

DRAWING INDEX

GENERAL

T1 TITLE SHEET

MECHANICAL

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- MD3 SIXTH FLOOR DEMOLITION PLAN
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CAMPUS PLANNING
AND CONSTRUCTION
COLUMBIA, SC 29208

HVAC EQUIPMENT REPLACEMENT AND REPAIRS

USC HUMANITIES OFFICE BUILDING

COLUMBIA, SC

PROJECT NUMBER H27-Z417/50003395-2

REV	DATE	DESCRIPTION	DRAWN BY	DEM DATE	CHECKED BY	SCALE

LOCATION MAP



DESIGN CODES AND STANDARDS

PROJECT DESIGNED IN ACCORDANCE WITH:

1. INTERNATIONAL BUILDING CODE 2018 EDITION
2. INTERNATIONAL MECHANICAL CODE 2018 EDITION
3. NATIONAL ELECTRICAL CODE, NFPA 70 2017 EDITION
4. STATE FIRE MARSHALL, LATEST EDITION
5. INTERNATIONAL FIRE CODE 2018 EDITION
6. ASHRAE/IESNA 90.1 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS, 2007 EDITION

PROJECT TITLE: HVAC EQUIPMENT REPLACEMENT AND REPAIRS
USC HUMANITIES OFFICE BUILDING

University of South Carolina



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CONSULTING ENGINEERS

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T1

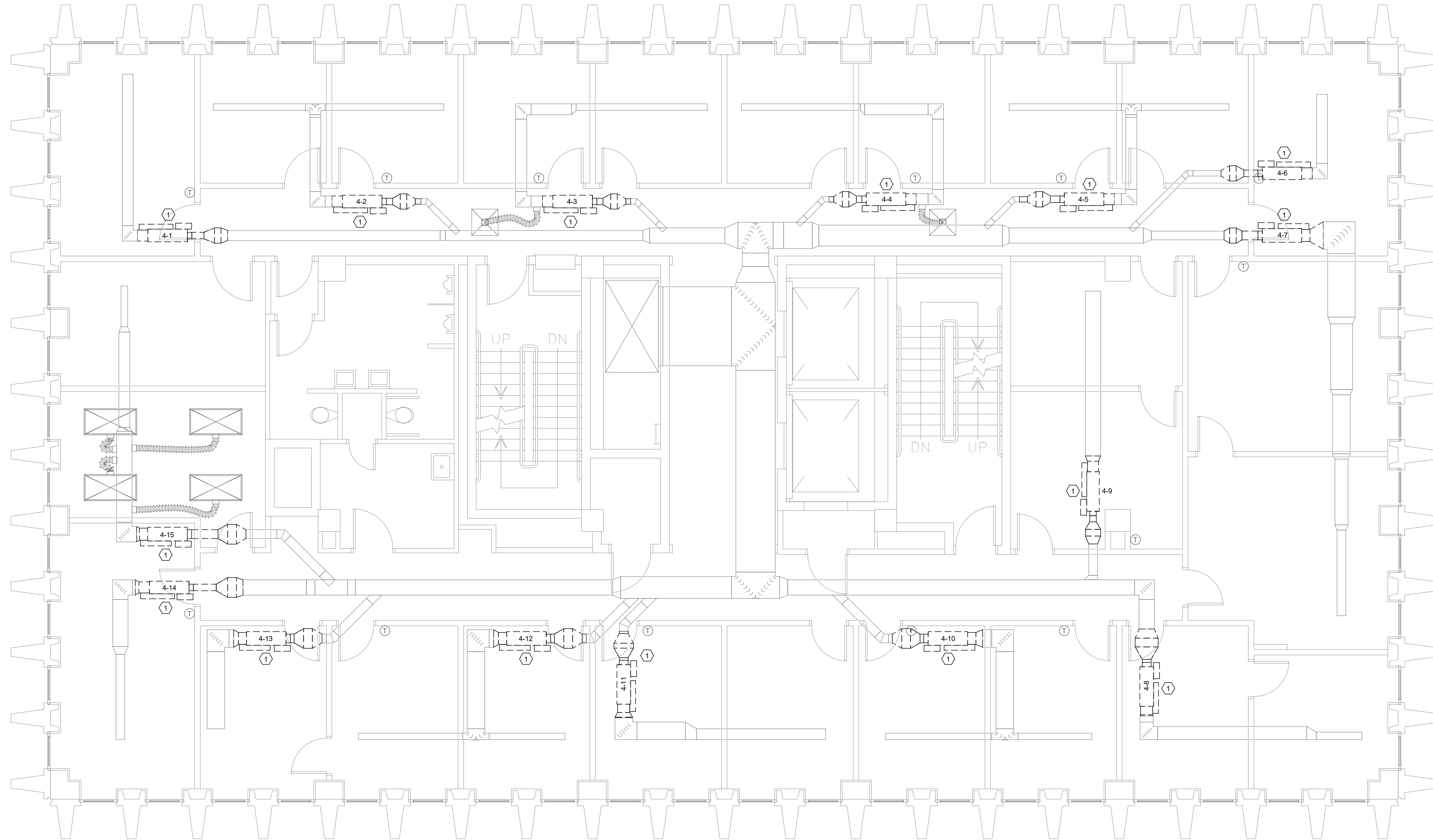
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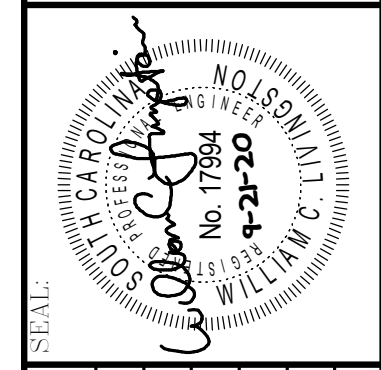
DEMOLITION NOTES

1 REMOVE EXISTING VAV TERMINAL AND HOT WATER COIL COMPLETE, INCLUDING BUT NOT LIMITED TO PIPING CONNECTIONS, CONTROLS, AND WIRING. DUCTWORK TO REMAIN. COORDINATE PIPING AND DUCTWORK DEMOLITION WITH ASBESTOS ABATEMENT CONTRACTOR. ONLY REMOVE PIPE AND DUCT REQUIRED TO INSTALL NEW VAV TERMINAL.



1 FOURTH FLOOR DEMOLITION PLAN (ALTERNATE 2)
MD1 1/4" = 1'-0"

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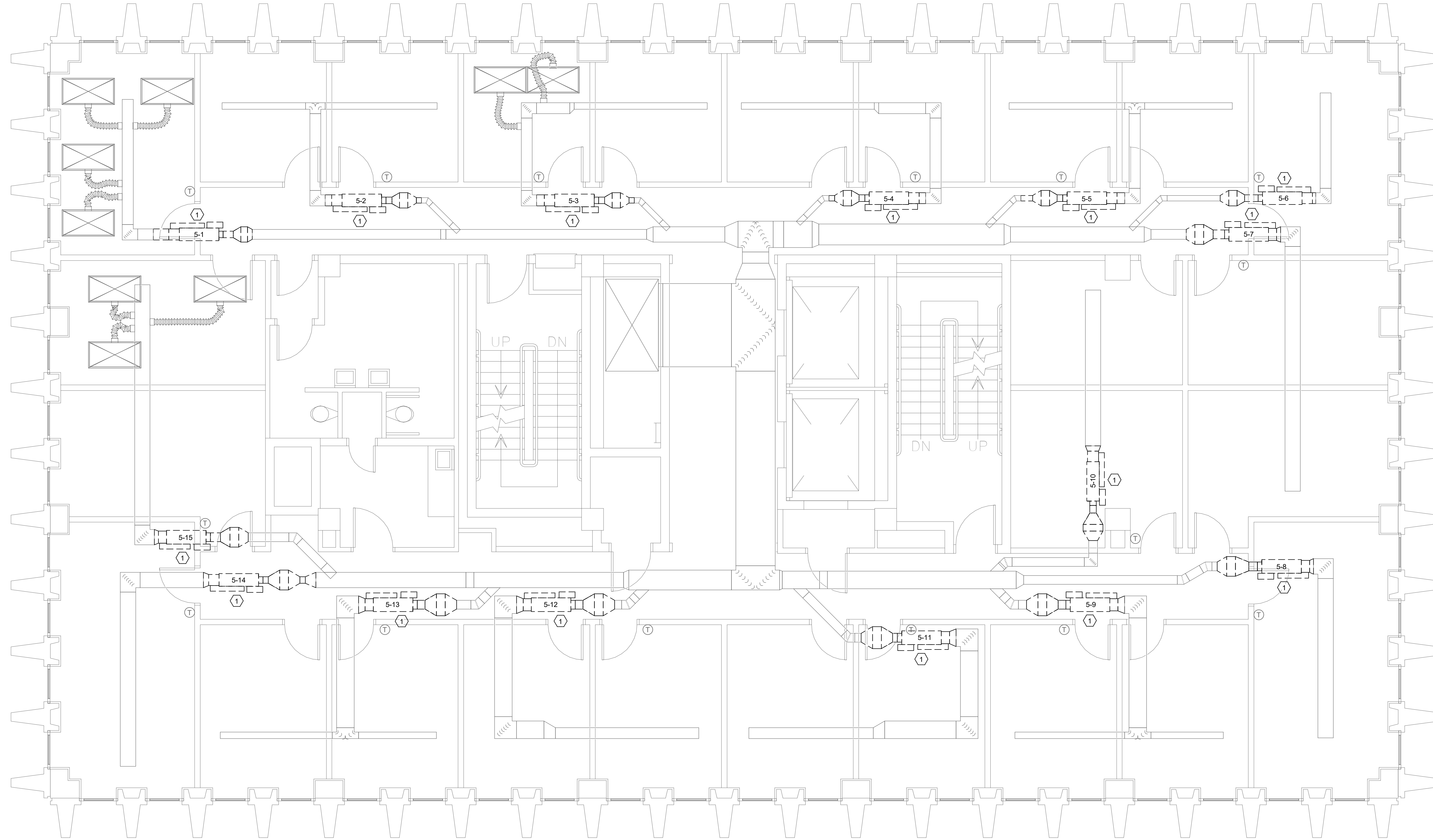
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<p>SWYBERT AND ASSOCIATES, LTD. NO. C00227</p>	<p>Swybert & Associates CONSULTING ENGINEERS</p> <p>DBA Swybert & Assoc., Ltd. Telephone: (803) 791-0300 Post Office Box 11686 Facsimile: (803) 791-0830 Columbia, S.C. 29211 mail@swybert-associates.com</p>	<p>MD1</p> <p>OF</p> <p>SHEET IN SET:</p> <p>OF</p>
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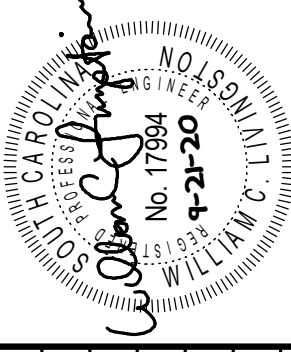
DEMOLITION NOTES

① REMOVE EXISTING VAV TERMINAL AND HOT WATER COIL COMPLETE, INCLUDING BUT NOT LIMITED TO PIPING CONNECTIONS, CONTROLS, AND WIRING. DUCTWORK TO REMAIN. COORDINATE PIPING AND DUCTWORK DEMOLITION WITH ASBESTOS ABATEMENT CONTRACTOR. ONLY REMOVE PIPE AND DUCT REQUIRED TO INSTALL NEW VAV TERMINAL.



① FIFTH FLOOR DEMOLITION PLAN (ALTERNATE 1)
MD2 1/4" = 1'-0"

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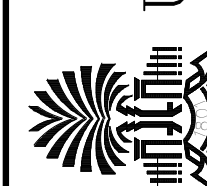
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SHEET: MD2
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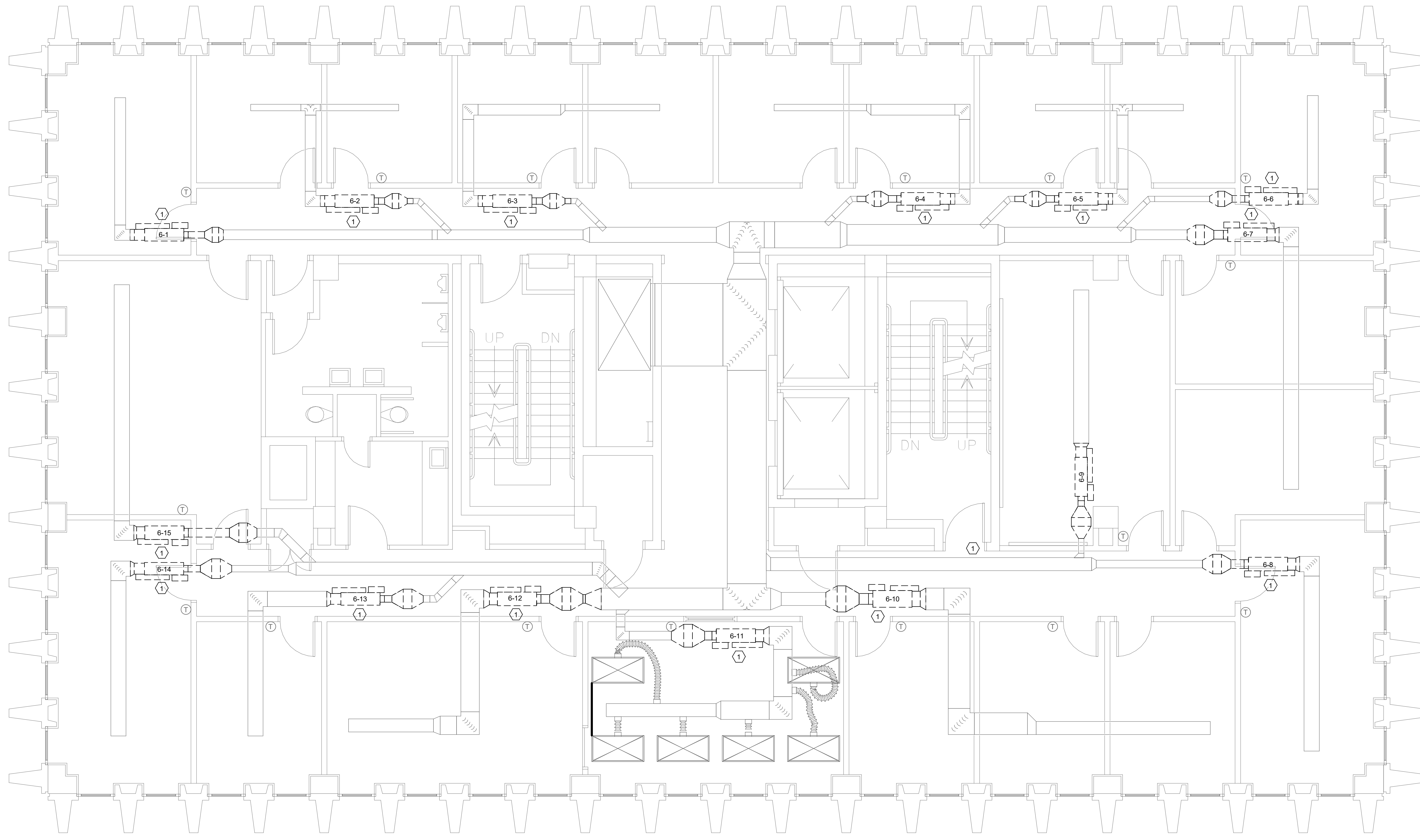
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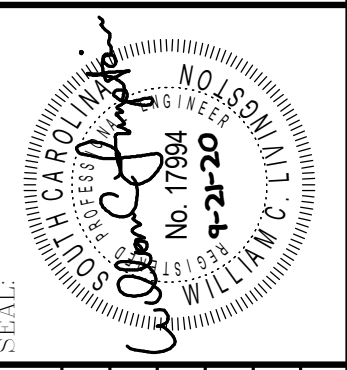
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DEMOLITION NOTES

① REMOVE EXISTING VAV TERMINAL AND HOT WATER COIL COMPLETE, INCLUDING BUT NOT LIMITED TO PIPING CONNECTIONS, CONTROLS, AND WIRING. DUCTWORK TO REMAIN. COORDINATE PIPING AND DUCTWORK DEMOLITION WITH ASBESTOS ABATEMENT CONTRACTOR. ONLY REMOVE PIPE AND DUCT REQUIRED TO INSTALL NEW VAV TERMINAL.



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① SIXTH FLOOR DEMOLITION PLAN
MDS 1/4" = 1'-0"

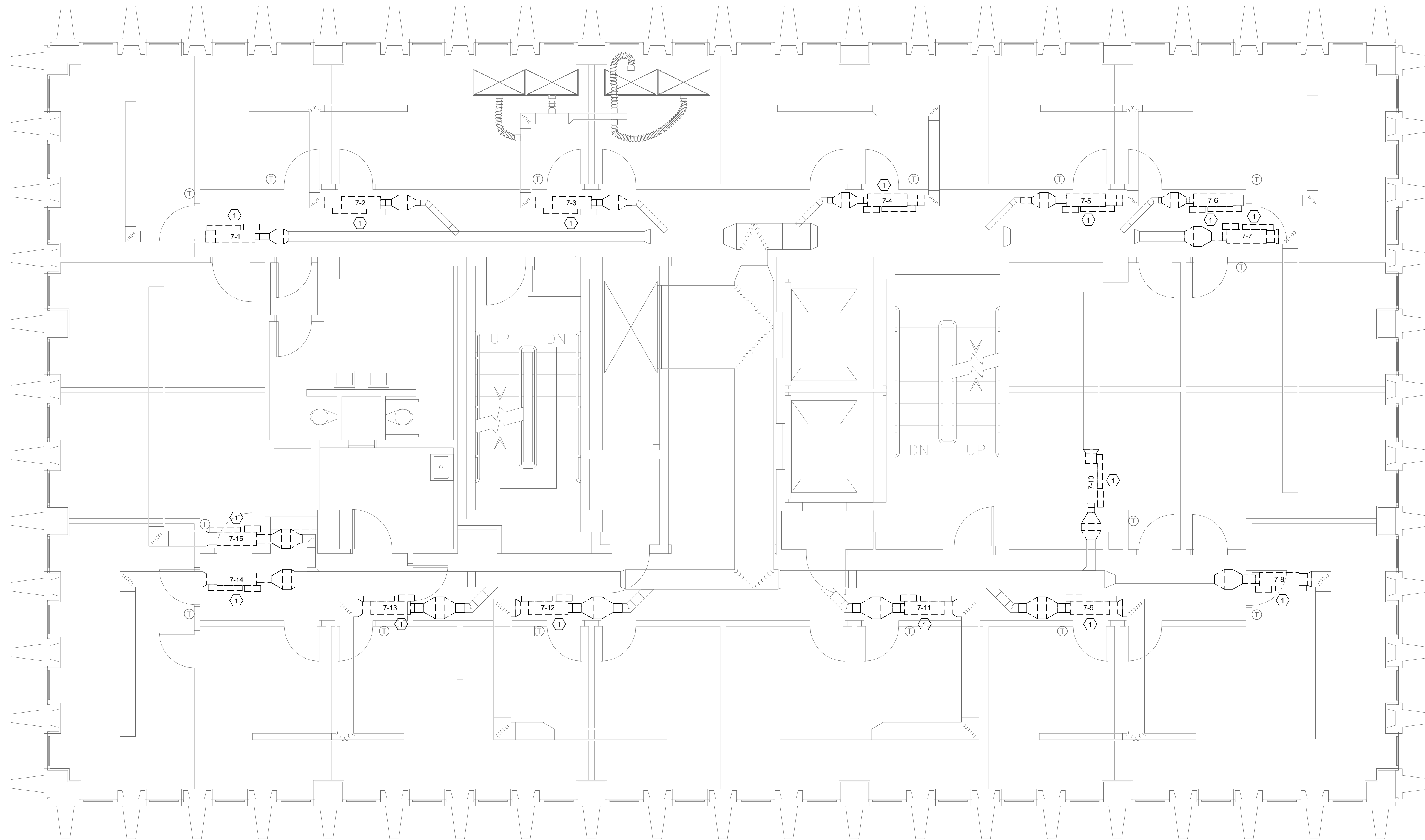
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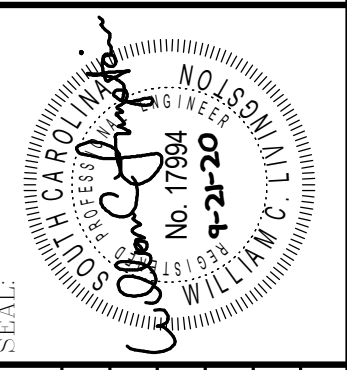
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DEMOLITION NOTES

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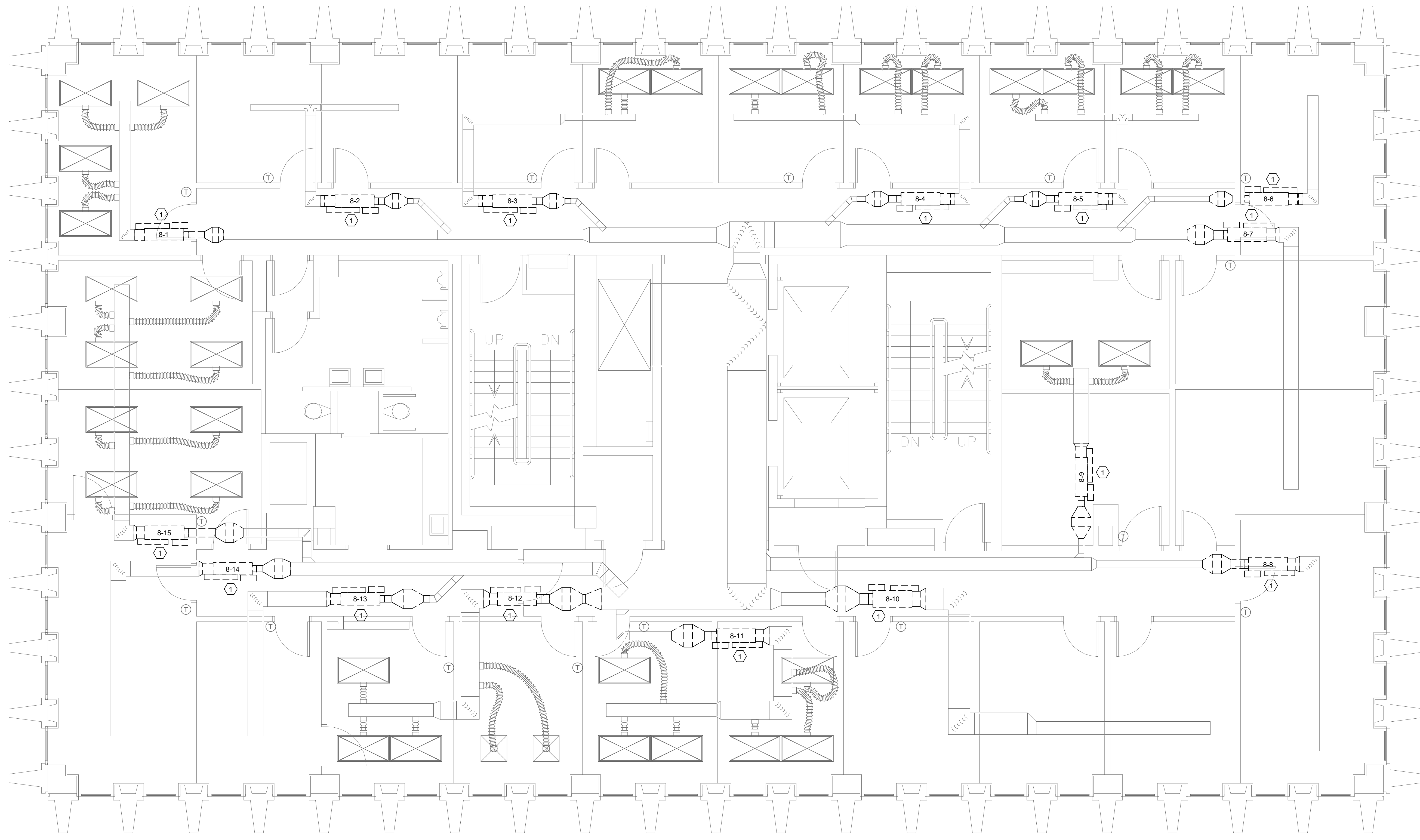
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① **SEVENTH FLOOR DEMOLITION PLAN**
MD4 1/4" = 1'-0"

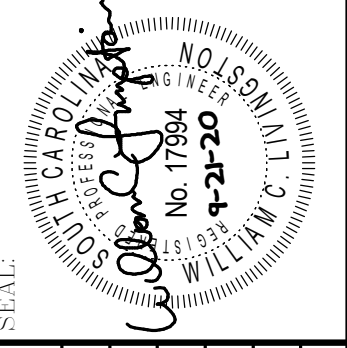
	Swygart & Associates CONSULTING ENGINEERS DBA Swygart & Assoc., Ltd. Telephone: (803) 791-0300 Post Office Box 11686 Facsimile: (803) 791-0830 Columbia, S.C. 29211 mail@swygart-associates.com	MD4 OF SHEET IN SET: OF
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DEMOLITION NOTES

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	DEM DATE:			

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① EIGHTH FLOOR DEMOLITION PLAN
MDS 1/4" = 1'-0"



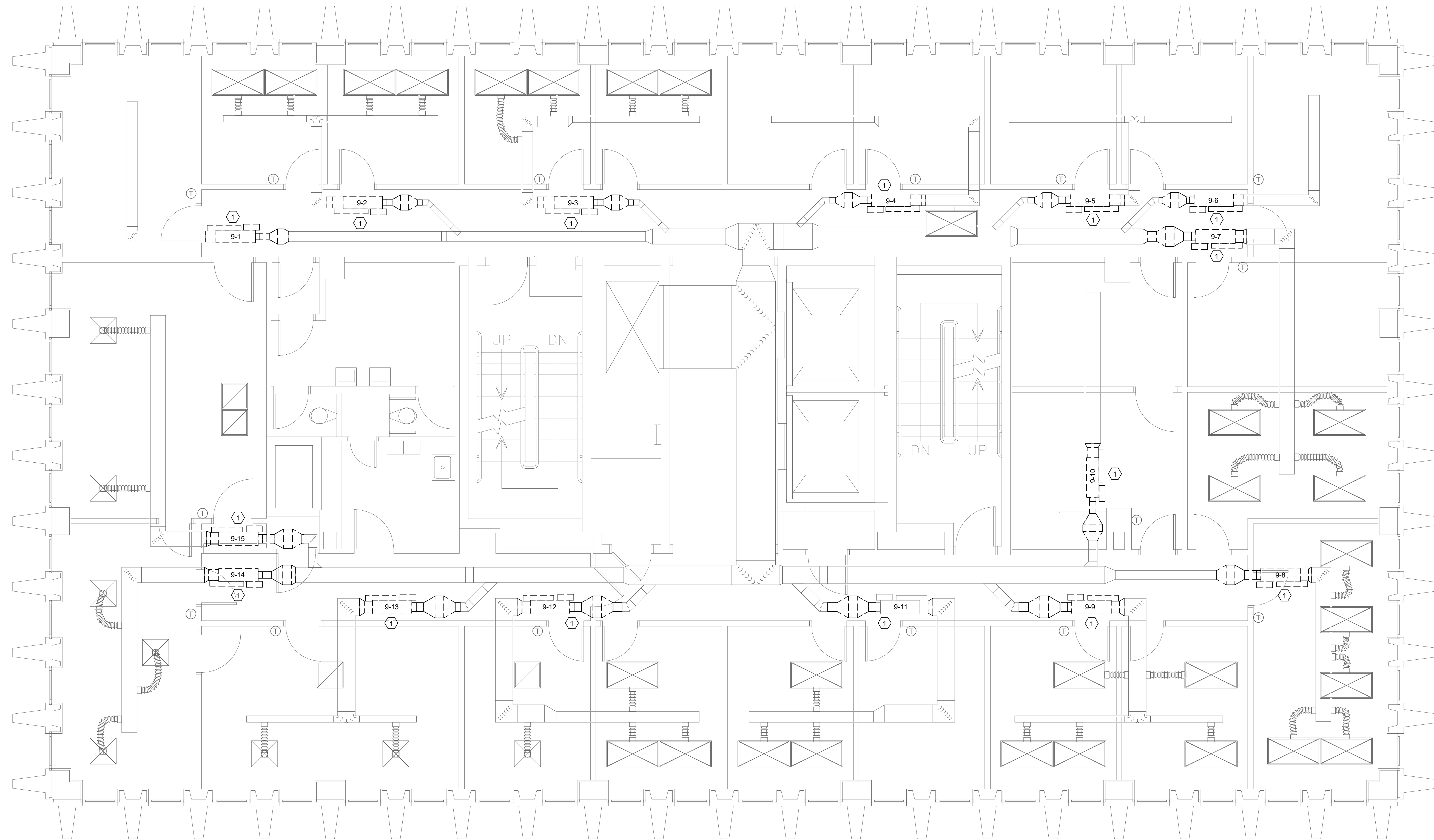
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SHEET: MD5
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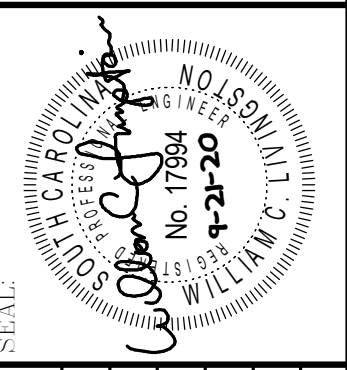
DEMOLITION NOTES

① REMOVE EXISTING VAV TERMINAL AND HOT WATER COIL COMPLETE, INCLUDING BUT NOT LIMITED TO PIPING CONNECTIONS, CONTROLS, AND WIRING. DUCTWORK TO REMAIN. COORDINATE PIPING AND DUCTWORK DEMOLITION WITH ASBESTOS ABATEMENT CONTRACTOR. ONLY REMOVE PIPE AND DUCT REQUIRED TO INSTALL NEW VAV TERMINAL.



① NINTH FLOOR DEMOLITION PLAN
MD6 1/4" = 1'-0"

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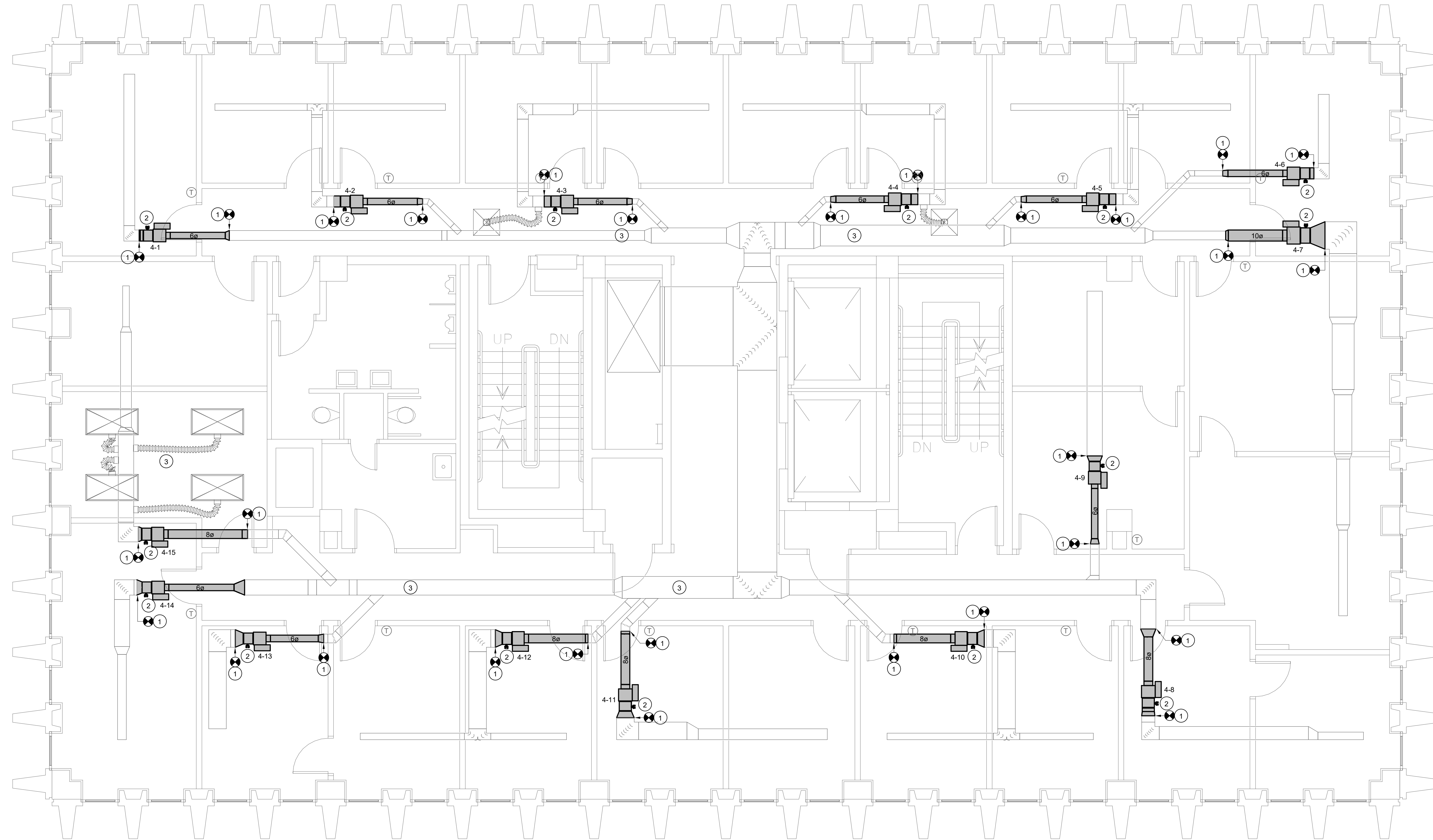
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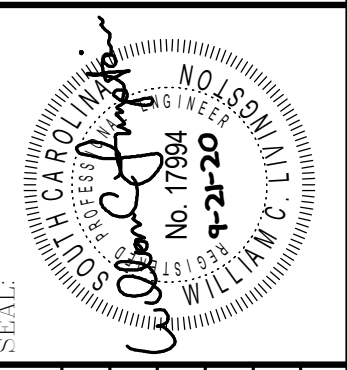
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NOTES TO SHEET

- 1 CONNECT VAV TERMINAL TO EXISTING DUCTWORK. PROVIDE TRANSITIONS AS REQUIRED.
- 2 CONNECT HOT WATER PIPING FROM EXISTING PIPE TO NEW VAV TERMINAL.
- 3 DUCTWORK INSULATION ON EXISTING DUCT THAT IS NOT INSULATED WILL BE BY OWNER AND IS NOT PART OF THIS CONTRACTOR'S SCOPE.



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1 FOURTH FLOOR RENOVATION PLAN (ALTERNATE 2)
M1 1/4" = 1'-0"



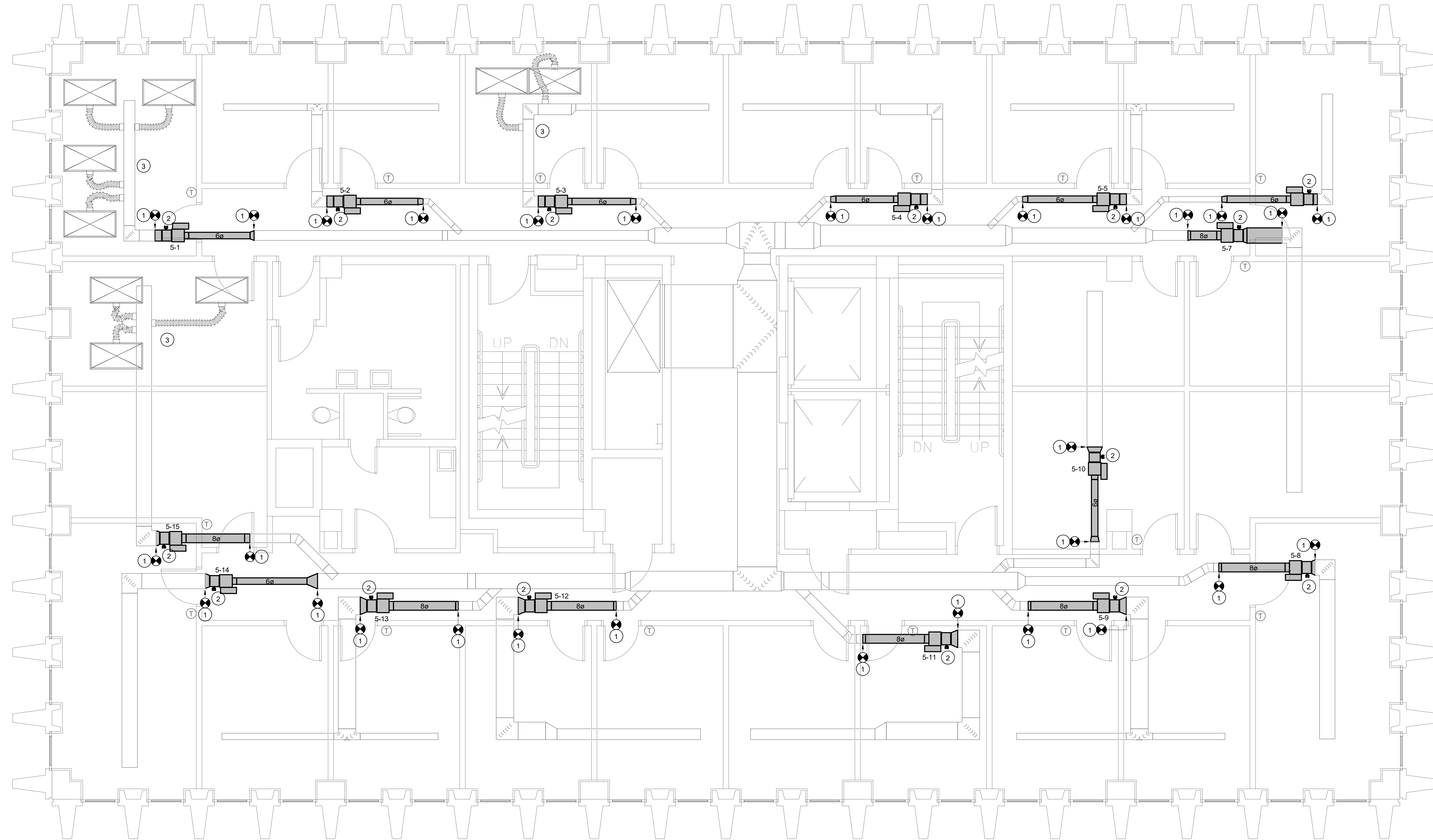
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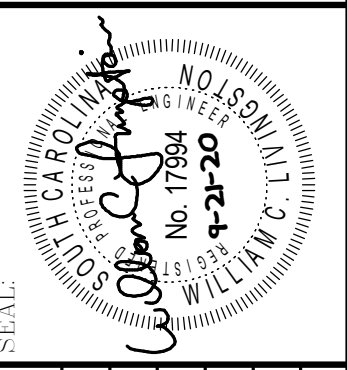
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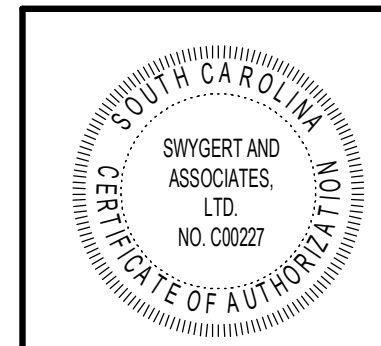


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PROJECT TITLE: HVAC EQUIPMENT REPLACEMENT AND REPAIRS
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1 FIFTH FLOOR RENOVATION PLAN (ALTERNATE 1)
M2 1/4" = 1'-0"



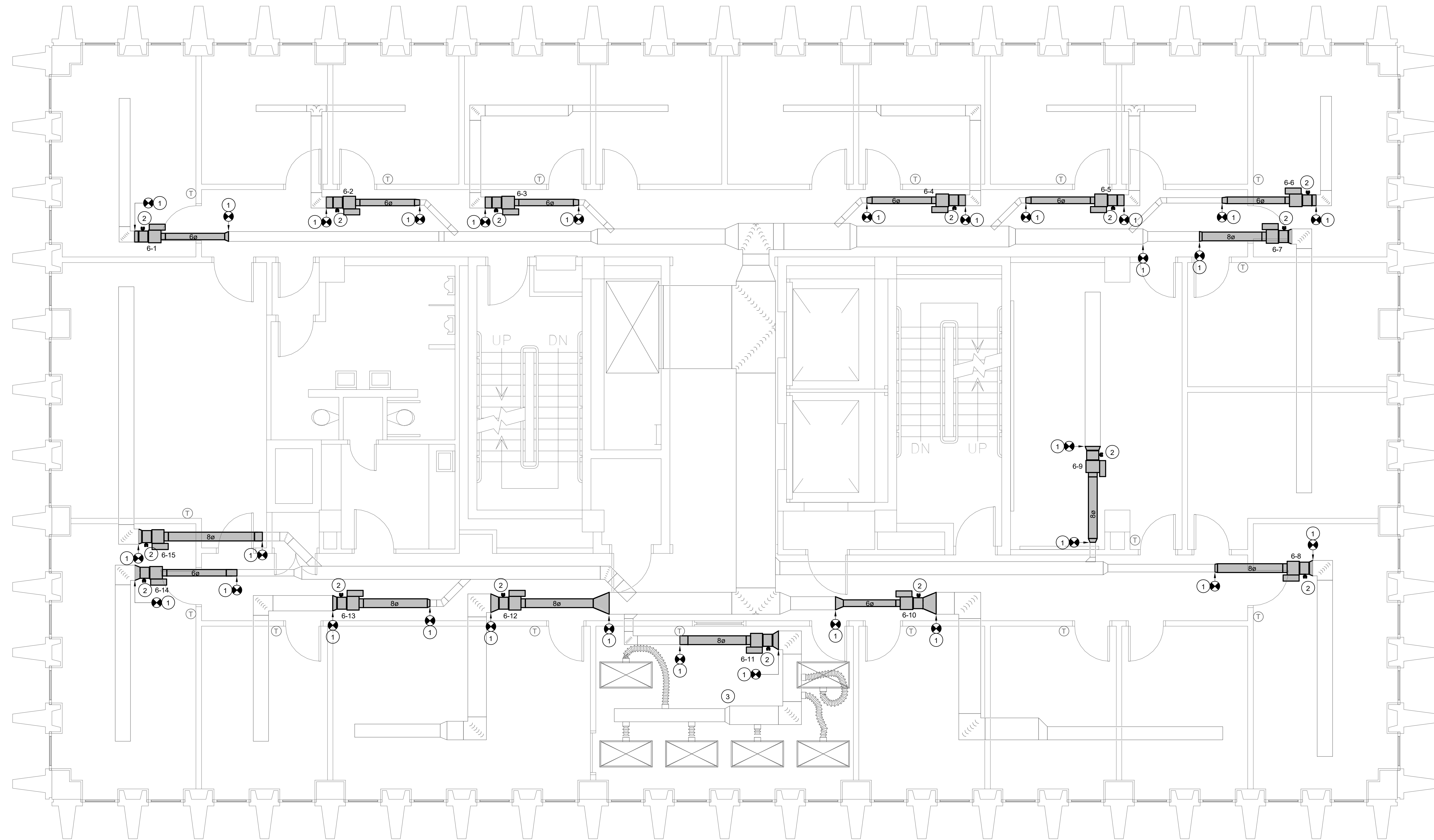
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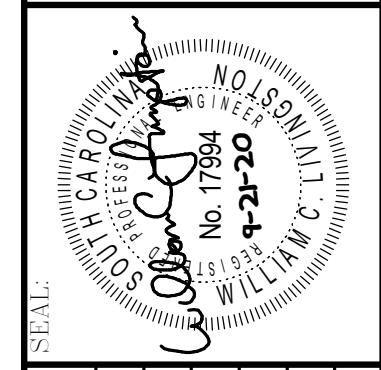
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- 1 CONNECT VAV TERMINAL TO EXISTING DUCTWORK. PROVIDE TRANSITIONS AS REQUIRED.
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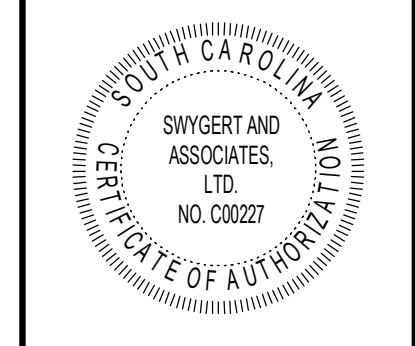


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1 SIXTH FLOOR RENOVATION PLAN
M3 1/4" = 1'-0"



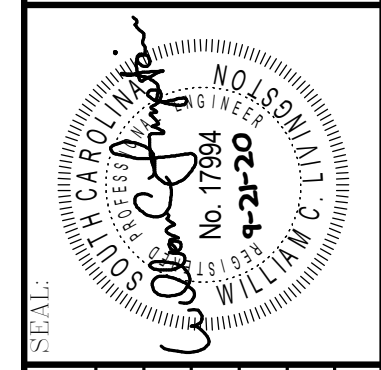
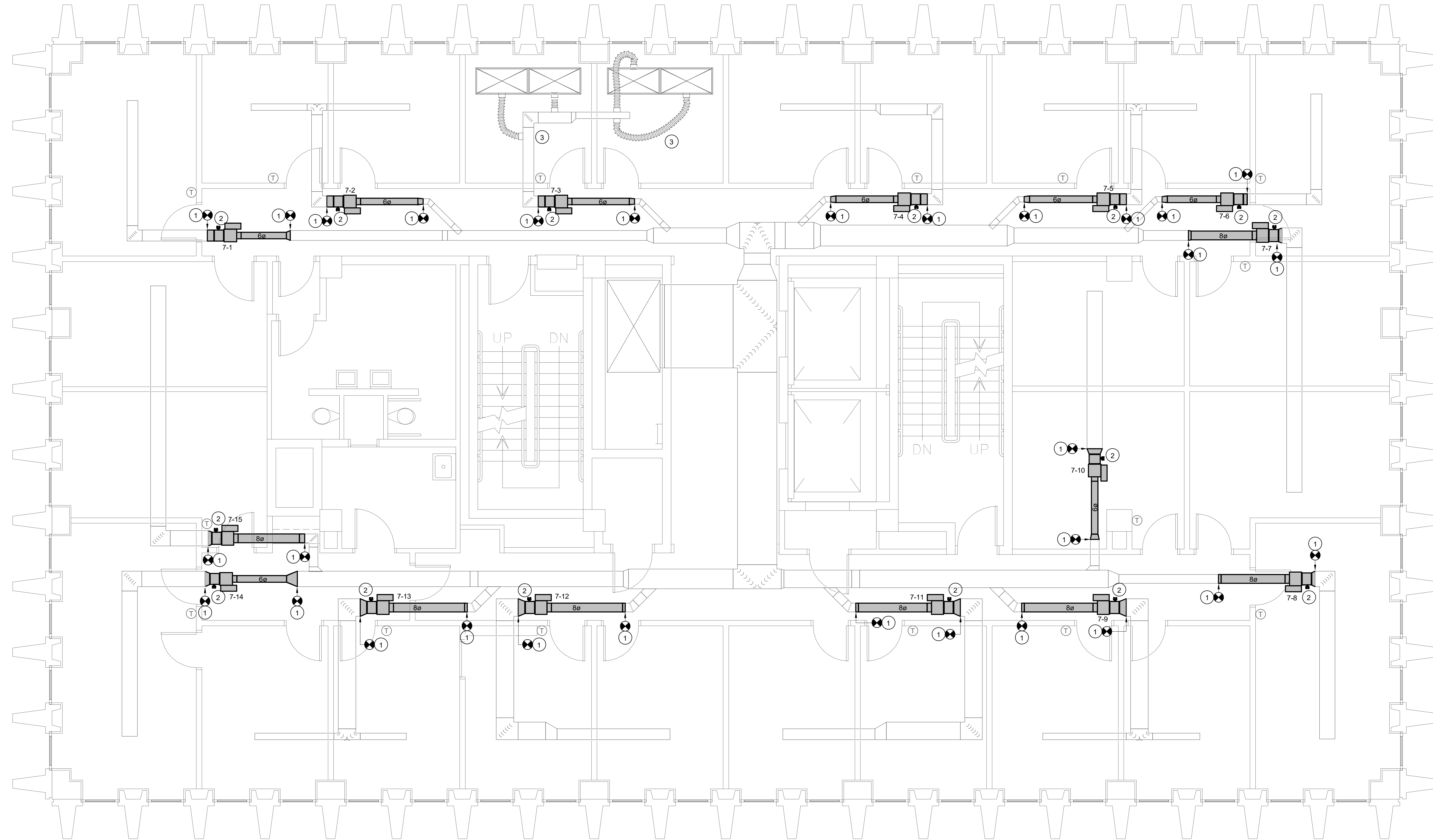
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SHEET:
M3
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NOTES TO SHEET

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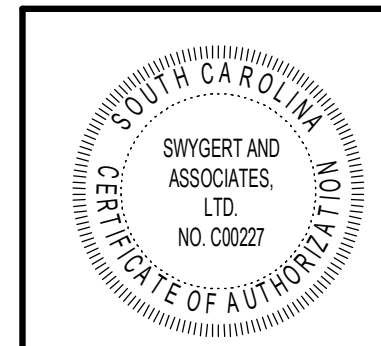


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1 SEVENTH FLOOR RENOVATION PLAN
 M4 1/4" = 1'-0"



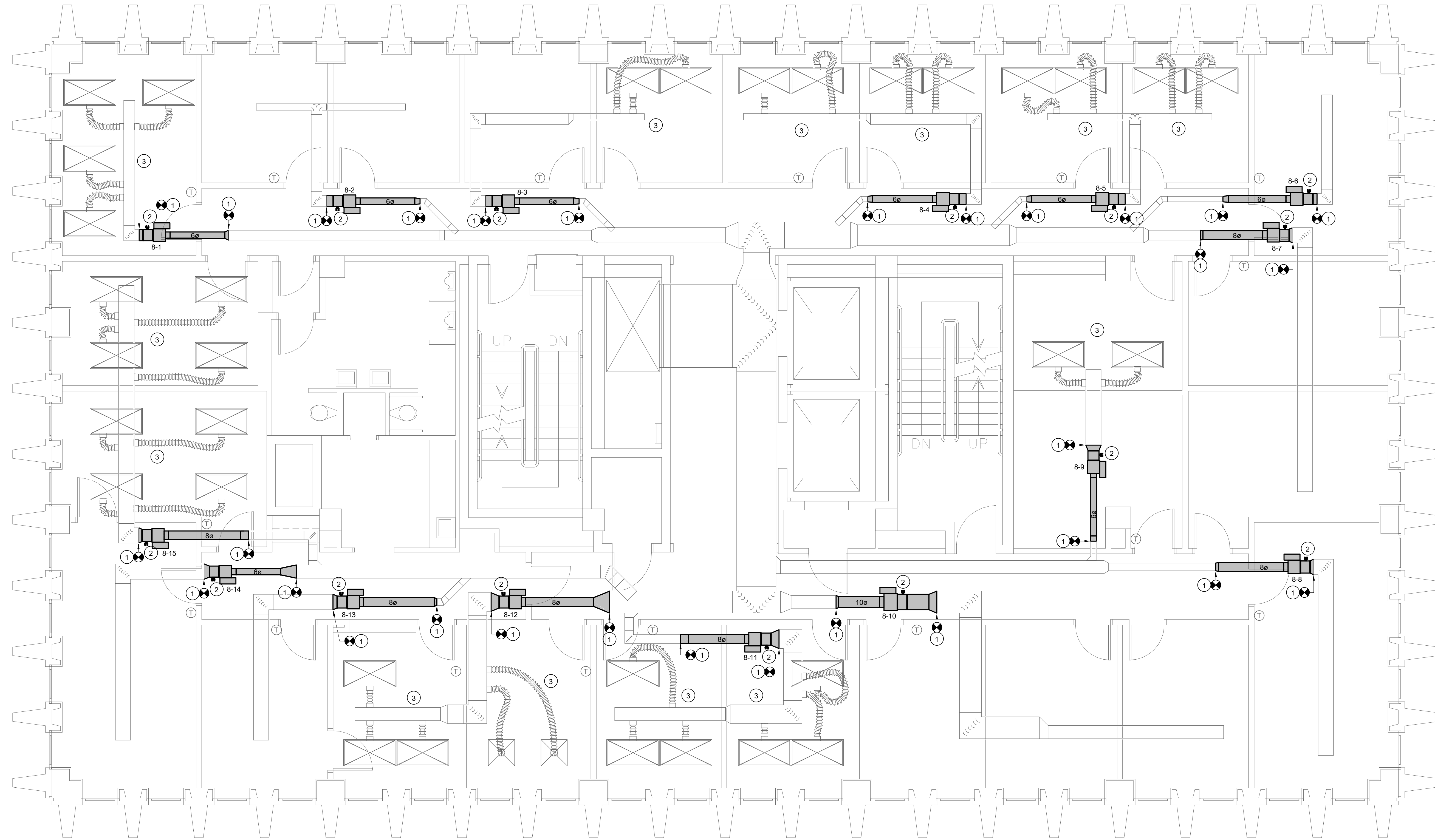
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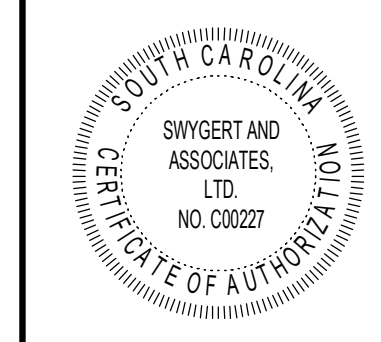
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NOTES TO SHEET

- 1 CONNECT VAV TERMINAL TO EXISTING DUCTWORK. PROVIDE TRANSITIONS AS REQUIRED.
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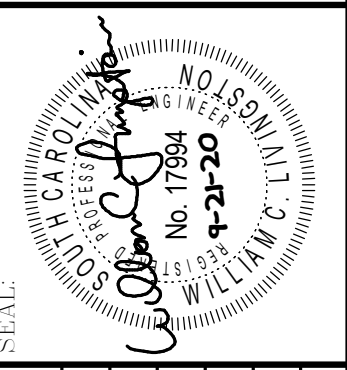


1 EIGHTH FLOOR RENOVATION PLAN
 M5 1/4" = 1'-0"



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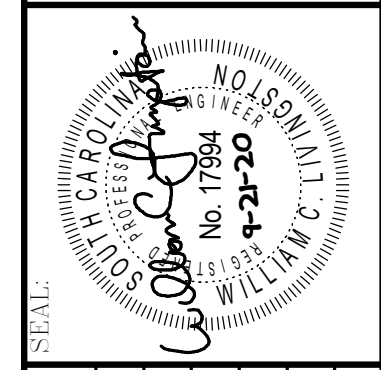
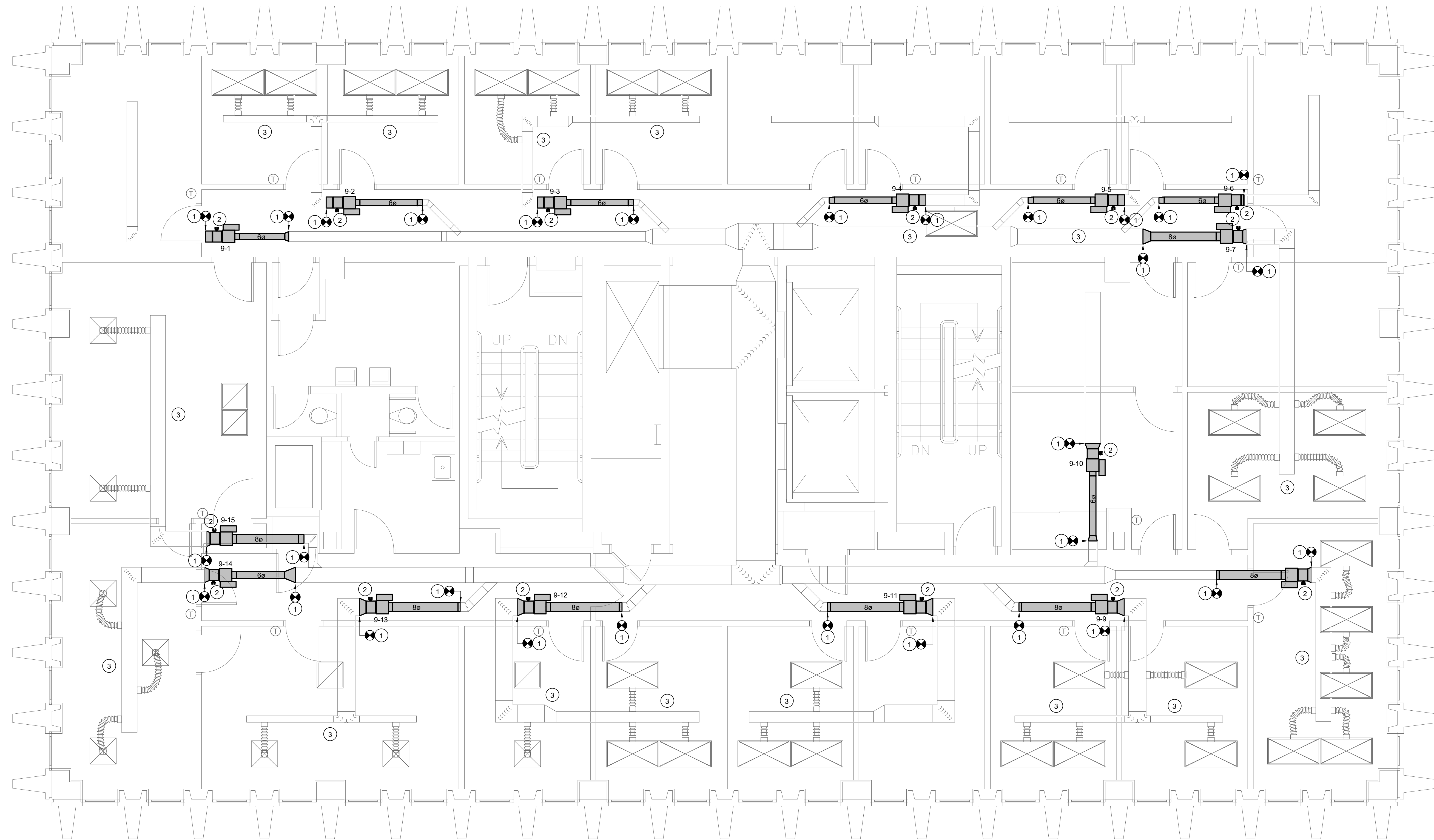
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PROJECT TITLE: HVAC EQUIPMENT REPLACEMENT AND REPAIRS
 USC HUMANITIES OFFICE BUILDING

SHEET: **M5**
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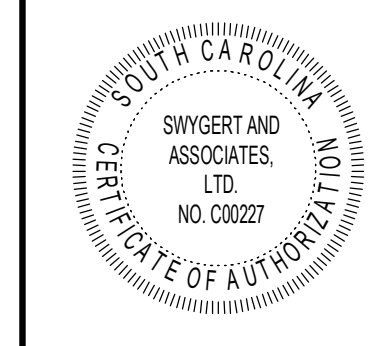


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UNIVERSITY OF SOUTH CAROLINA

1 NINTH FLOOR RENOVATION PLAN
 M6 1/4" = 1'-0"

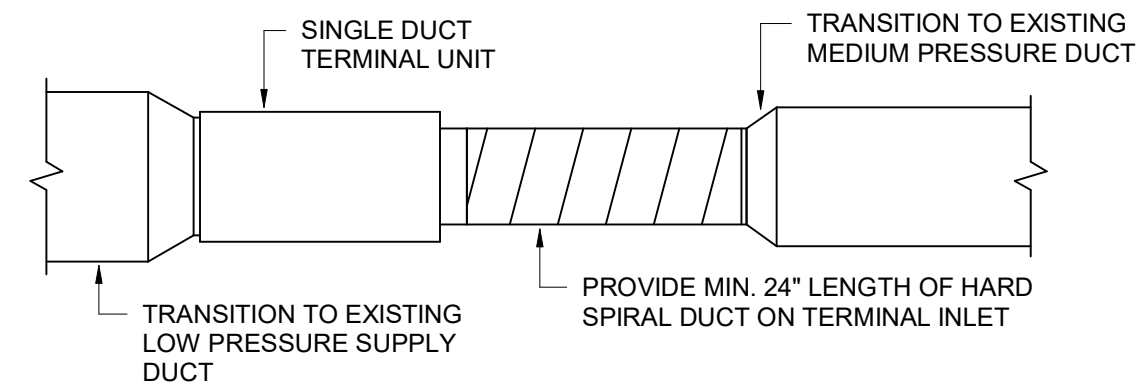


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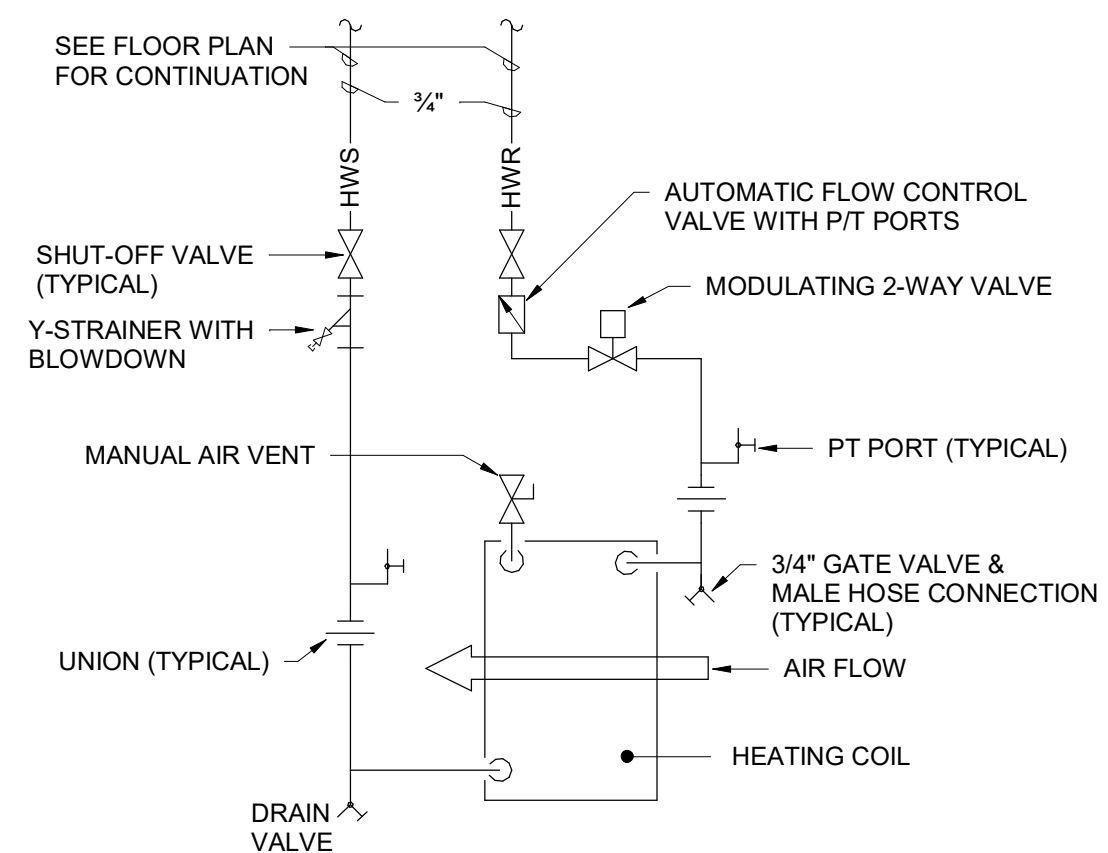
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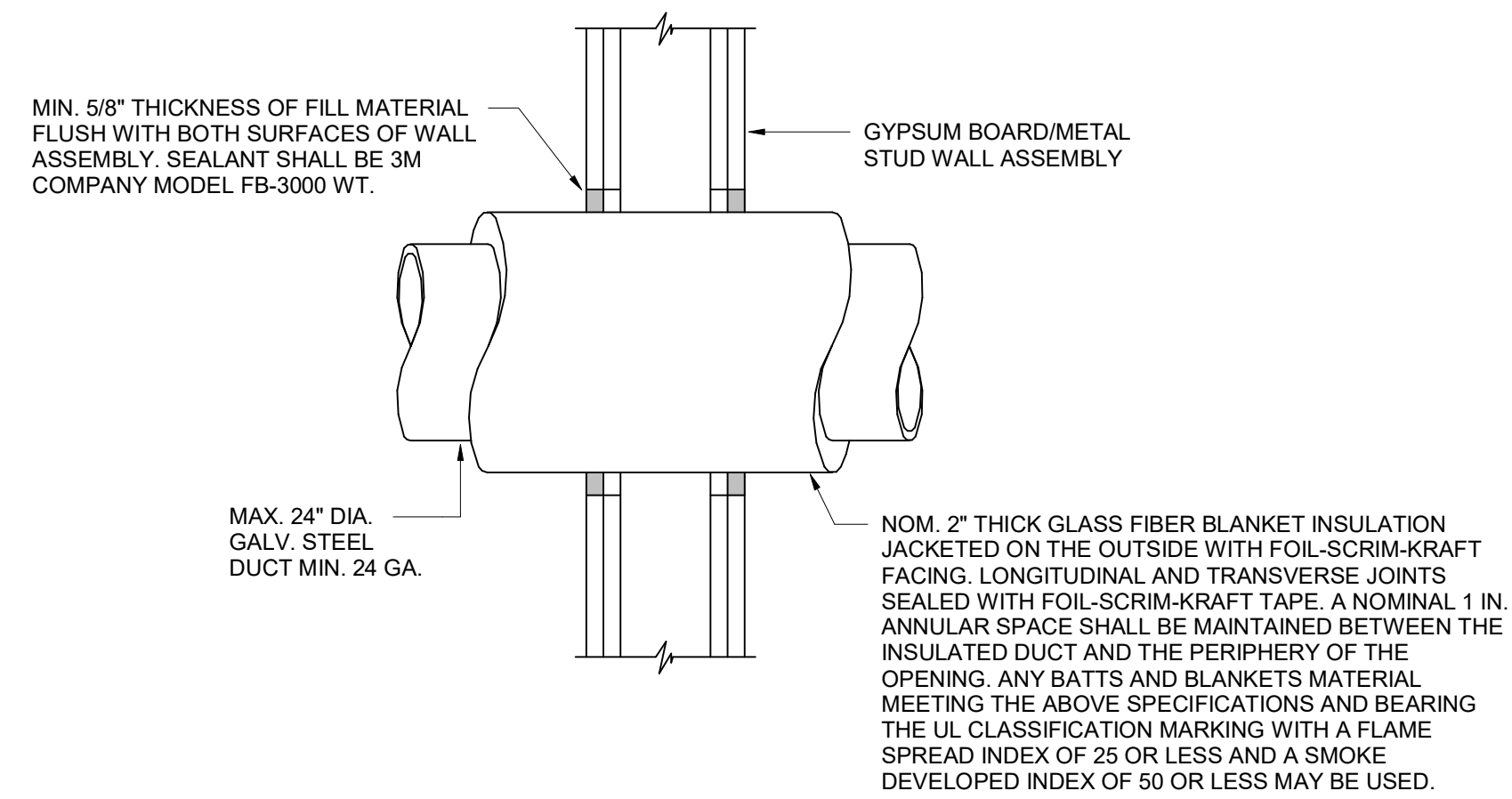
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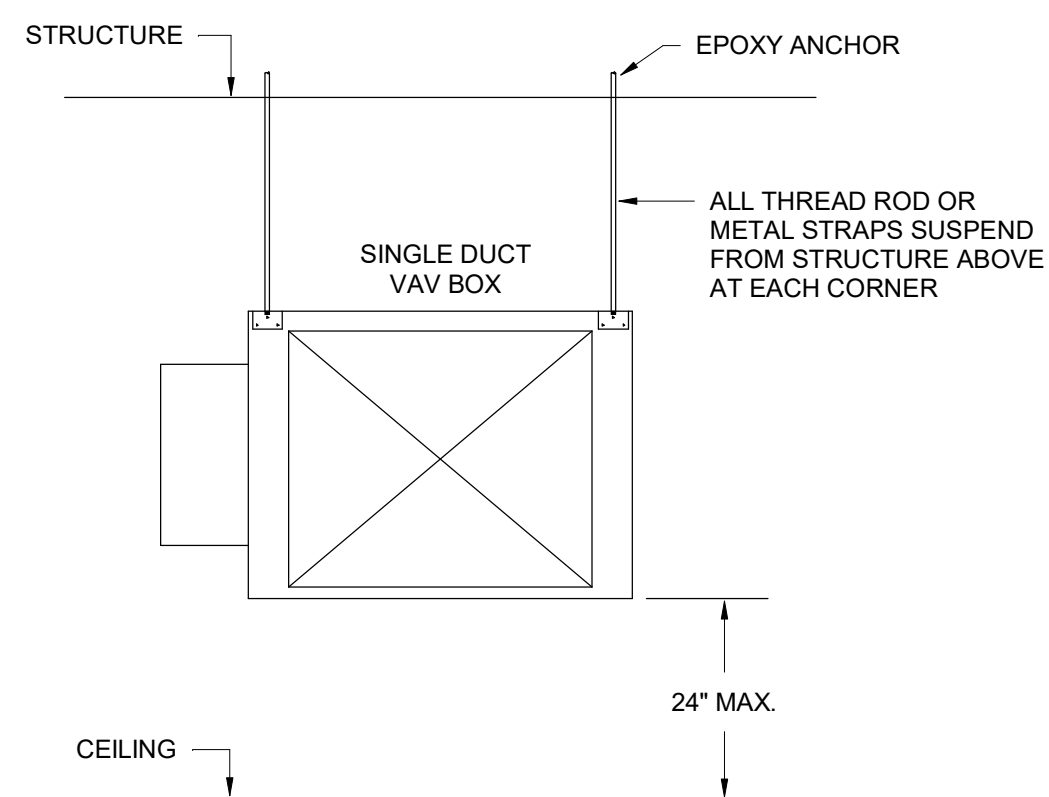
VAV BOX CONNECTION DETAIL
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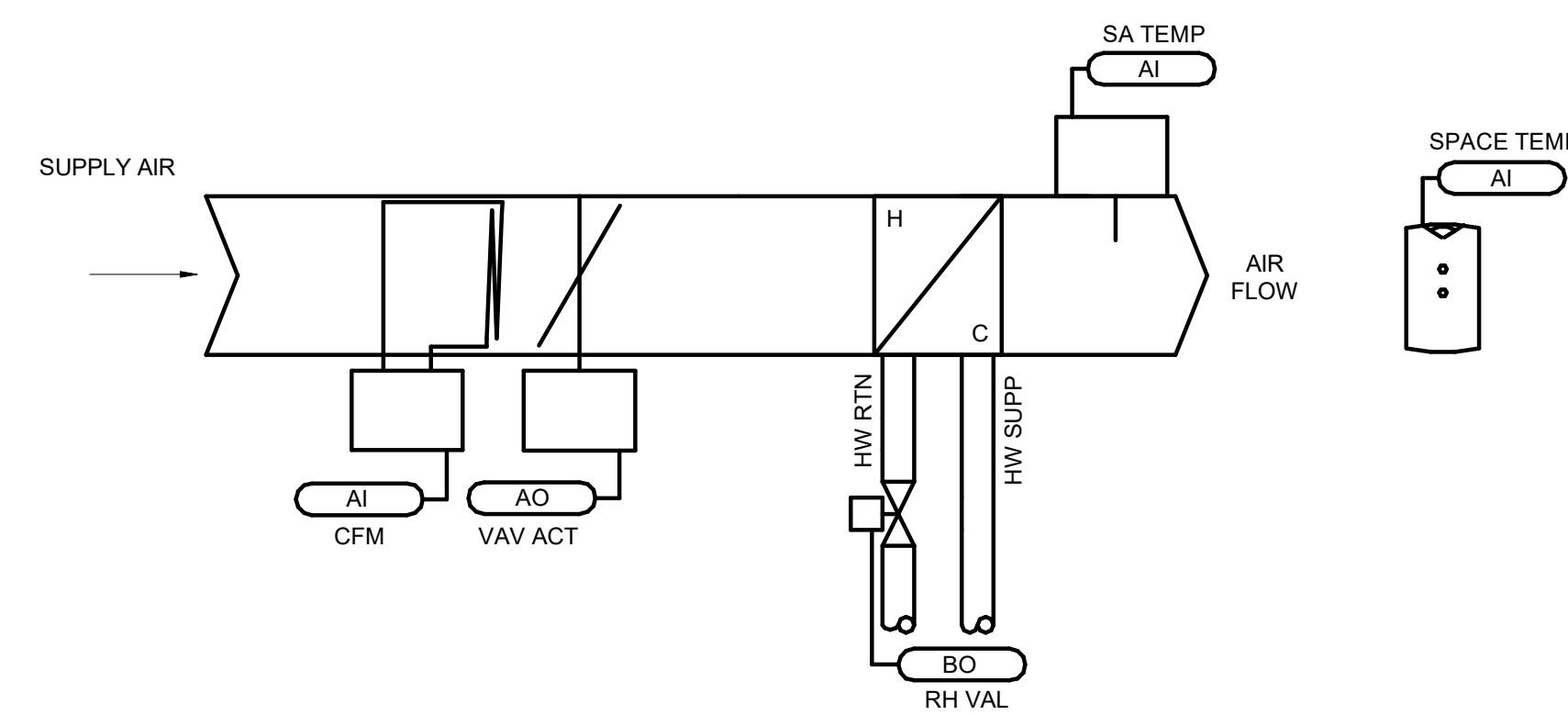
VAV HEATING COIL PIPING DETAIL
NO SCALE



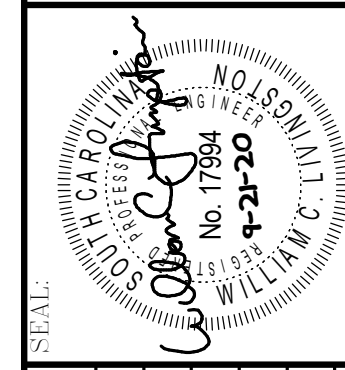
U.L. SYSTEM W-L-7177 DETAIL
NO SCALE



SINGLE DUCT VAV BOX SUPPORT DETAIL
NO SCALE



SINGLE DUCT VAV CONTROL DIAGRAM
NO SCALE



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