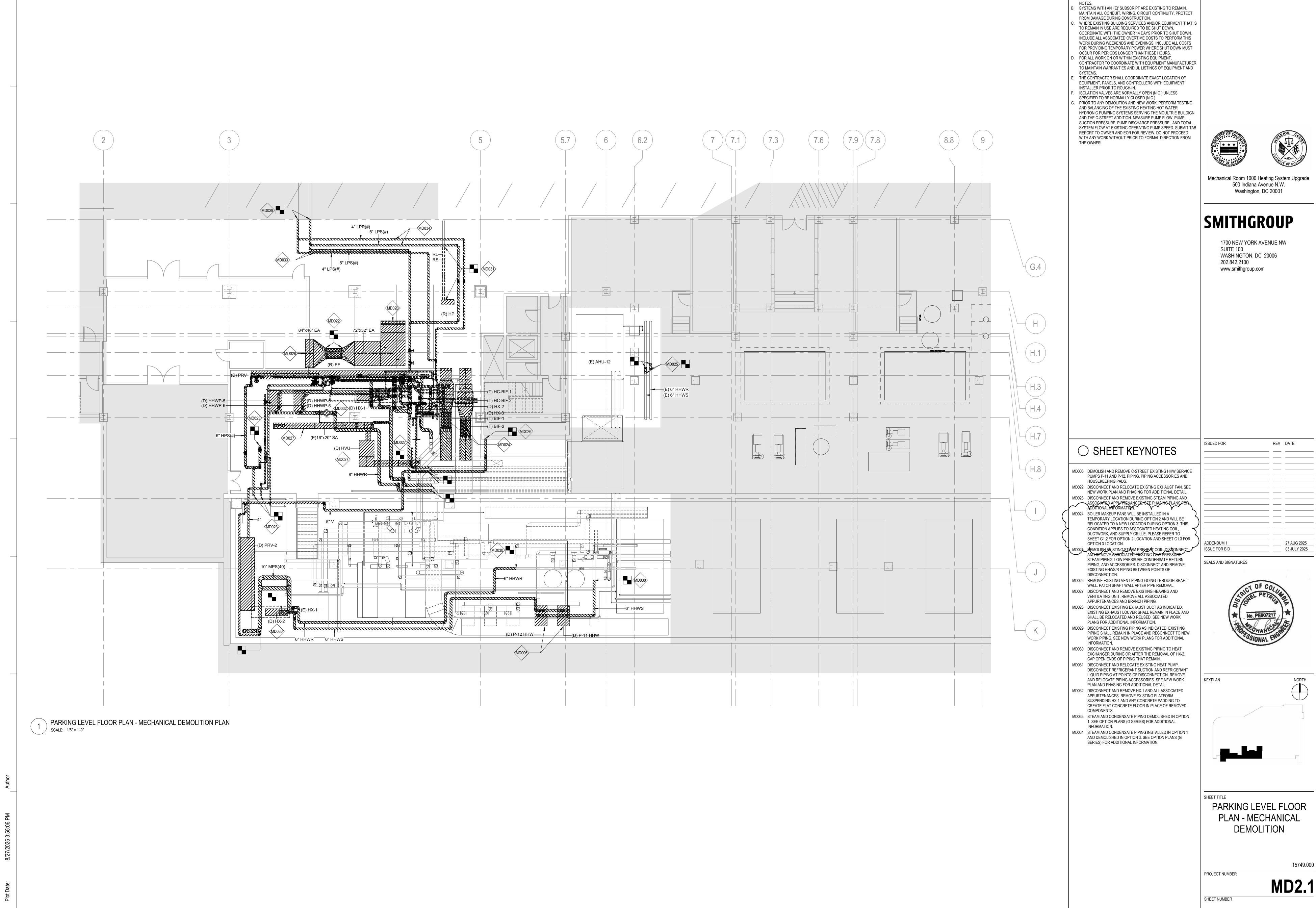
PLUMBING WATER

15749.000

OPTION PLAN

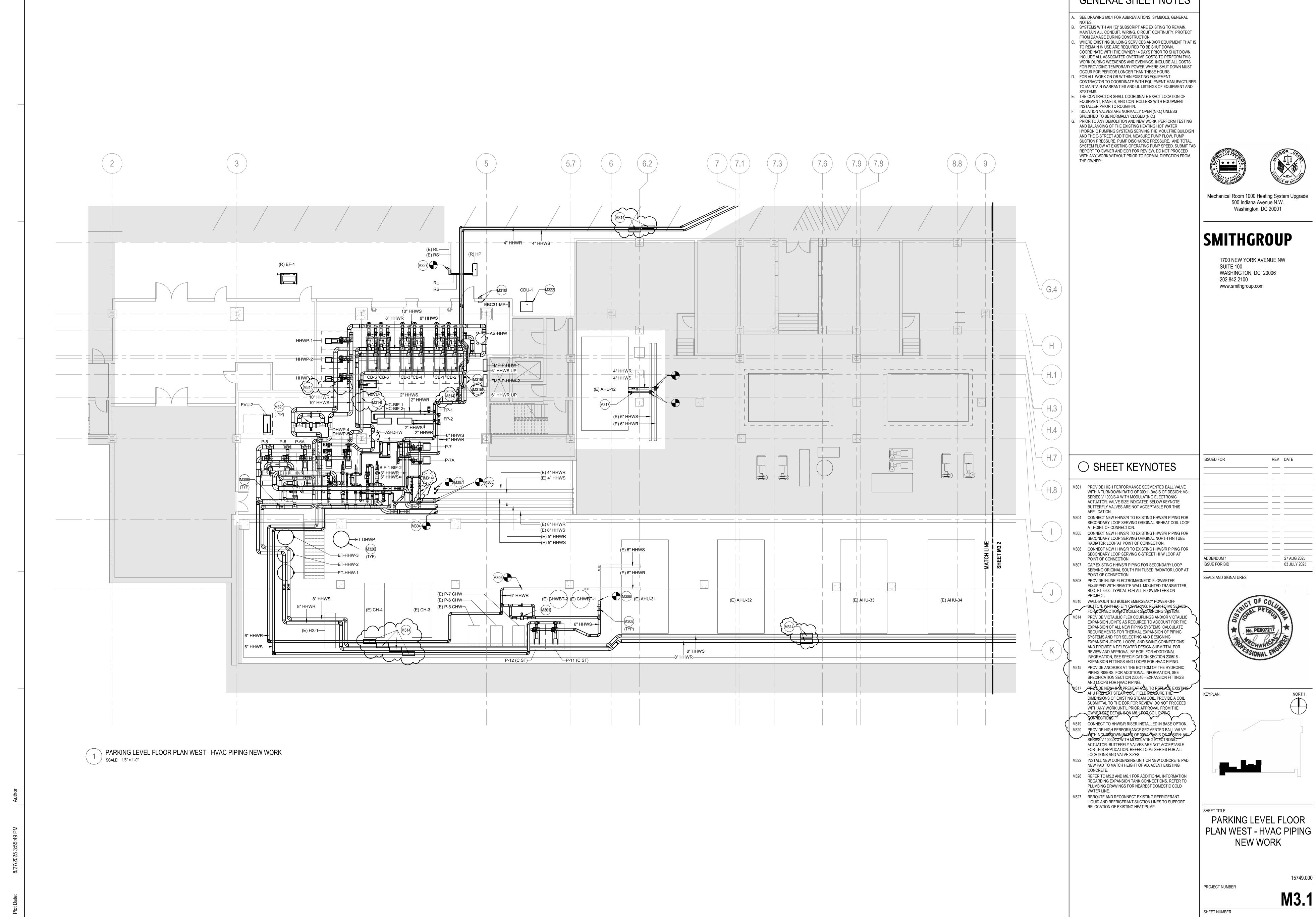
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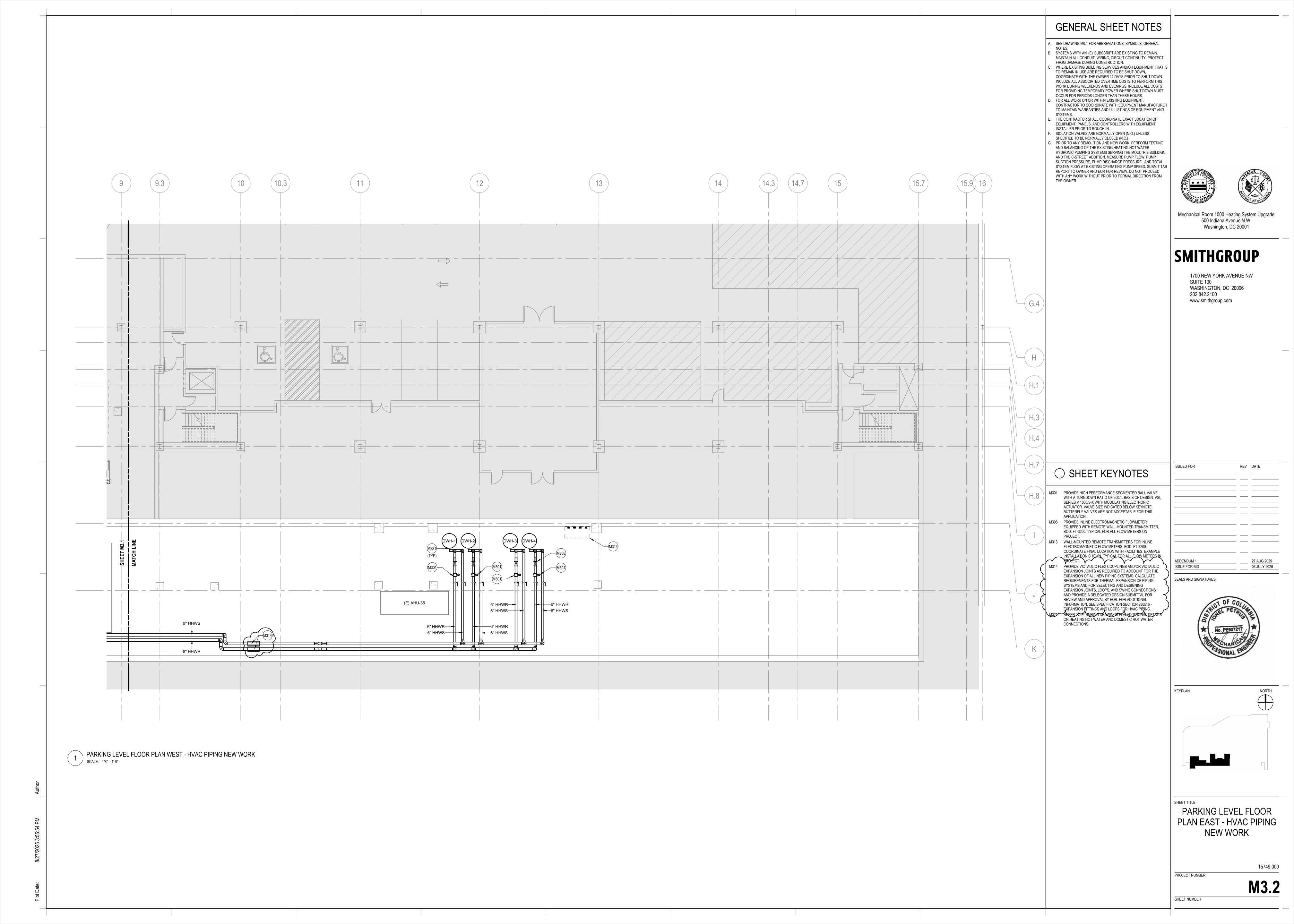
SHEET NUMBER



A. SEE DRAWING M0.1 FOR ABBREVIATIONS, SYMBOLS, GENERAL

15749.000





PARKING LEVEL FLOOR PLAN NORTH - HVAC PIPING NEW WORK SCALE: 1/16" = 1'-0"

#### GENERAL SHEET NOTES

- A. SEE DRAWING M0.1 FOR ABBREVIATIONS, SYMBOLS, GENERAL NOTES.
- B. SYSTEMS WITH AN '(E)' SUBSCRIPT ARE EXISTING TO REMAIN.
  MAINTAIN ALL CONDUIT, WIRING, CIRCUIT CONTINUITY. PROTECT
  FROM DAMAGE DURING CONSTRUCTION.
  C. WHERE EXISTING BUILDING SERVICES AND/OR EQUIPMENT THAT IS
  TO REMAIN IN USE ARE REQUIRED TO BE SHUT DOWN,
  COORDINATE WITH THE OWNER 14 DAYS PRIOR TO SHUT DOWN.
  INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS
  WORK DURING WEEKENDS AND EVENINGS. INCLUDE ALL COSTS
  FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWN MUST
- FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWN MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS.

  D. FOR ALL WORK ON OR WITHIN EXISTING EQUIPMENT, CONTRACTOR TO COORDINATE WITH EQUIPMENT MANUFACTURER TO MAINTAIN WARRANTIES AND UL LISTINGS OF EQUIPMENT AND
- TO MAINTAIN WARRANTIES AND UL LISTINGS OF EQUIPMENT AN SYSTEMS.

  E. THE CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT, PANELS, AND CONTROLLERS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- F. ISOLATION VALVES ARE NORMALLY OPEN (N.O.) UNLESS SPECIFIED TO BE NORMALLY CLOSED (N.C.)

  G. PRIOR TO ANY DEMOLITION AND NEW WORK, PERFORM TESTING AND BALANCING OF THE EXISTING HEATING HOT WATER HYDRONIC PUMPING SYSTEMS SERVING THE MOULTRIE BUILDIGN AND THE C-STREET ADDITION. MEASURE PUMP FLOW, PUMP SUCTION PRESSURE, PUMP DISCHARGE PRESSURE, AND TOTAL SYSTEM FLOW AT EXISTING OPERATING PUMP SPEED. SUBMIT TAB REPORT TO OWNER AND EOR FOR REVIEW. DO NOT PROCEED WITH ANY WORK WITHOUT PRIOR TO FORMAL DIRECTION FROM THE OWNER.





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#### SHEET KEYNOTES

M310 WALL-MOUNTED BOILER EMERGENCY POWER-OFF
BUTTON, WITH SAFETY COVERING. REFER TO M8 SERIES
FOR CONNECTION TO BOILER SEQUENCING SYSTEM.

M314 PROVIDE VICTAULIC FLEX COUPLINGS AND/OR VICTAULIC
EXPANSION JOINTS AS REQUIRED TO ACCOUNT FOR THE
EXPANSION OF ALL NEW PIPING SYSTEMS. CALCULATE
REQUIREMENTS FOR THERMAL EXPANSION OF PIPING
SYSTEMS AND FOR SELECTING AND DESIGNING
EXPANSION JOINTS, LOOPS, AND SWING CONNECTIONS
AND PROVIDE A DELEGATED DESIGN SUBMITTAL FOR
REVIEW AND APPROVAL BY EOR. FOR ADDITIONAL
INFORMATION, SEE SPECIFICATION SECTION 230516 EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING.

M317 PROVIDE NEW HIM PREHEAT COIL TO REPLACE EXISTING
AHU PREHEAT STEAM COIL. FIELD MEASURE THE
DIMENSIONS OF EXISTING STEAM COIL. PROVIDE A COIL
SUBMITTAL TO THE EOR FOR REVIEW. DO NOT PROCEED

WITH ANY WORK UNTIL PRIOR APPROVAL FROM THE OWNER SEE DETAIL 6 ON M6.1 FOR COIL PIPING

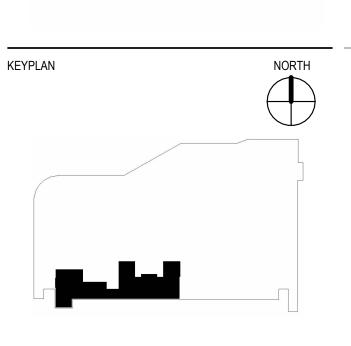
CONNECTIONS.



REV DATE

SEALS AND SIGNATURES



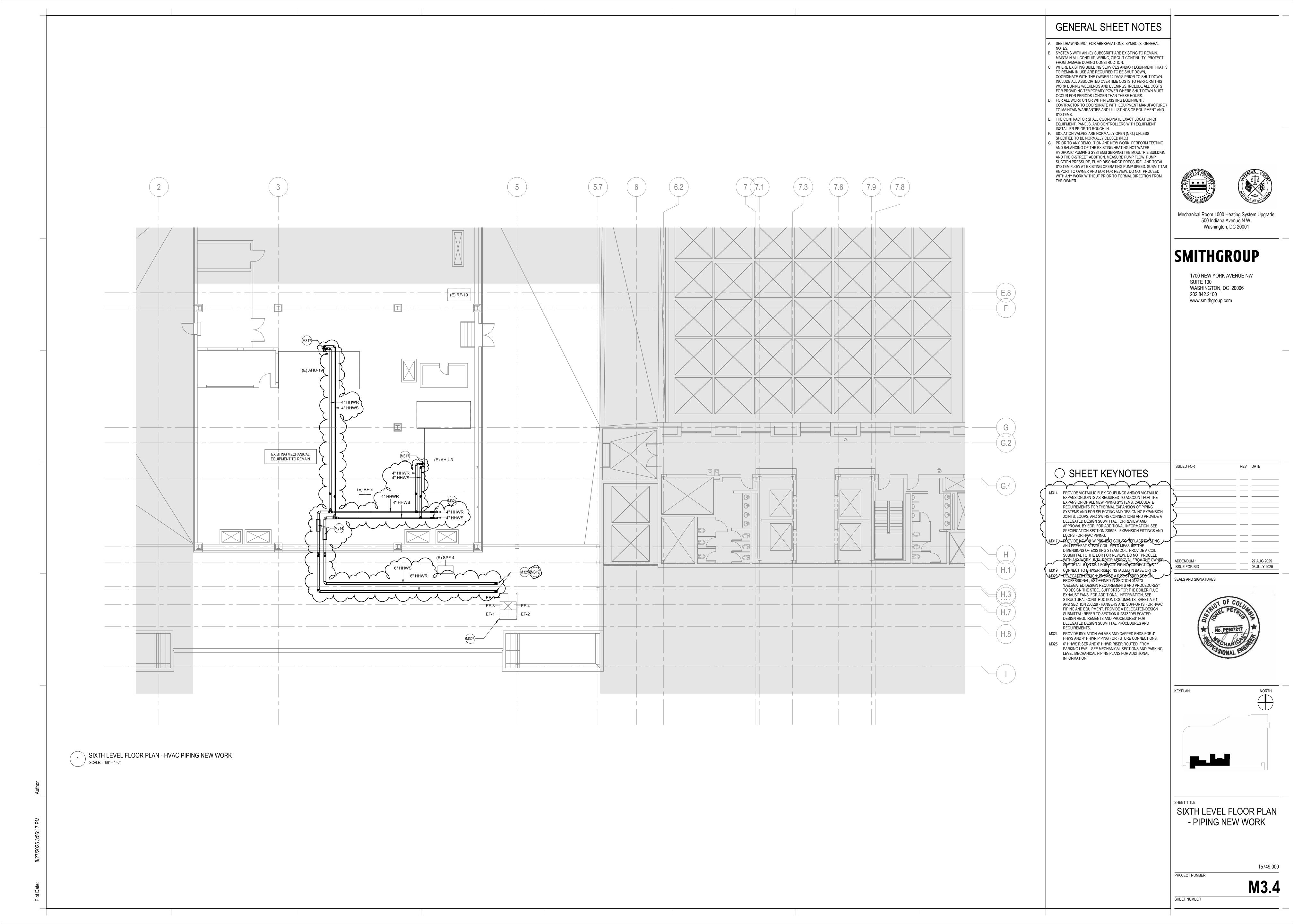


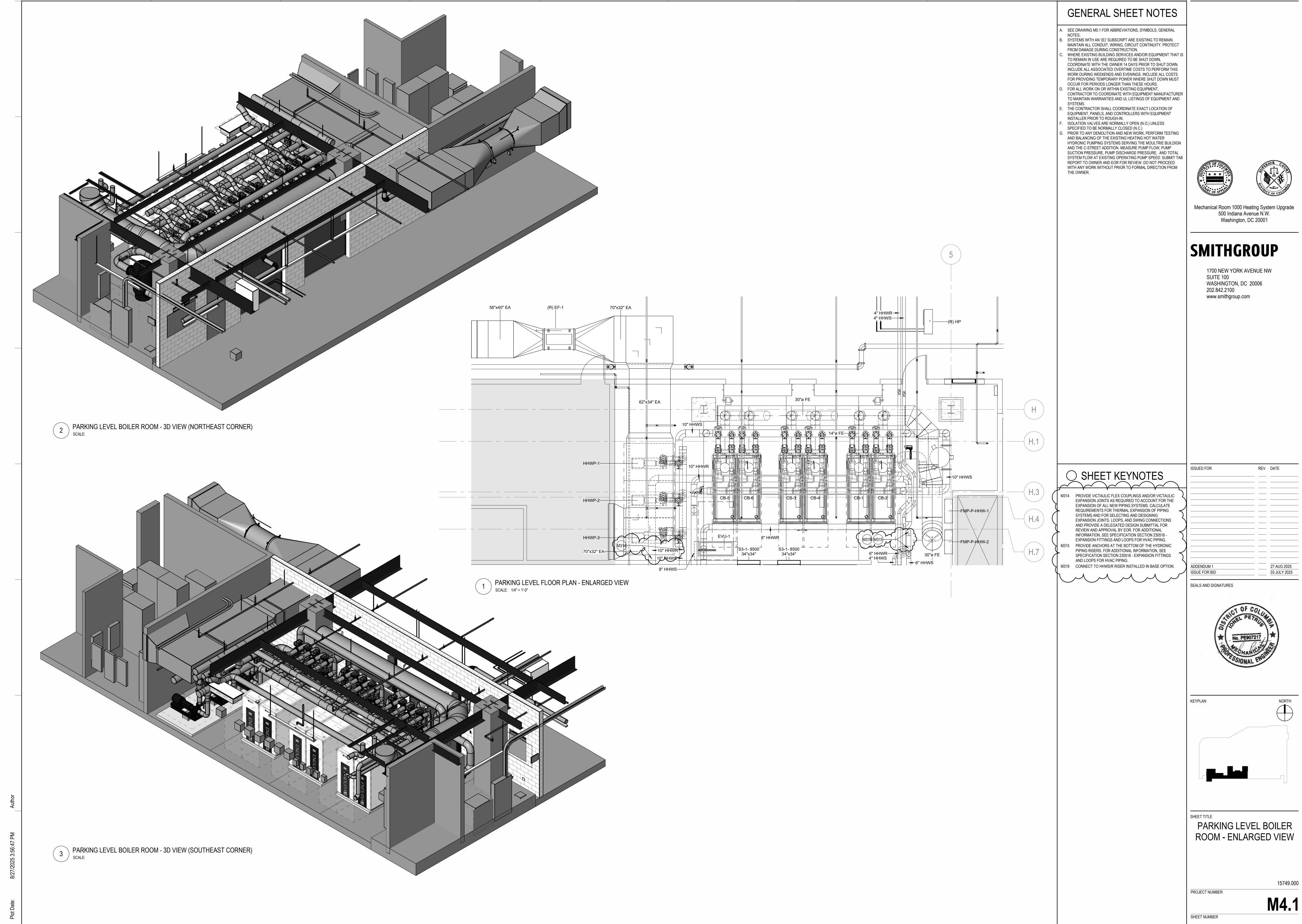
PARKING LEVEL FLOOR
PLAN NORTH - HVAC
PIPING NEW WORK

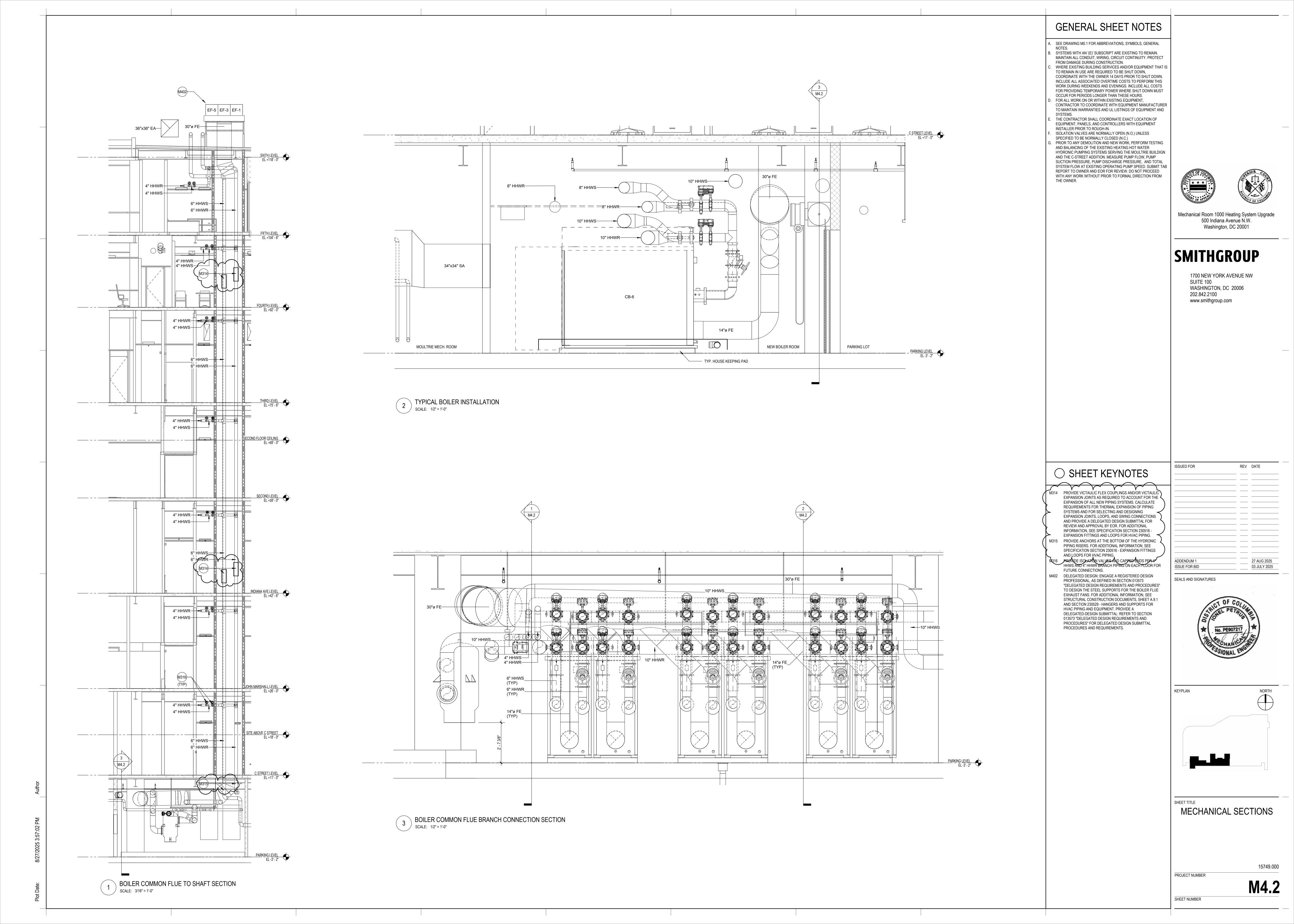
PROJECT NUMBER

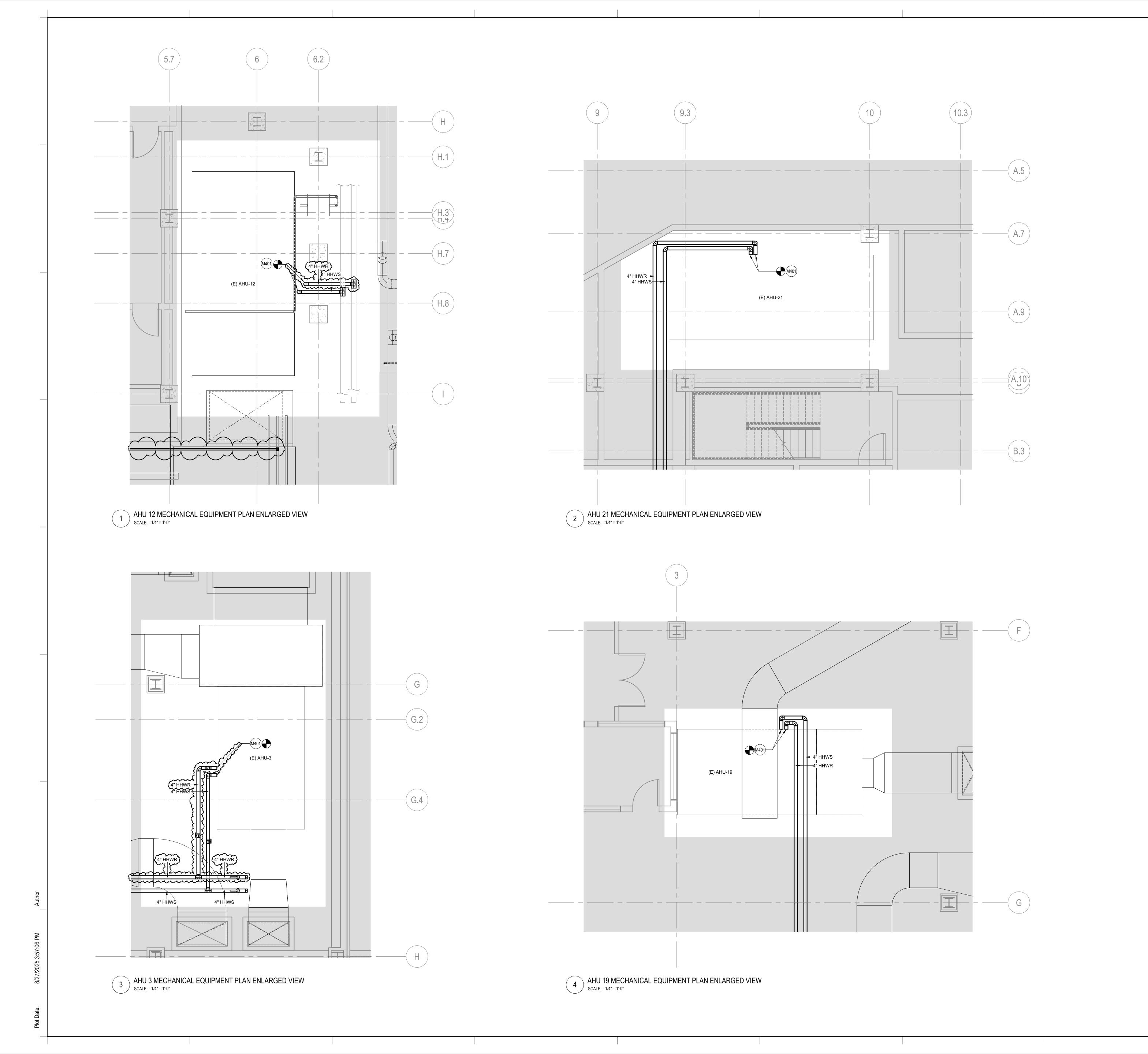
15749.000

M3.3
SHEET NUMBER













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## **SMITHGROUP**

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SHEET KEYNOTES

M401 CONNECT NEW HHWS/R TO EXISTING HHWS/R PIPING AT POINT OF CONNECTION. PROVIDE NEW AHU PREHEAT COIL. REFER TO M6.2 FOR AHU COIL CONNECTION DETAIL.

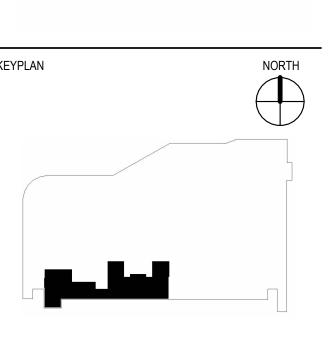
ADDENDUM 1 27 AUG 2025
ISSUE FOR BID 03 JULY 2025
SFALS AND SIGNATURES

REV DATE

SEALS AND SIGNATURES

ISSUED FOR

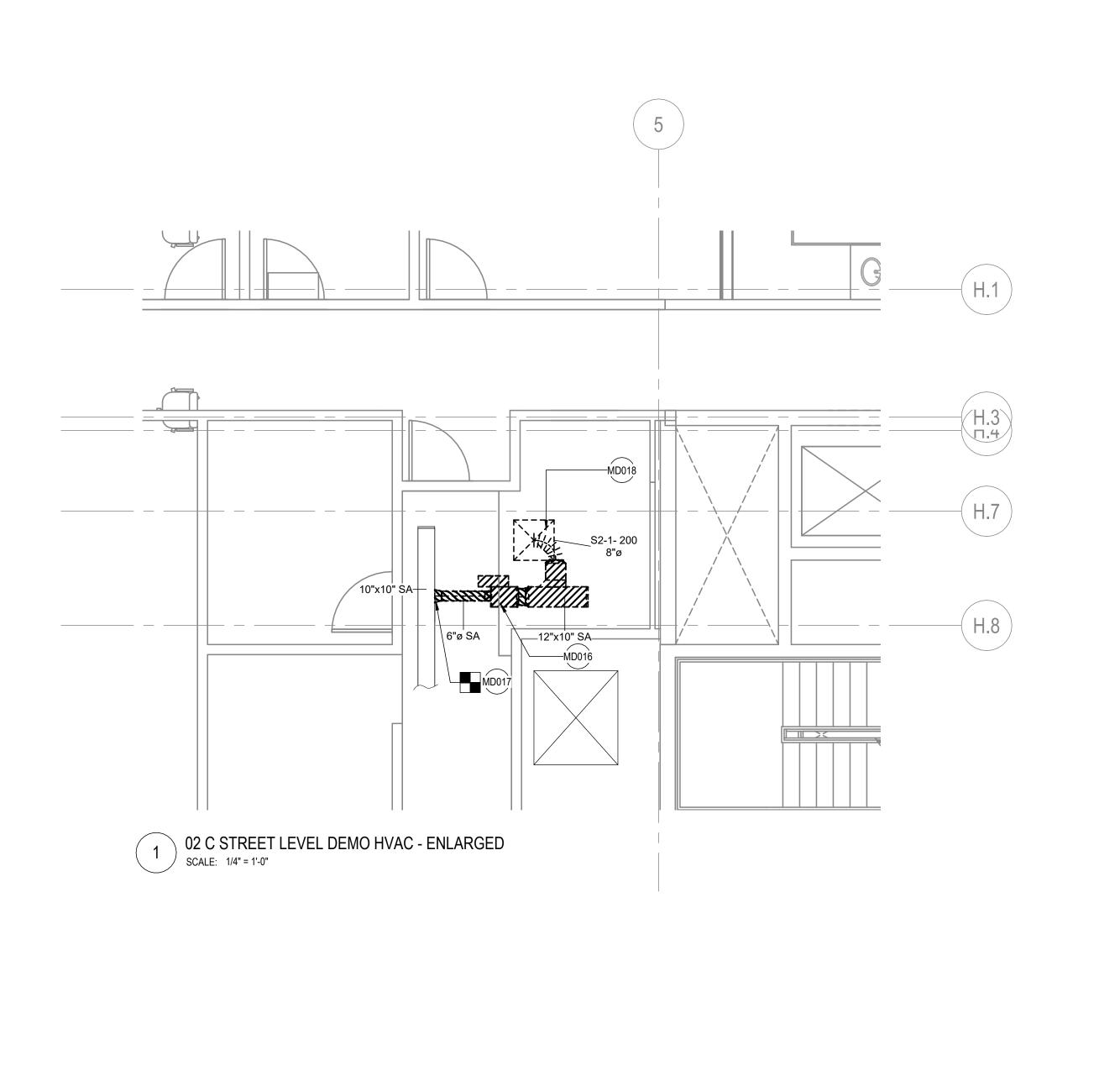


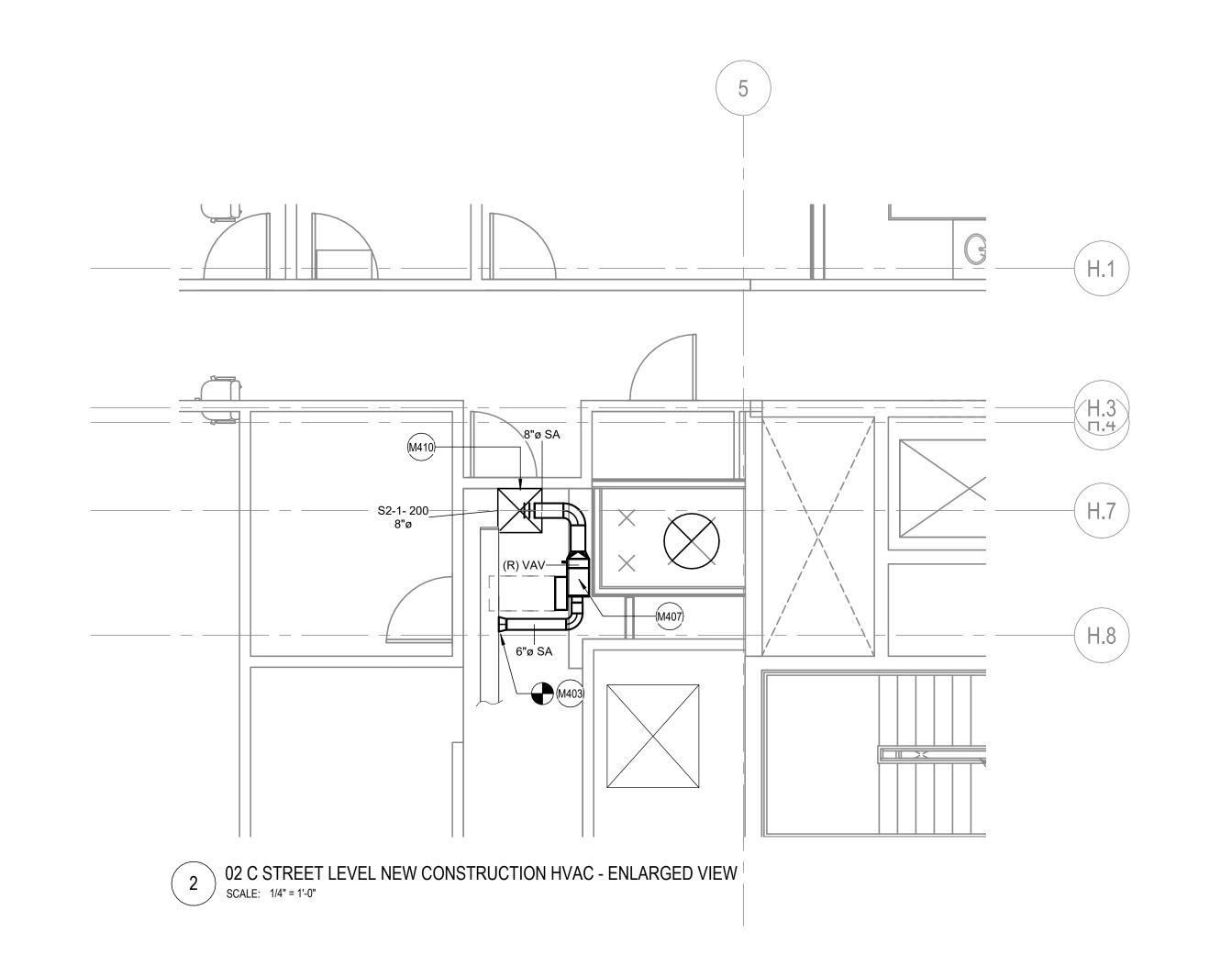


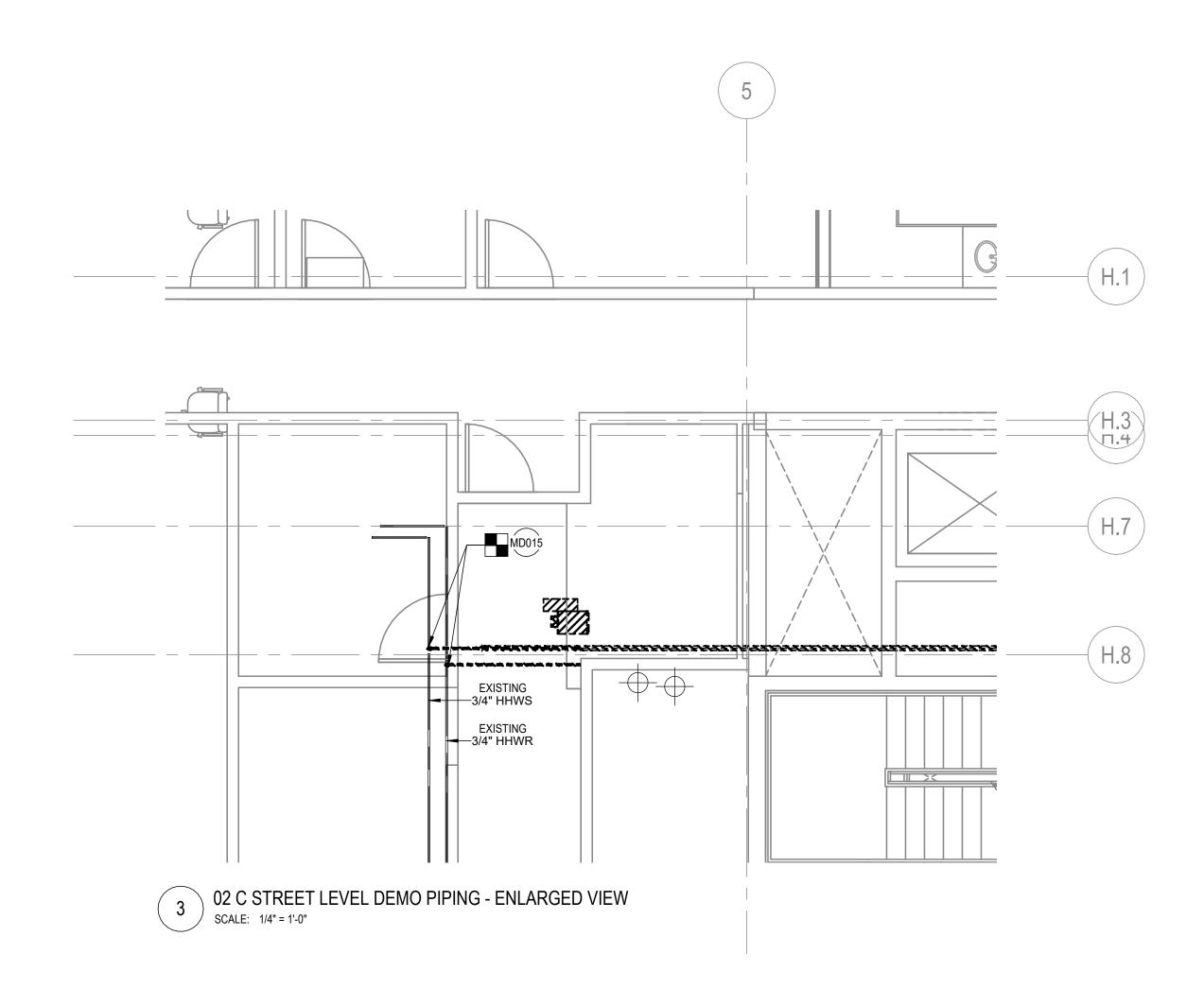
AHU NEW WORK - HVAC -ENLARGED VIEW

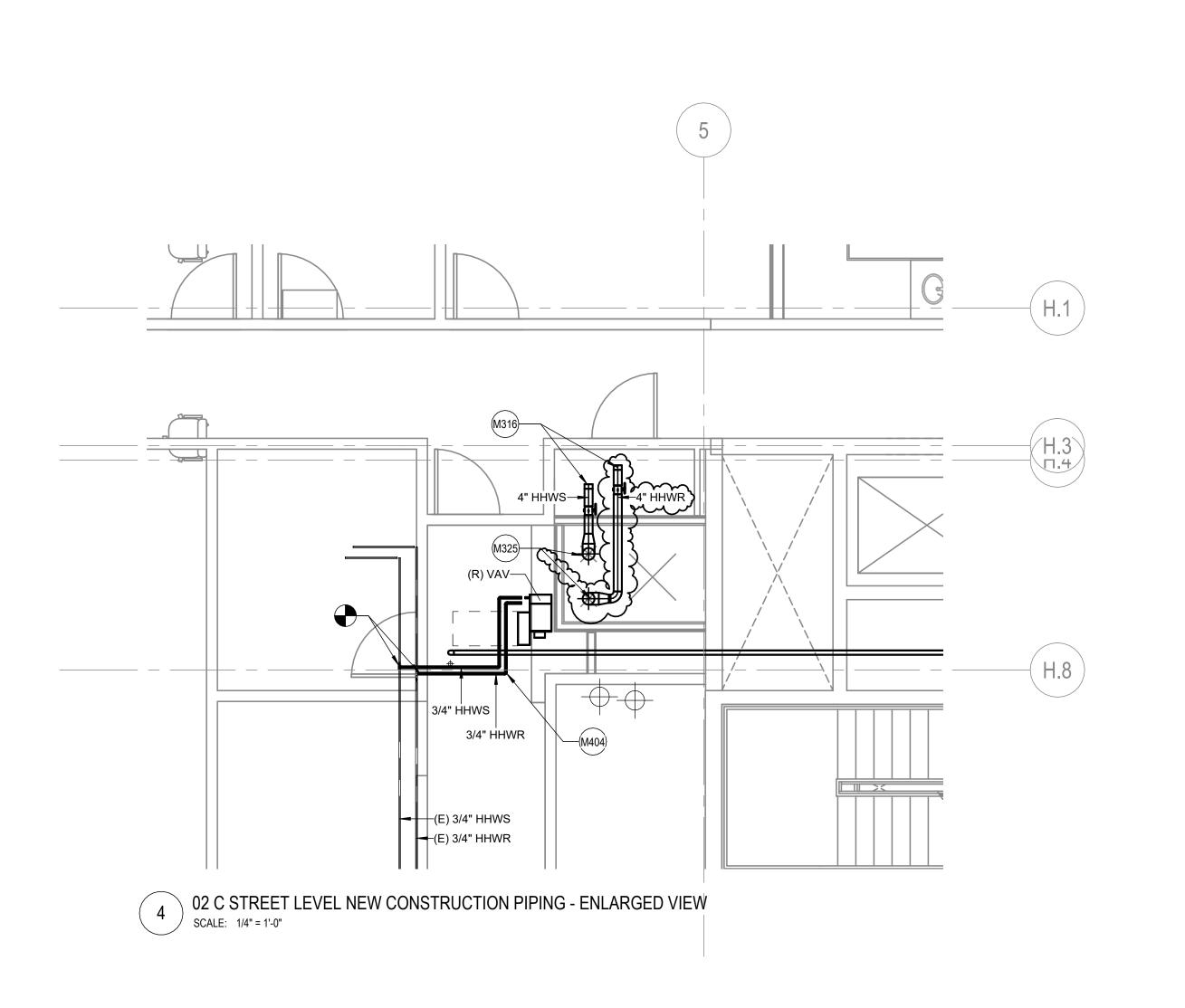
15749.000 PROJECT NUMBER

M4.3
SHEET NUMBER









- A. SEE DRAWING M0.1 FOR ABBREVIATIONS, SYMBOLS, GENERAL
- B. SYSTEMS WITH AN '(E)' SUBSCRIPT ARE EXISTING TO REMAIN.
  MAINTAIN ALL CONDUIT, WIRING, CIRCUIT CONTINUITY. PROTECT
- FROM DAMAGE DURING CONSTRUCTION. WHERE EXISTING BUILDING SERVICES AND/OR EQUIPMENT THAT IS TO REMAIN IN USE ARE REQUIRED TO BE SHUT DOWN, COORDINATE WITH THE OWNER 14 DAYS PRIOR TO SHUT DOWN. INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS WORK DURING WEEKENDS AND EVENINGS. INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWN MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS. . FOR ALL WORK ON OR WITHIN EXISTING EQUIPMENT,
- CONTRACTOR TO COORDINATE WITH EQUIPMENT MANUFACTURER TO MAINTAIN WARRANTIES AND UL LISTINGS OF EQUIPMENT AND
- E. THE CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT, PANELS, AND CONTROLLERS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- . ISOLATION VALVES ARE NORMALLY OPEN (N.O.) UNLESS SPECIFIED TO BE NORMALLY CLOSED (N.C.) B. PRIOR TO ANY DEMOLITION AND NEW WORK, PERFORM TESTING AND BALANCING OF THE EXISTING HEATING HOT WATER HYDRONIC PUMPING SYSTEMS SERVING THE MOULTRIE BUILDIGN AND THE C-STREET ADDITION. MEASURE PUMP FLOW, PUMP SUCTION PRESSURE, PUMP DISCHARGE PRESSURE, AND TOTAL SYSTEM FLOW AT EXISTING OPERATING PUMP SPEED. SUBMIT TAB REPORT TO OWNER AND EOR FOR REVIEW. DO NOT PROCEED WITH ANY WORK WITHOUT PRIOR TO FORMAL DIRECTION FROM THE OWNER.





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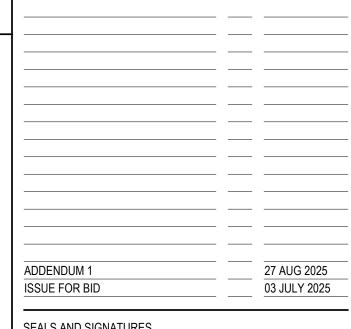
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#### SHEET KEYNOTES

- M316 PROVIDE ISOLATION VALVES AND CAPPED ENDS PER 4" HHWS AND 4" HHWR BRANCH PIPING ON EACH FLOOR FOR FUTURE CONNECTIONS. M325 6" HHWS RISER AND 6" HHWR RISER ROUTED FROM
- PARKING LEVEL. SEE MECHANICAL SECTIONS AND PARKING LEVEL MECHANICAL PIPING PLANS FOR ADDITIONAL INFORMATION. M403 PROVIDE NEW 6" AND 8" ROUND SUPPLY DUCT AS INDICATED. CONNECT TO EXISTING SUPPLY DUCT MAIN.

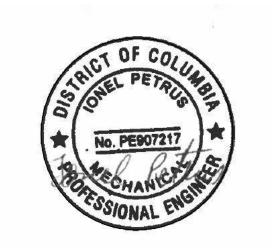
M404 PROVIDE NEW 3/4" HHWS AND 3/4" HHWR PIPING AS

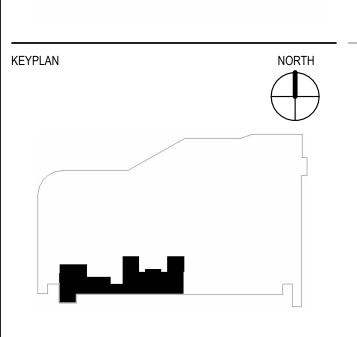
- INDICATED AND CONNECT TO EXISTING 3/4" HHWS AND 3/4" HHWR PIPING. M407 REUSE EXISTING VAV BOX AS INDICATED.
- M410 REUSE EXISTING DIFFUSER AS INDICATED. MD015 DISCONNECT AND REMOVE EXISTING 3/4"HHWS AND
- 3/4"HHWR PIPING AS INDICATED. MD016 DISCONNECT EXISTING VAV BOX AS INDICATED. SAVE BOX FOR FUTURE REUSE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
- MD017 DISCONNECT AND REMOVE EXISTING SUPPLY DUCT AS MD018 REMOVE EXISTING DIFFUSER AS INDICATED. SAVE DIFFUSER FOR FUTURE REUSE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.



REV DATE

SEALS AND SIGNATURES

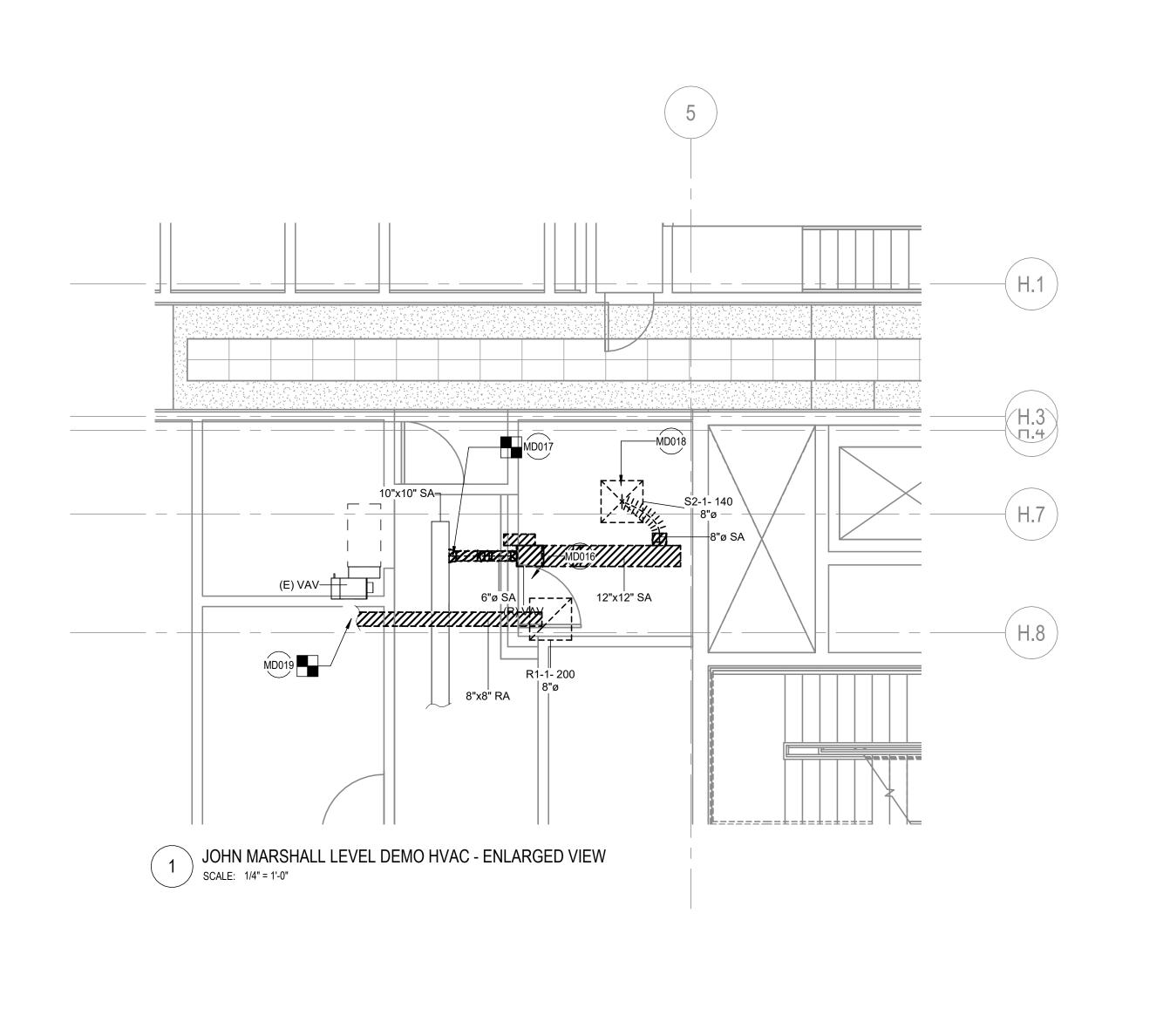


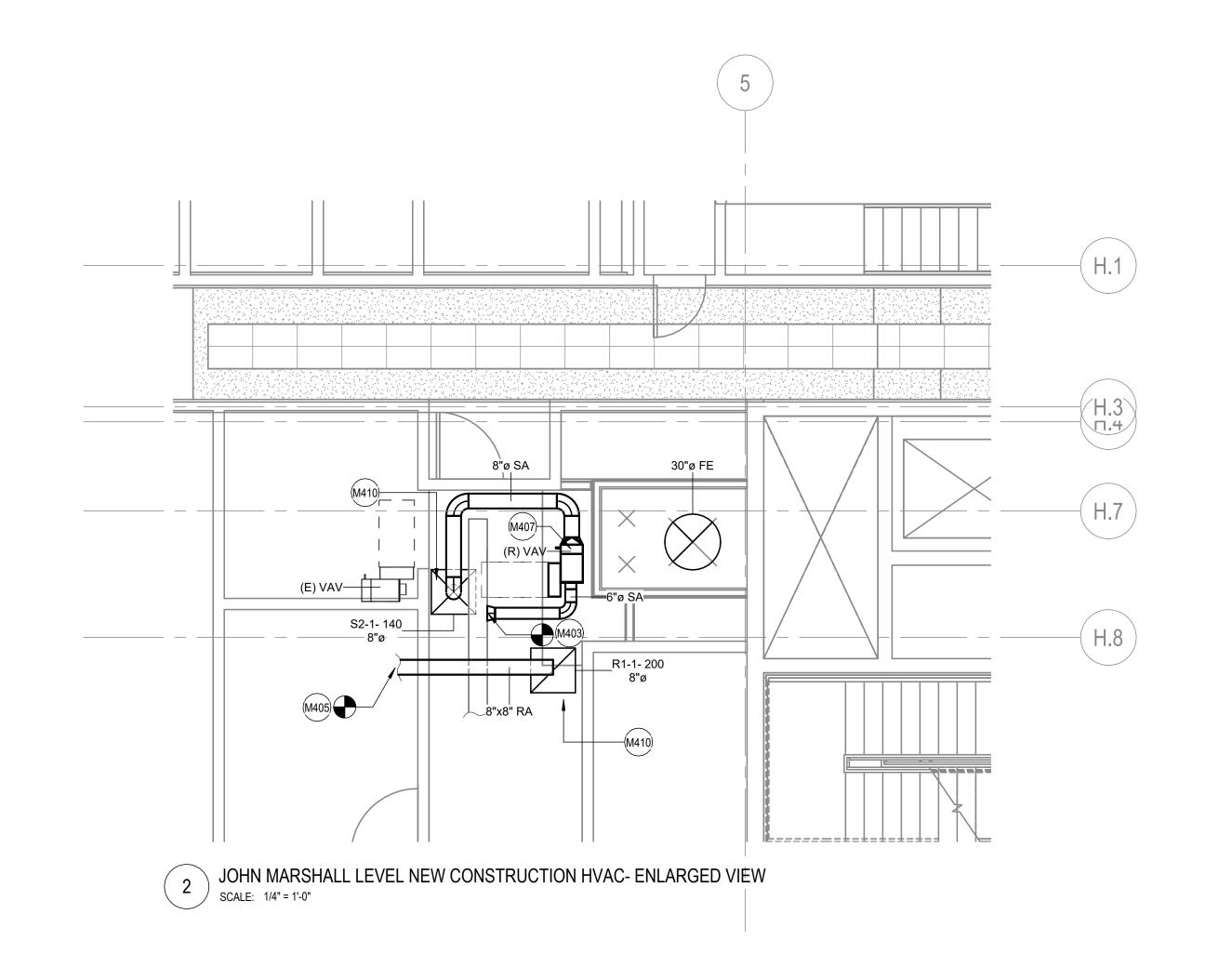


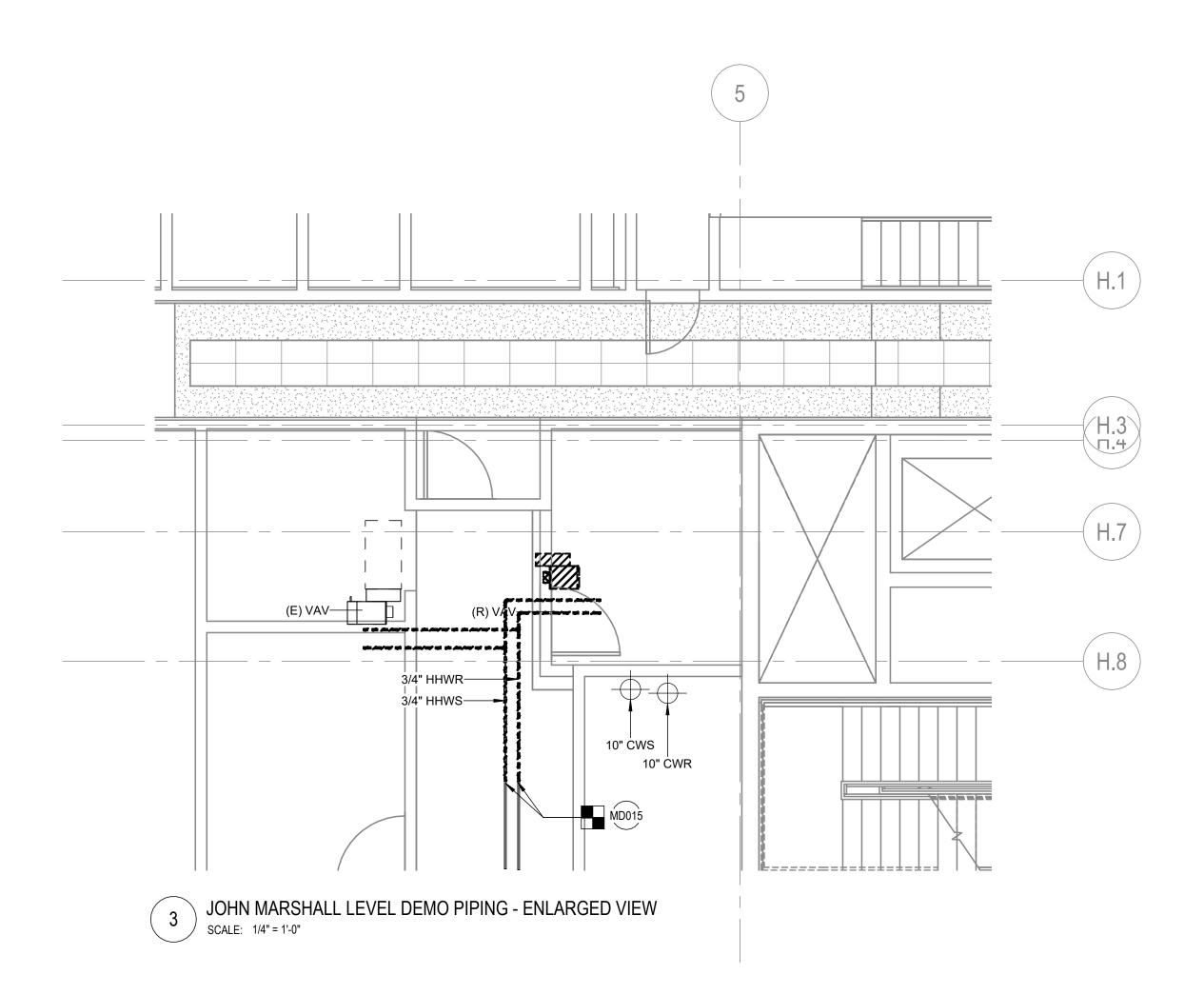
C STREET LEVEL PLAN -**ENLARGED VIEW** 

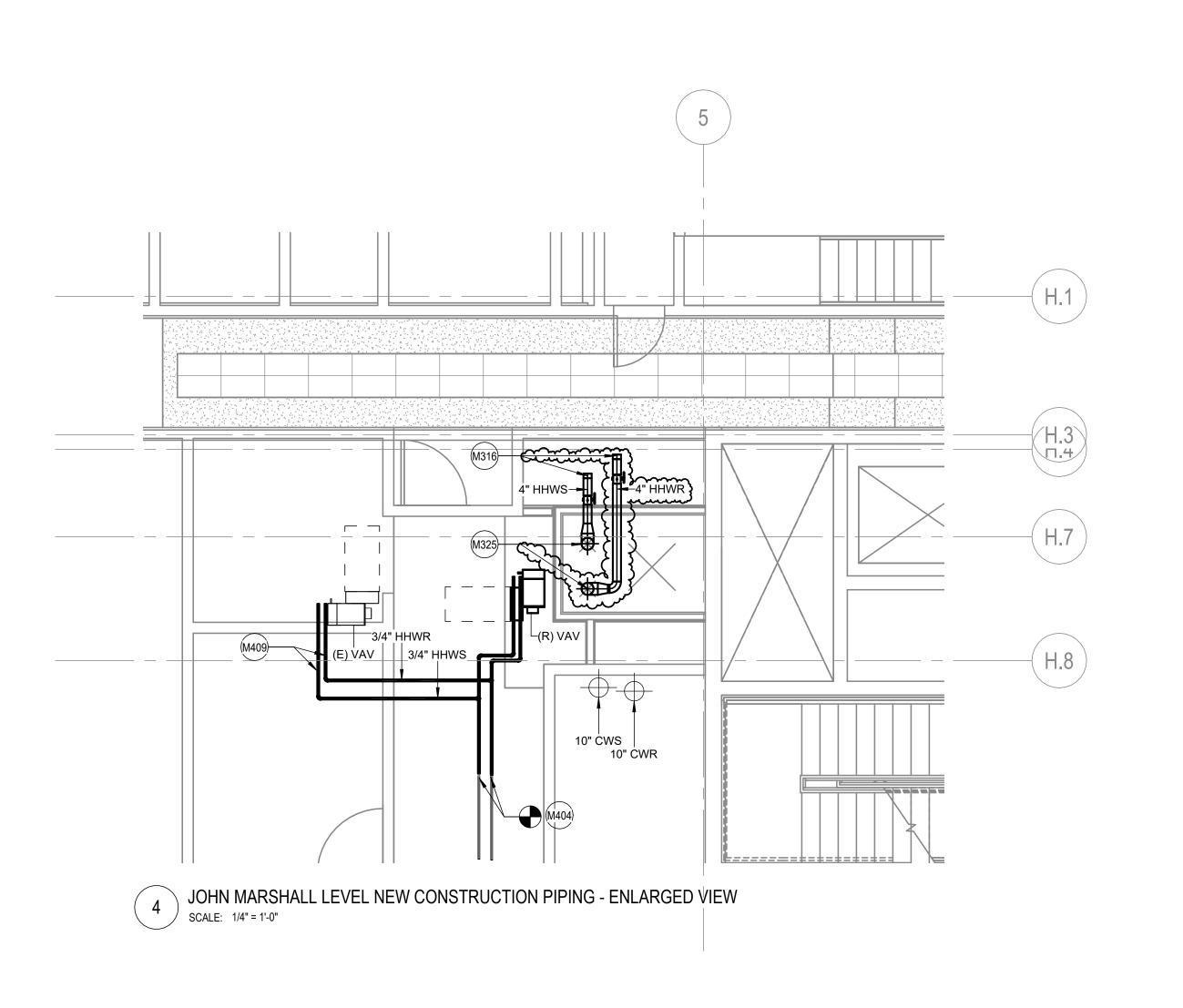
15749.000 PROJECT NUMBER

M4.4 SHEET NUMBER









- A. SEE DRAWING M0.1 FOR ABBREVIATIONS, SYMBOLS, GENERAL NOTES
  - NOTES.

    B. SYSTEMS WITH AN '(E)' SUBSCRIPT ARE EXISTING TO REMAIN.
    MAINTAIN ALL CONDUIT, WIRING, CIRCUIT CONTINUITY. PROTECT
    FROM DAMAGE DURING CONSTRUCTION.
- C. WHERE EXISTING BUILDING SERVICES AND/OR EQUIPMENT THAT IS TO REMAIN IN USE ARE REQUIRED TO BE SHUT DOWN, COORDINATE WITH THE OWNER 14 DAYS PRIOR TO SHUT DOWN. INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS WORK DURING WEEKENDS AND EVENINGS. INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWN MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS.

  D. FOR ALL WORK ON OR WITHIN EXISTING EQUIPMENT,
- OCCUR FOR PERIODS LONGER THAN THESE HOURS.

  D. FOR ALL WORK ON OR WITHIN EXISTING EQUIPMENT,
  CONTRACTOR TO COORDINATE WITH EQUIPMENT MANUFACTURER
  TO MAINTAIN WARRANTIES AND UL LISTINGS OF EQUIPMENT AND
- SYSTEMS.

  E. THE CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT, PANELS, AND CONTROLLERS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- F. ISOLATION VALVES ARE NORMALLY OPEN (N.O.) UNLESS SPECIFIED TO BE NORMALLY CLOSED (N.C.)

  G. PRIOR TO ANY DEMOLITION AND NEW WORK, PERFORM TESTING AND BALANCING OF THE EXISTING HEATING HOT WATER HYDRONIC PUMPING SYSTEMS SERVING THE MOULTRIE BUILDIGN AND THE C-STREET ADDITION. MEASURE PUMP FLOW, PUMP SUCTION PRESSURE, PUMP DISCHARGE PRESSURE, AND TOTAL SYSTEM FLOW AT EXISTING OPERATING PUMP SPEED. SUBMIT TAB REPORT TO OWNER AND EOR FOR REVIEW. DO NOT PROCEED WITH ANY WORK WITHOUT PRIOR TO FORMAL DIRECTION FROM THE OWNER.





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$\bigcirc$	SHEET KEYNOTES			
1316	PROVIDE ISOLATION VALVES AND CAPPED ENDS PER 4" HHWS AND 4" HHWR BRANCH PIPING ON EACH FLOOR FOR FUTURE CONNECTIONS.			
1325	6" HHWS RISER AND 6" HHWR RISER ROUTED FROM PARKING LEVEL. SEE MECHANICAL SECTIONS AND PARKING LEVEL MECHANICAL PIPING PLANS FOR ADDITIONAL INFORMATION.			

ISSUED FOR

PROVIDE NEW 6" AND 8" ROUND SUPPLY DUCT AS INDICATED. CONNECT TO EXISTING SUPPLY DUCT MAIN.

PROVIDE NEW 3/4" HHWS AND 3/4" HHWR PIPING AS INDICATED AND CONNECT TO EXISTING 3/4" HHWS AND 3/4" HHWR PIPING.

PROVIDE NEW RETURN DUCT AS INDICATED.

REUSE EXISTING VAV BOX AS INDICATED.

M409

CONNECT NEW 3/4" HHWS AND 3/4" HHWR PIPING EXISTING VAV.

M410

REUSE EXISTING DIFFUSER AS INDICATED.

MD015

DISCONNECT AND REMOVE EXISTING 3/4"HHWS AI 3/4"HHWR PIPING AS INDICATED.

MD016

DISCONNECT EXISTING VAV BOX AS INDICATED. SAVE BOX FOR FUTURE REUSE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.

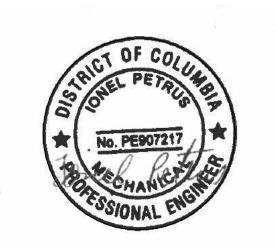
DO17 DISCONNECT AND REMOVE EXISTING SUPPLY DUCT AS INDICATED.

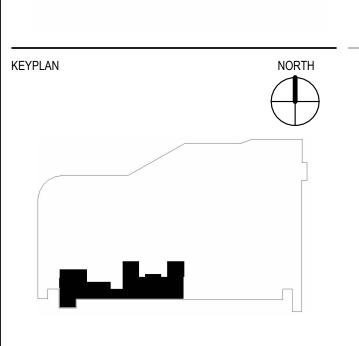
DO18 REMOVE EXISTING DIFFUSER AS INDICATED. SAVE DIFFUSER FOR FUTURE REUSE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.

DO19 DISCONNECT AND REMOVE EXISTING RETURN DUCT AS INDICATED.

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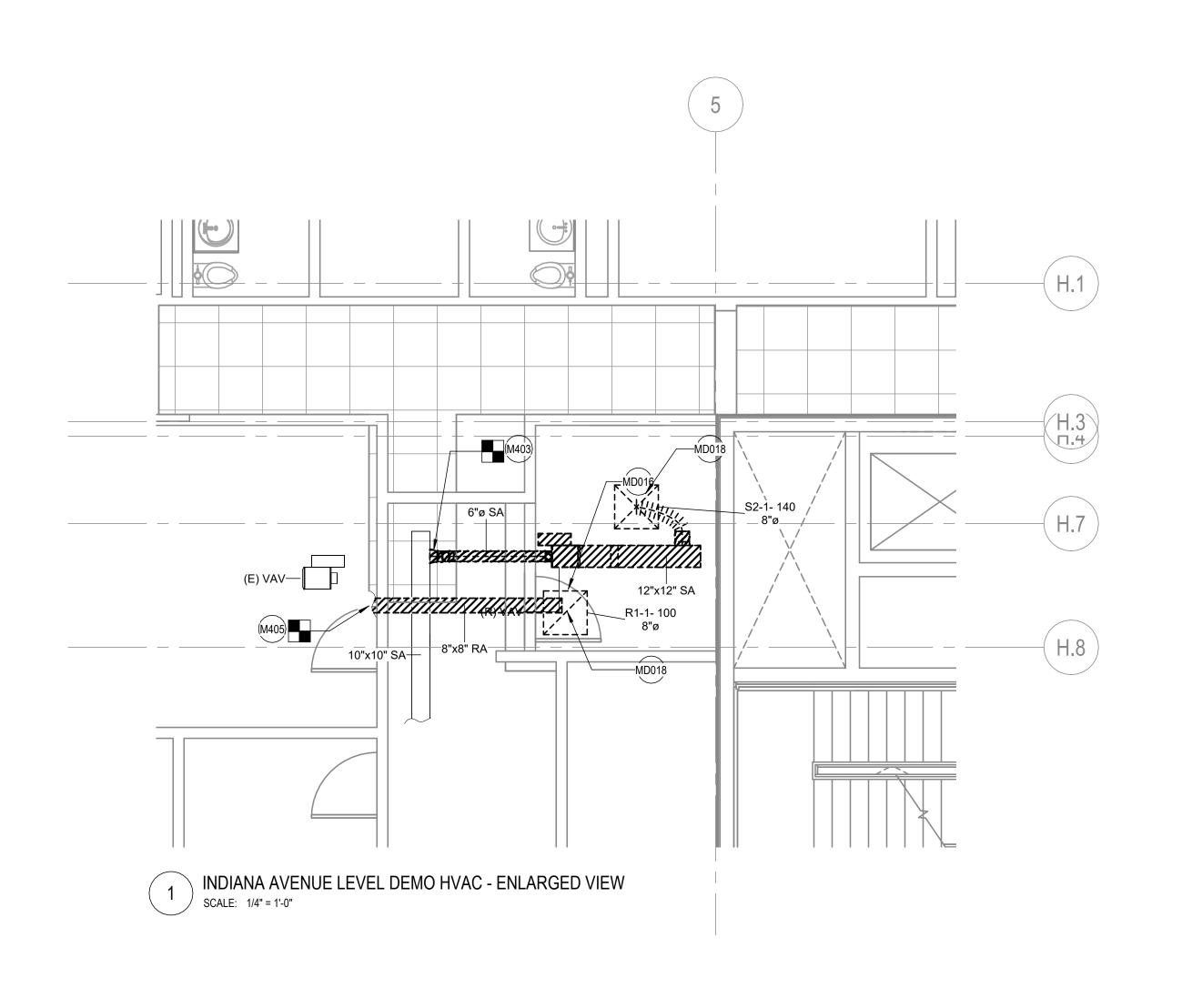


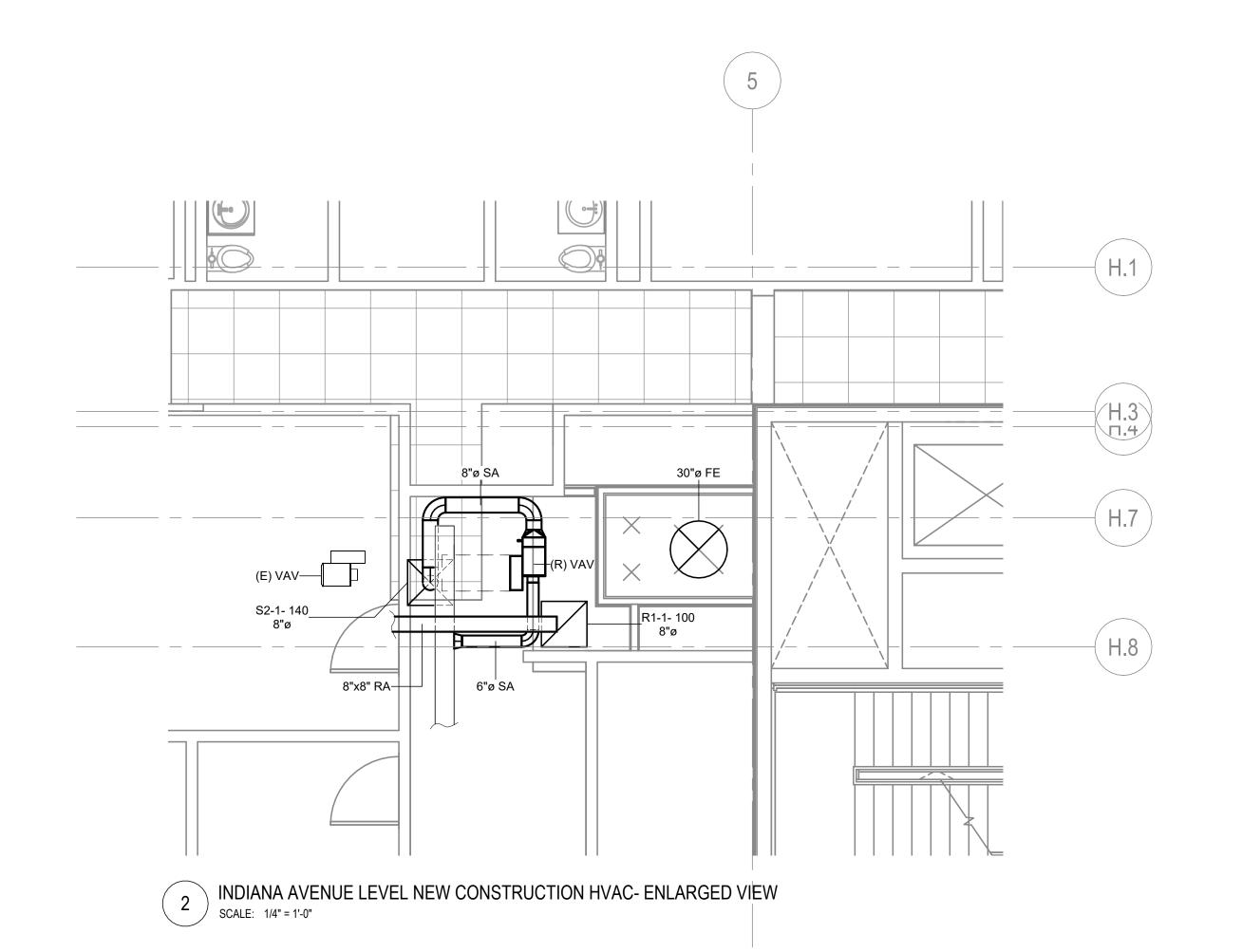
JOHN MARSHALL LEVEL PLAN - ENLARGED VIEW

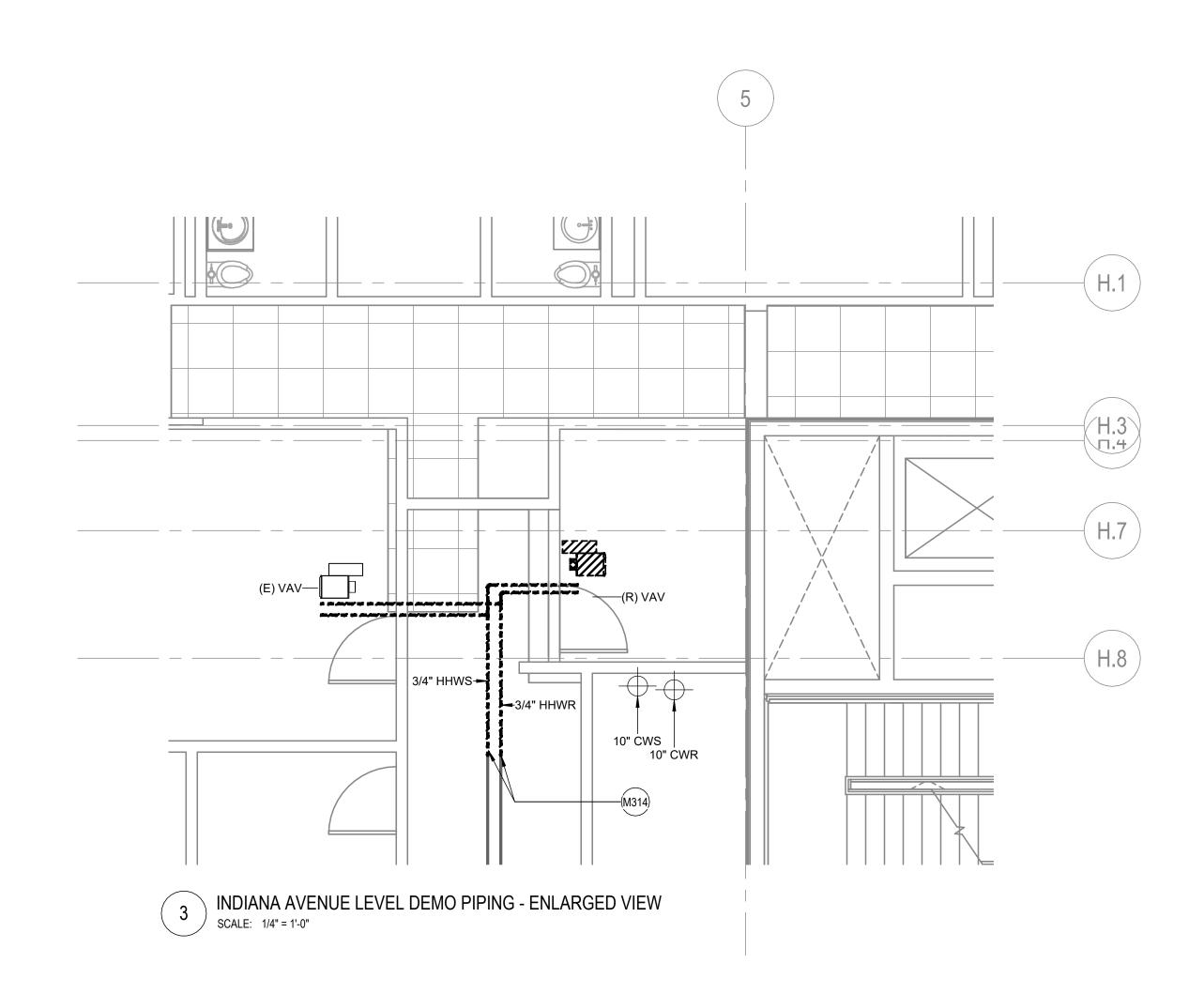
15749.000

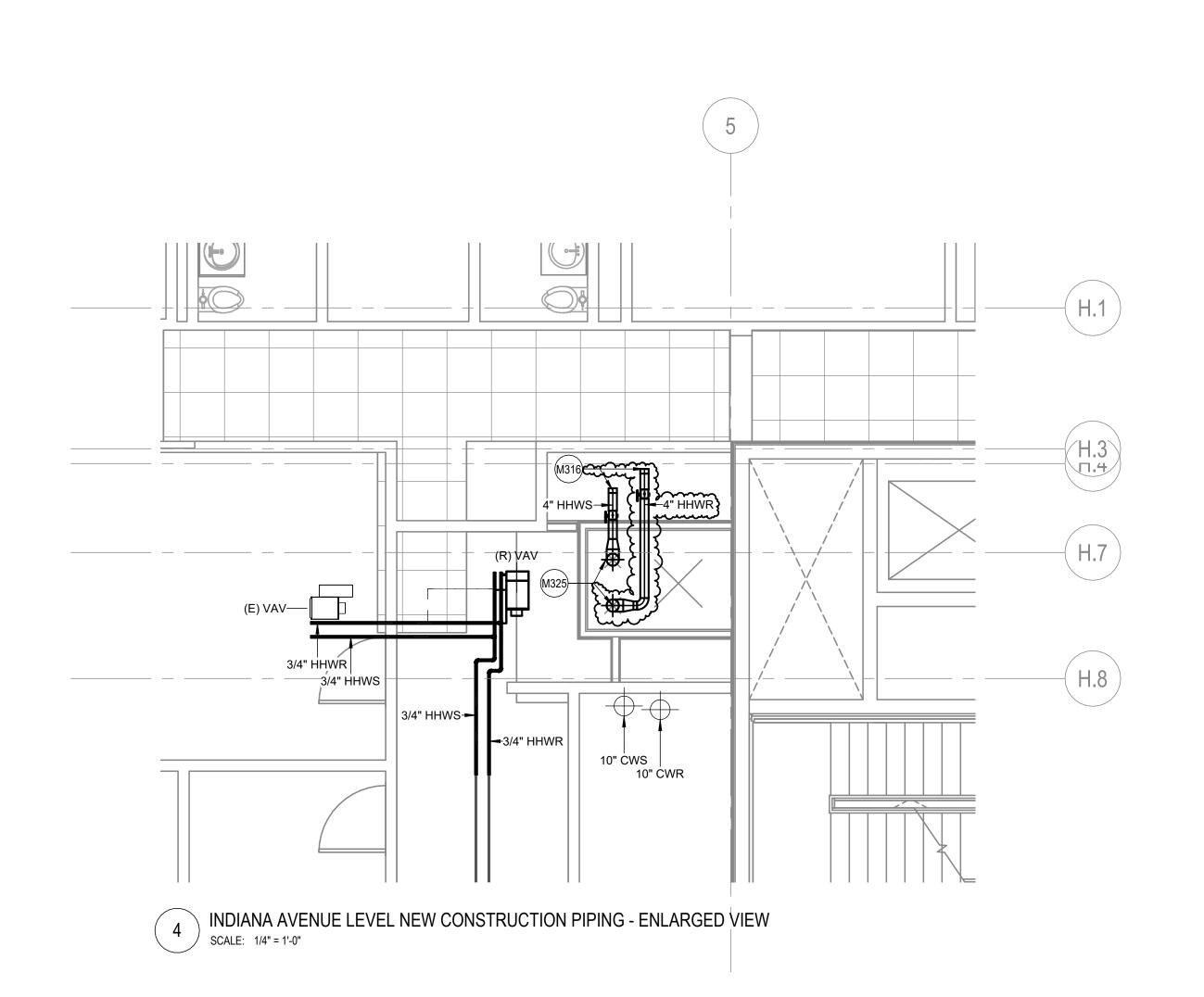
M4.5
SHEET NUMBER

PROJECT NUMBER









- A. SEE DRAWING M0.1 FOR ABBREVIATIONS, SYMBOLS, GENERAL
- B. SYSTEMS WITH AN '(E)' SUBSCRIPT ARE EXISTING TO REMAIN.
  MAINTAIN ALL CONDUIT, WIRING, CIRCUIT CONTINUITY. PROTECT FROM DAMAGE DURING CONSTRUCTION. WHERE EXISTING BUILDING SERVICES AND/OR EQUIPMENT THAT IS TO REMAIN IN USE ARE REQUIRED TO BE SHUT DOWN, COORDINATE WITH THE OWNER 14 DAYS PRIOR TO SHUT DOWN.
- INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS WORK DURING WEEKENDS AND EVENINGS, INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWN MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS. FOR ALL WORK ON OR WITHIN EXISTING EQUIPMENT, CONTRACTOR TO COORDINATE WITH EQUIPMENT MANUFACTURER
- TO MAINTAIN WARRANTIES AND UL LISTINGS OF EQUIPMENT AND . THE CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT, PANELS, AND CONTROLLERS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- ISOLATION VALVES ARE NORMALLY OPEN (N.O.) UNLESS SPECIFIED TO BE NORMALLY CLOSED (N.C.) B. PRIOR TO ANY DEMOLITION AND NEW WORK, PERFORM TESTING AND BALANCING OF THE EXISTING HEATING HOT WATER HYDRONIC PUMPING SYSTEMS SERVING THE MOULTRIE BUILDIGN AND THE C-STREET ADDITION. MEASURE PUMP FLOW, PUMP SUCTION PRESSURE, PUMP DISCHARGE PRESSURE, AND TOTAL SYSTEM FLOW AT EXISTING OPERATING PUMP SPEED. SUBMIT TAB REPORT TO OWNER AND EOR FOR REVIEW. DO NOT PROCEED WITH ANY WORK WITHOUT PRIOR TO FORMAL DIRECTION FROM THE OWNER.





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PROVIDE VICTAULIC FLEX COUPLINGS AND/OR VICTAULIC EXPANSION JOINTS AS REQUIRED TO ACCOUNT FOR THE EXPANSION OF ALL NEW PIPING SYSTEMS. CALCULATE REQUIREMENTS FOR THERMAL EXPANSION OF PIPING SYSTEMS AND FOR SELECTING AND DESIGNING EXPANSION JOINTS, LOOPS, AND SWING CONNECTIONS AND PROVIDE A DELEGATED DESIGN SUBMITTAL FOR REVIEW AND APPROVAL BY EOR. FOR ADDITIONAL INFORMATION, SEE SPECIFICATION SECTION 230516 - EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING. PROVIDE ISOLATION VALVES AND CAPPED ENDS PER 4" HHWS AND 4" HHWR BRANCH PIPING ON EACH FLOOR FOR FUTURE CONNECTIONS. 6" HHWS RISER AND 6" HHWR RISER ROUTED FROM

PARKING LEVEL. SEE MECHANICAL SECTIONS AND

PARKING LEVEL MECHANICAL PIPING PLANS FOR ADDITIONAL INFORMATION. PROVIDE NEW 6" AND 8" ROUND SUPPLY DUCT AS SEALS AND SIGNATURES INDICATED. CONNECT TO EXISTING SUPPLY DUCT

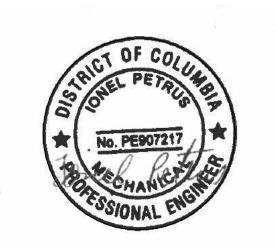
MD016

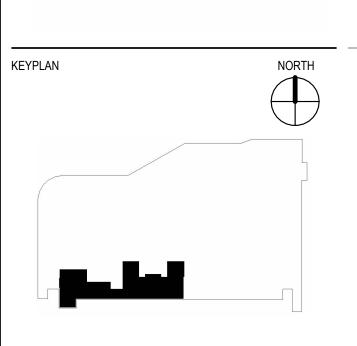
PROVIDE NEW RETURN DUCT AS INDICATED. DISCONNECT EXISTING VAV BOX AS INDICATED. SAVE BOX FOR FUTURE REUSE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION. REMOVE EXISTING DIFFUSER AS INDICATED. SAVE DIFFUSER FOR FUTURE REUSE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.

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ADDENDUM 1	 27 AUG 2025
ISSUE FOR BID	 03 JULY 2025

REV DATE

ISSUED FOR



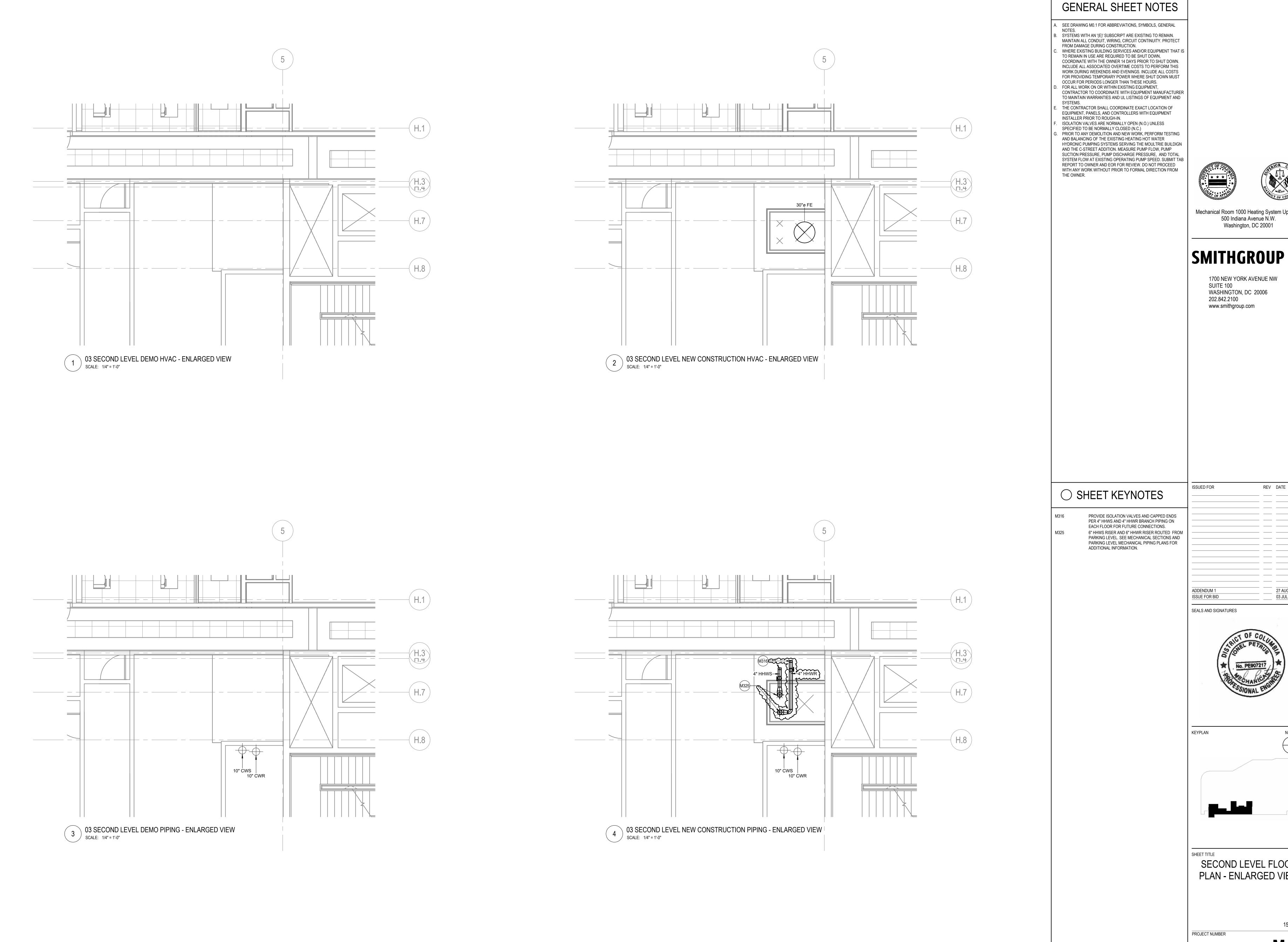


INDIANA AVENUE LEVEL PLAN - ENLARGED VIEW

15749.000

M4.6 SHEET NUMBER

PROJECT NUMBER



M4.7 SHEET NUMBER

PROJECT NUMBER

SECOND LEVEL FLOOR

PLAN - ENLARGED VIEW

15749.000

Mechanical Room 1000 Heating System Upgrade 500 Indiana Avenue N.W. Washington, DC 20001

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WASHINGTON, DC 20006

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ISSUED FOR

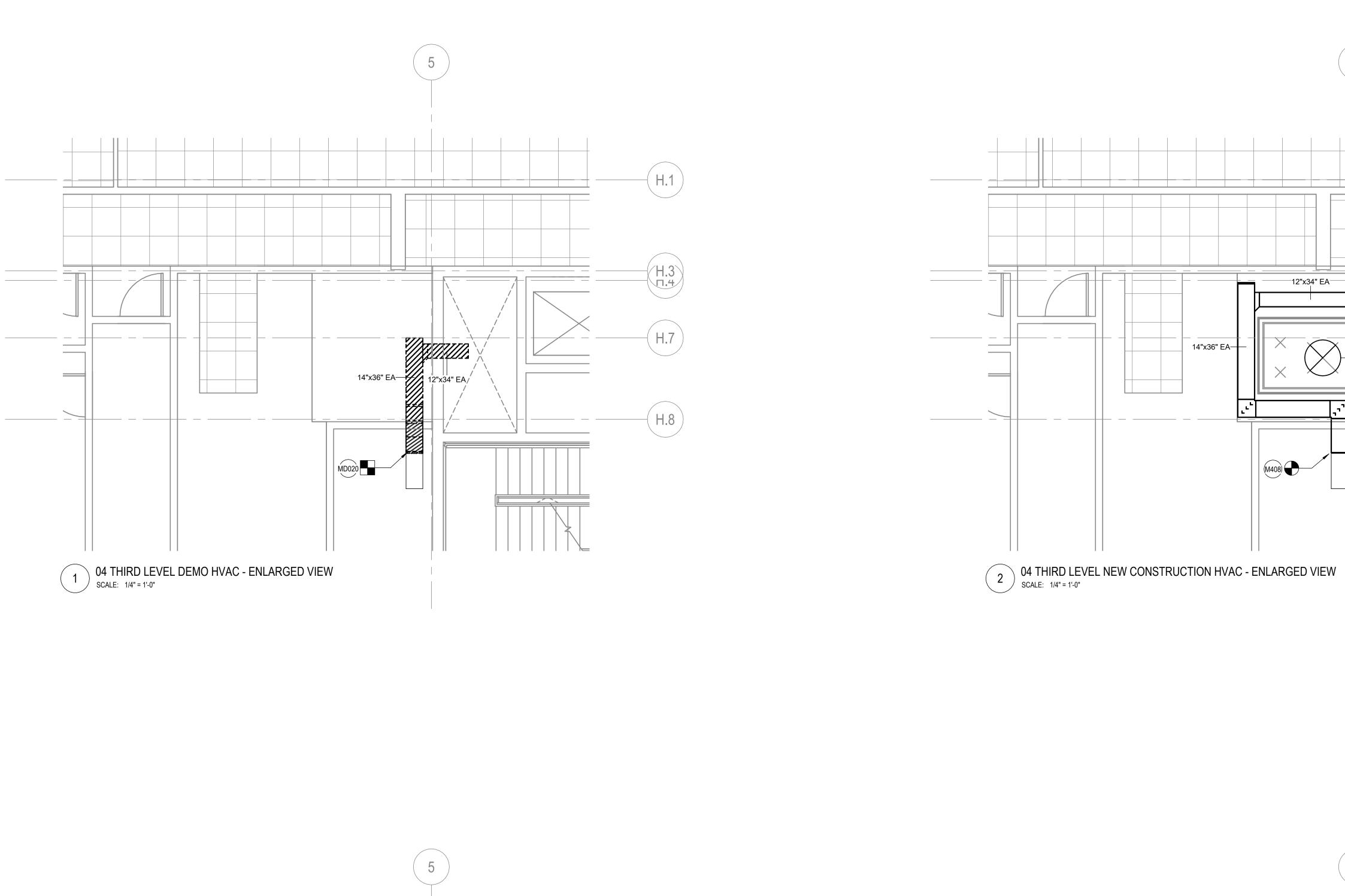
ISSUE FOR BID

KEYPLAN

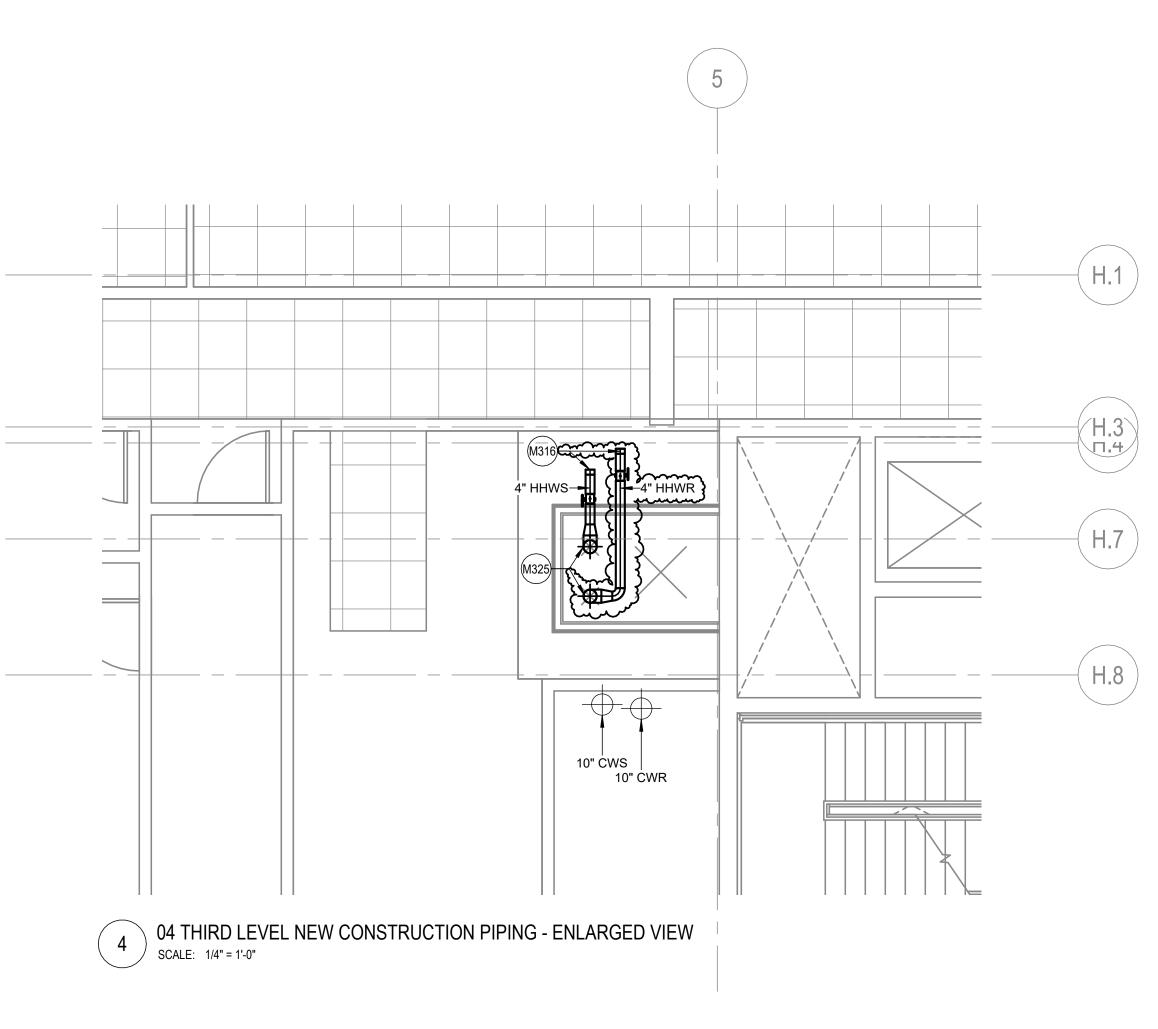
SEALS AND SIGNATURES

REV DATE

03 JULY 2025



H.3



\_\_12"x34" EA\_\_

#### **GENERAL SHEET NOTES**

- A. SEE DRAWING M0.1 FOR ABBREVIATIONS, SYMBOLS, GENERAL
- B. SYSTEMS WITH AN '(E)' SUBSCRIPT ARE EXISTING TO REMAIN.
  MAINTAIN ALL CONDUIT, WIRING, CIRCUIT CONTINUITY. PROTECT
- FROM DAMAGE DURING CONSTRUCTION. WHERE EXISTING BUILDING SERVICES AND/OR EQUIPMENT THAT IS TO REMAIN IN USE ARE REQUIRED TO BE SHUT DOWN, COORDINATE WITH THE OWNER 14 DAYS PRIOR TO SHUT DOWN. INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS WORK DURING WEEKENDS AND EVENINGS, INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWN MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS.
- FOR ALL WORK ON OR WITHIN EXISTING EQUIPMENT, CONTRACTOR TO COORDINATE WITH EQUIPMENT MANUFACTURER TO MAINTAIN WARRANTIES AND UL LISTINGS OF EQUIPMENT AND
- . THE CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT, PANELS, AND CONTROLLERS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

( H.1 )

H.3

ISOLATION VALVES ARE NORMALLY OPEN (N.O.) UNLESS SPECIFIED TO BE NORMALLY CLOSED (N.C.) B. PRIOR TO ANY DEMOLITION AND NEW WORK, PERFORM TESTING AND BALANCING OF THE EXISTING HEATING HOT WATER HYDRONIC PUMPING SYSTEMS SERVING THE MOULTRIE BUILDIGN AND THE C-STREET ADDITION. MEASURE PUMP FLOW, PUMP SUCTION PRESSURE, PUMP DISCHARGE PRESSURE, AND TOTAL SYSTEM FLOW AT EXISTING OPERATING PUMP SPEED. SUBMIT TAB REPORT TO OWNER AND EOR FOR REVIEW. DO NOT PROCEED WITH ANY WORK WITHOUT PRIOR TO FORMAL DIRECTION FROM THE OWNER.





Mechanical Room 1000 Heating System Upgrade 500 Indiana Avenue N.W. Washington, DC 20001

## **SMITHGROUP**

1700 NEW YORK AVENUE NW SUITE 100 WASHINGTON, DC 20006 202.842.2100 www.smithgroup.com



CONNECT TO EXISTING EXHAUST DUCT. DISCONNECT AND REMOVE EXISTING EXHAUST

PROVIDE ISOLATION VALVES AND CAPPED ENDS PER 4" HHWS AND 4" HHWR BRANCH PIPING ON EACH FLOOR FOR FUTURE CONNECTIONS. 6" HHWS RISER AND 6" HHWR RISER ROUTED FROM PARKING LEVEL. SEE MECHANICAL SECTIONS AND PARKING LEVEL MECHANICAL PIPING PLANS FOR ADDITIONAL INFORMATION. PROVIDE NEW EXHAUST DUCT AS INDICATED.

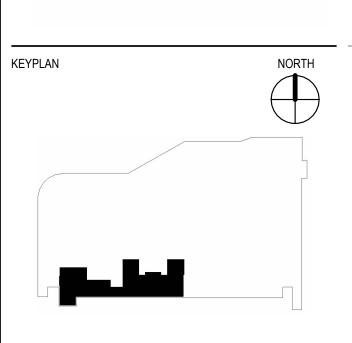
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SEALS AND SIGNATURES

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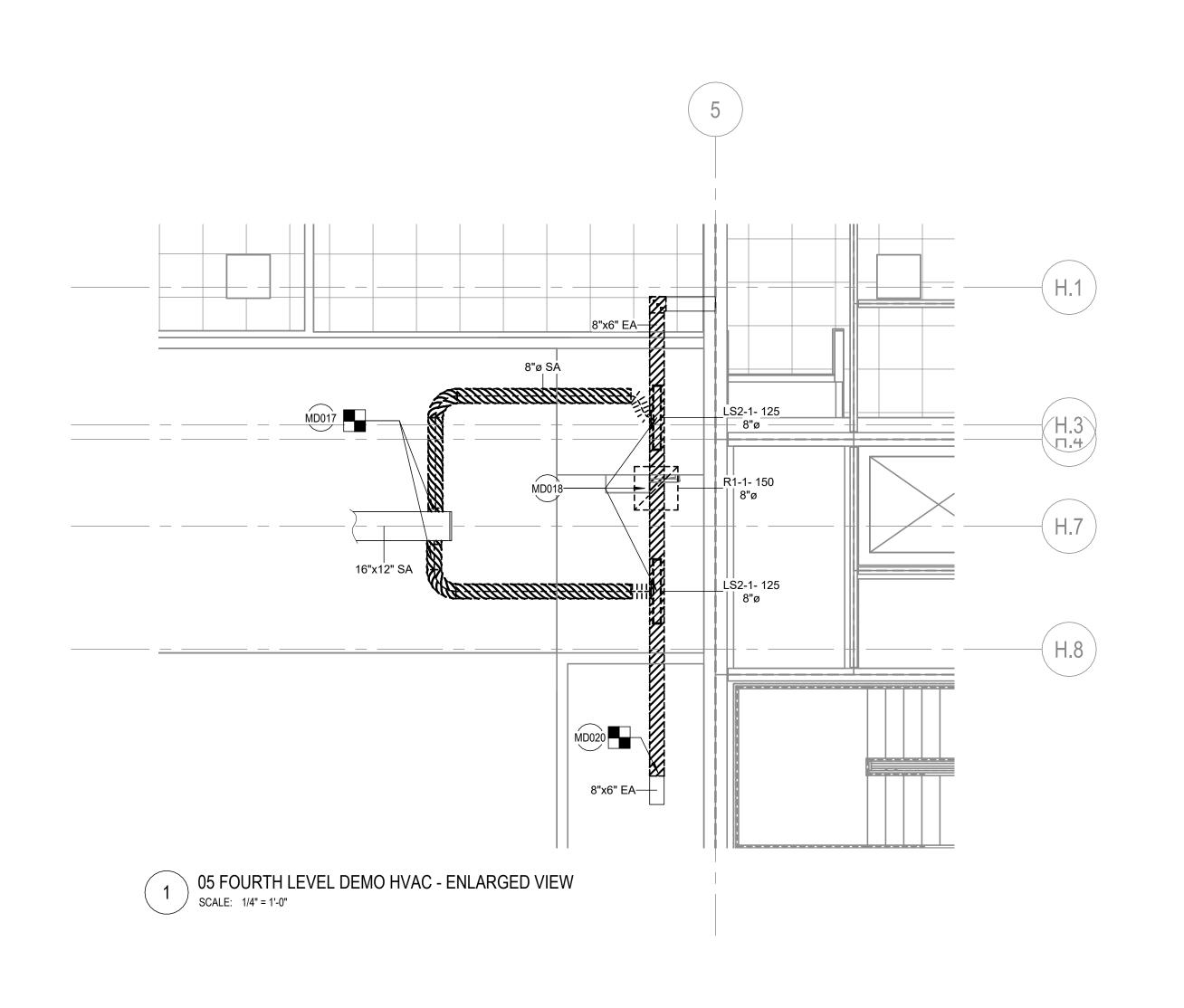
THIRD LEVEL FLOOR PLAN - ENLARGED VIEW

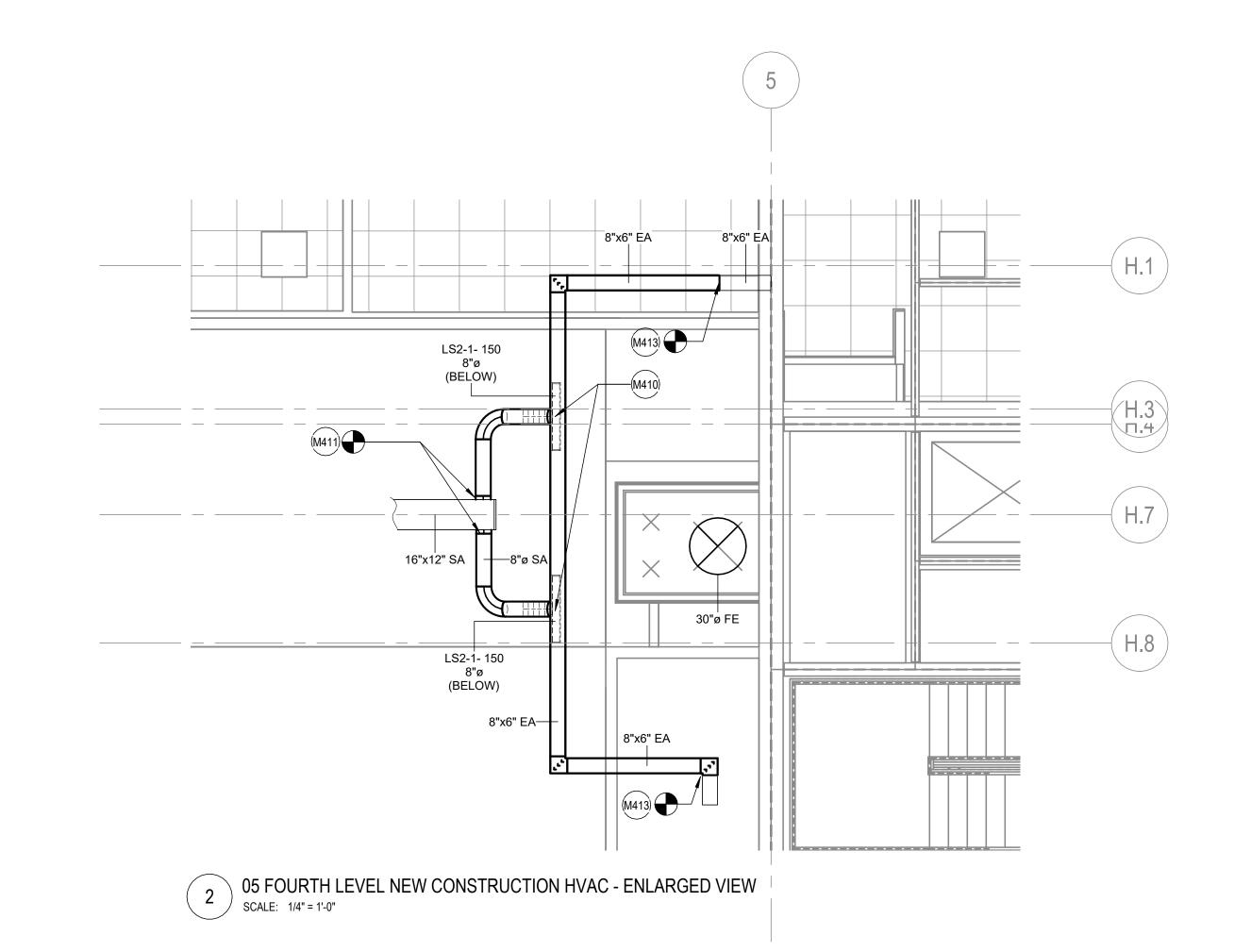
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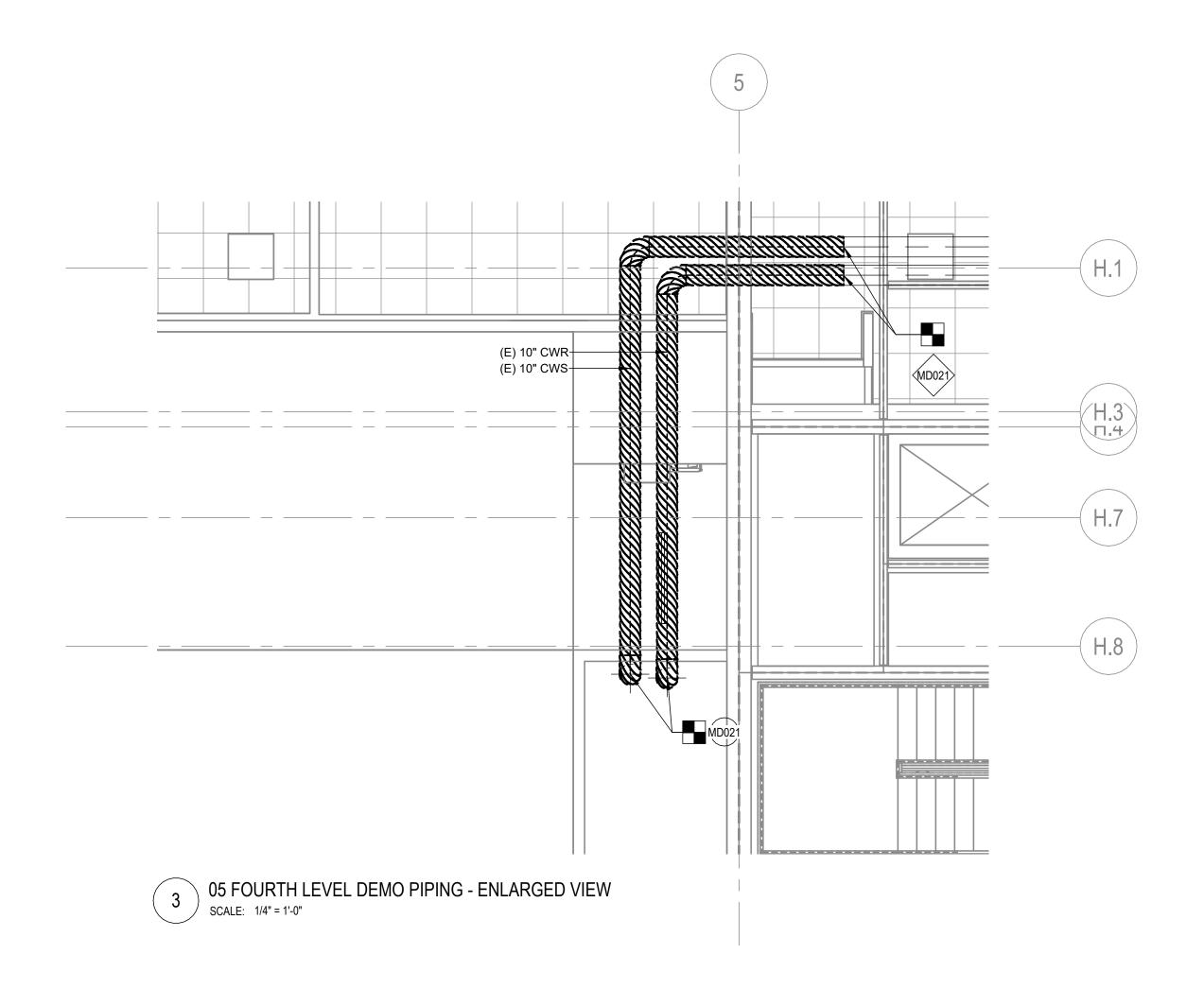
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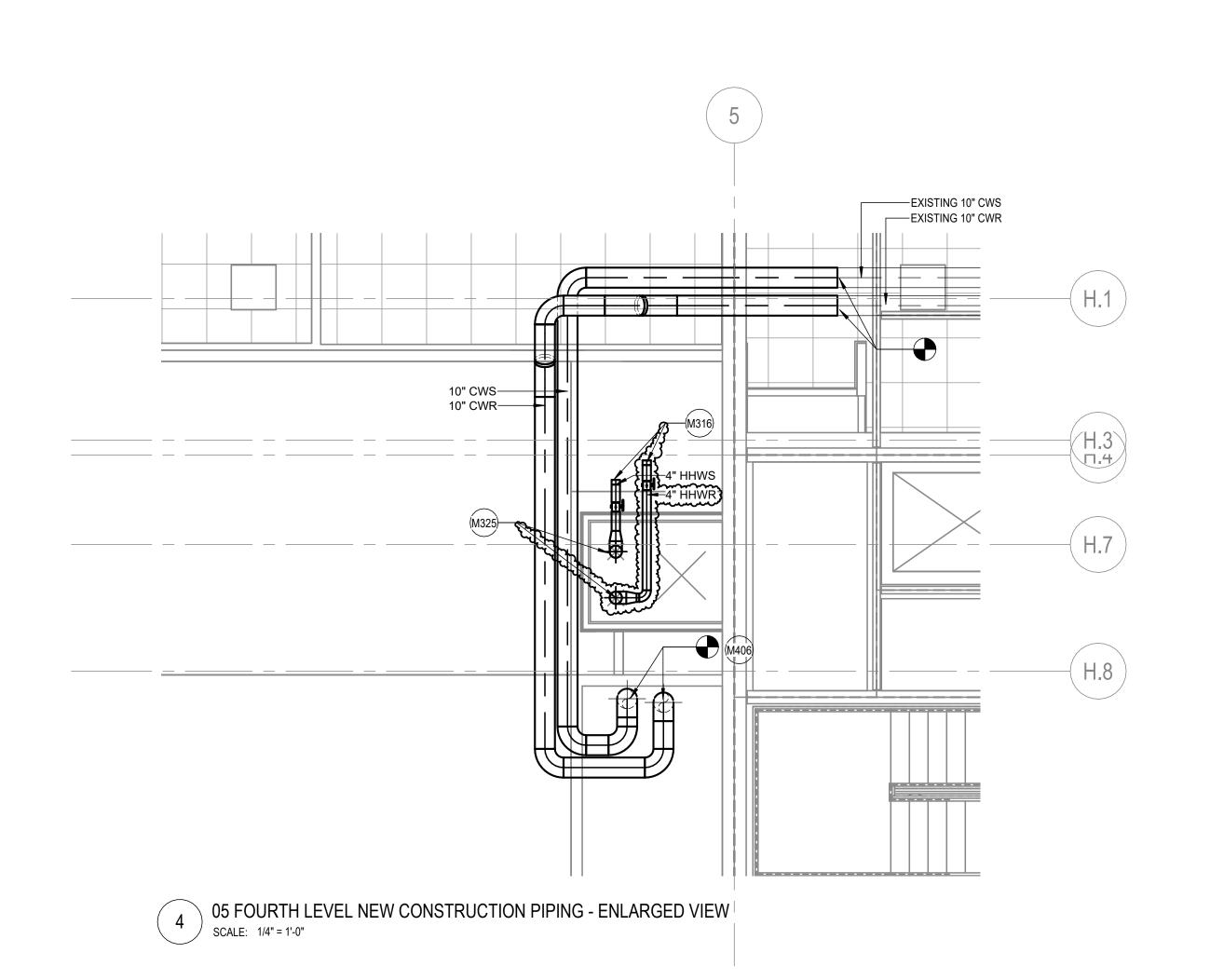
M4.8 SHEET NUMBER

3 04 THIRD LEVEL DEMO PIPING - ENLARGED VIEW SCALE: 1/4" = 1'-0"









- A. SEE DRAWING M0.1 FOR ABBREVIATIONS, SYMBOLS, GENERAL
- B. SYSTEMS WITH AN '(E)' SUBSCRIPT ARE EXISTING TO REMAIN.
  MAINTAIN ALL CONDUIT, WIRING, CIRCUIT CONTINUITY. PROTECT
- FROM DAMAGE DURING CONSTRUCTION. WHERE EXISTING BUILDING SERVICES AND/OR EQUIPMENT THAT IS TO REMAIN IN USE ARE REQUIRED TO BE SHUT DOWN, COORDINATE WITH THE OWNER 14 DAYS PRIOR TO SHUT DOWN. INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS WORK DURING WEEKENDS AND EVENINGS, INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWN MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS.
- FOR ALL WORK ON OR WITHIN EXISTING EQUIPMENT, CONTRACTOR TO COORDINATE WITH EQUIPMENT MANUFACTURER TO MAINTAIN WARRANTIES AND UL LISTINGS OF EQUIPMENT AND
- . THE CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT, PANELS, AND CONTROLLERS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- ISOLATION VALVES ARE NORMALLY OPEN (N.O.) UNLESS SPECIFIED TO BE NORMALLY CLOSED (N.C.) B. PRIOR TO ANY DEMOLITION AND NEW WORK, PERFORM TESTING AND BALANCING OF THE EXISTING HEATING HOT WATER HYDRONIC PUMPING SYSTEMS SERVING THE MOULTRIE BUILDIGN AND THE C-STREET ADDITION. MEASURE PUMP FLOW, PUMP SUCTION PRESSURE, PUMP DISCHARGE PRESSURE, AND TOTAL SYSTEM FLOW AT EXISTING OPERATING PUMP SPEED. SUBMIT TAB REPORT TO OWNER AND EOR FOR REVIEW. DO NOT PROCEED WITH ANY WORK WITHOUT PRIOR TO FORMAL DIRECTION FROM THE OWNER.





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PROVIDE ISOLATION VALVES AND CAPPED ENDS PER 4" HHWS AND 4" HHWR BRANCH PIPING ON EACH FLOOR FOR FUTURE CONNECTIONS. 6" HHWS RISER AND 6" HHWR RISER ROUTED FROM PARKING LEVEL. SEE MECHANICAL SECTIONS AND PARKING LEVEL MECHANICAL PIPING PLANS FOR ADDITIONAL INFORMATION. PROVIDE NEW CONDENSER WATER PIPING. CONNECT TO EXISITNG CONDENSER WATER PIPING. REUSE EXISTING DIFFUSER AS INDICATED.

PROVIDE NEW 8" ROUND SUPPLY DUCT AS INDICATED. CONNECT TO EXISTING SUPPLY DUCT INSTALL NEW EXHAUST DUCTWORK AND CONNECT TO EXISTING EXHAUST DUCTWORK AT POINT OF CONNECTION AS INDICATED.

DISCONNECT AND REMOVE EXISTING SUPPLY DUCT AS INDICATED. REMOVE EXISTING DIFFUSER AS INDICATED. SAVE DIFFUSER FOR FUTURE REUSE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION. MD020 DISCONNECT AND REMOVE EXISTING EXHAUST

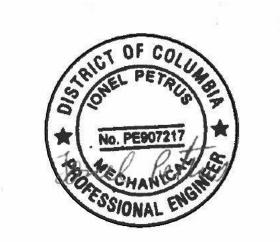
> DISCONNECT AND REMOVE EXISTING CONDENSER WATER SUPPLY AND CONDENSER WATER RETURN PIPING BETWEEN POINTS OF DISCONNECTION AS INDICATED TO SUPPORT CONSTRUCTION OF NEW

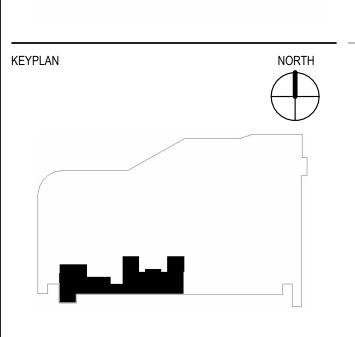
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FOURTH LEVEL FLOOR PLAN - ENLARGED VIEW

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