

WATSON TATE SAVORY

ARCHITECTURE • INTERIORS • PLANNING

ADDENDUM NO.: ONE

DATE: November 1 2017

PROJECT TITLE: **USC Lieber College HVAC Renovation
H27-Z313**
University of South Carolina

WRITTEN BY: J. Sanders Tate, AIA NCARB

TO: Prospective Bidders / Plan Holders

This addendum is issued pursuant to Article 1.1.1 of the AIA General Conditions of the Contract (A201) in connection with the revision of Bidding Documents which have been previously issued.

Addenda are issued prior to execution of Contract. All instructions contained herein shall be reflected in the Contract Sum and this Addendum will be made a part of the Contract Documents, if, as, and when a Construction Contract is awarded.

This Addendum forms a part of the Contract Documents and modifies the original documents as noted below. Acknowledge receipt of this Addendum in this space provided on the Bid Form. Failure to do so will subject the Bidder to disqualification.

This Addendum consists of 2 pages, Pre-Bid sign-in sheet (2 pages), Hazardous Material Survey (2 pages), plus replacement of Mechanical (M) drawings as listed below:

REVISED DATE FOR BID OPENING:

1. Bid Opening has been postponed until November 30, 2017 at same time and location. New closing date for questions and substitution requests is 5pm on November 17, 2017. All other requirements for the Bid as described in the Contract Documents remain the same.

ADDITIONAL SITE VISIT:

1. Bidders will be allowed to visit Lieber College for an additional non-mandatory site visit on Tuesday, November 14 at 11 am. Meet in the lobby.

PRE-BID MEETING:

1. A non-mandatory pre-bid meeting was held at 1300 Pickens Street Columbia, SC at 10 am on October 25, 2007. A sign-in sheet from that meeting is attached as a part of this addendum.

REVISIONS TO THE PROJECT MANUAL:

1. See the attached Hazardous Material Survey information provided by the Owner. **NOTE:** Contractor shall not handle any hazardous materials. USC will handle all Hazardous Materials. Contractor shall advise USC Project Manager whenever they encounter suspicious material and USC shall manage it.

2. Refer to specification section 23 00 00 Mechanical, General; paragraph 3.10 Warranty. Add paragraph 3.10 C to read, "All fan coil units and Outside Air Energy Recovery Unit (OAH-1) purchased by the Owner shall be included in the Contractor's one year warranty. Labor for installation of replacement parts furnished under the Vendor's one year warranty shall be included in the Contractor's one year warranty."
3. Refer to specifications section 23 72 13 Outdoor Air Energy Recovery Unit, under 2.2 Manufacturer, paragraph 2.2 B, change "The unit shall be a Munters model number ..." to read "The unit shall be a Daikin model number ..."

REVISIONS TO THE DRAWINGS:

1. Sheet A5 – delete all reference to paint by Owner at finish schedule and details. All new gypsum board work, doors, door frames, and other new work to be painted by Contractor in this contract.
2. Delete drawings M-1-S, M-001, M-002, M-003, M-1-D, M-2-D, M-3-D, M-4-D, M-1-P, M-1-R, M-2-P, M-2-R, M-3-P, M-3-R, M-4-P, and M-4-R; and replace them with the attached M-1-S, M-001, M-002, M-003, M-1-D, M-2-D, M-3-D, M-4-D, M-1-P, M-1-R, M-2-P, M-2-R, M-3-P, M-3-R, M-4-P, and M-4-R.

END OF ADDENDUM

Description HAZMAT SURVEY - LIEBER COLLEGE HVAC REPLACEMENT

Site	COLUMBIA	Assigned To	JPROVENCE
Building	074 LIEBER COLLEGE	Crew	HAZMAT
Floor	Room:	Start Date	Priority 3
Equipment		Due date	22-JUN-16
		Request Date	08-JUN-16 by JABRAMS

Request # FM00520298 **Description** HAZMAT SURVEY - LIEBER COLLEGE HVAC REPLACEMENT**Parent WO #****CP Number** 50002876 **FY16 - E&GMR - LIEBER - INVESTIGATION/REPORT OF HUMIDITY CONTROL****State/Internal Project Number** H27-Z253

Requestor	ABRAMS,JEFF	Project Manager	ABRAMS, JEFFREY R
Telephone	239-8074	Telephone	777-3594
Alternate		Estimated Cost	\$ 1,150.00
Telephone		Billing	FIXED PRICE
Non-Available Time		53200-W258-57120	(FY16-INVESTIGATION & REPORT OF HUMIDITY)

Task List

ERIC, WE HAVE ALLOCATED \$1,150 NOT-TO-EXCEED FOR HAZMAT SURVEY AND ABATEMENT ESTIMATE. THANK YOU, JEFF ABRAMS, JUN 8, 2016.

DATE WORK STARTED	CAUSE
DATE WORK COMPLETED	CONDITION
EQUIPMENT	
CLOSING REMARKS	
BENCHSTOCK MATERIALS	
Qty Description	Price Per Unit

Supervisor's Approval

Note Date	Title
21-JUN-16	HAZMAT SURVEY RESULTS
SURVEY DATE: 6/16/16	
INSPECTOR #: DARRYL WASHINGTON II (BI-00568) AND ERIC MELARO (BI-01296)	
STATUS: SCOPE OF WORK FOR THIS PROJECT CONSISTS OF UPGRADING THE HVAC SYSTEM IN LIEBER COLLEGE THIS INCLUDES (1) CONSTRUCTING A MECHANICAL ROOM TO HOUSE AN AIR HANDLER UNIT ON THE FOURTH FLOOR, (2) ADDING SOFFITS ON THE FIRST AND FOURTH FLOORS, (3) REPLACING FAN COIL UNITS THROUGHOUT THE BUILDING, (4) ADDING VAV BOXES ABOVE THE CEILING IN SOME LOCATIONS, (5) REWORKING CHILL WATER PIPING IN MECHANICAL ROOM 111 AND THROUGHOUT THE BUILDING, (5) REPLACING CEILING TILE, (6) REPLACING THE DORMER WINDOW ON THE SOUTHEAST CORNER OF THE BUILDING WITH A LOUVER, AND (7) CREATING A FRESH AIR SUPPLY DUCT IN THE BUILDING'S CENTRAL CHASE. THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS AND LEAD AND RESULTS FOLLOW.	
ASBESTOS SECTION:	
WHITE MASTIC ON CHILL WATER LINES (MECHANICAL ROOM 111) - POSITIVE FOR ASBESTOS	
12X12 FLOOR TILE AND BLACK MASTIC (4TH FLOOR BREAK ROOM AND CLOSET) - POSITIVE FOR ASBESTOS	
CHILL WATER LINES-DEEMED POSITIVE FOR ASBESTOS	

JOINT COMPOUND (ALL OF THE BUILDING) - NEGATIVE FOR ASBESTOS
SHEETROCK (ALL OF THE BUILDING) - NEGATIVE FOR ASBESTOS
2X2 CEILING TILE- NEGATIVE FOR ASBESTOS
TAN VINYL BASE AND GLUE (4TH FLOOR KITCHEN AND ROOM 402) - NEGATIVE FOR ASBESTOS
PLASTER (ALL OF THE BUILDING EXCEPT ROOM 305) - NEGATIVE FOR ASBESTOS

LEAD SECTION:

OFF WHITE PLASTER PAINT- NEGATIVE FOR LEAD

INSPECTOR'S NOTES:

- ASBESTOS JOINT COMPOUND WAS PREVIOUSLY FOUND ON PLASTER BEHIND SHEETROCK ON THE WEST WALL IN ROOM 305 AND SHOULD NOT BE DISTURBED. AS A RESULT, THE PLASTER WALLS IN ROOM 305 ARE DEEMED POSITIVE FOR ASBESTOS. INSPECTORS LOOKED IN NUMEROUS LOCATIONS IN THE BUILDING AND DID NOT SEE THE SAME SCENARIO. DURING WORK IF THIS IS FOUND IT SHOULD BE TREATED AS POSITIVE AND CONTACT USC HAZMAT TEAM FOR ASSISTANCE.
- ROOM 402 APPEARS TO HAVE CARPET OVER WOODEN FLOORING WITH YELLOW AND GREEN GLUE. IF WOOD WILL BE REMOVED AND ANY SUSPECT FLOORING IS DETECTED BELOW, STOP WORK AND CALL USC HAZMAT INSPECTORS TO PERFORM ADDITIONAL TESTING.
- SOIL IN THE CRAWL SPACE OF THE BUILDING IS PRESUMED POSITIVE FOR ASBESTOS, AND POLY SHOULD BE LAID IN THIS SPACE FOR CONTRACTOR ACCESS.
- ASBESTOS 9X9 FLOORING AND BLACK MASTIC HAS BEEN DETECTED UNDER WOOD FLOORING IN THIS BUILDING.
- ALL UNDERGROUND LINES SHALL BE DEEMED POSITIVE UNTIL ANALYTICAL RESULTS CONFIRM OTHERWISE.
- INSPECTORS CHECKED INTERIOR OF MANY OF THE FAN COIL UNITS IN THE BUILDING AS WELL AS MECHANICAL ROOM 111 AND THE CENTRAL CHASE AND IT APPEARS THAT THE COPPER LINES ARE INSULATED WITH BLACK FOAM INSULATION WITH NO SUSPECT MASTIC.
- OFF WHITE PAINT WAS PREVIOUSLY TESTED ON THE SHEETROCK IN THE BUILDING AND IS NEGATIVE FOR LEAD.
- NO SUSPECT GLAZING OR CAULK WAS OBSERVED ON THE DORMER WINDOW THAT WILL BE REMOVED.

IF YOU ENCOUNTER ANY OTHER MATERIALS IN PLACE AND DEEM THEM SUSPECT FOR ASBESTOS AND/OR LEAD, PLEASE STOP WORK AND CONTACT THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING OR ABATEMENT.

PLEASE NOTE THAT THE MATERIAL QUANTITY PROVIDED ON THE FIELD SHEET IS ONLY AN ESTIMATE FOR SAMPLING PURPOSES. THE QUANTITY SHOULD BE FIELD VERIFIED FOR ALL OTHER PURPOSES INCLUDING ABATEMENT.

REFER TO THE SURVEY RESULTS ATTACHED TO THE WORK ORDER FOR DETAILED INFORMATION.

09-SEP-16 ASBESTOS SUMMARY FOR LIEBER COLLEGE (074) – SEPTEMBER 2016

ASBESTOS HAS BEEN FOUND IN THIS BUILDING. IF DISTURBED, ASBESTOS MAY BE HARMFUL TO YOUR HEALTH.

PLEASE DO NOT DISTURB THE FOLLOWING MATERIALS IN THIS BUILDING AS THEY HAVE BEEN FOUND TO CONTAIN ASBESTOS.

- SKIM COAT ON PLASTER (ROOM 305)
- FLOOR TILE
- BLACK MASTIC UNDER FLOOR TILE
- RESIDUAL BLACK MASTIC ON FLOORING
- WHITE MASTIC ON PIPE INSULATION

IF A BUILDING MATERIAL IS NOT LISTED, DO NOT ASSUME THAT IT DOES NOT CONTAIN ASBESTOS. IT MAY NOT HAVE BEEN TESTED.

FOR FURTHER INFORMATION, PLEASE CONTACT THE USC HAZMAT PROGRAM.

University of South Carolina
Pre Bid Sign In Sheet
 Columbia, South Carolina

Project Name: USC Lieber College HVAC Renovations
 Project Number: H27-2313
 Pre Bid Date & Time: October 25, 2017 10:00 AM

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes No	Juaquana Brookins	USC	1300 Pickens Street, Columbia SC 29208	803.777.3596	jbrookins@fmc.sc.edu
Yes No	Jeff Gorman	W.D. Blackstone Hlth. Inc.	1841 5th St. Columbia, SC 29204	803.255.8221	JeffGorman@WDBlackstone.com
Yes No	Robert Waise	Came Company	307-2004 Came Company, Inc. W. Co. S	803-255-6029	Robert Waise @ Came company . C
Yes No	Danny Wilds	MDI	4407 Broad River Rd., Colo.	731.9834	danny wilds: 933rd. com
Yes No	J.S. Tate	WTS	1316 Washington St. Columbia, SC 29204	803-730-7014	statetowatson@tatesupply.com
Yes No	Ty Russell	LPC	700 Pendleton St. Colo, SC 29208	240-2092	tyrussell@fmc.sc.edu
Yes No	Nolan Westbury	USC	514 S. MAIN ST. COLA. SC 29208	777-7237	Nolan@SC.EDU
Yes No	Tim Bedenbaugh	JCI	14 Woodcross Dr. Colo	429.2025	timothy.lee.bedenbaugh@jci.com
Yes No	James Sherry	USC	1520 Devine St	777-5719	Jsherry@maxbox.sc.edu

***By signing this sheet you agree to receive information electronically.

University of South Carolina
Pre Bid Sign In Sheet
 Columbia, South Carolina

Project Name: USC Lieber College HVAC Renovations
Project Number: H27-2313
Pre Bid Date & Time: October 25, 2017 10:00 AM

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes No	Joe Land	Land Eng'g	Calais, SC 29810 262 Sandhurst Rd	803 528-1437	Joe.Land.LEA@SC-M.com
Yes No	JEFF ABRAMS	USC	1300 PICKENS	803 239-8074	JABRAMS@ FMC.SC.EDU
Yes No					
Yes No					
Yes No					
Yes No					
Yes No					
Yes No					
Yes No					
Yes No					

***By signing this sheet you agree to receive information electronically.



Project Number: 1704

Date: 15 JULY 2016

Revisions:

NO.	ISSUED FOR	DATE

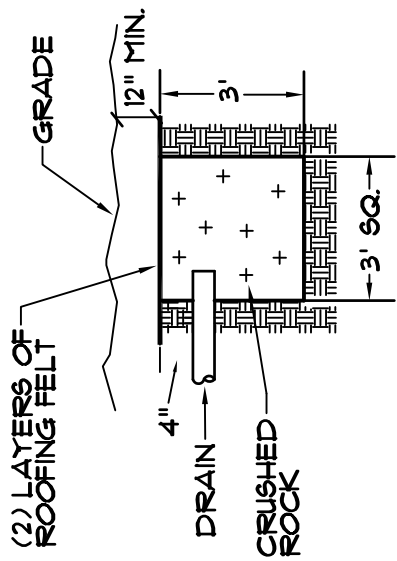
Mechanical
Site Plan

NOTES

- DO NOT SCALE DRAWINGS. VERIFY ALL REQUIRED INFORMATION IN FIELD BY VISITING SITE PRIOR TO SUBMITTING BID.
- DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED. DUCT SIZES SHOWN ON DRAWINGS ARE INTERIOR DIMENSIONS.
- WHENEVER THE WORD "PROVIDE" IS USED IT SHALL MEAN FURNISH AND INSTALL COMPLETE AND READY FOR USE.
- ALL MATERIALS CALLED FOR TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. ANY ITEM THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE OF WORK.
- PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
- PIPING SYSTEMS SHALL BE DRAINED AS REQUIRED FOR INSTALLATION OF WORK.
- PROVIDE FOR ACCESS TO ALL MECHANICAL ITEMS REQUIRING CLEANING OR ADJUSTMENT.
- PIPING SHALL BE KEPT CLEAN OF DEBRIS DURING INSTALLATION.
- PROVIDE GLASSFAB AND MASTIC ON ALL DUCT INSULATION. SEE SPECIFICATIONS. DUCT TAPE WILL NOT BE ACCEPTED.
- PROVIDE 1/2" TRAP FOR ALL CONDENSATE DRAINS. PROVIDE INSULATED DRAIN LINES FROM ALL DRAIN CONNECTIONS.
- INSTALLATION OF EQUIPMENT, DUCTWORK, AND PIPING, INCLUDING VIBRATION ISOLATION SHALL COMPLY WITH 2015 INTERNATIONAL BUILDING CODE FOR SEISMIC PROTECTION. SEE SPECIFICATIONS.

SYMBOLS

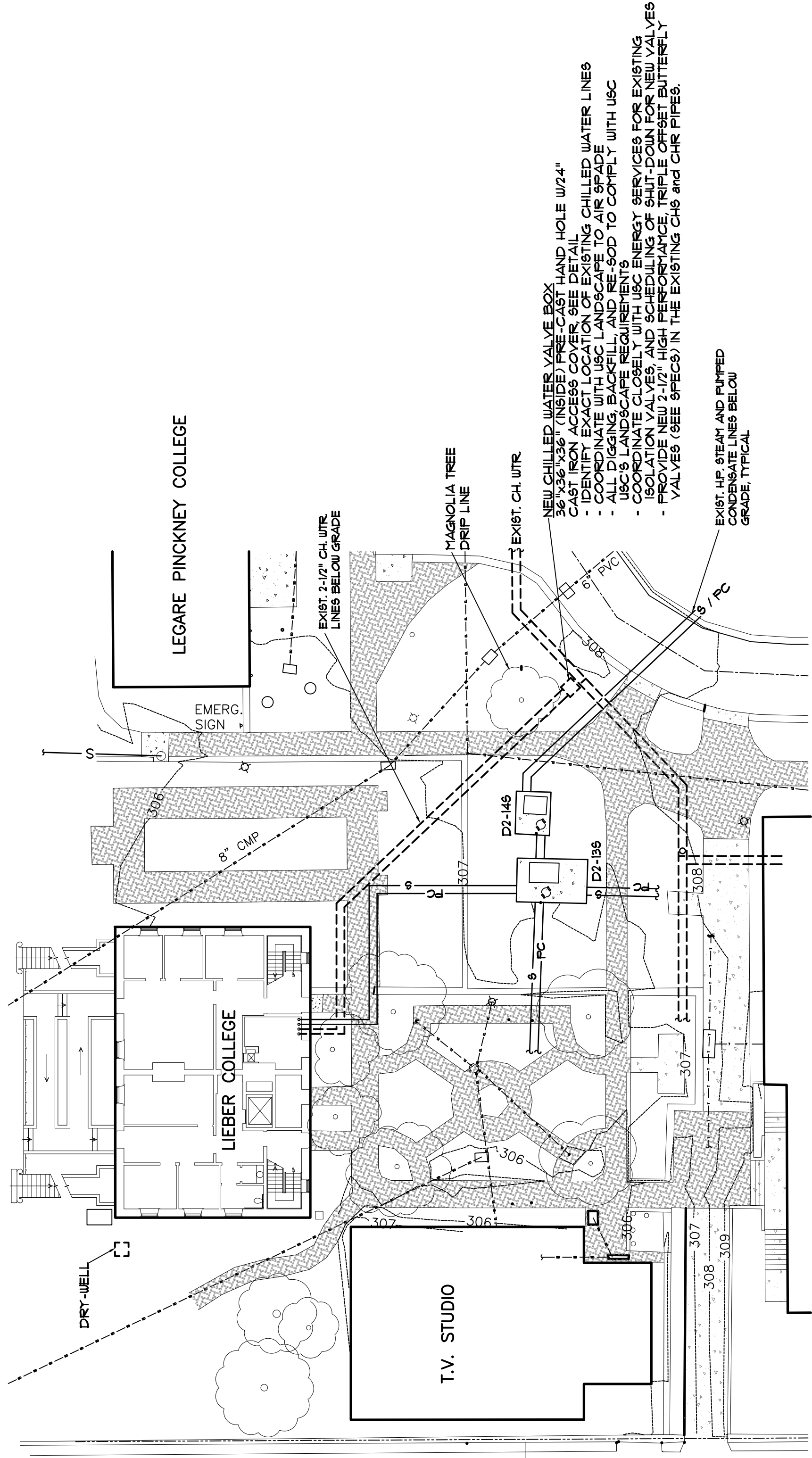
	FLEXIBLE DUCT (6 FT. MAX. LENGTH)
	EXISTING MATERIALS
	NEW MATERIALS
	REMOVE MATERIALS
	RIGID ROUND RUNOUT DUCT
	AIR FLOWRATE, CUBIC FEET PER MINUTE
	UL RATED FIRE DAMPER
	UL RATED FIRE/SMOKE DAMPER
	GRILLE OR DIFFUSER MARK, BALANCING CRF
	THERMOSTAT
	EXISTING CHILLED WATER SUPPLY
	EXISTING CHILLED WATER RETURN
	EXISTING HOT WATER SUPPLY
	EXISTING HOT WATER RETURN
	EXISTING LOW PRESSURE STEAM
	EXISTING STEAM CONDENSATE
	NEW CHILLED WATER SUPPLY
	NEW CHILLED WATER RETURN
	NEW HOT WATER SUPPLY
	NEW HOT WATER RETURN
	BALL VALVE IN PIPES 2" AND SMALLER
	BUTTERFLY VALVE IN PIPES 2-1/2" AND LARGER
	FLOW CONTROL VALVE
	GLOBE VALVE
	PIPE TURNING DOWN
	CONNECT TO EXISTING



DRY WELL

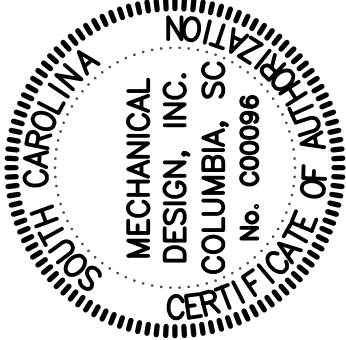
NOT TO SCALE

- DRYWELL DIGGING NOTES:
- CONTACT PIPES AND COORDINATE LOCATION OF EXISTING UTILITIES
 - CONTACT AND COORDINATE WITH USC IN-HOUSE FACILITIES
 - CONTACT AND COORDINATE WITH USC LANDSCAPE ARCHITECTS
 - EXACT LOCATION SHALL BE AS DIRECTED BY USC PROJ. MANAGER



MECHANICAL SITE PLAN

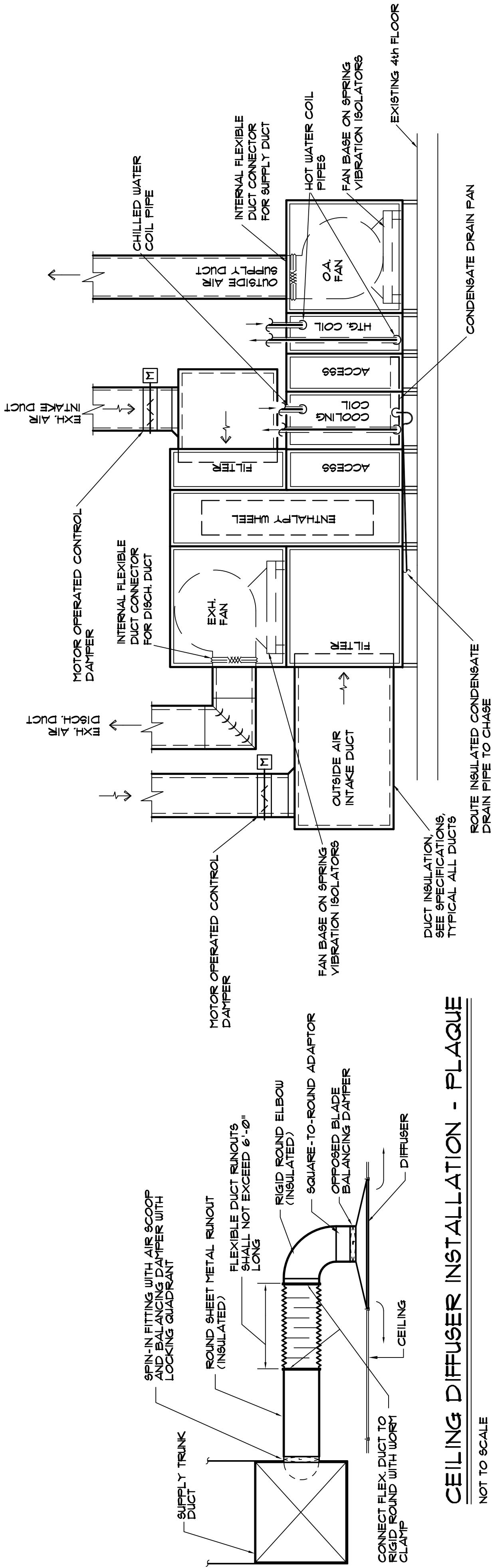
APPROX. SCALE: 1" = 20'



MECHANICAL
DESIGN
INC.

4409 Broad River Road
Columbia, SC 29210
(803) 731-9834
(803) 731-9837 FAX

CONTACT: Danny Wilds
COMM. NO. 163277



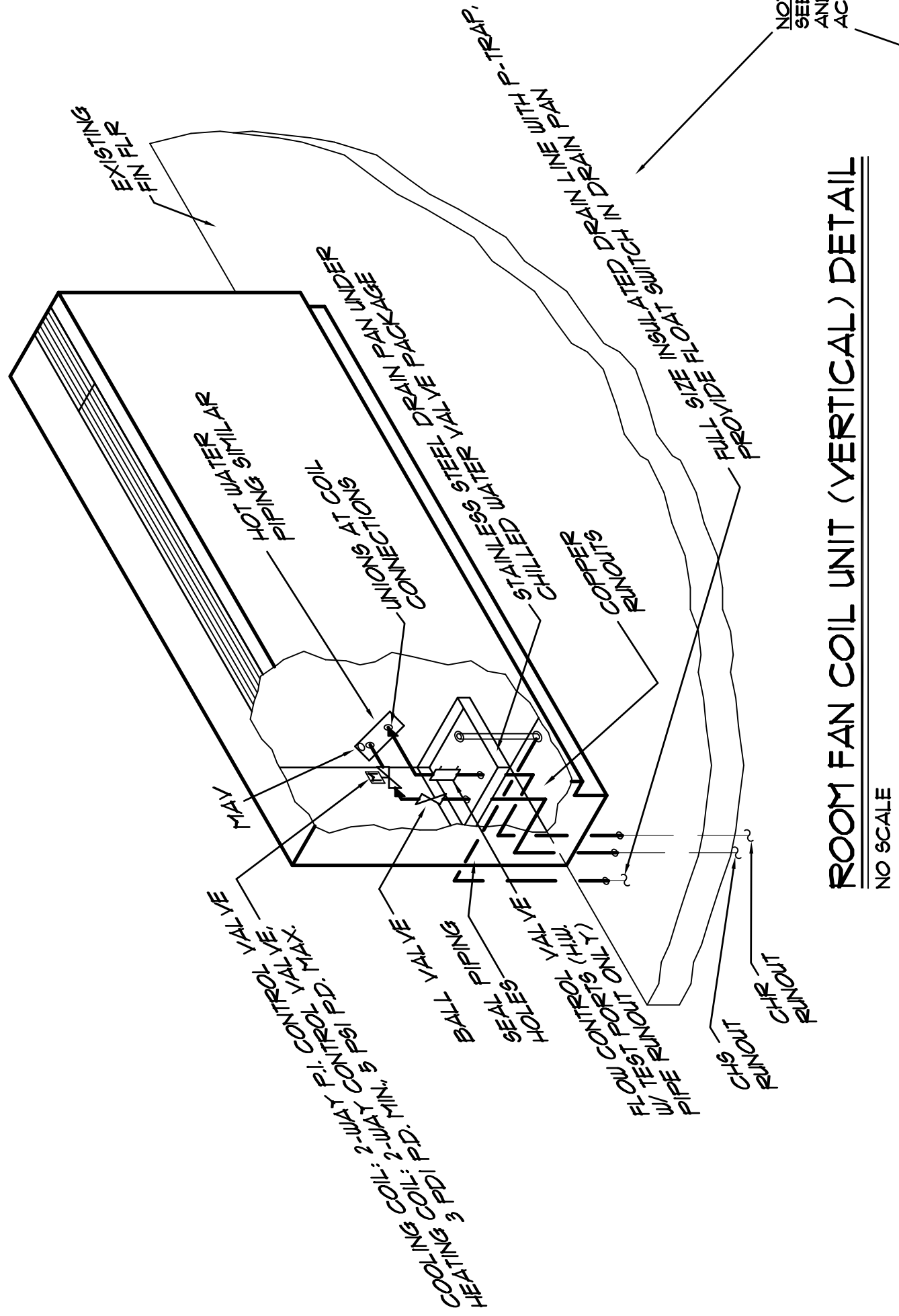
CEILING DIFFUSER INSTALLATION - PLAQUE

NOT TO SCALE

PIPE THRU FIRE RATED ASSEMBLY DETAIL

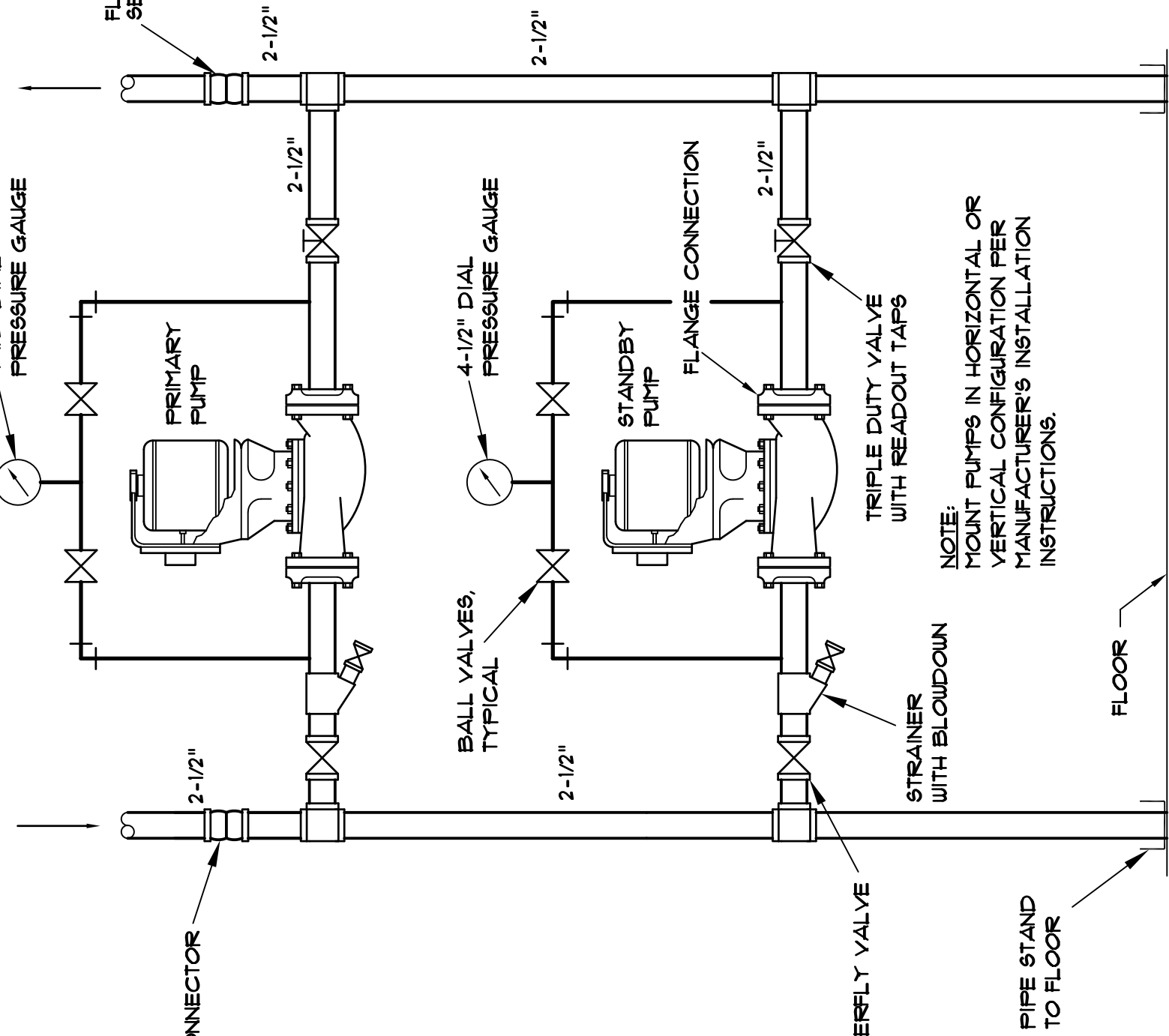
NO SCALE

NOTE:
CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS/DATA SHEETS FOR UL RATED PIPE PENETRATIONS FOR REVIEW. FAILURE TO COMPLY PRIOR TO INSTALLATION OF CAULKING MATERIALS SHALL REQUIRE THE REMOVAL AND REPLACEMENT OF MATERIALS WITH SPECIFIED PRODUCTS.



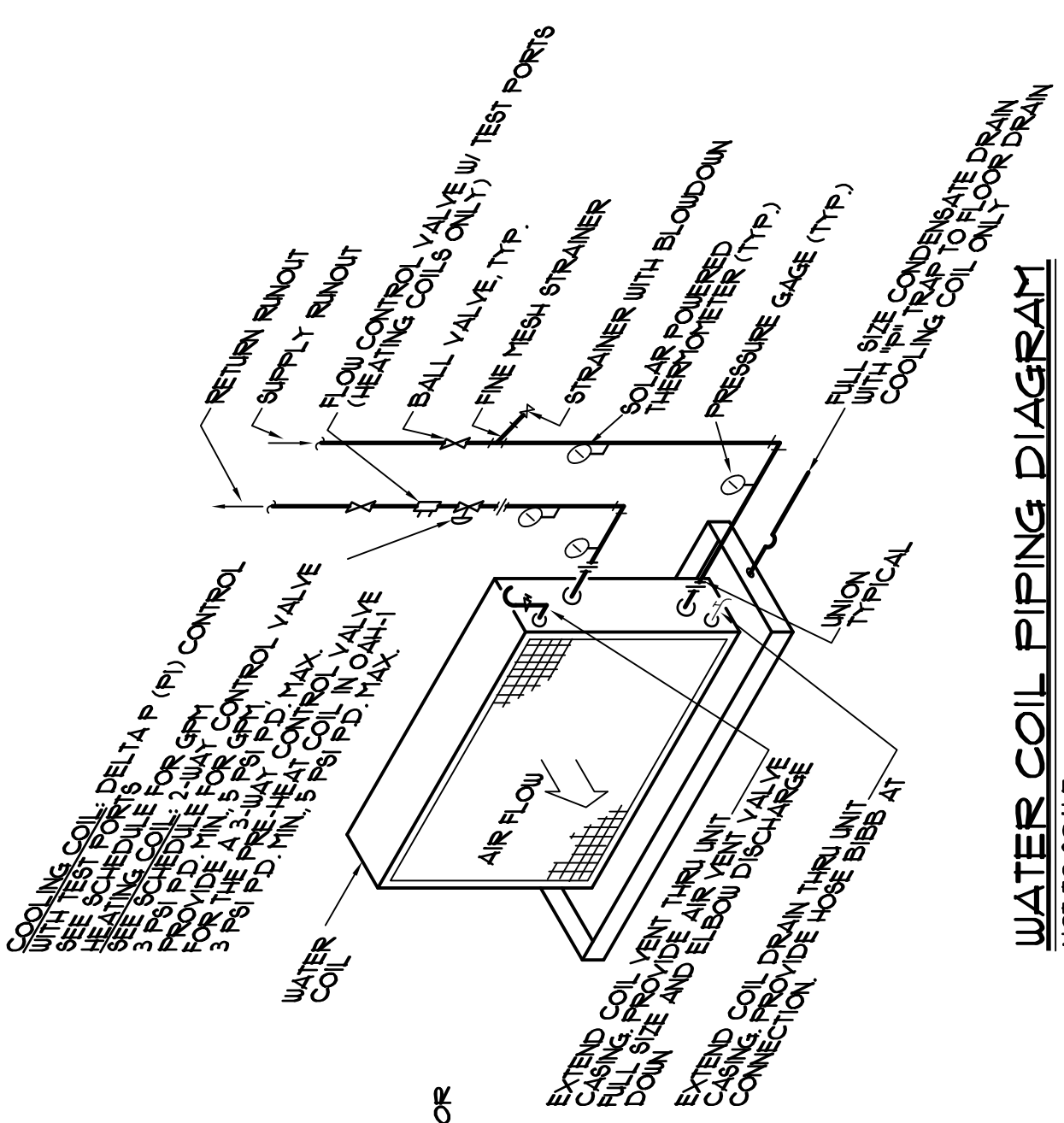
ROOM FAN COIL UNIT (VERTICAL) DETAIL

NO SCALE



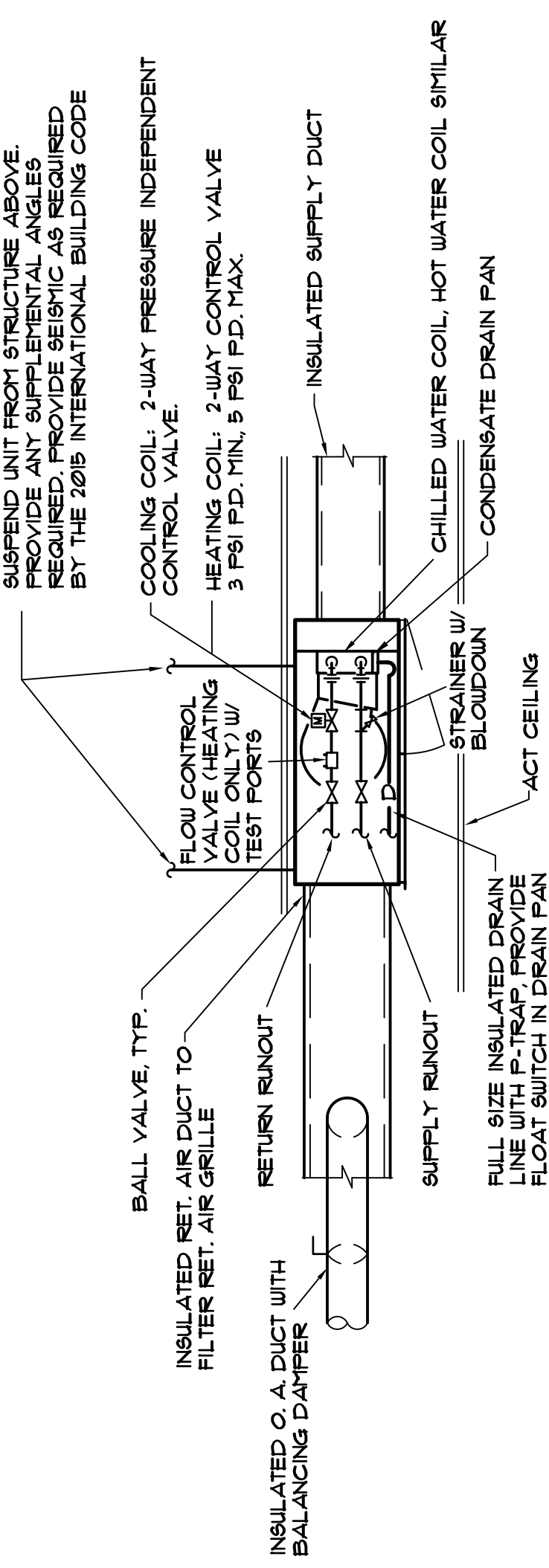
PUMP DETAIL

NOT TO SCALE



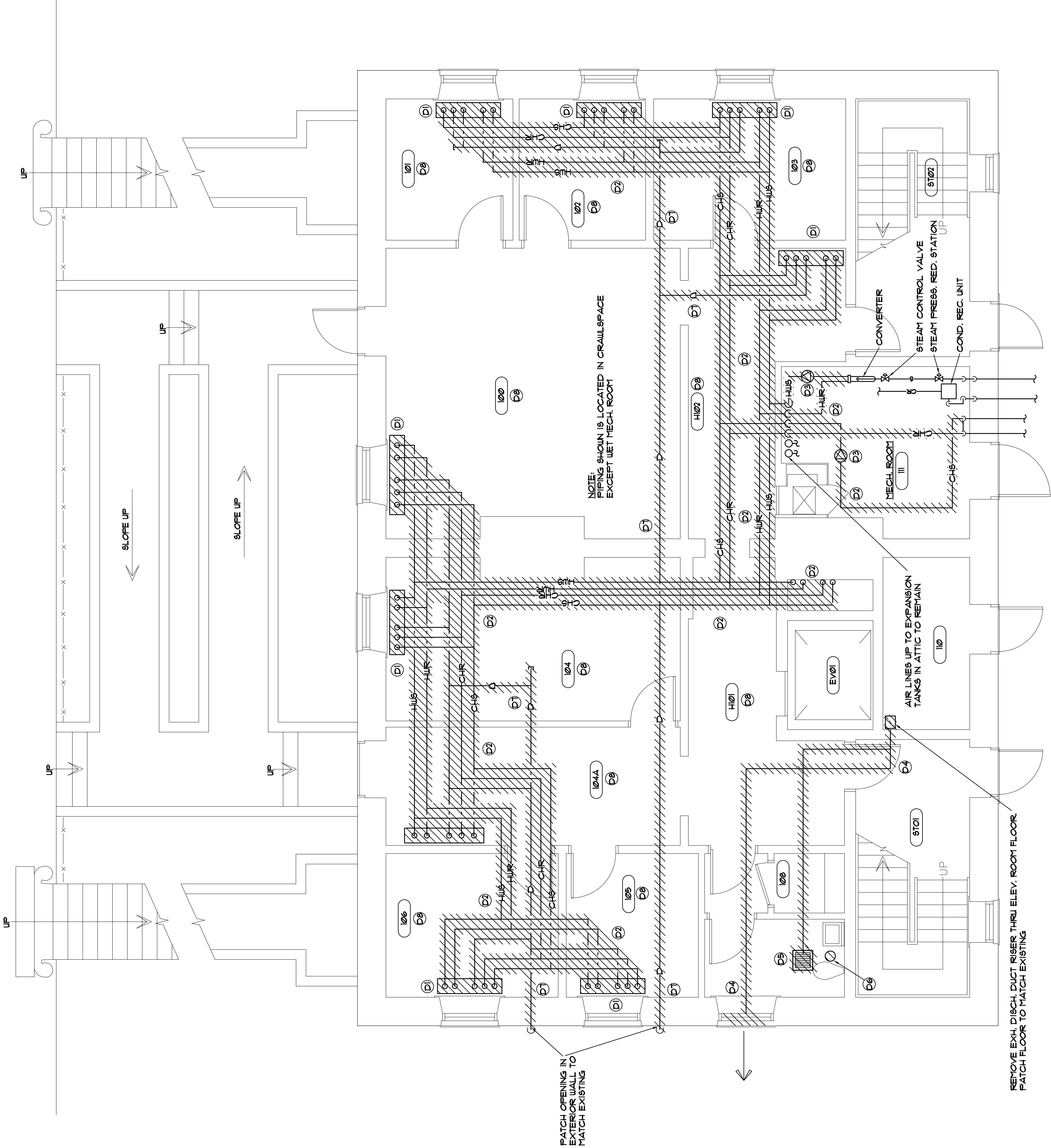
WATER COIL PIPING DIAGRAM

NOT TO SCALE



FAN COIL UNIT (HORIZONTAL) DETAIL

NOT TO SCALE



FIRST FLOOR HVAC DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

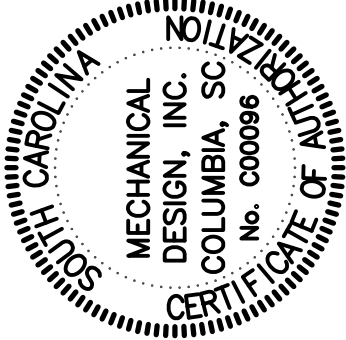
DEMOLITION NOTES	
D1	REMOVE FAN COIL UNIT SHOWN AS HATCHED COMPLETE INCLUDING ASSOCIATED HOT AND CHILLED WATER PIPE RUNOUTS, POWER (SEE ELECTRICAL), CONTROLS, AND SUPPORTS. PATCH HOLES IN FLOOR, REPAIR WALLS AND FLOORS, SEE ARCHITECTURAL.
D2	REMOVE HOT AND CHILLED WATER PIPING SHOWN HATCHED COMPLETE INCLUDING HANGERS AND SUPPORTS.
D3	REMOVE HOT AND CHILLED WATER PUMPS COMPLETE INCLUDING POWER WIRING, CONTROLS, AND SUPPORTS. (TYP. OF 4 PUMPS).
D4	REMOVE EXH. DUCT FROM LOUVER COMPLETE INCLUDING HANGERS AND SUPPORTS. REMOVE LOUVER AND REPLACE AS NOTED ON RENOVATION PLAN AND SPECIFICATIONS.
D5	REMOVE EXH. FAN COMPLETE COMPLETE INCLUDING POWER, CONTROLS, AND HANGERS. REMOVE EXH. DUCT INDICATED BY HATCHING.
D6	REMOVE CEILING MOUNTED HEAT LAMP COMPLETE INCLUDING WALL MOUNTED THER. SWITCH. REPLACE CEILING TILE.
D7	REMOVE OCCONDENSATE DRAIN LINES COMPLETE INCLUDING HANGERS AND SUPPORTS
D8	REMOVE ACOUSTICAL TILE CEILINGS COMPLETE INCLUDING HANGERS, GRID, AND WALL MOLD. COORDINATE WITH ELECTRICAL SUB FOR MISC. INTERIOR RENOVATIONS PROJECT FOR HANDLING OF LIGHT FIXTURES, EXIT LIGHTS, SPEAKERS, SMOKE DETECTORS, AND ALL OTHER CEILING MOUNTED DEVICES PRIOR TO BEGINNING REMOVAL.



Project Number:	1704	
Date:	15 JULY 2016	
Revisions:		
NO.	ISSUED FOR	DATE

First Floor HVAC
Demolition Plan

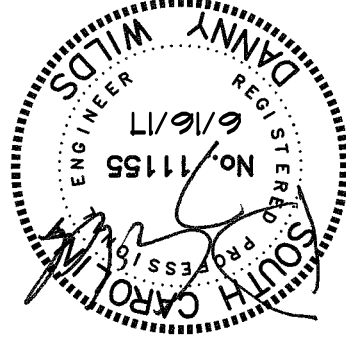
MECHANICAL DESIGN INC.
4409 Broad River Road
Columbia, SC 29210
(803) 731-9834
(803) 731-9837 FAX
CONTACT: Danny Wilds
DATE: 06/16/17
COMM. NO. 163277



LIEBER COLLEGE HVAC RENOVATION

UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC

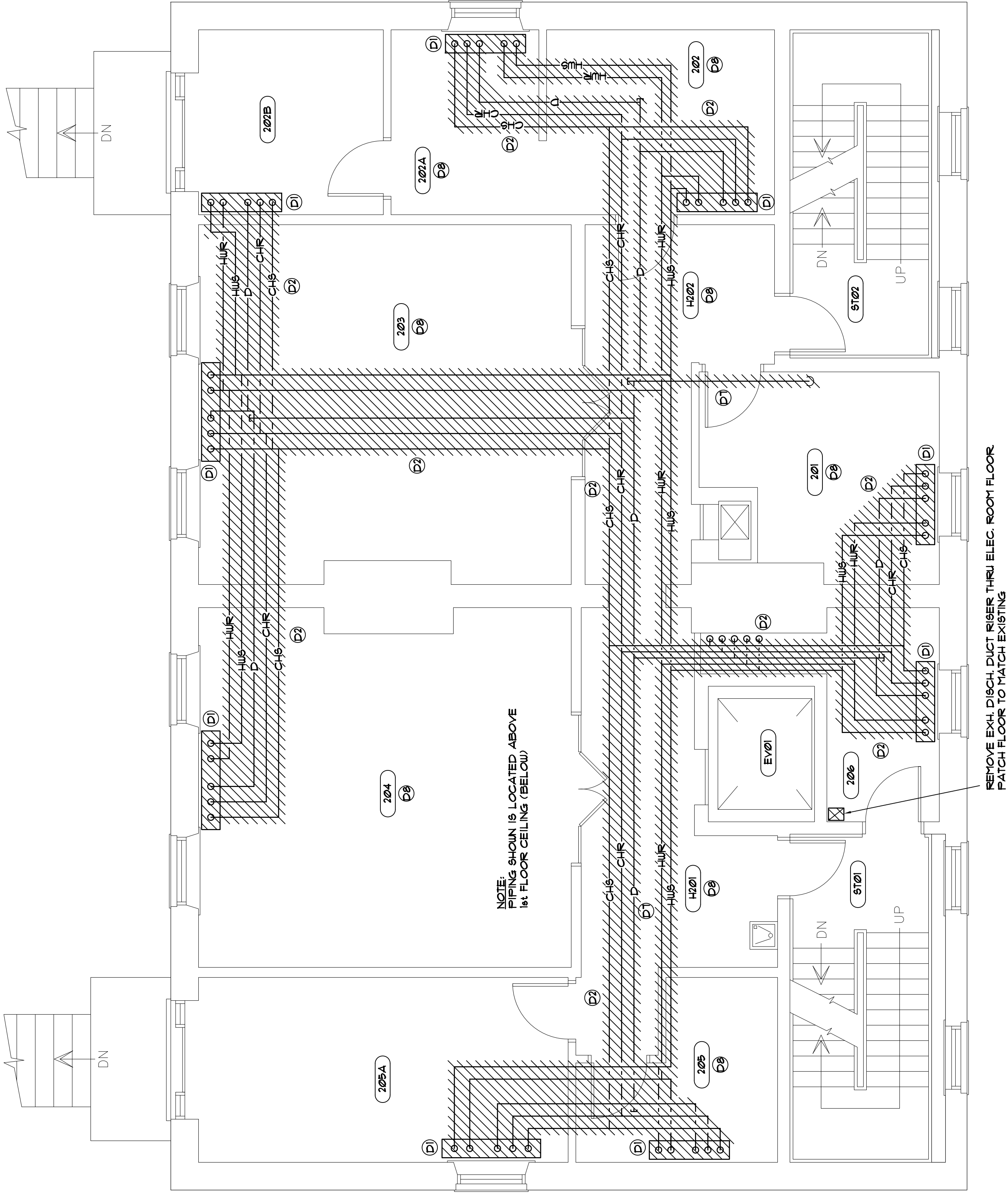
State Project No: H27-Z313

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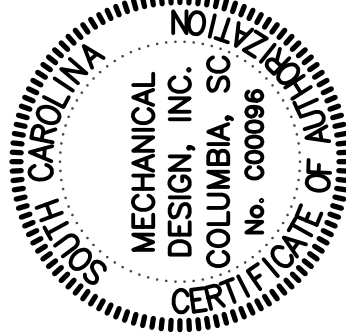
Second Floor HVAC Demolition Plan

M-2-D

CONSTRUCTION DOCUMENTS



SECOND FLOOR HVAC DEMOLITION PLAN



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CONTACT: Danny Wilds

DATE: 06/16/17

COMM. NO. 163277

LIEBER COLLEGE HVAC RENOVATION

UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC

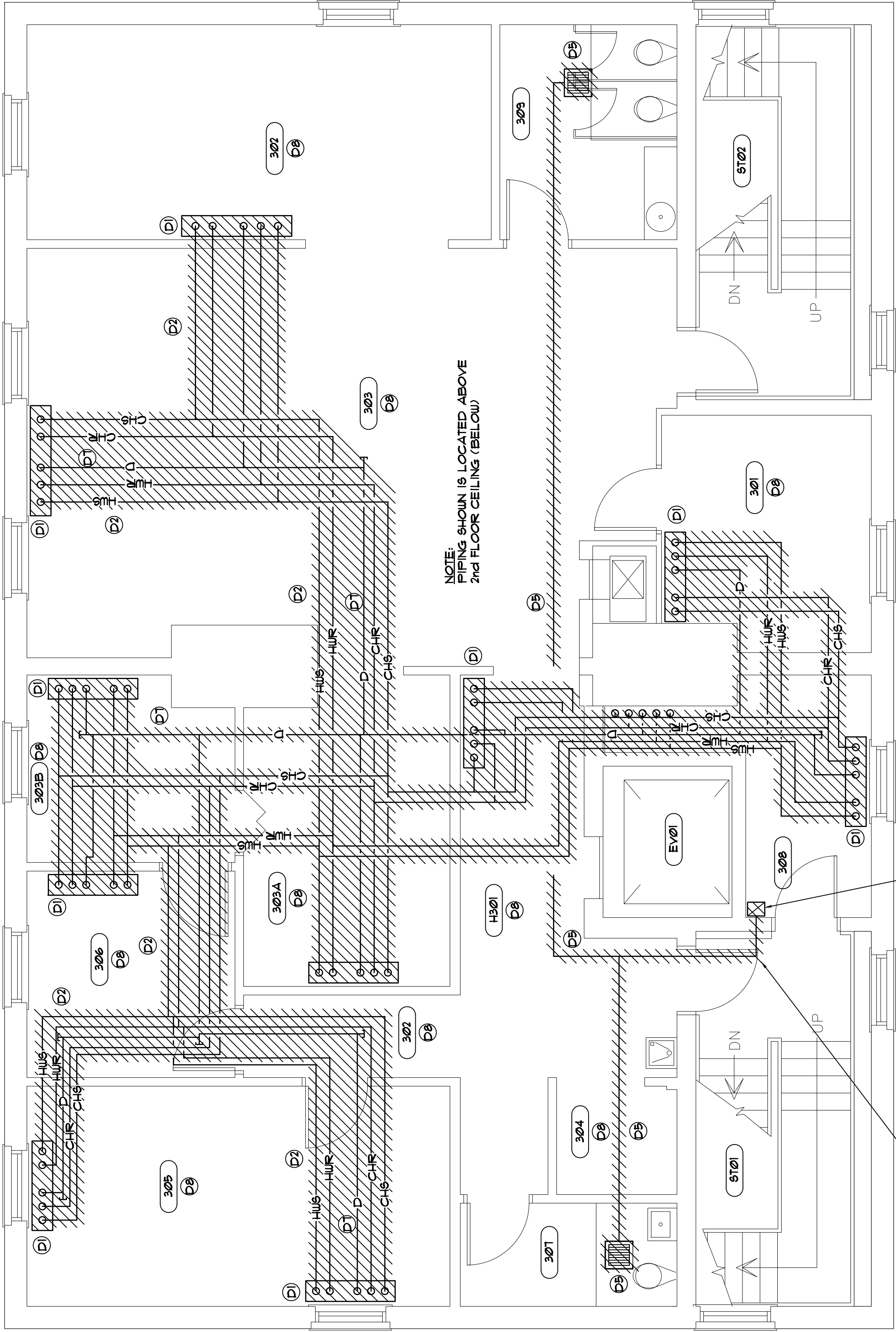
State Project No: H27-Z313

[illegible]

Third Floor HVAC Demolition Plan

M-3-D

CONSTRUCTION DOCUMENTS



NOTE:
PIPING SHOWN IS LOCATED ABOVE
2nd FLOOR CEILING (BELOW)

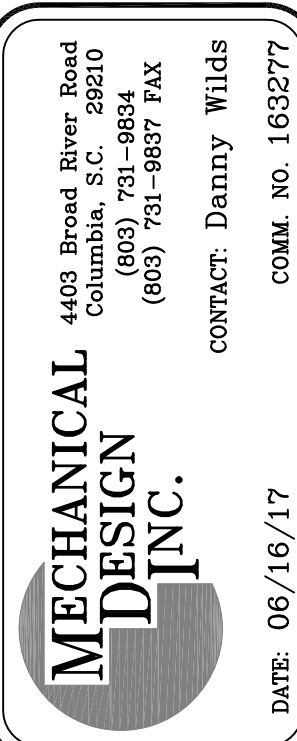
REMOVE EXH. DISCH. DUCT RISER THRU ELEC. ROOM FLOOR
PATCH FLOOR TO MATCH EXISTING

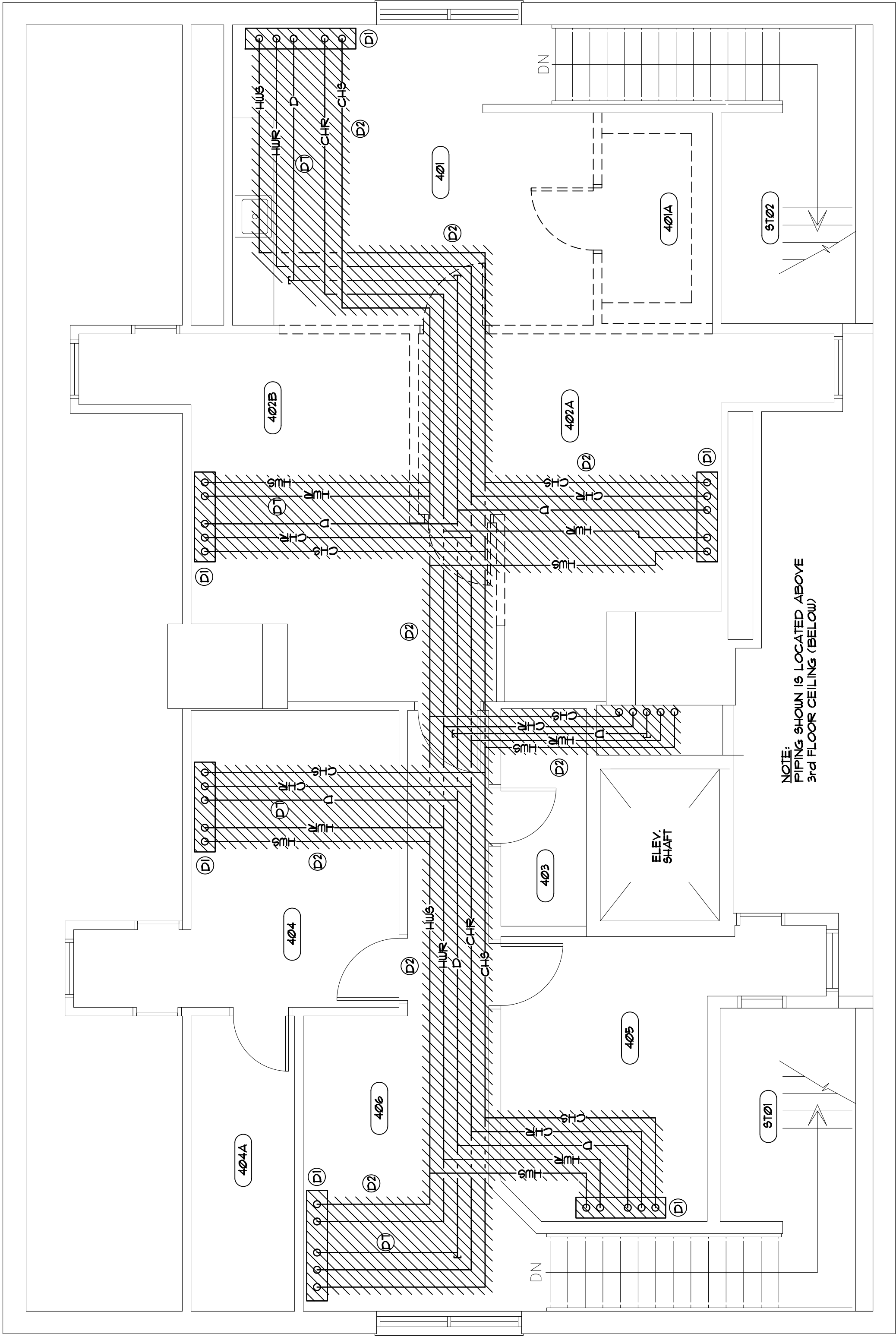
DETERMINE EXACT ROUTING OF EXISTING EXHAUST DUCTS IN THE FIELD



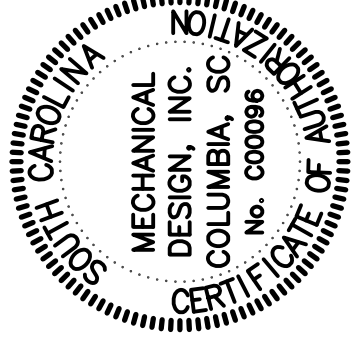
THIRD FLOOR HVAC DEMOLITION PLAN

SCALE: 1/4" = 1'-0"





FOURTH FLOOR HVAC DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



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Fourth Floor
HVAC Demolition
Plan

M-4-D

CONSTRUCTION DOCUMENTS

LIEBER COLLEGE HVAC RENOVATION

UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC

State Project No: H27-Z313



Project Number: 1704

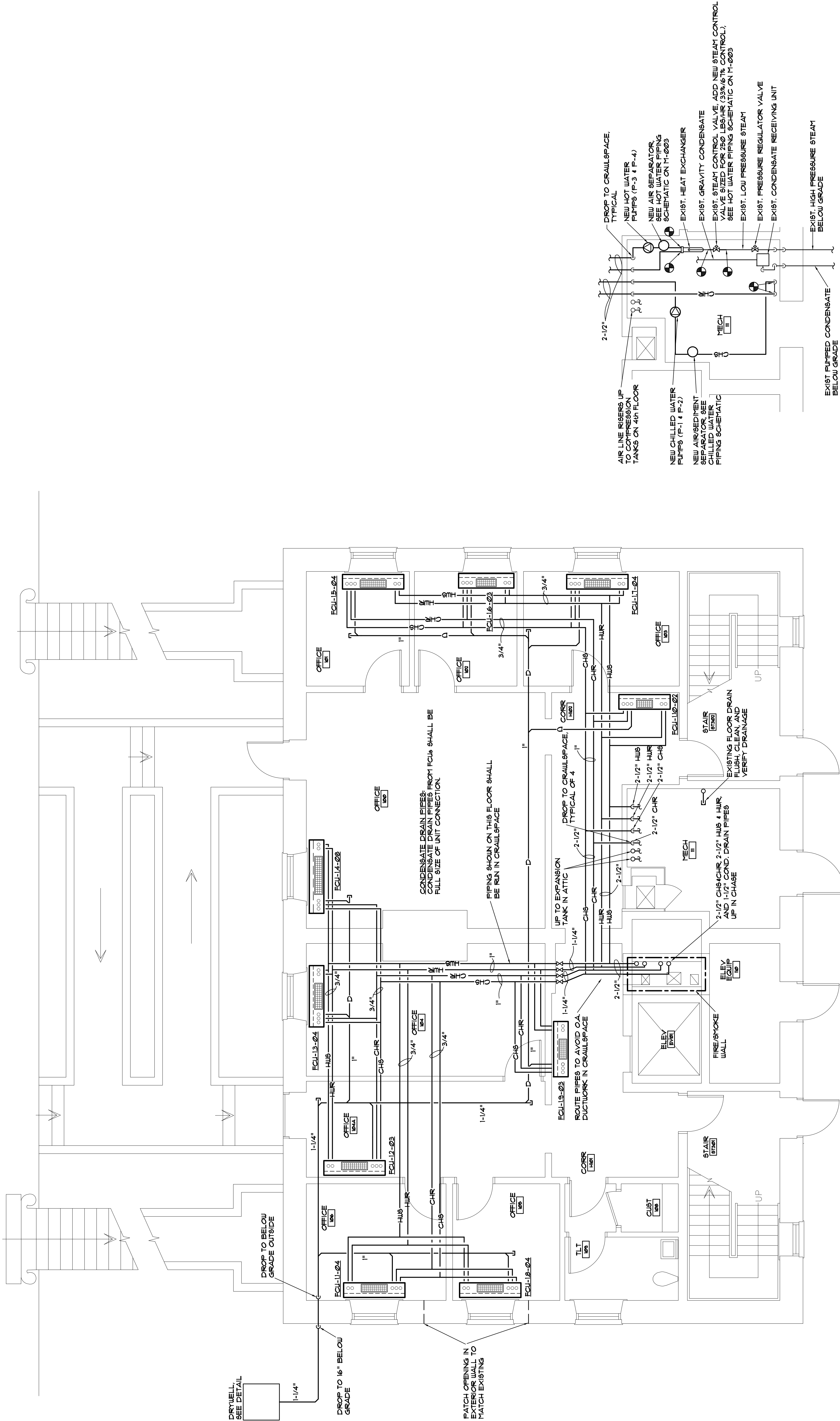
Date: 15 JULY 2016

Revisions:

NO.	ISSUED FOR	DATE

ARCHITECTURE
INTERIORS
PLANNING

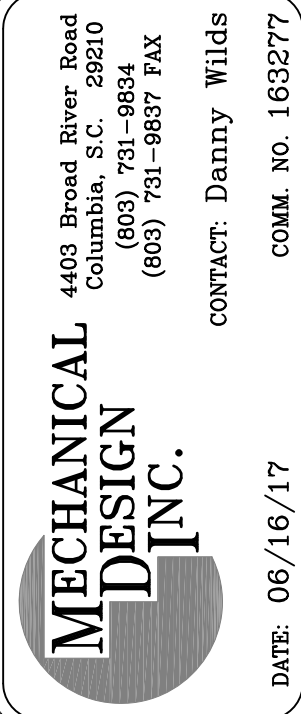
WTS
WATSON TATE SAVORY



 FIRST FLOOR HVAC PIPING PLAN
SCALE: 1/4" = 1'-0"

MECHANICAL ROOM

SCALE: 1/4" = 1'-0"



LIEBER COLLEGE HVAC RENOVATION

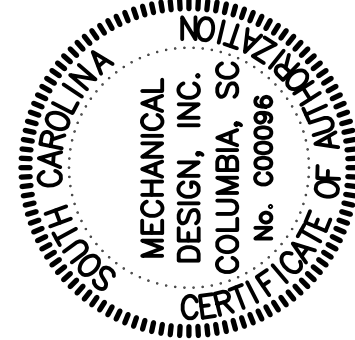
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC
State Project No.: H27-Z313

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FIRST Floor HVAC Ductwork Plan

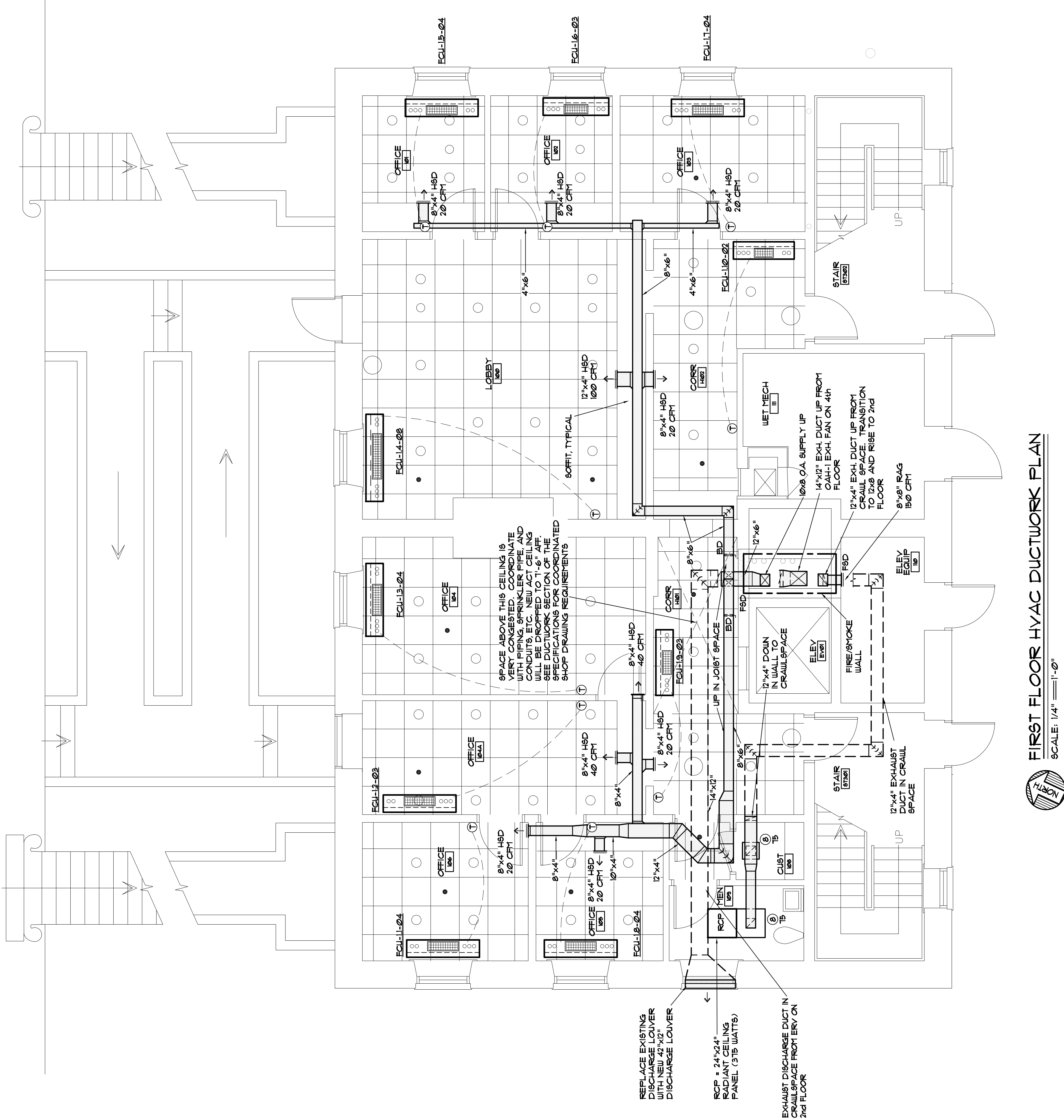
M-1-R

CONSTRUCTION DOCUMENTS

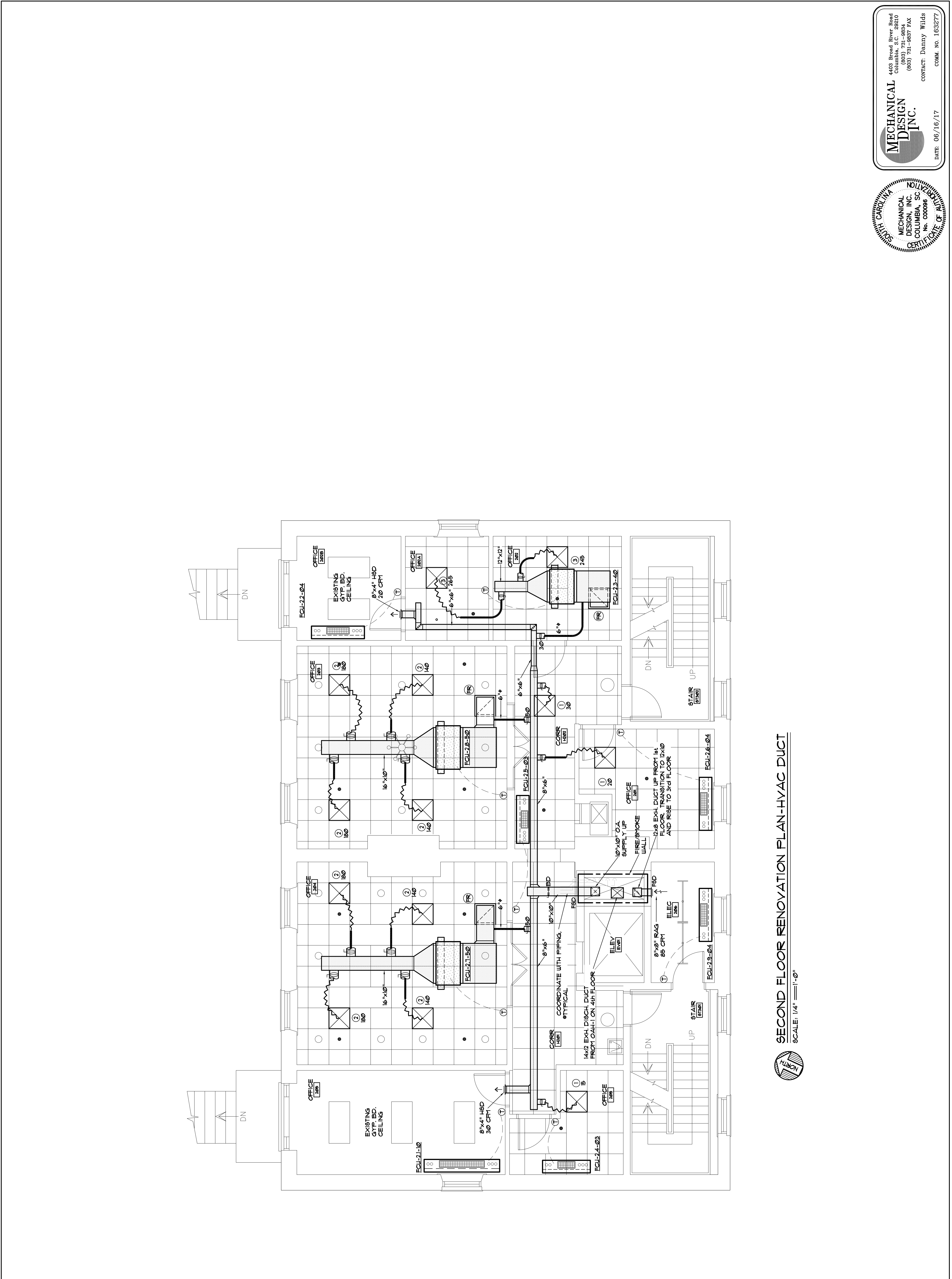


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SPACE ABOVE THIS CEILING IS VERY CONGESTED. COORDINATE WITH PIPING, SPRINKLER PIPE, AND CONDUITS, ETC. NEW ACT CEILING WILL BE DROPPED TO 1'-6" AFF. SEE DUCTWORK SECTION OF THE SPECIFICATIONS FOR COORDINATED SHOP DRAWING REQUIREMENTS



Project Number: 1704

Date: 15 JULY 2016

Revisions:

NO.	ISSUED FOR	DATE

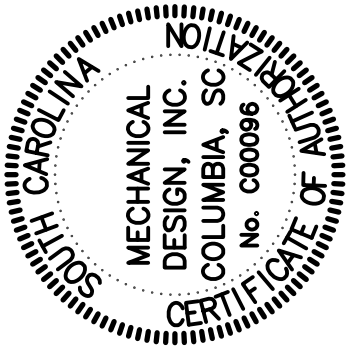
SECOND Floor
HVAC Ductwork
Plan

M-2-R

MECHANICAL DESIGN INC.

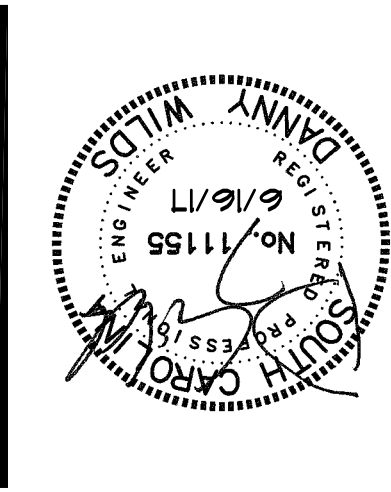
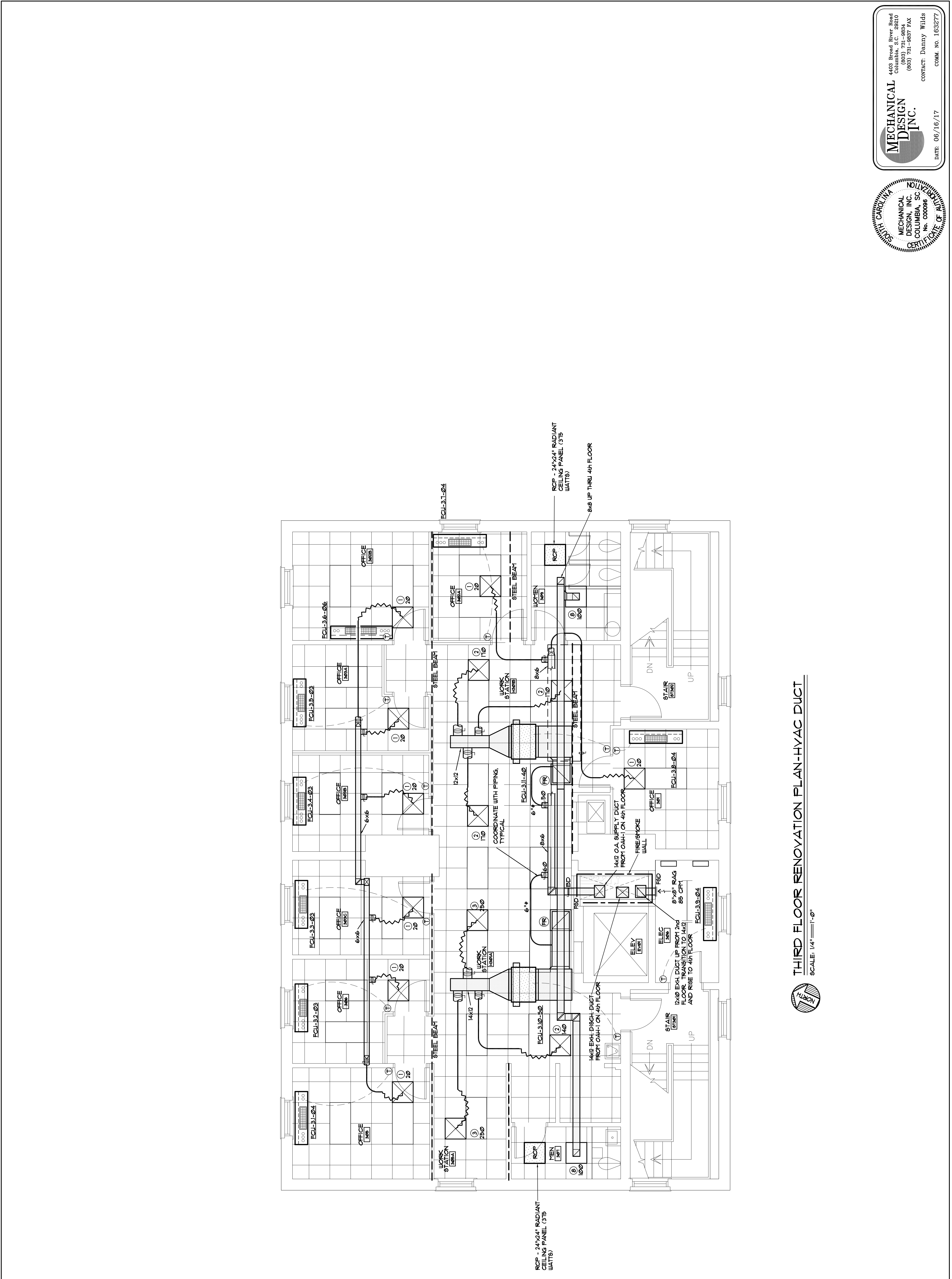
4409 Broad River Road
Columbia, SC 29210
(803) 731-9834
(803) 731-9837 FAX

CONTACT: Danny Wilds
DATE: 06/16/17
COMM. NO. 163277



SECOND FLOOR RENOVATION PLAN-HVAC DUCT

SCALE: 1/4" = 1'-0"



Project Number:	1704	
Date:	15 JULY 2016	
Revisions:		
NO.	ISSUED FOR	DATE

Third Floor

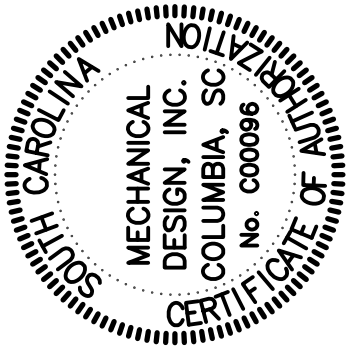
HVAC Ductwork

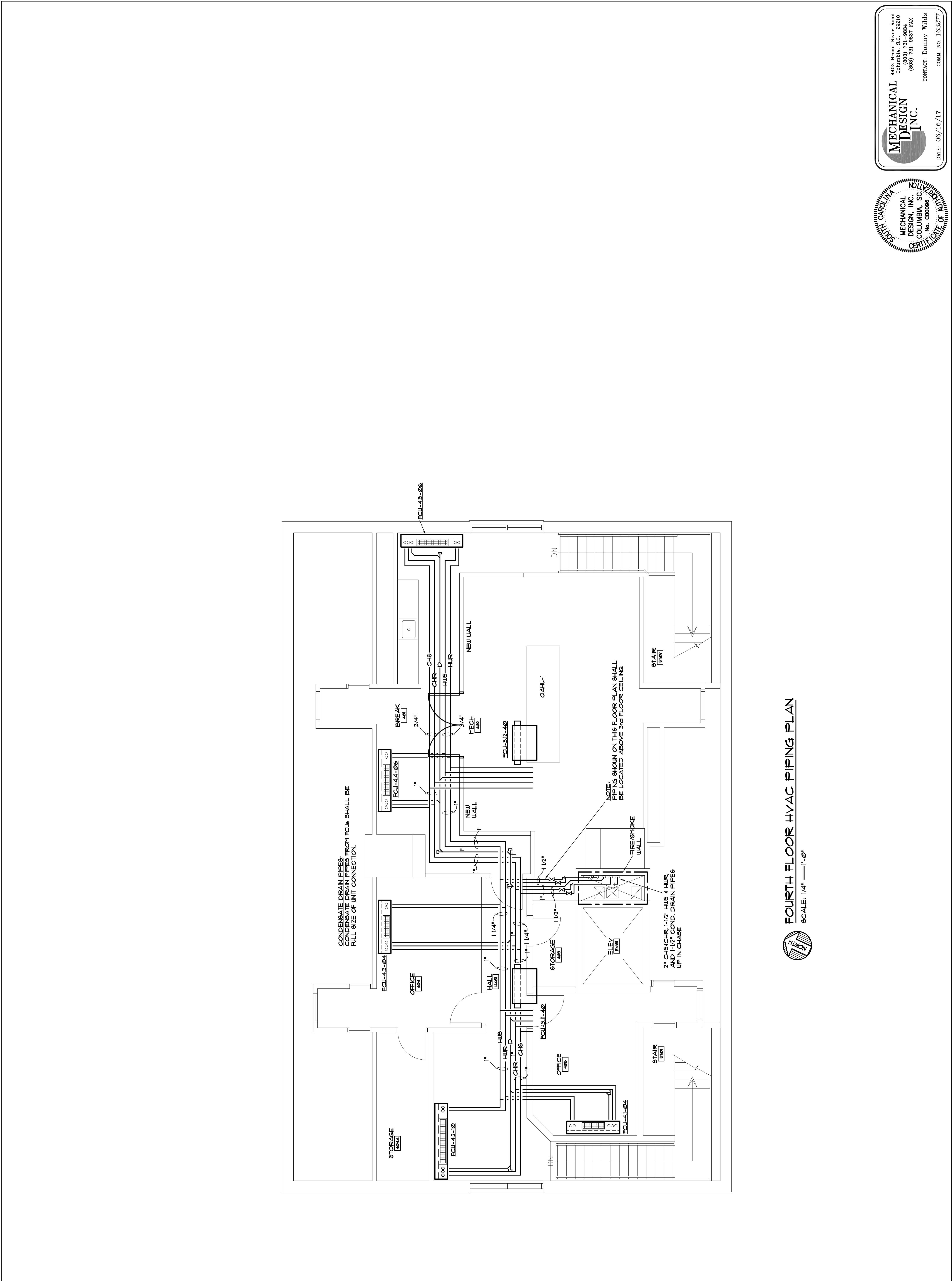
Plan

M-3-R

MECHANICAL
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CONTACT: Danny Wilds
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ARCHITECTURE
INTERIORS
PLANNING

WATSON TATE SAVORY

LIEBER COLLEGE HVAC RENOVATION

UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC
State Project No: H27-Z313



Project Number: 1704
 Date: 15 JULY 2016

Revisions:

NO.	ISSUED FOR	DATE

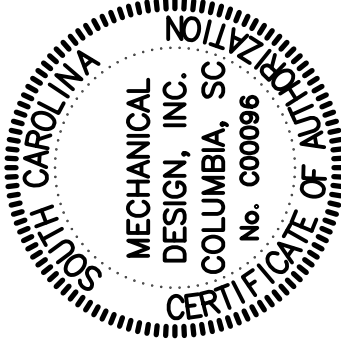
Fourth Floor

HVAC Piping Plan

M-4-P

MECHANICAL
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Project Number:	1704	
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Revisions:		
NO.	ISSUED FOR	DATE

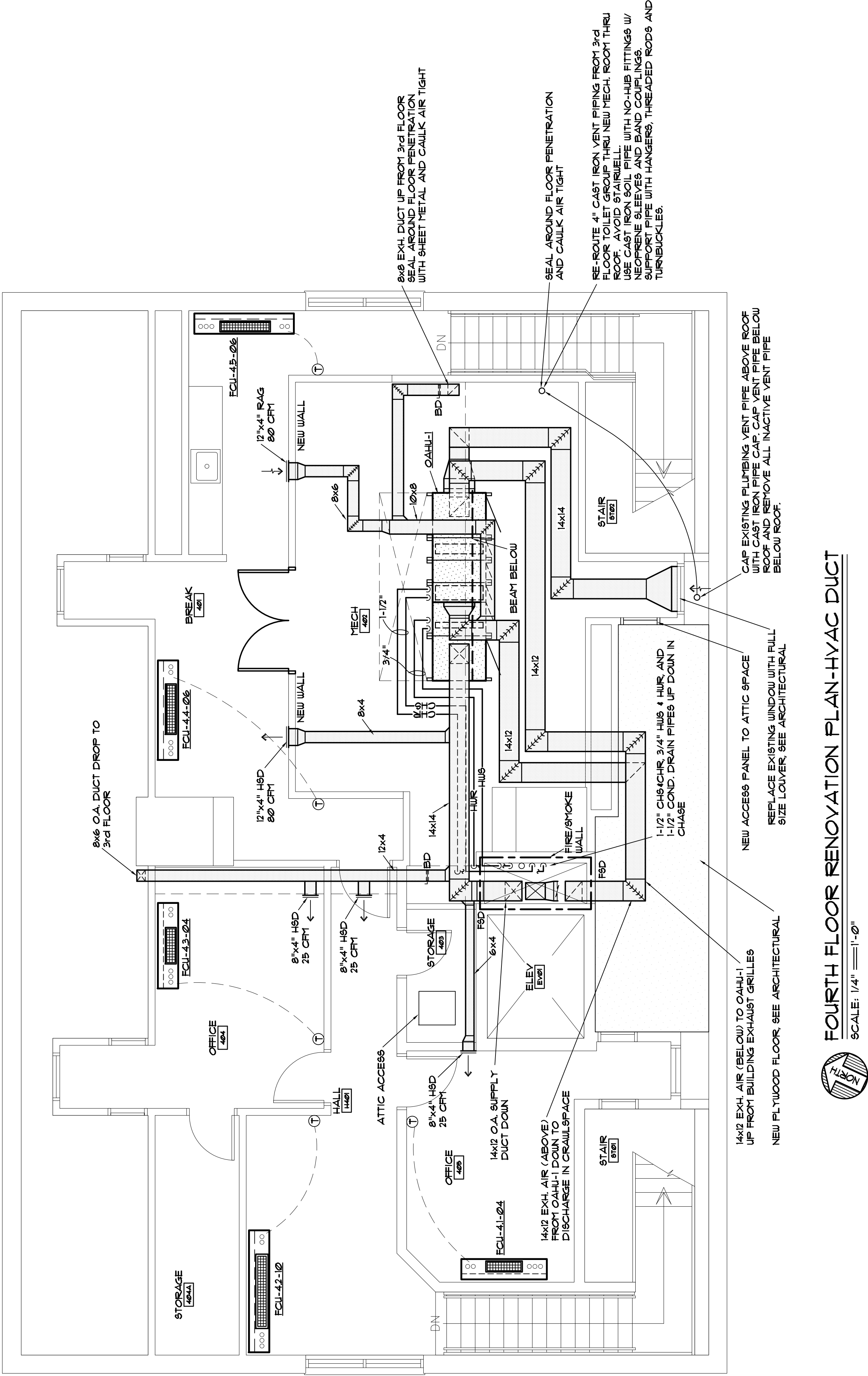
Fourth Floor

HVAC Ductwork

Plan

M-4-R

CONSTRUCTION DOCUMENTS



MECHANICAL
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