

# WESLEYAN UNIVERSITY

MIDDLETOWN, CT

CFA BUILDING "A" REHEARSAL HALL  
AHU REPLACEMENT



**SAREN ENGINEERING, INC.**

270 FARMINGTON AVENUE  
FARMINGTON, CT 06032  
TEL. (860) 678-1799  
FAX. (860) 676-0471

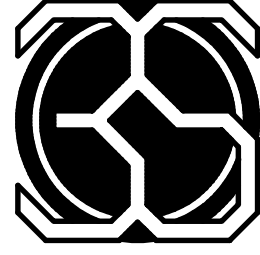
**NOYES VOGT ARCHITECTS**

101 MIDDLESEX AVENUE, SUITE 2A  
P.O. BOX 370  
CHESTER, CONNECTICUT 06412  
TEL: (860) 828-2900  
FAX: (860) 828-8828

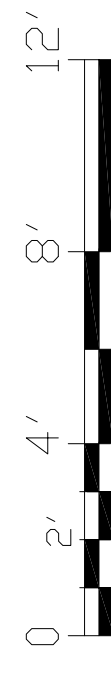
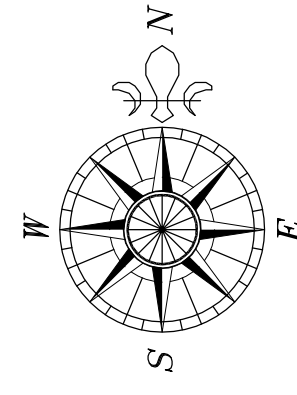
CFA BUILDING "A"  
REHEARSAL HALL  
FEBRUARY 20, 2013

PROJECT	CFA BUILDING "A" REHEARSAL HALL
TITLE	EXISTING DUCTING PLAN
WESLEYAN UNIVERSITY	
AHU REPLACEMENT	

DATE:	02-20-13
SCALE:	1/2" = 1'-0"
DRAWN:	RDC
CHECKED:	RJG
JOB No.:	11-120

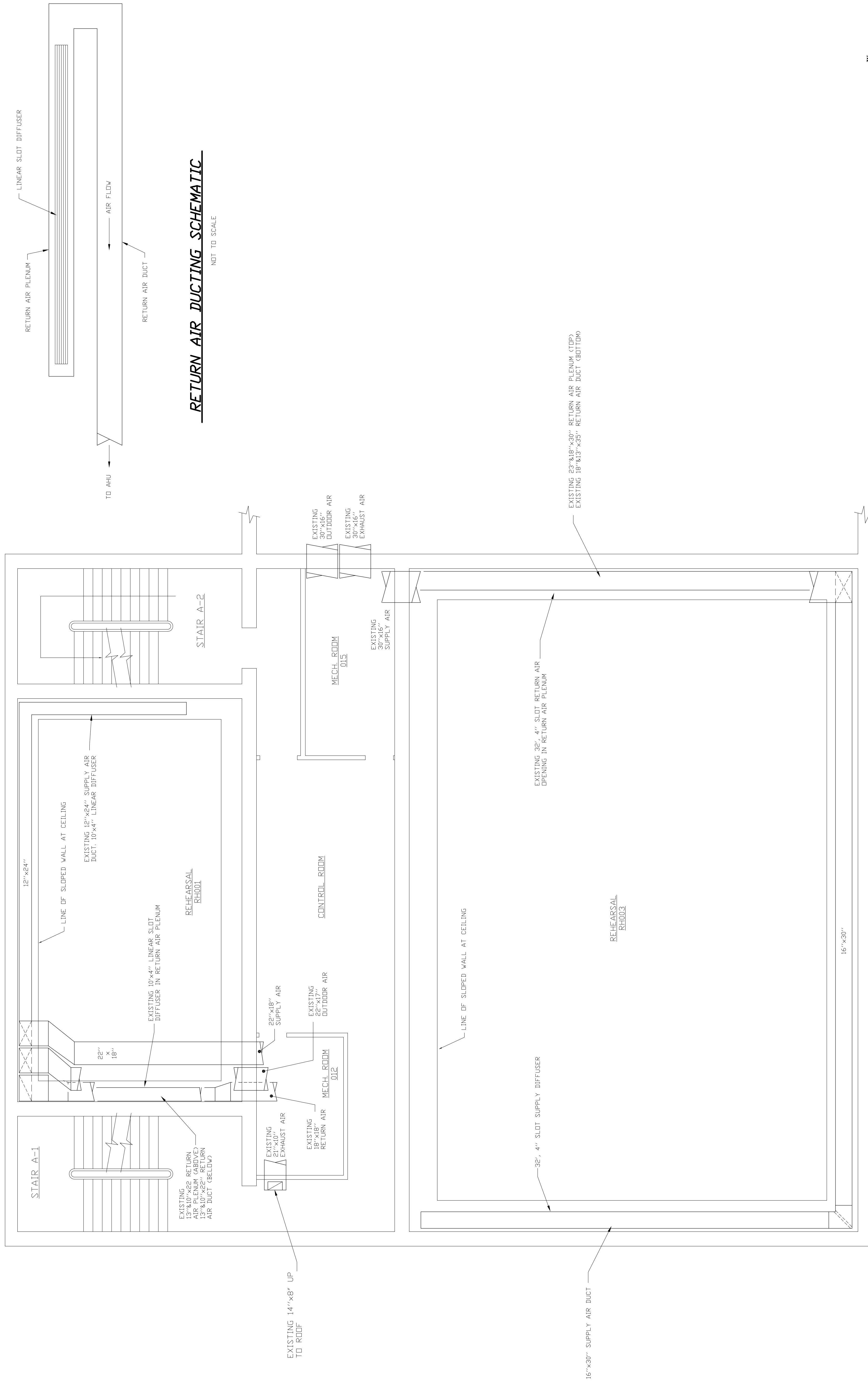


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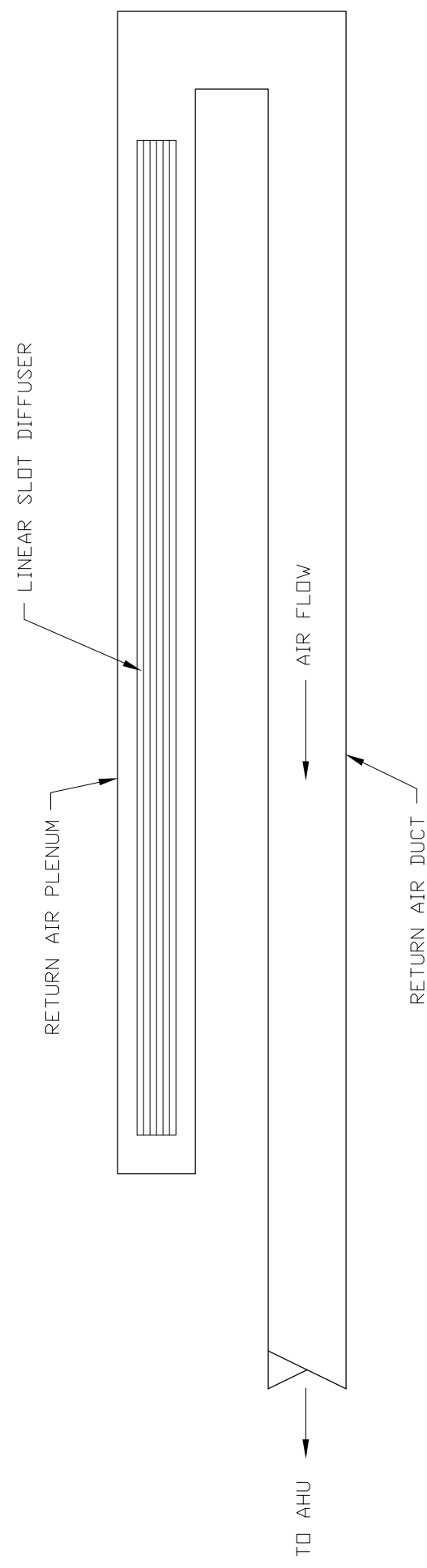
CFA BUILDING A REHEARSAL LEVEL PLAN

NOT TO SCALE



RETURN AIR DUCTING SCHEMATIC

NOT TO SCALE

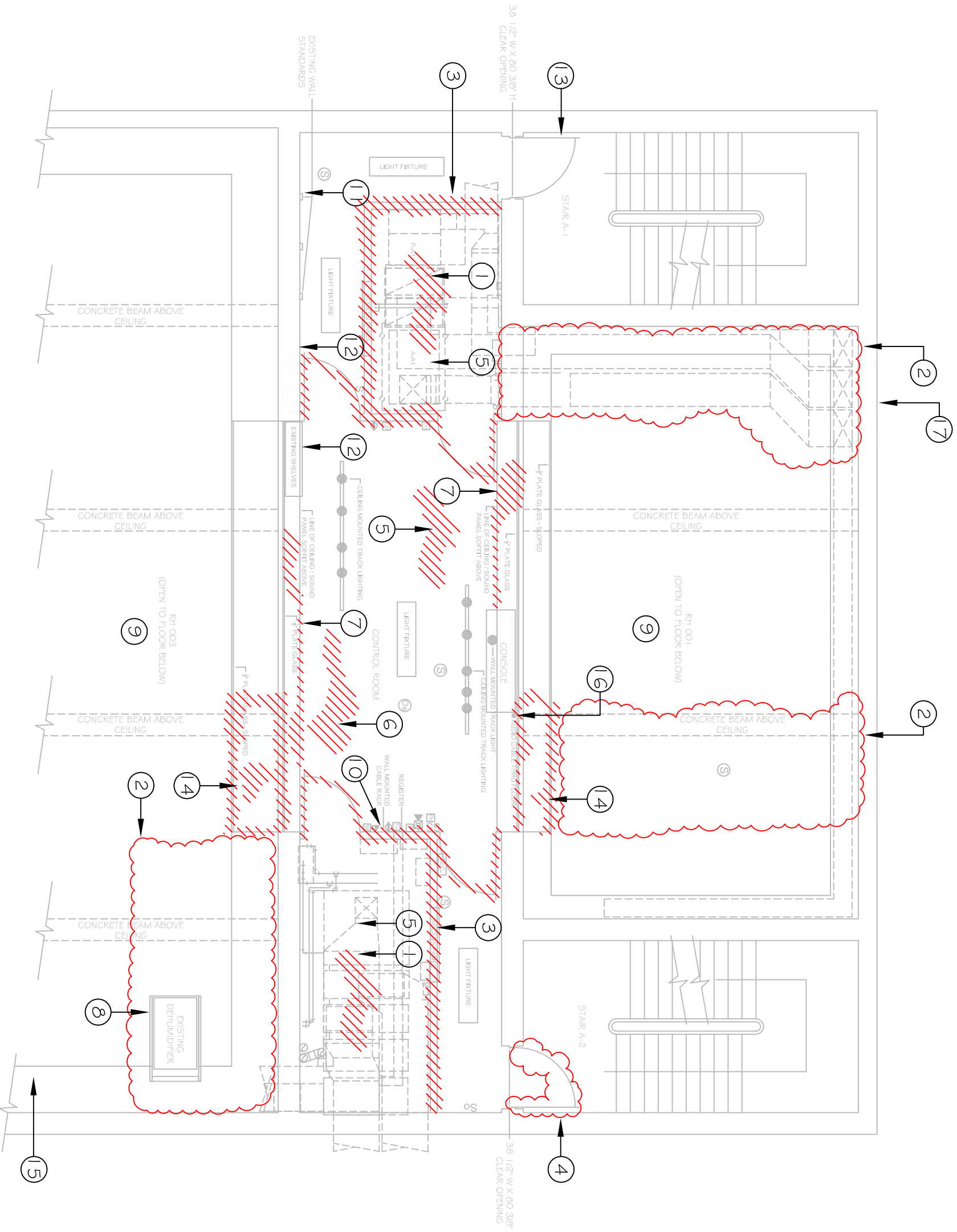


LEGEND

- Ⓢ EXISTING SMOKE DETECTOR
- Ⓜ EXISTING SECURITY KEYPAD
- Ⓛ EXISTING WALL MOUNTED PHONE
- S EXISTING LIGHT SWITCH
- so OCCUPANCY SENSOR SWITCH
- Ⓜ EXISTING FIRE ALARM PULL STATION
- Ⓜ EXISTING FIRE ALARM SPEAKER / STROBE
- Ⓜ EXISTING SECURITY SYSTEM MOTION SENSOR
- Ⓜ IN-WALL LCD TIMER SWITCH
- ▶ EXISTING TELE / DATA JACK
- Ⓢ OCCUPANCY SENSOR
- Ⓜ COVER PLATE OVER ELECTRICAL BOX

NOTES

1. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR MEP DEMOLITION REQUIREMENTS. MECHANICAL AND ELECTRICAL EQUIPMENT AND DEVICES SHOWN ON THIS PLAN ARE FOR REFERENCE AND COORDINATION WITH ARCHITECTURAL DEMOLITION REQUIREMENTS.
2. CAREFULLY REMOVE EXISTING CEILING AND WALL PANEL SYSTEM AS REQUIRED FOR DUCTWORK REMOVAL AND NEW DUCTWORK INSTALLATION. PROTECT DURING CONSTRUCTION AND REINSTALL CEILING / WALL PANEL SYSTEM UPON COMPLETION OF THE WORK. PROVIDE NEW FASTENERS AND CEILING SYSTEM COMPONENTS AS REQUIRED.
3. REMOVE EXISTING CMU PARTITION WALLS, DOORS, FRAMES AND HARDWARE. SALVAGE AND RETURN DOOR HARDWARE TO OWNER. COORDINATE REMOVAL WITH MECHANICAL & ELECTRICAL CONTRACTOR AS REQUIRED TO ENSURE ALL DEVICES AND EQUIPMENT ARE EITHER SALVAGED FOR REINSTALLATION OR REMOVED AS NOTED ON THE MECHANICAL AND ELECTRICAL DRAWINGS.
4. MAINTAIN EXISTING DOOR & FRAME. SALVAGE EXISTING HARDWARE AND CARD ACCESS DEVICES AND RETURN TO OWNER.
5. REMOVE EXISTING CARPETING AND GUE IN CONTROL ROOM. REMOVE CMU WALL MORTAR REMNANTS AND CONCRETE INERTIA BASE IN BOTH EXISTING MECHANICAL ROOMS. PREP ENTIRE CONCRETE SLAB SURFACE AS REQUIRED PRIOR TO APPLYING FLOOR FINISH.
6. REMOVE EXISTING SOUND ABSORPTION CEILING PANELS AND FASTENING SYSTEM IN CONTROL ROOM.
7. REMOVE EXISTING HORIZONTAL AND VERTICAL SOUND ABSORPTION PANELS ALONG THE ENTIRE LENGTH OF THE PLATE GLASS (BOTH SIDES). PREP THE CONCRETE SURFACE / BEAMS AS REQUIRED PRIOR TO APPLYING PLASTER SKIM COAT FINISH.
8. REMOVE EXISTING DEHUMIDIFIER, CONDENSATE LINES AND WALL MOUNTING BRACKETS. DELIVER DEHUMIDIFIER TO ALTERNATE BUILDING ON CAMPUS.
9. BUILDING LOCATION SHALL BE PROVIDED BY OWNER.
10. REMOVE CEILING PANEL SYSTEM IN 001 & 003 AS REQUIRED TO ACCESS VALVES FOR FAN COIL PIPING MODIFICATIONS ON THE 1ST FLOOR AND AS REQUIRED FOR NEW HVAC EQUIPMENT AND DUCTWORK REMOVAL & INSTALLATION. RE-INSTALL PANELS AND PROVIDE NEW SYSTEM COMPONENTS AS REQUIRED.
11. SALVAGE WALL MOUNTED CABLE RACK FOR RE-INSTALLATION.
12. REMOVE EXISTING WALL STANDARDS - SALVAGE FOR RE-INSTALLATION.
13. REMOVE EXISTING WALL STANDARDS & SHELVING - SALVAGE FOR RE-INSTALLATION.
14. EXISTING DOOR AND FRAME TO BE REMOVED BY OTHERS.
15. REMOVE EXISTING FLATE GLASS AND WOOD FRAME ASSEMBLY AS REQUIRED TO INSTALL THE NEW SOUND WALL (REFERENCE SHEET A2).
16. REMOVE AND RE-INSTALL WALL PANELS TO LOCATE EXISTING 2" TELE/DATA CONDUIT WITHIN SLOPED WALL.
17. PROTECT EXISTING AUDIO LINE COMING UP THROUGH THE FLOOR SLAB. DISCONNECTIONS & RECONNECTIONS TO AUDIO RACK SHALL BE BY OTHERS.
18. REMOVE EXISTING OUTDOOR AIR INTAKE LOUVER AND CAP OPENING WITH ALUMINUM INSULATING PANEL 1" THICK.



CFA 'A' CONTROL ROOM - INTERMEDIATE LEVEL

CFA BUILDING "A" RECORDING STUDIO  
ARCHITECTURAL DEMOLITION /  
REMOVAL PLAN

WESLEYAN UNIVERSITY  
Construction Services  
170 Long Lane  
Middletown, CT 06459  
Ph. (860) 685-3748 Fax (860) 685-3754



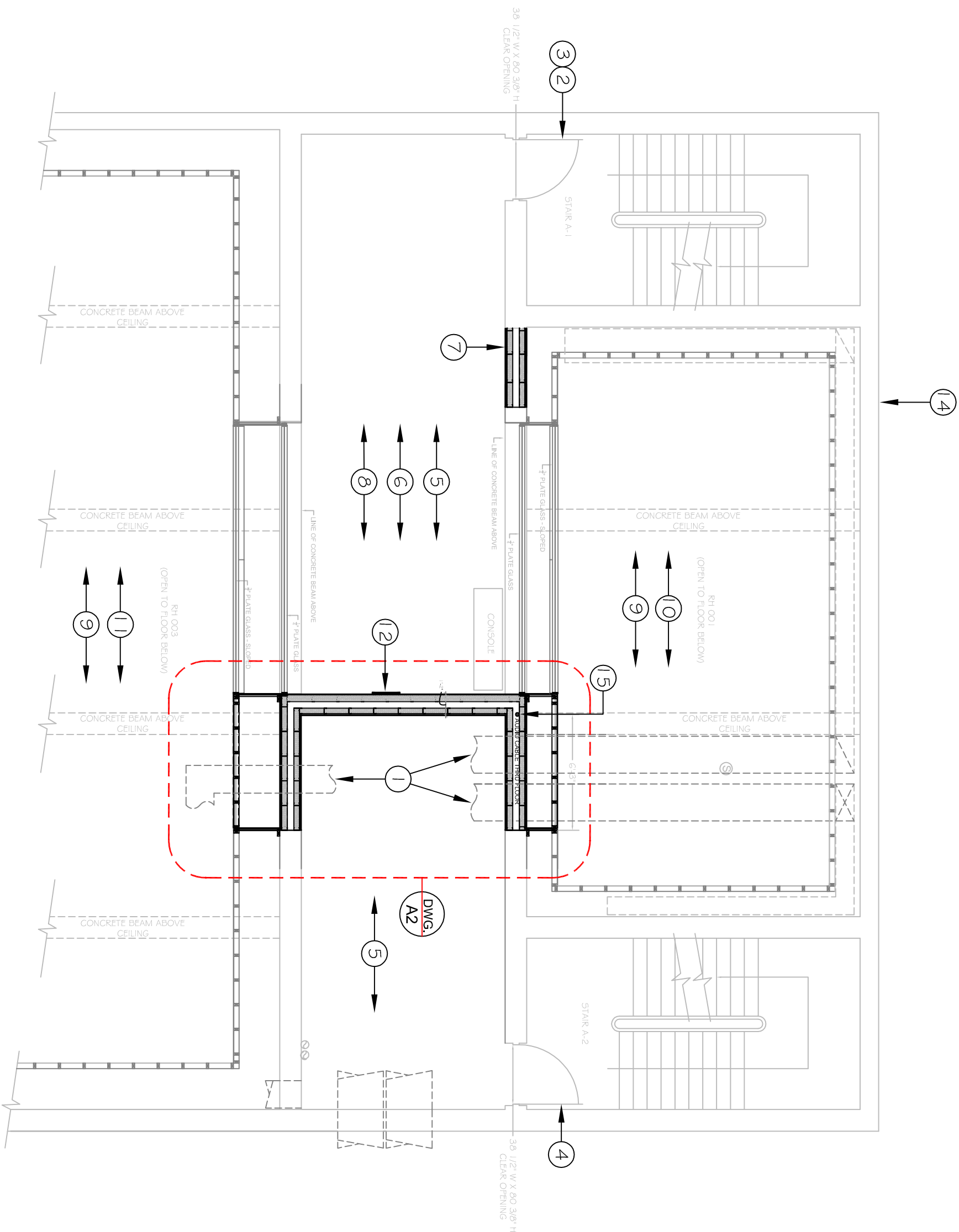
Scale: AS NOTED
Date: 02/20/2013
Revisions:

SKETCH NO.

AD-1

**NOTES**

1. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR INSTALLATION REQUIREMENTS. MECHANICAL AND ELECTRICAL DUCTWORK AND DEVICES SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY.
2. NEW ACOUSTIC DOOR AND HARDWARE SHALL BE INSTALLED BY OTHERS. PROVIDE BLOCKING FOR NEW ACOUSTIC DOOR. COORDINATE BLOCKING REQUIREMENTS WITH OWNER AND ACOUSTIC DOOR INSTALLER.
3. MAINTAIN EXISTING DOOR. REMOVE EXISTING CARD ACCESS DEVICE AND LOCKSET - RETURN TO OWNER.
4. PREP EXISTING CONCRETE FLOOR. APPLY NEW WATERBASED MEDIUM GLOSS FLOOR SEALER.
5. INSTALL NEW 4" THICK ACOUSTICAL CEILING PANELS. ACOUSTICAL PANELS SHALL BE CONWED RESPOND TYPE. \*SOFT TEXTURE AS MANUFACTURED BY CONWED DESIGNSCAPE, 800 GUSTAFSON ROAD, LADYSMITH, WI 54848 WWW.CONWEDDESIGNSCAPE.COM
6. INTILL PREVIOUS DUCTWORK WALL OPENINGS. USE SAME SOUND WALL PARTITION DETAIL AS MECHANICAL ROOM PARTITION SOUND WALL.
7. APPLY A PLASTER SKIM COAT ON ALL CONCRETE WALLS AND BEAMS NOT PREVIOUSLY SKIM COATED. PREP AND PATCH EXISTING SKIM COATED WALLS AND BLEND ALL SURFACES WITHIN THE NEW CONTROL ROOM. PAINT ALL WALLS AND BEAMS.
8. INSTALL NEW WALL PANELS, WOOD FRAMING AND INSULATION AS SHOWN ON SHEET A2 TO REPLACE PANEL SYSTEM REMOVED.
9. ROOM RH001: PAINT ENTIRE CEILING.
10. ROOM RH003: PAINT ALL CEILING PANELS REMOVED. PAINT ALL PANELS ADJACENT TO CEILING PANELS REMOVED. PRIME AND PAINT ALL NEW PANELS INSTALLED.
11. RE-INSTALL CABLE RACK - PROVIDE WOOD BLOCKING AS REQUIRED. IDENTIFY FINAL LOCATION IN FIELD WITH OWNER.
12. PROVIDE BLOCKING FOR NEW ACOUSTIC DOUBLE DOOR TO BE INSTALLED AT CFA GROWELL CONCERT HALL.
13. CAP EXISTING OUTDOOR AIR AIR INTAKE WITH A 1" THICK ALUMINUM INSULATING PANEL.
14. PATCH CONCRETE FLOOR PENETRATION AFTER AUDIO CABLE IS REMOVED.



CFA 'A' CONTROL ROOM - INTERMEDIATE LEVEL



**WESLEYAN UNIVERSITY**  
 Construction Services  
 170 Long Lane  
 Middletown, CT 06459  
 Ph. (860) 685-3748 Fax (860) 685-3754

PROJECT:  
**CFA BUILDING "A" RECORDING STUDIO  
 PROPOSED FLOOR PLAN**

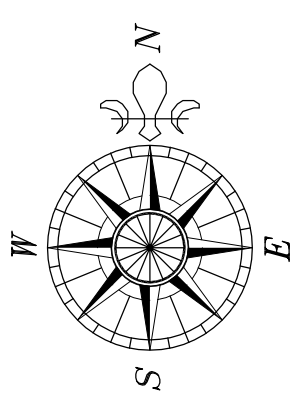


Scale: AS NOTED  
 Date: 02/20/2013  
 Revisions:


SKETCH NO.

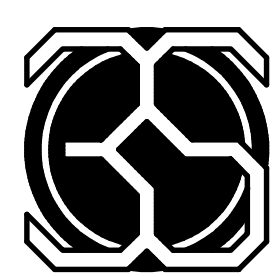
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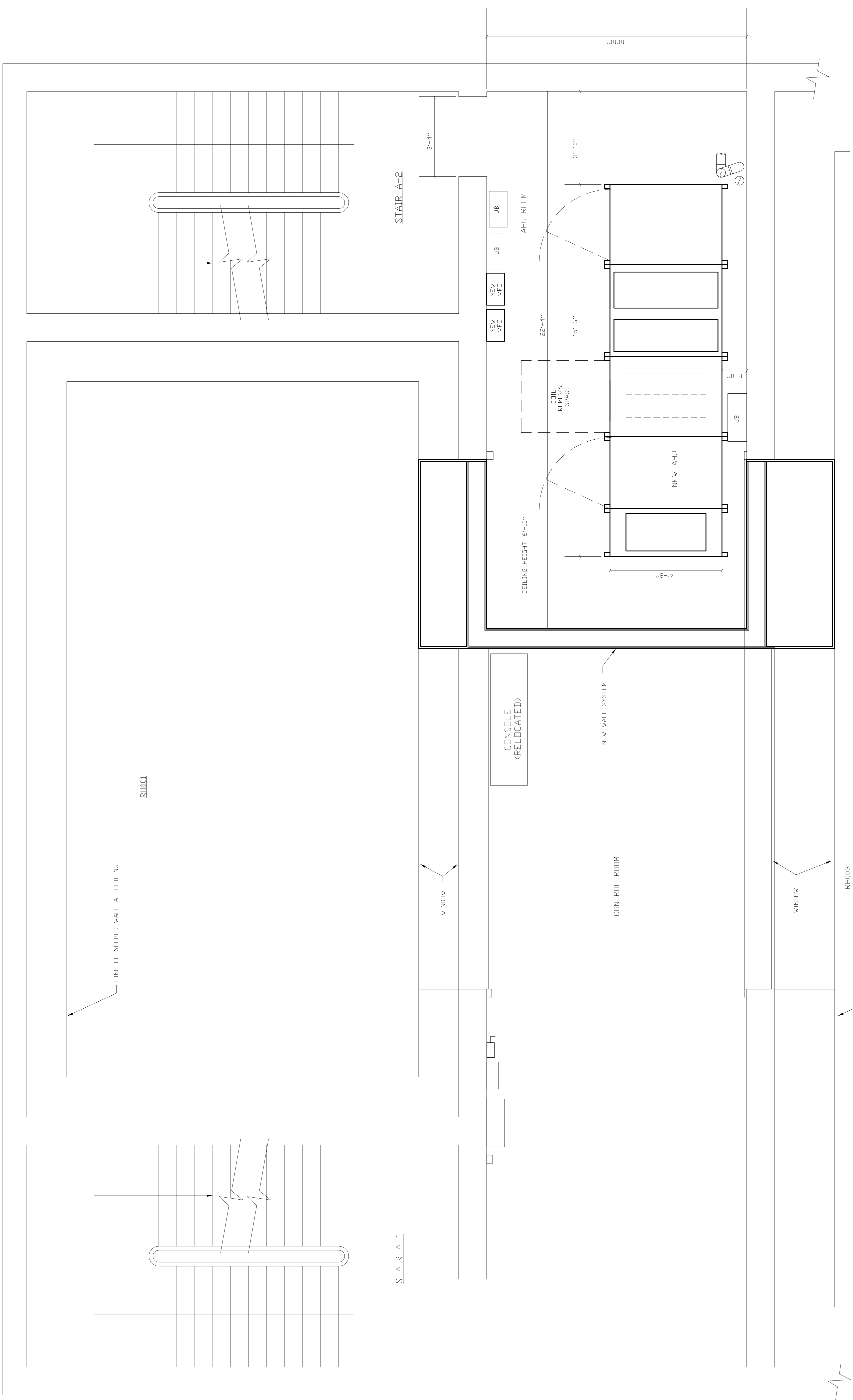


PROJECT: CFA BUILDING "A" REHEARSAL HALL  
 TITLE: AHU REPLACEMENT  
 WESTLEYAN UNIVERSITY  
 GENERAL ARRANGEMENT PLAN

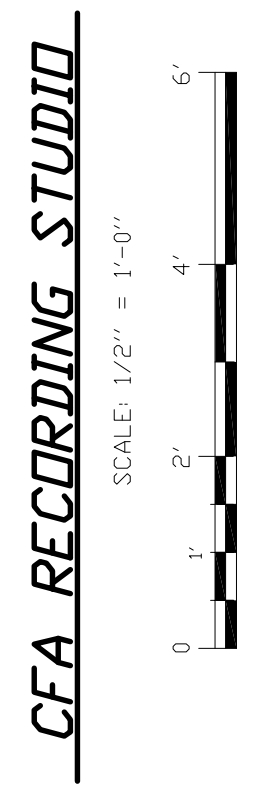
DATE: 02-20-13  
 SCALE: AS NOTED  
 DRAWN: RDC  
 CHECKED: RJU  
 JOB No.: 11-120



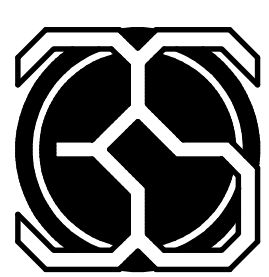
SAREN ENGINEERING, INC.  
 270 FARMINGTON AVENUE  
 FARMINGTON, CT 06032  
 TEL: (860) 678-1799  
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- NOTES:
1. AHU DIMENSIONS BASED ON "MAINSTREAM" UNIT.
  2. THE NEW AHU MUST FIT WITHIN THE DIMENSIONS SHOWN.
  3. THE AHU MODULES WILL REQUIRE PARTIAL DISASSEMBLY TO MOVE IT INTO THE ROOM.



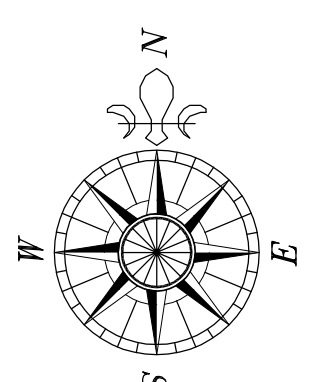
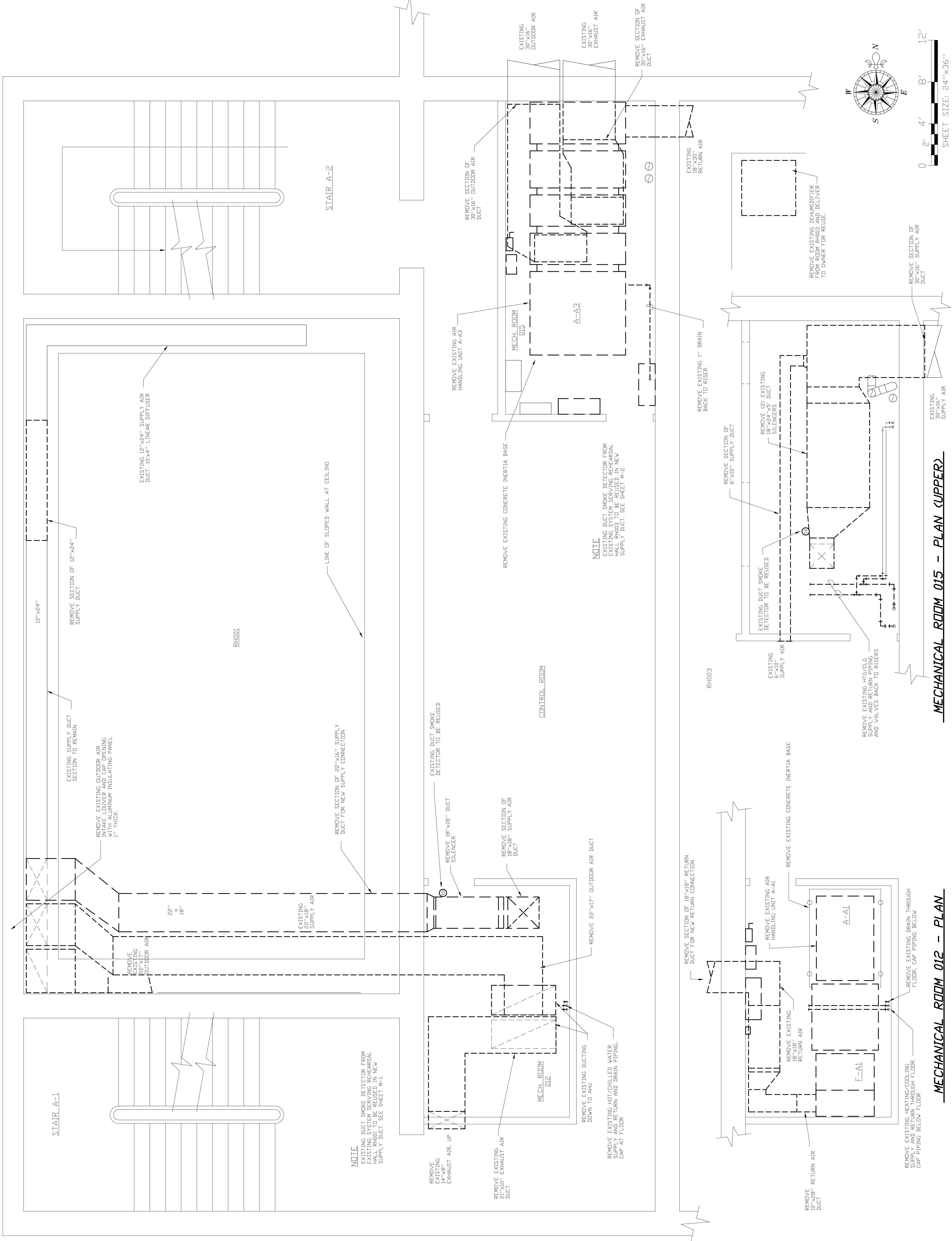
**SAREN ENGINEERING, INC.**  
 270 FARMINGTON AVENUE  
 FARMINGTON, CT 06032  
 TEL: (860) 678-1799  
 FAX: (860) 676-0471



DATE: 02-20-13  
 SCALE: 1/2" = 1'-0"  
 DRAWN: RDC  
 CHECKED: RJJ  
 JOB No.: 11-120

PROJECT  
**CFA BUILDING "A" REHEARSAL HALL  
 WESLEYAN UNIVERSITY  
 AHU REPLACEMENT  
 MECHANICAL DEMOLITION PLAN**

**MD-1**

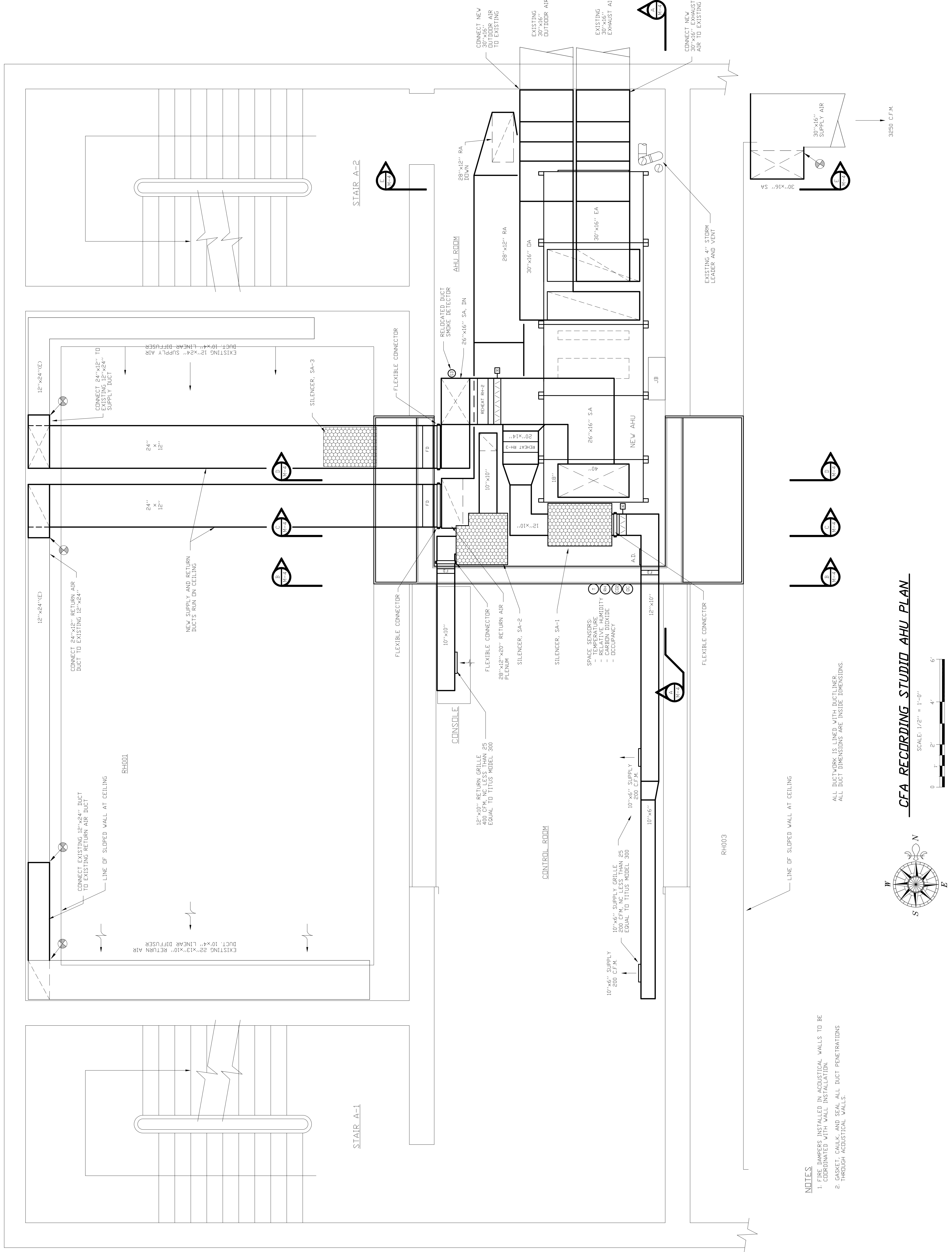
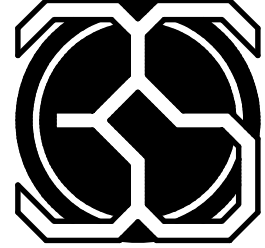


**MECHANICAL ROOM 015 -- PLAN (UPPER)**

**MECHANICAL ROOM 012 -- PLAN**

**NOTE**  
 REMOVE DUCT SMOKE DETECTOR FROM EXISTING SYSTEM SERVING REHEARSAL ROOMS. NEW SMOKE DETECTOR TO BE INSTALLED IN NEW SUPPLY DUCT. SEE SHEET M-1.

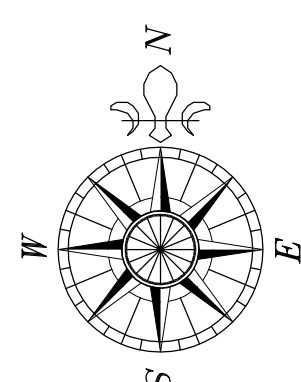
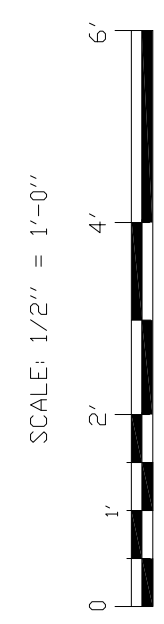
**NOTE**  
 REMOVE DUCT SMOKE DETECTOR FROM EXISTING SYSTEM SERVING REHEARSAL ROOMS. NEW SMOKE DETECTOR TO BE INSTALLED IN NEW SUPPLY DUCT. SEE SHEET M-2.



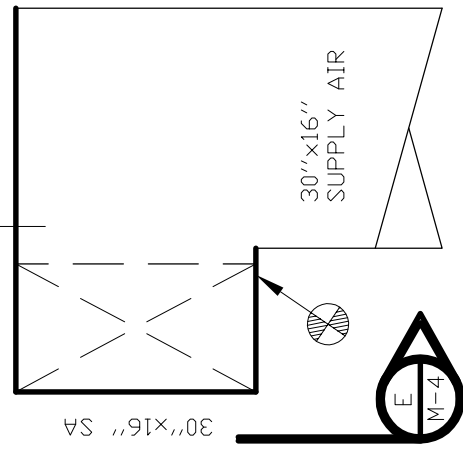
- NOTES:
1. FIRE DAMPERS INSTALLED IN ACoustICAL WALLS TO BE COORDINATED WITH WALL INSTALLATION.
  2. GASKET, CAULK, AND SEAL ALL DUCT PENETRATIONS THROUGH ACoustICAL WALLS.

ALL DUCTWORK IS LINED WITH DUCTLINER.  
 ALL DUCT DIMENSIONS ARE INSIDE DIMENSIONS.

CFA RECORDING STUDIO AHU PLAN



3250 CFM



EXISTING 4" STORM LEADER AND VENT

CONNECT NEW 24" x 12" SUPPLY AIR TO EXISTING

SPACE SENSORS  
 - TEMPERATURE  
 - RELATIVE HUMIDITY  
 - CARBON DIOXIDE  
 - OCCUPANCY

CONTROL ROOM

CONSOLE

12" x 10" RETURN GRILLE EQUAL TO TITUS MODEL 500

12" x 10" SUPPLY GRILLE EQUAL TO TITUS MODEL 500

10" x 6" SUPPLY 200 CFM

10" x 6" SUPPLY 200 CFM

10" x 6" SUPPLY 200 CFM

10" x 6" SUPPLY 200 CFM

10" x 6" SUPPLY 200 CFM

10" x 6" SUPPLY 200 CFM

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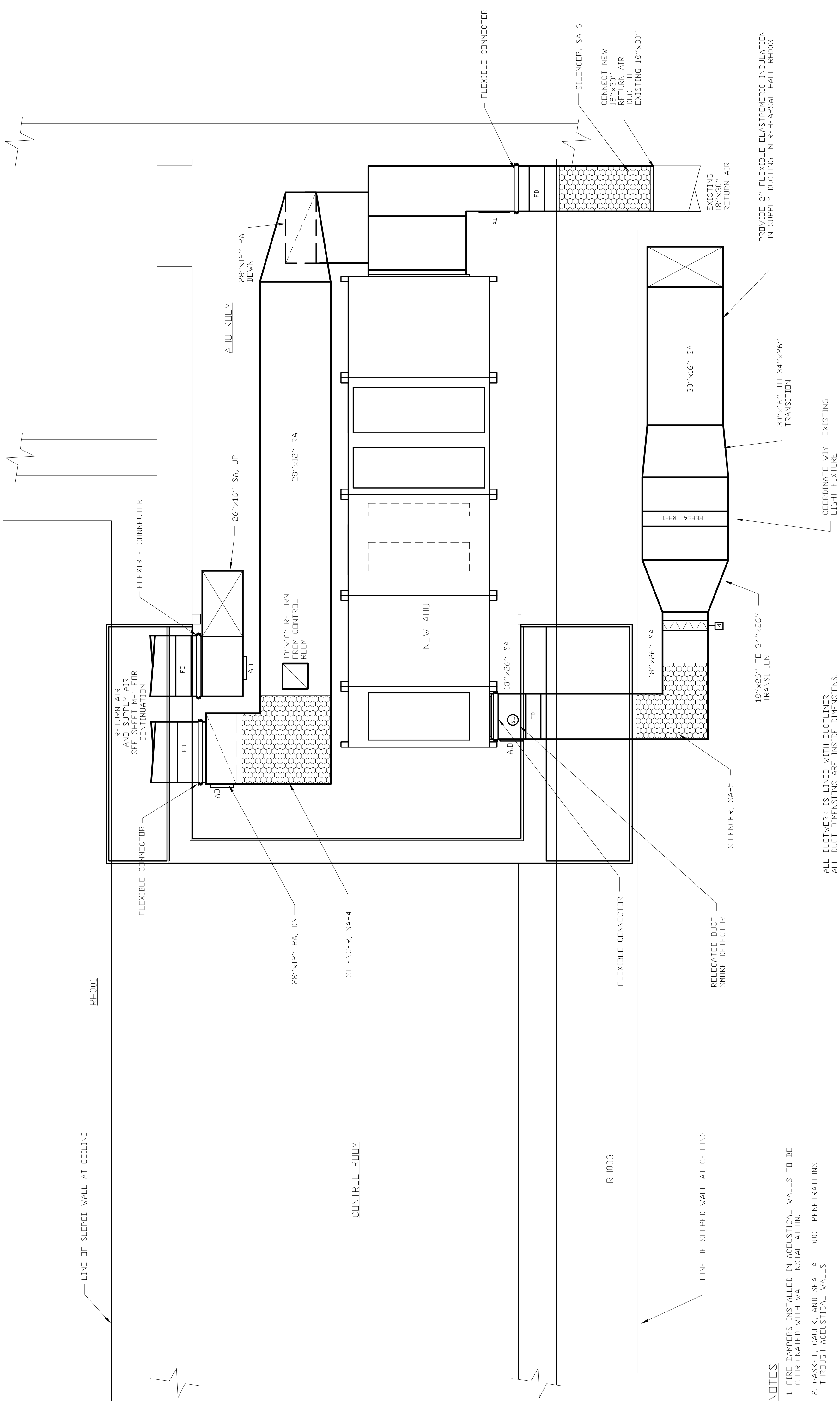
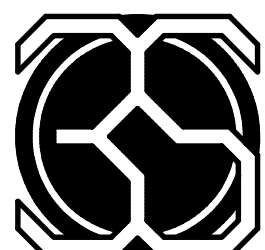
10" x 6" SUPPLY 200 CFM



PROJECT  
**CFA BUILDING "A" REHEARSAL HALL**  
**WESLEYAN UNIVERSITY**  
**AHU REPLACEMENT**  
 TITLE  
**DUCTING PLAN**

DATE: 02-20-13  
 SCALE: AS NOTED  
 DRAWN: RDC  
 CHECKED: RJU  
 JOB No.: 11-120

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 270 FARMINGTON AVENUE  
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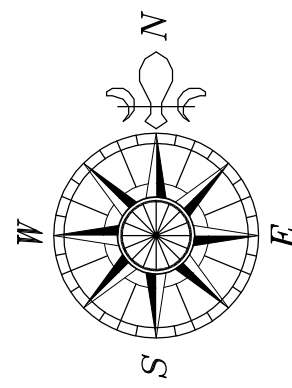
ALL DUCTWORK IS LINED WITH DUCTLINER.  
 ALL DUCT DIMENSIONS ARE INSIDE DIMENSIONS.

**CFA RECORDING STUDIO AHU PLAN**

SCALE: 1/2" = 1'-0"

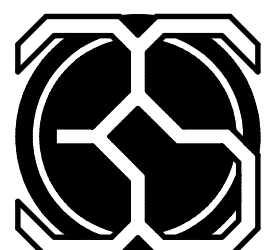
**NOTES**

1. FIRE DAMPERS INSTALLED IN ACoustICAL WALLS TO BE COORDINATED WITH WALL INSTALLATION.
2. GASKET, CAULK, AND SEAL ALL DUCT PENETRATIONS THROUGH ACoustICAL WALLS.

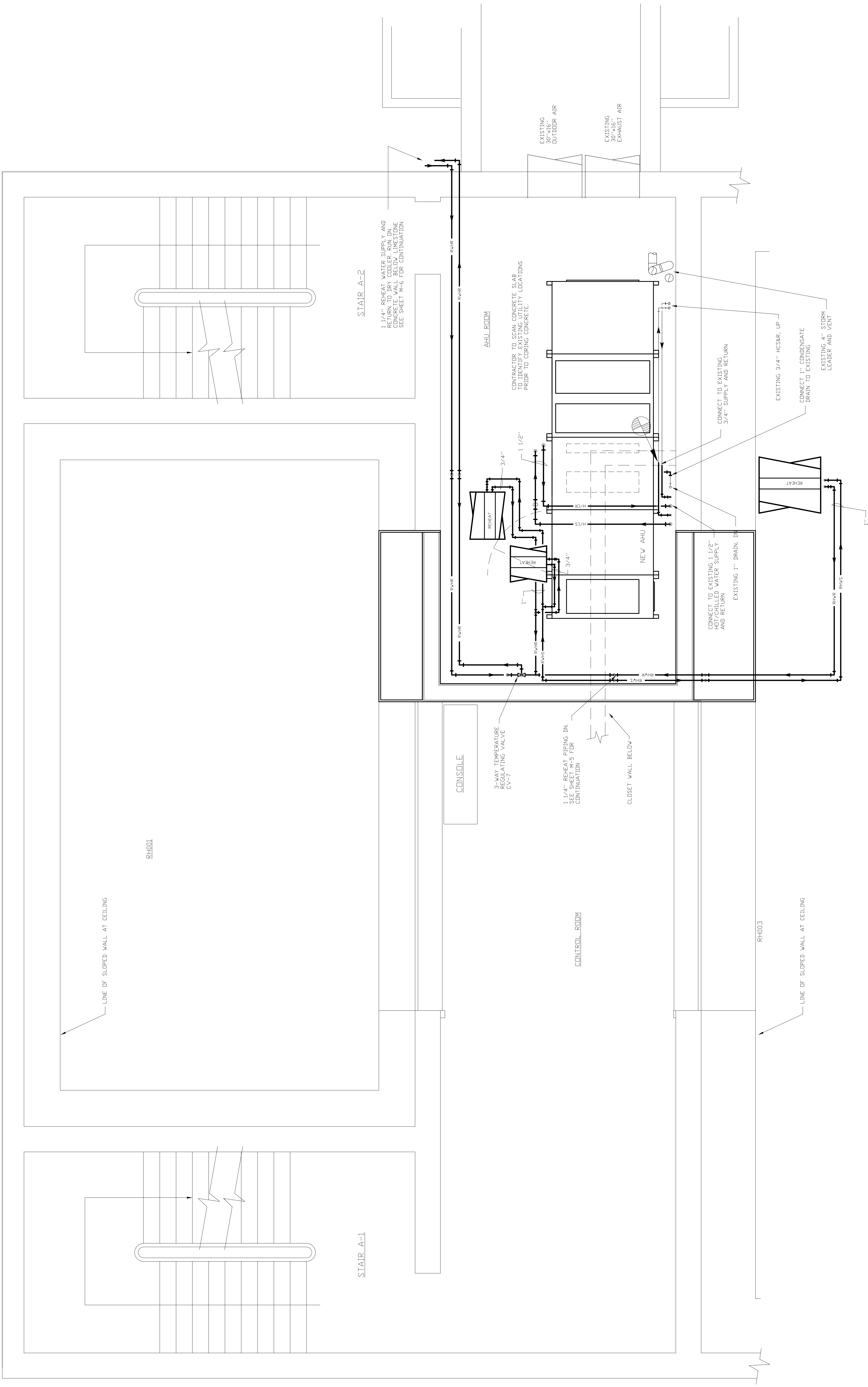


PROJECT: CFA BUILDING "A" REHEARSAL HALL  
TITLE: AHU REPLACEMENT  
PIPE PLAN

DATE: 02-20-13  
SCALE: AS NOTED  
DRAWN: RDC  
CHECKED: RJU  
JOB No.: 11-120

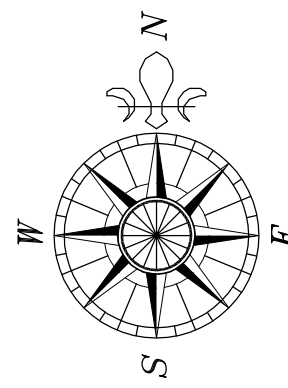
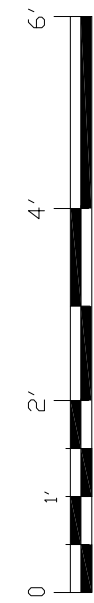


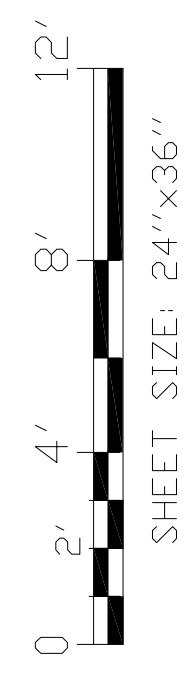
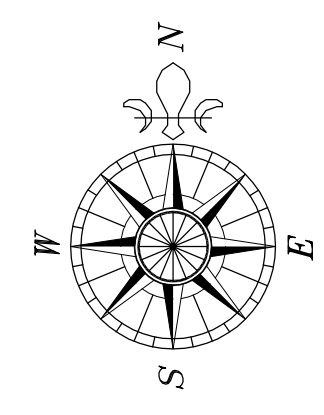
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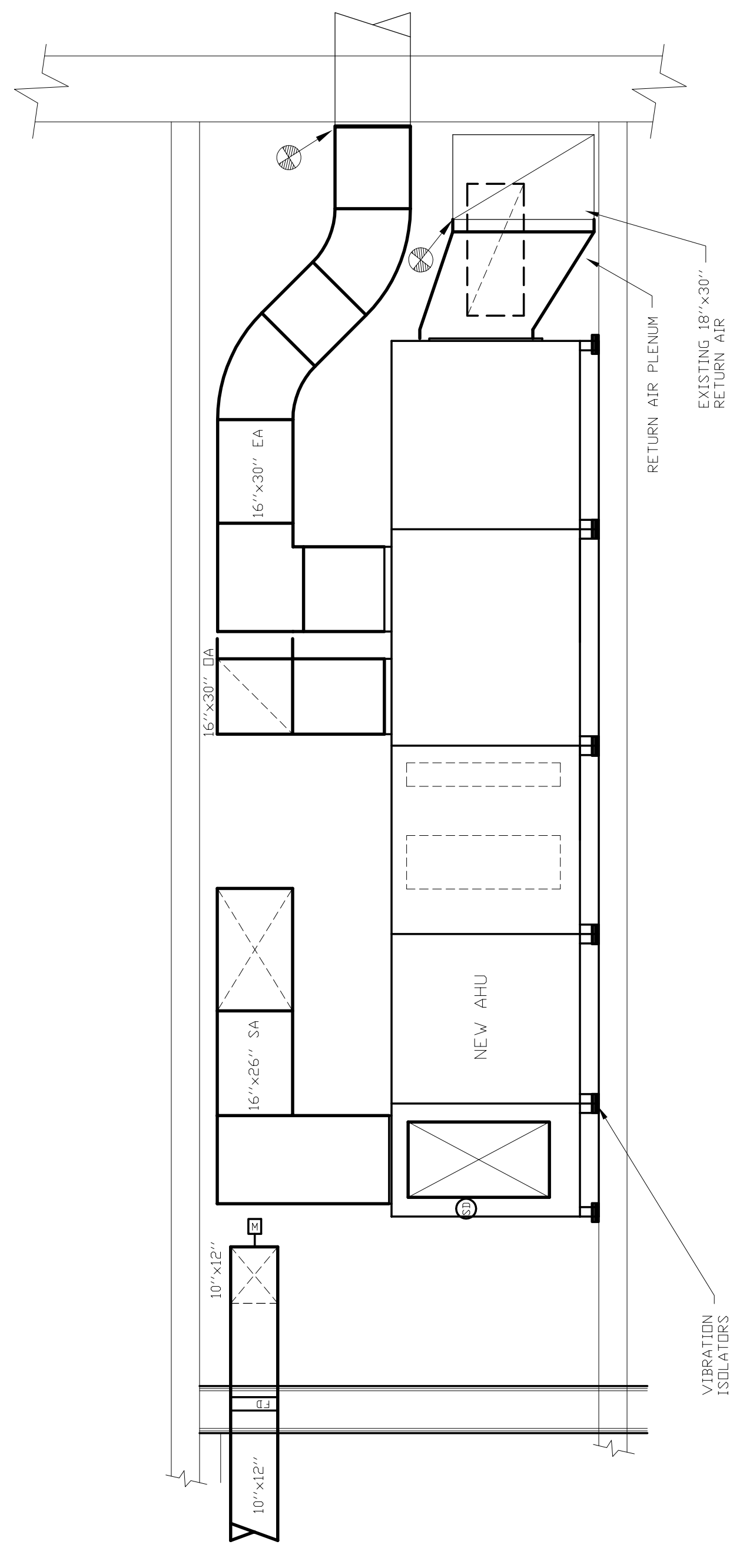
CFA RECORDING STUDIO AHU PLAN

SCALE: 1/2" = 1'-0"

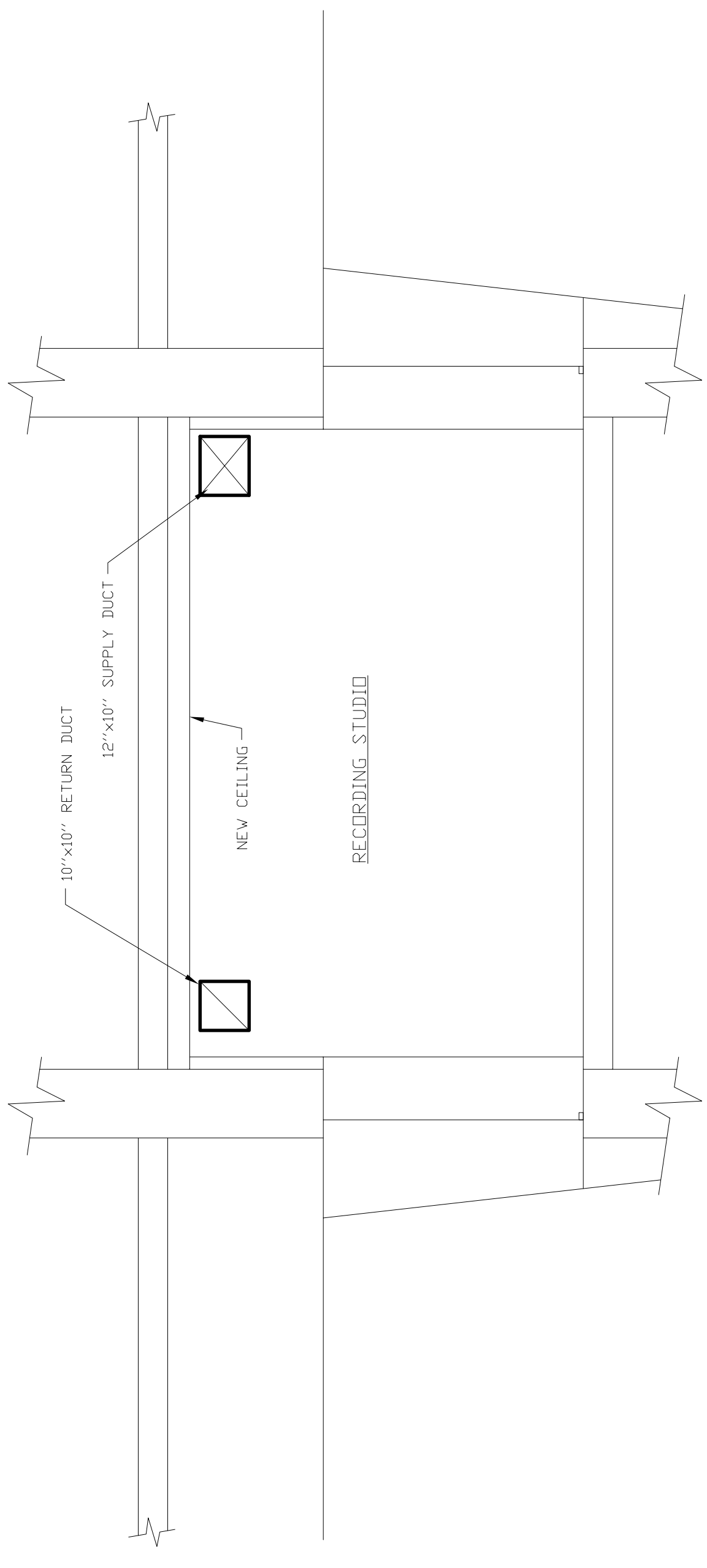




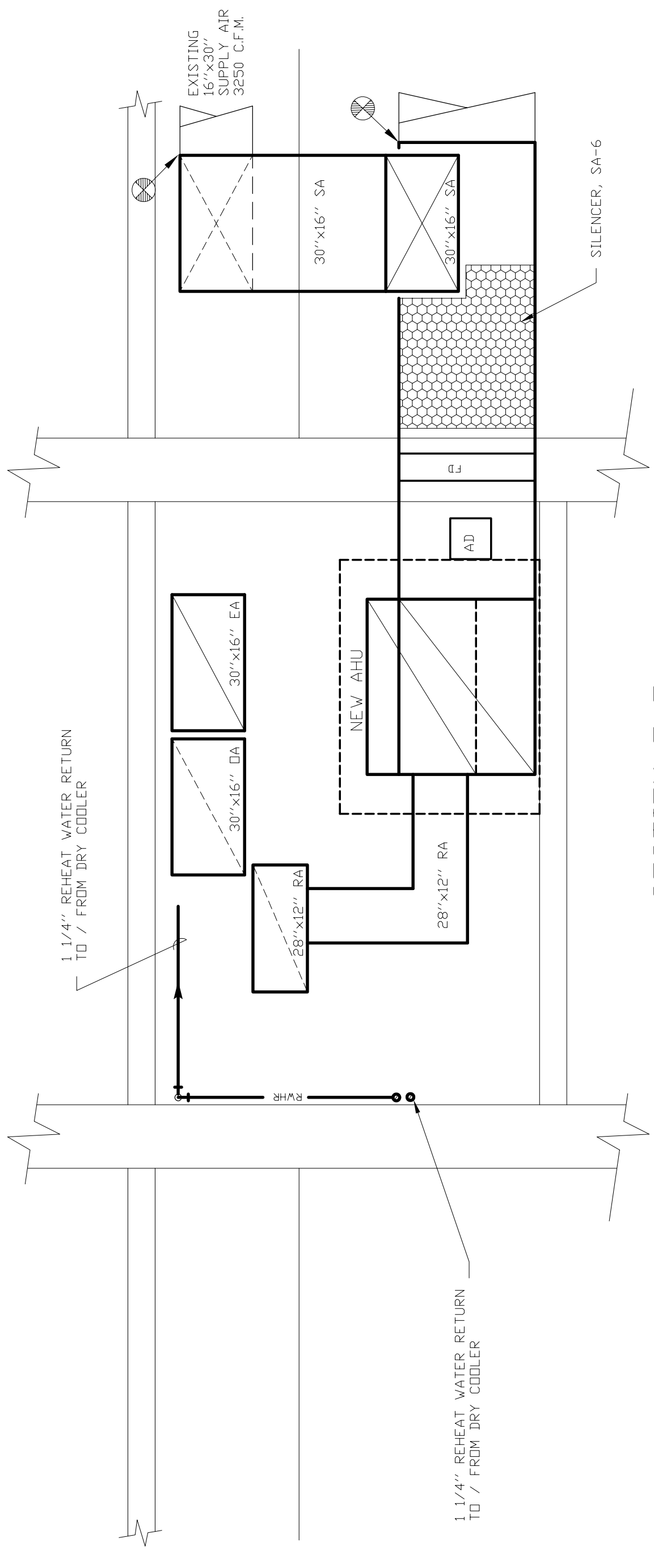
SECTION A-A



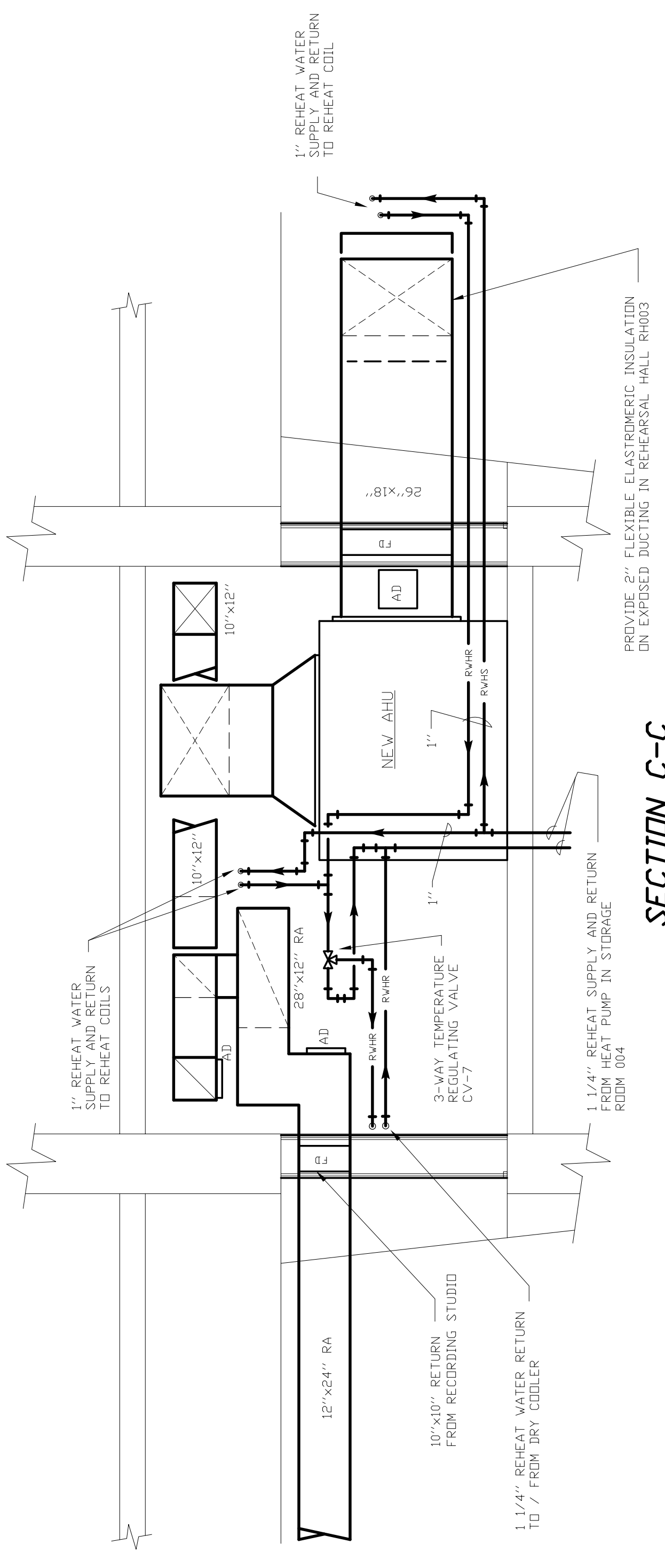
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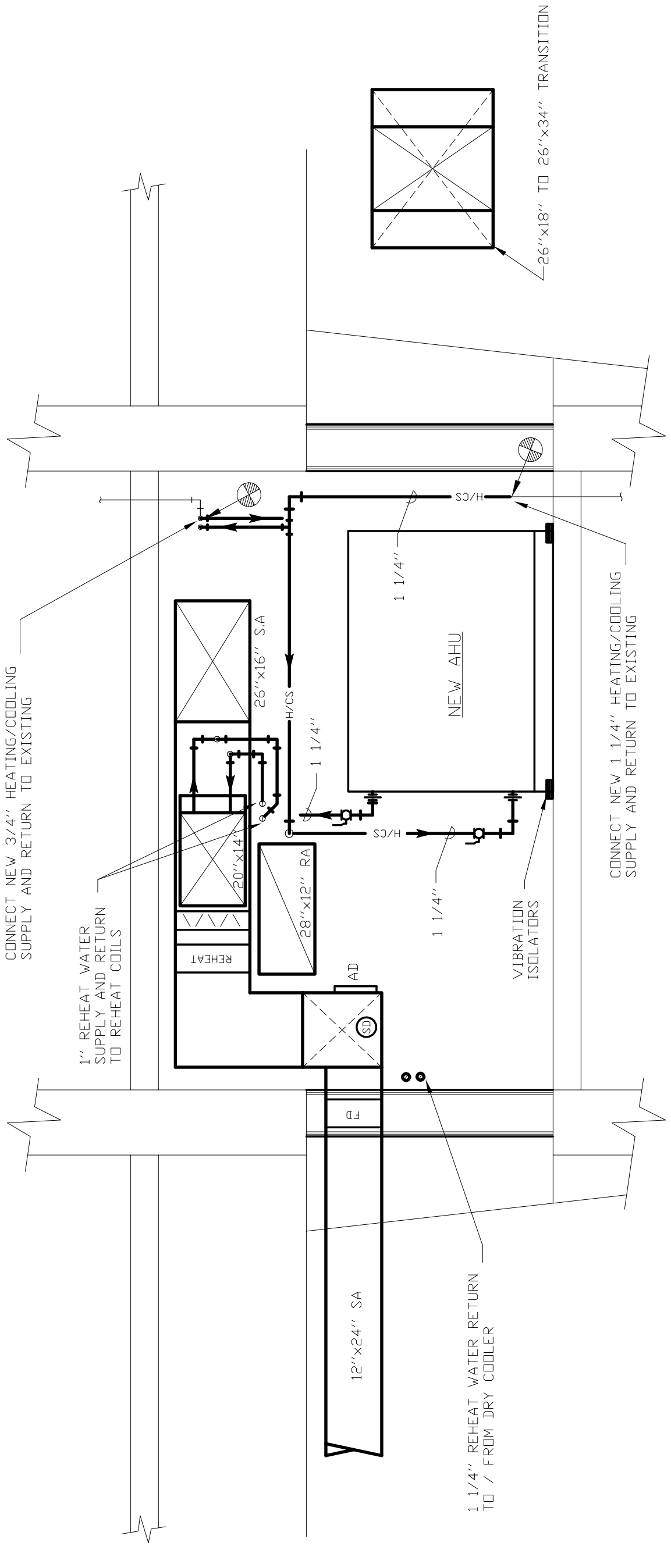
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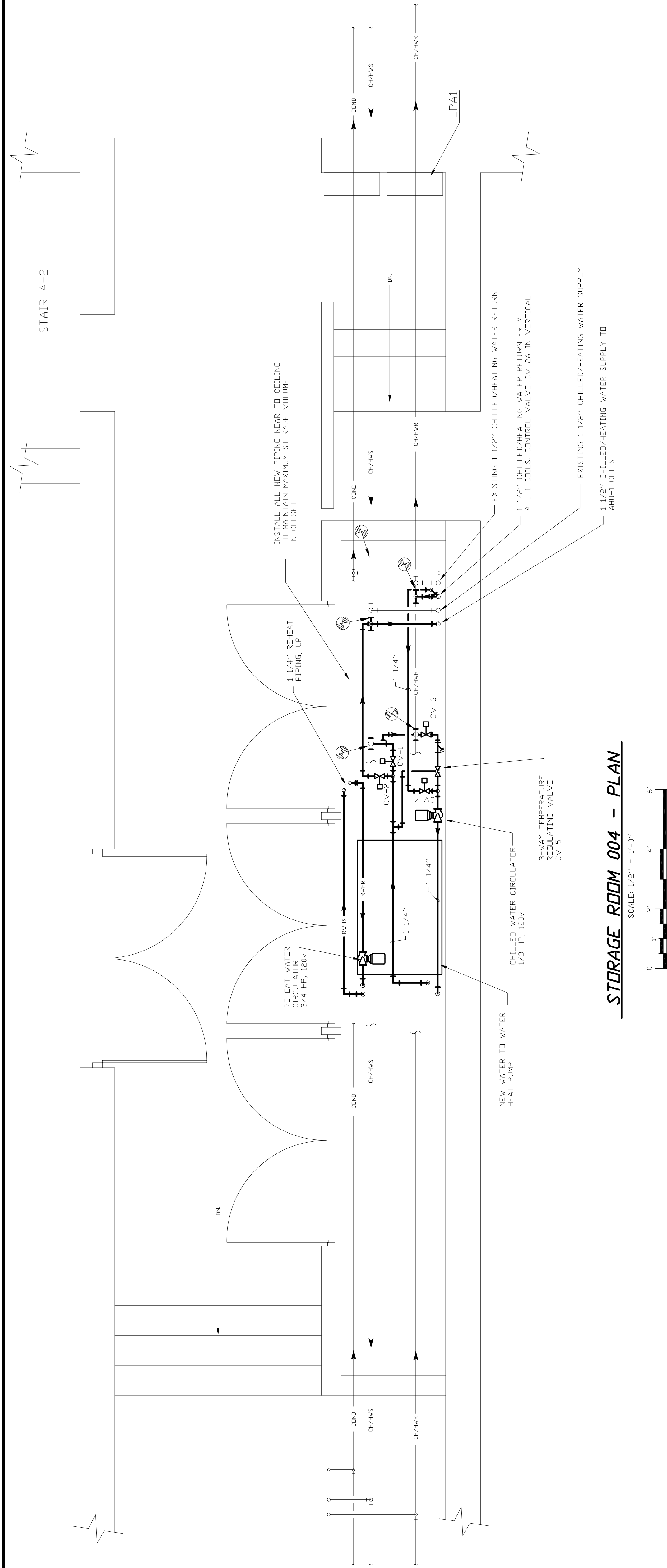
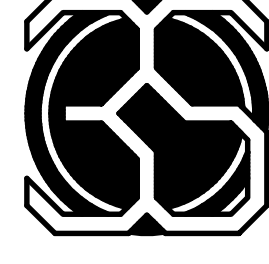
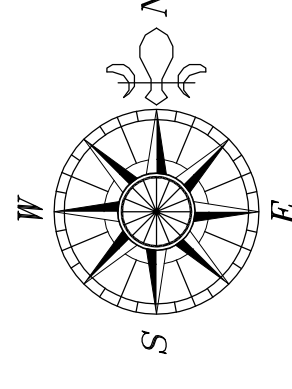
SECTION C-C



SECTION D-D



ALL DUCTWORK IS LINED WITH DUCT LINS.  
ALL DUCT DIMENSIONS ARE INSIDE DIMENSIONS.



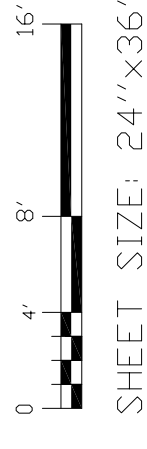
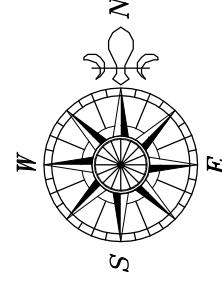
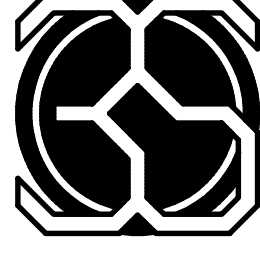
**STORAGE ROOM 004 - PLAN**  
SCALE: 1/2" = 1'-0"



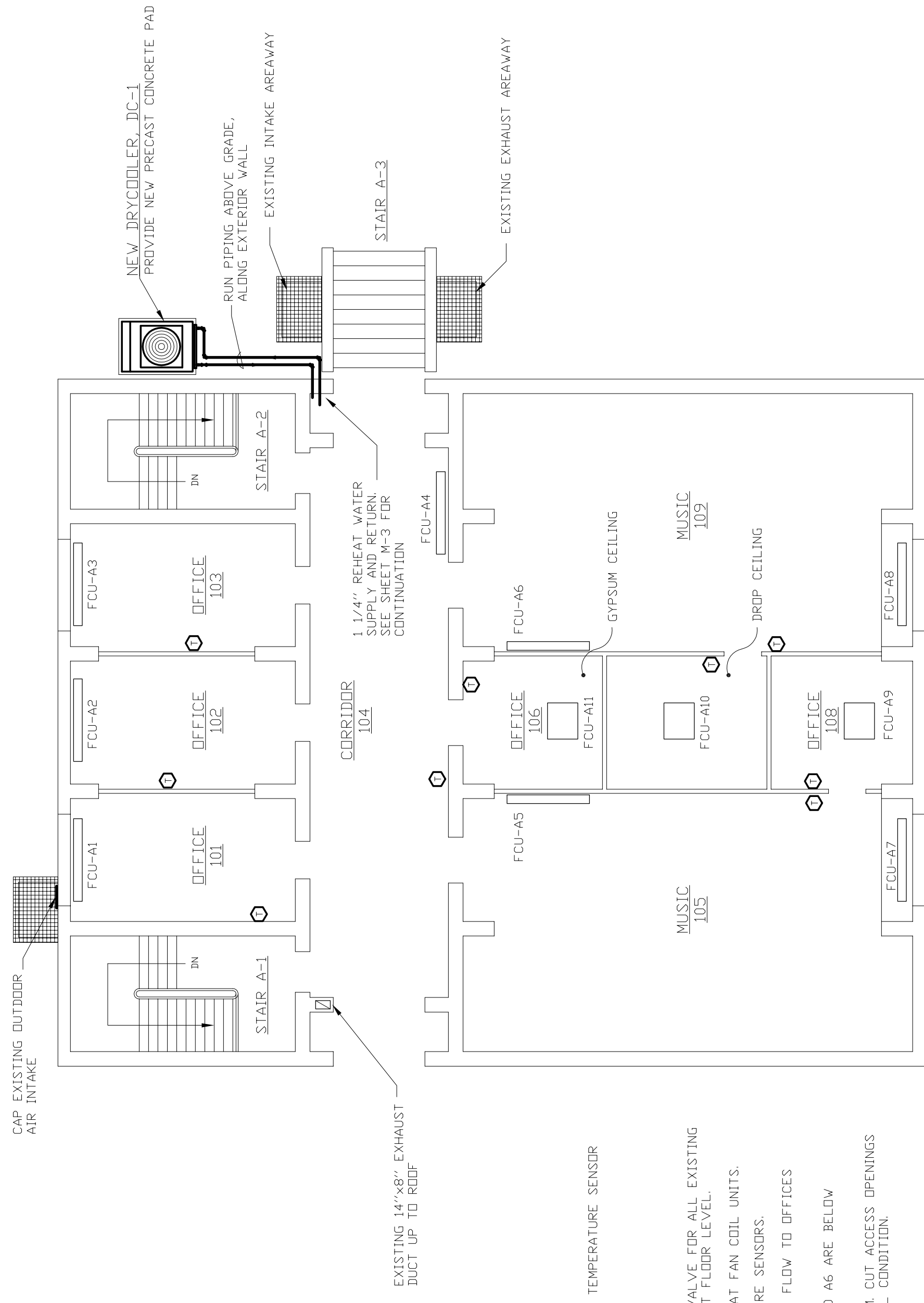
TAG	System	Face Dimension (W x H)	Length	Flow	Velocity	Pressure Drop	Dynamic Insertion Loss Generated Noise						Vibro-Acoustics Model		
							63	125	250	500	1000	2000		4000	8000
SA-1	Supply Duct Silencer	12" x 10"	36"	400 cfm	480	0.03"	8	12	18	22	29	24	16	13	EXRD-LULV-F4-L13911
SA-2	Return Duct Silencer	10" x 10"	36"	400 cfm	-576	0.06"	9	15	25	32	37	28	30	22	EXRED-LULV-F5-L13911
SA-3	Supply Duct Silencer	24" x 12"	36"	1,000 cfm	500	0.06"	6	8	15	22	24	20	13	10	RD-LV-F4
SA-4	Return Duct Silencer	28" x 12"	42"	1,000 cfm	-429	0.07"	8	14	23	32	31	29	22	18	RED-MV-F2-L13911
SA-5	Supply Duct Silencer	26" x 18"	48"	3,000 cfm	923	0.09"	6	11	15	27	28	28	23	19	RED-HV-F3
SA-6	Return Duct Silencer	30" x 18"	36"	3,000 cfm	-800	0.17"	7	11	17	18	21	15	15	13	RD-LV-F-L13911

ITEM	Capacity	Rating PL	Input	Motor Hp	Comments
<b>NEW EQUIPMENT</b>					
AHU-1	3750 cfm 0.5" esp 3750 cfm	1.5" esp 0.5" esp	1800 gpm, 460 vohs 1800 gpm, 460 vohs	3 Hp 3 Hp	Direct drive plenum fan Direct drive plenum fan
RHC-1	252 MBH 155 T/05 S MBH	3750 cfm 3750 cfm	50 deg F EAT, 110 deg F LAT 82 db/70 wh deg F EAT	180 deg F EWT HW, 30 gpm 58 db/56 wh deg F LAT, 45 deg F EWT CHW, 55 deg F LWT, 30 gpm	
RHC-2	56 MBH	400 cfm	55 deg F EAT	140 deg F EWT, 0.1" air PD and 3.2 ft water PD	
RHC-3	20 MBH	1100 cfm	55 deg F EAT	140 deg F EWT, 0.1" air PD and 1.4 ft water PD	
VFD2	3 Hp		55 deg F EAT	3 Hp, 480v 3 Hp, 480v	ABE VFD
HP-1	68 MBH 2 MBH 14 MBH 10 MBH		52 deg F EWT, 42 deg LWT, 14 gpm 120 deg F EWT, 140 deg LWT, 10 gpm	7.5 hp 38 amps/208vct	Arctic Chill P series 30% Propylene Glycol
CHWP-1	4 Gallons	35 ft	Acceptance Volume 1.3 Gallons	3/4 hp	
XT-1	6 Gallons	15 ft	Acceptance Volume 2.5 Gallons	1/4 hp	
XT-2	6 Gallons		Acceptance Volume 1.3 Gallons		
DC-1	170 MBH	80 deg F OAT	135 deg F EWT, 105 deg LWT, 12 gpm	2 Hp	Ref Plus Model FVD112C-8-E8, variable speed ECM fan motor, 30% propylene glycol
<b>CONTROL VALVES</b>					
CV-1	14 gpm	1 1/4"			
CV-2	14 gpm	1 1/4"			
CV-3	30 gpm	1 1/2"			
CV-4	14 gpm	1 1/4"			
CV-5	14 gpm	1 1/4"			
CV-6	14 gpm	1 1/4"			
CV-7	12 gpm	1 1/4"			
CV-8	30 gpm	1 1/2"			
CV-9	20 gpm	1 1/4"			
CV-10	6 gpm	1"			
CV-11	1 gpm	1"			
CV-12	2 gpm	1"			

Notes:  
AHU sound levels: @ 1000 Hz, 76 dB discharge, 69 dB return, 56 dB radiated  
Drycooler sound level: 51 dBA @ 10 ft.



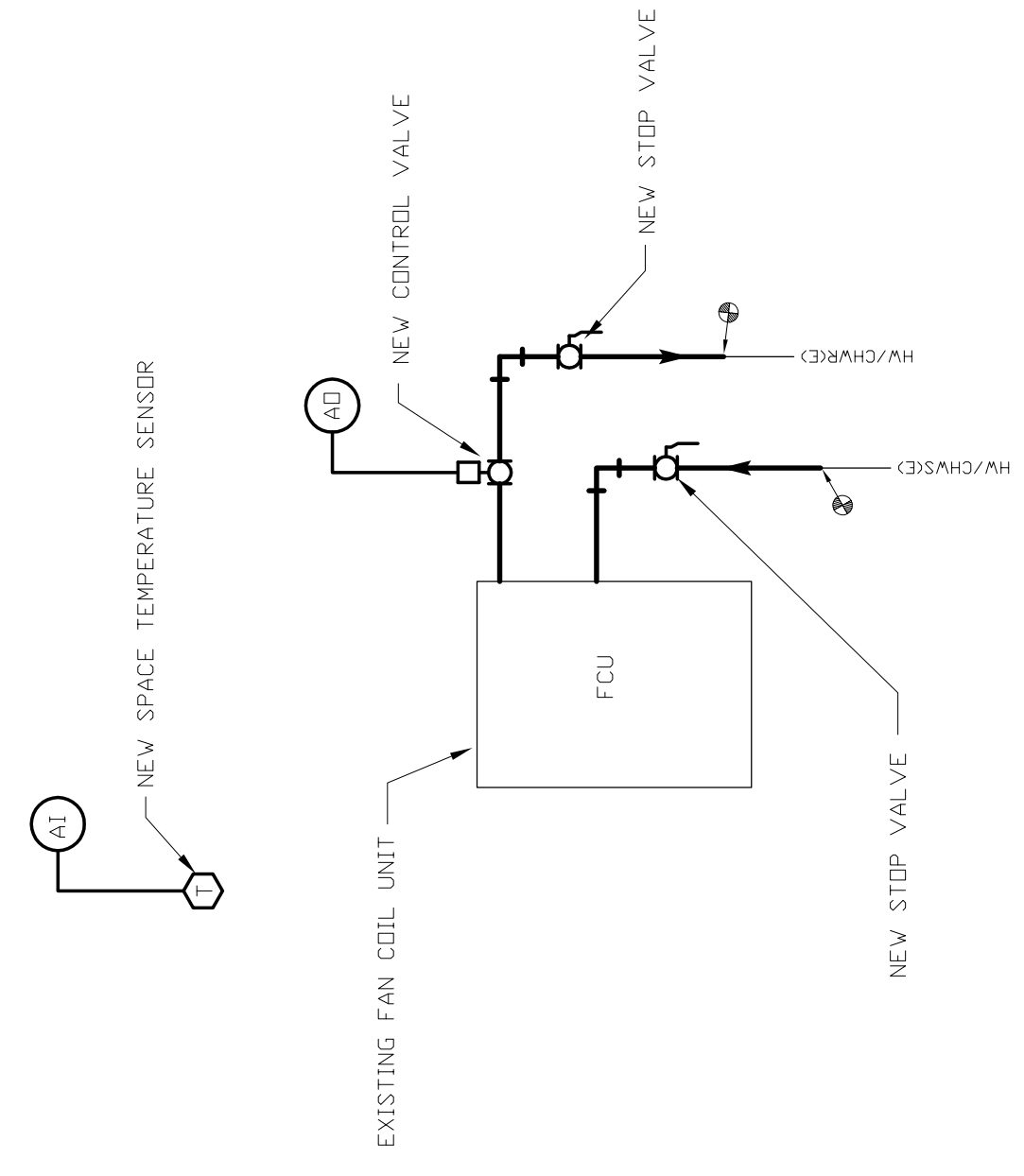
SHEET SIZE: 24" x 36"



- NOTE:
1. PROVIDE NEW CONTROL VALVE FOR ALL EXISTING FAN COIL UNITS ON FIRST FLOOR LEVEL. CAP PNEUMATIC TUBING.
  2. PROVIDE NEW TEMPERATURE SENSORS.
  3. MAINTAIN CHILLED WATER FLOW TO OFFICES DURING CONSTRUCTION.
  4. VALVES FOR FCU A5 AND A6 ARE BELOW THE FLOOR.
  5. FCU-10 IS ABOVE GYPSUM. CUT ACCESS OPENINGS AND RESTORE TO ORIGINAL CONDITION.

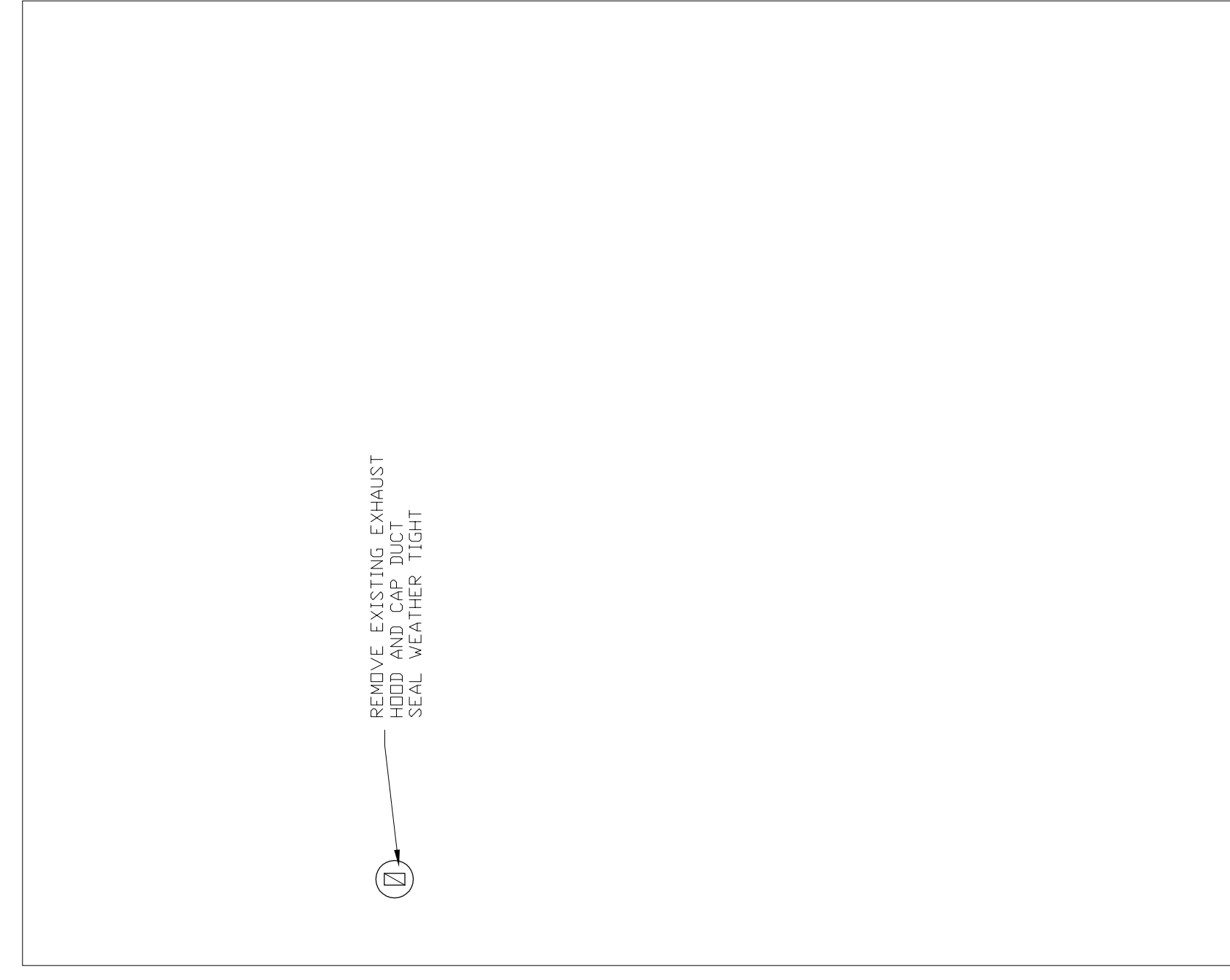
FIRST FLOOR PLAN BUILDING A

SCALE: 1/8" = 1'-0"



FAN COIL PIPING SCHEMATIC

NOT TO SCALE

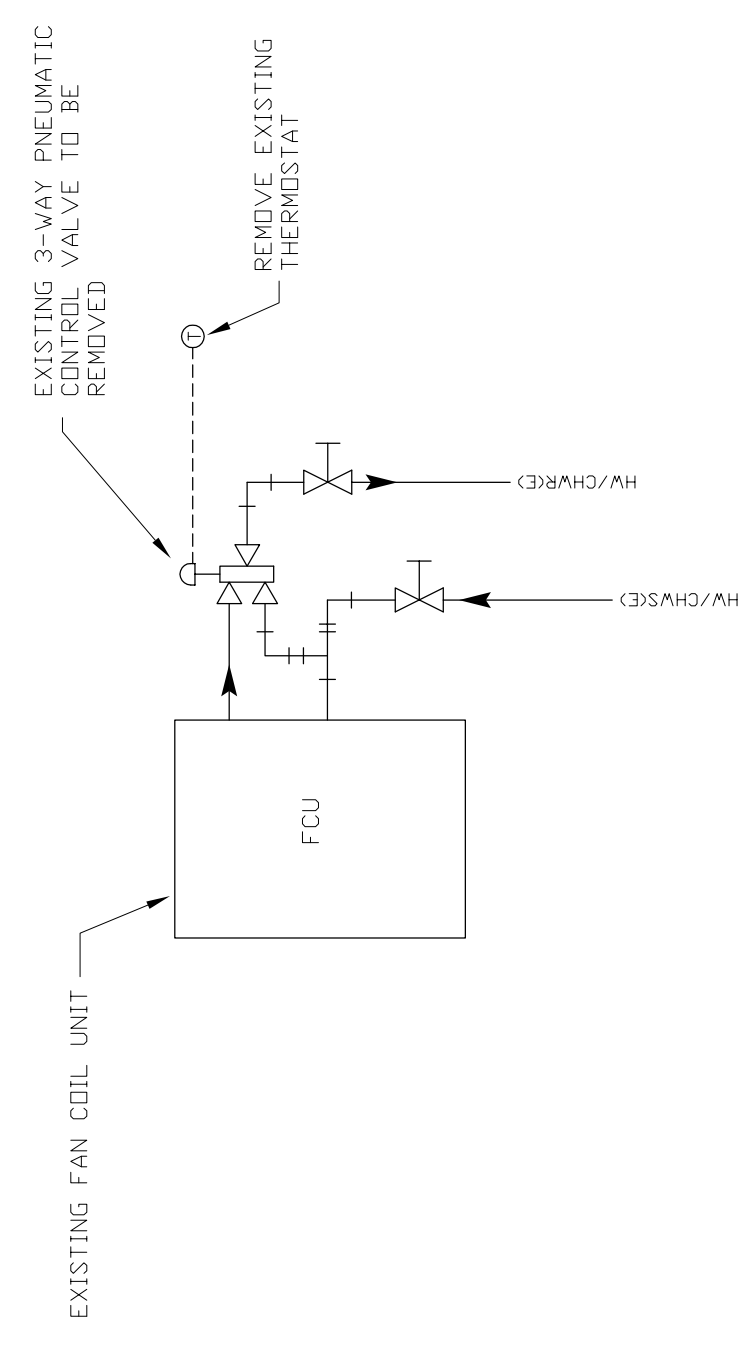


ROOF PLAN BUILDING A

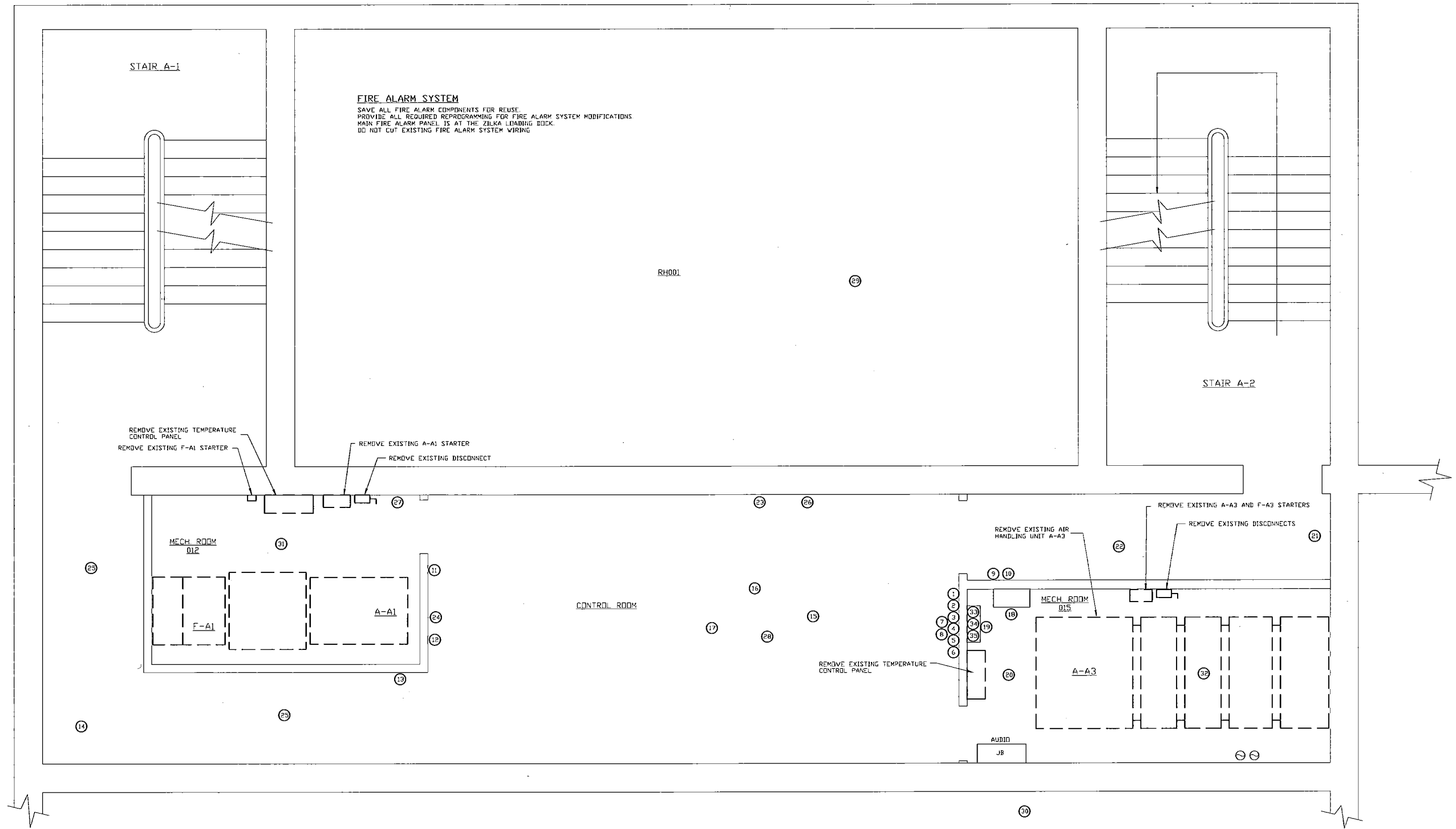
SCALE: 1/8" = 1'-0"

EXISTING FAN COIL PIPING SCHEMATIC

NOT TO SCALE

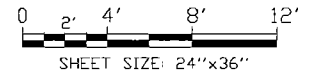
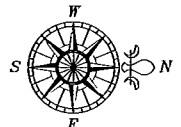






- 1 TRACK LIGHT SWITCH - RELOCATE
- 2 TELEPHONE - RELOCATE
- 3 FIRE ALARM PULL STATION - RELOCATE
- 4 FIRE ALARM STROBE - RELOCATE
- 5 LCD TIMER SWITCH - RETURN TO OWNER
- 6 RECEPTACLE - RELOCATE
- 7 DATA RECEPTACLE - RELOCATE
- 8 SECURITY SENSOR - **RELOCATE SALVAGE**
- 9 SECURITY KEYPAD - **RELOCATE SALVAGE**
- 10 SMOKE DETECTOR - DELETE
- 11 LCD TIMER SWITCH - RETURN TO OWNER
- 12 RECEPTACLE - RELOCATE
- 13 LIGHT SWITCH - RELOCATE
- 14 SMOKE DETECTOR - DELETE
- 15 SMOKE DETECTOR - RELOCATE
- 16 TWO TRACK LIGHT SECTIONS - RELOCATE ONE
- 17 LIGHT FIXTURE (4' FLUORESCENT) - RELOCATE

- 18 JUNCTION BOX - RELOCATE (5 CONDUITS IN AND OUT) 30 CONDUCTORS - AUDIO
- 19 JUNCTION BOX - RELOCATE (3 CONDUITS IN AND OUT) 16 CONDUCTORS - AUDIO
- 20 SMOKE DETECTOR - RELOCATE
- 21 OCCUPANCY SENSOR SWITCH - RETAIN
- 22 LIGHT FIXTURE (4' FLUORESCENT) - RELOCATE
- 23 WALL MOUNTED TRACK LIGHT - RELOCATE
- 24 COVER PLATE OVER ELECTRICAL BOX - DELETE
- 25 LIGHT FIXTURE (4' FLUORESCENT) - RELOCATE
- 26 FIBER LINE THROUGH FLOOR - **REMAIN PROTECT AUDIO LINE/DISCONNECT BY OTHERS**
- 27 LIGHT SWITCH - DELETE
- 28 CEILING MOUNTED OCCUPANCY SENSOR - RELOCATE
- 29 SMOKE DETECTOR - RELOCATE
- 30 LIGHT FIXTURE - RELOCATE
- 31 LIGHT FIXTURE - DELETE
- 32 LIGHT FIXTURE - DELETE
- 33 WIRELESS JUNCTION BOX - RELOCATE
- 34 RECEPTACLE - RELOCATE
- 35 FIRE ALARM JUNCTION BOX - RELOCATE



**SAREN ENGINEERING, INC.**

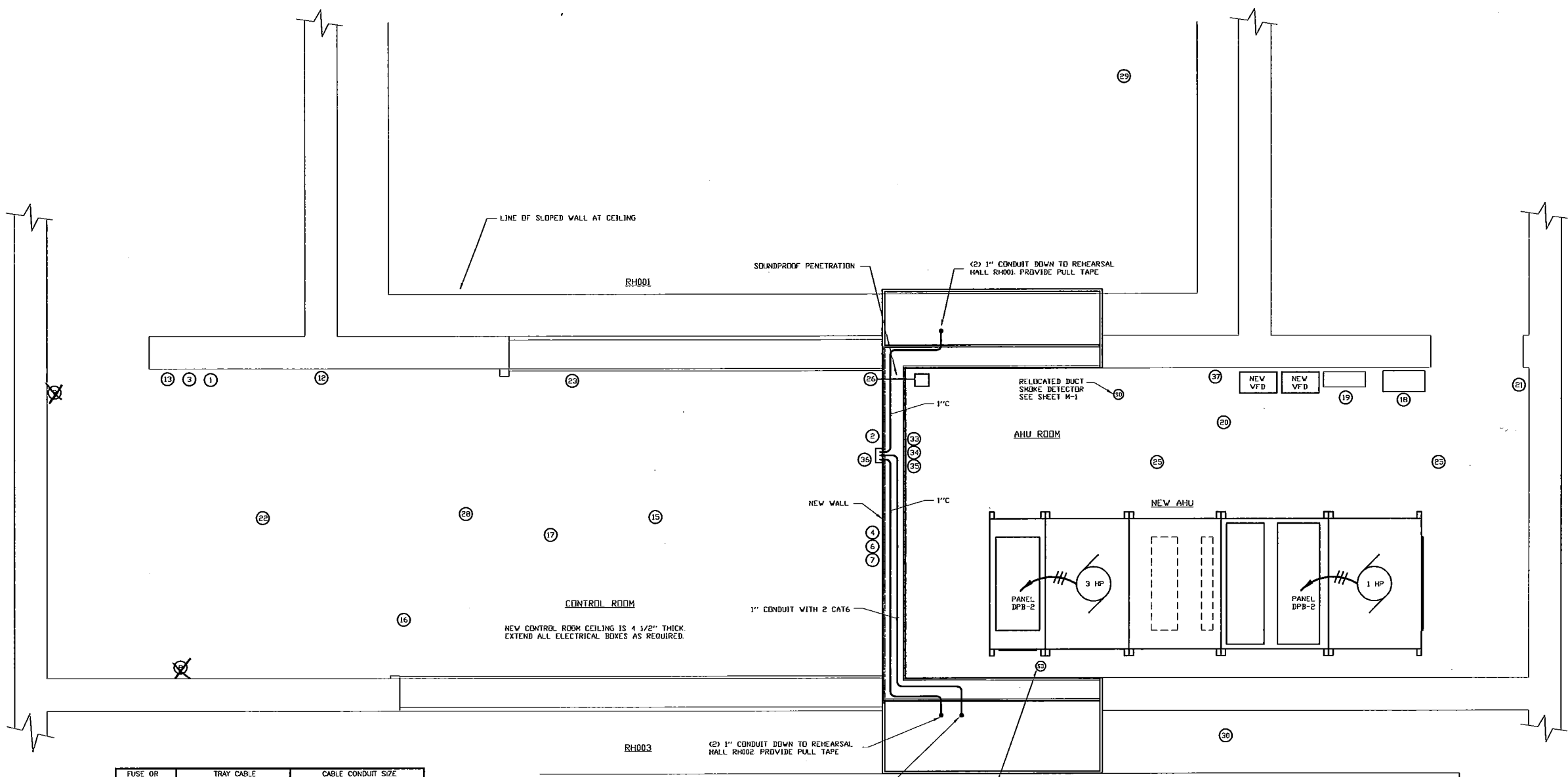
270 FARMINGTON AVENUE  
 FARMINGTON, CT 06032  
 TEL: (860) 678-1471  
 FAX: (860) 676-0471



DATE:	08-20-13
SCALE:	1/2" = 1'-0"
DRAWN:	RDC
CHECKED:	ROJ
JOB No.:	11-180

PROJECT: CFA BUILDING "A" REHEARSAL HALL  
 WESLEYAN UNIVERSITY  
 AHU REPLACEMENT  
 TITLE: ELECTRICAL DEMOLITION PLAN

**ED-1**



TRIP AMPERS	TRAY CABLE DESCRIPTION		CABLE CONDUIT SIZE		
	PHASE	GROUND	2 COND & GND	3 COND & GND	4 COND & GND
15	#14 (CONTROL)		N/A		
15	3 #12	1 #12 GND	3/4"		
20	3 #12	1 #12 GND	3/4"		
30	3 #10	1 #10 GND	1"		
40	3 #8	1 #10 GND	1 1/2"		
50	3 #8	1 #10 GND	1 1/2"		
60	3 #4	1 #8 GND	1 1/2"		
70	3 #4	1 #8 GND	1 1/2"		
80	3 #4	1 #8 GND	1 1/2"		
90	3 #2	1 #6 GND	2"		
100	3 #2	1 #6 GND	2"		
110	3 #2	1 #6 GND	2"		
125	3 #1/0	1 #6 GND	2"		
150	3 #1/0	1 #6 GND	2"		
175	3 #2/0	1 #6 GND	2 1/2"		
200	3 #1/0	1 #4 GND	3"		
225	3 #1/0	1 #4 GND	3"		
250	3 250 MCM	1 #4 GND	3"		
300	3 350 MCM	1 #3 GND	3"		
350	3 500 MCM	1 #2 GND	4"		
400	3 500 MCM	1 #2 GND	4"		
600	2 SETS 3 350 MCM	1 #1 GND	(2)3"		
800	2 SETS 3 500 MCM	1 #1/0 GND	(2)4"		

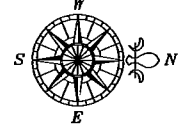
**CFA RECORDING STUDIO ELECTRICAL PLAN**

SCALE: 1/2" = 1'-0"

- 1 TRACK LIGHT SWITCH - RELOCATE
- 2 TELEPHONE - RELOCATE (ON SURFACE MOUNTED BOX)
- 3 FIRE ALARM PULL STATION - RELOCATE
- 4 FIRE ALARM STROBE - RELOCATE
- 5 RECEPTACLE - RELOCATE (ON SURFACE MOUNTED BOX)
- 6 DATA RECEPTACLE - RELOCATE
- 7 SECURITY SENSOR - RELOCATE
- 8 SECURITY KEYPAD - RELOCATE (REROUTE TO NEW ENTRANCE WALL)
- 9 RECEPTACLE - RELOCATE (ON SURFACE MOUNTED BOX)
- 10 LIGHT SWITCH - RELOCATE (TIE IN TWO FLUORESCENT FIXTURES: #17 & #22)
- 11 SMOKE DETECTOR - RELOCATE
- 12 TWO TRACK LIGHT SECTIONS - RELOCATE ONE
- 13 LIGHT FIXTURE (4' FLUORESCENT) - RELOCATE
- 14 JUNCTION BOX - RELOCATE

- 15 JUNCTION BOX - RELOCATE
- 16 SMOKE DETECTOR - RELOCATE
- 17 OCCUPANCY SENSOR SWITCH - RETAIN (WIRE TWO FIXTURES: #25)
- 18 LIGHT FIXTURE (4' FLUORESCENT) - RELOCATE (PROVIDE SWITCHING)
- 19 WALL MOUNTED TRACK LIGHT - RELOCATE
- 20 COVER PLATE OVER ELECTRICAL BOX - DELETE
- 21 LIGHT FIXTURE (4' FLUORESCENT) - RELOCATE
- 22 FIBER LINE THROUGH FLOOR - RETAIN (ROUTE THROUGH NEW WALL AT FLOOR BRASSIVE PROTECTIVE COVER)
- 23 AUDIO ISOLATION - RELOCATE (RELOCATE (TIE INTO FLUORESCENT FIXTURES #17 & #22 AND SWITCH #13)
- 24 SMOKE DETECTOR - RELOCATE
- 25 LIGHT FIXTURE - RELOCATE BELOW NEW DUCT
- 26 WIRELESS JUNCTION BOX - RELOCATE
- 27 RECEPTACLE - RELOCATE
- 28 FIRE ALARM JUNCTION BOX - RELOCATE
- 29 (3) HUBBEL 2 PORT DATA BOXES WITH CABLES. CONTRACTOR TO TERMINATE.
- 30 RECEPTACLE - NEW

REROUTE AUDIO CABLE TO NEW AUDIO RACK LOCATION. TERMINATIONS BY OTHERS



SHEET SIZE: 24"x36"

**SAREN ENGINEERING, INC.**  
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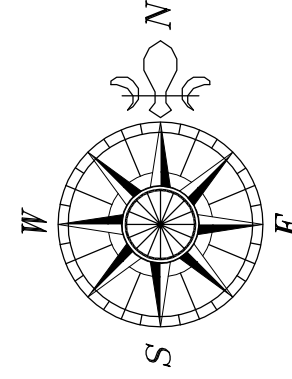


DATE:	08-20-13
SCALE:	AS NOTED
DRAWN:	RDC
CHECKED:	ROJ
JOB No.:	11-120

PROJECT: CFA BUILDING "A" REHEARSAL HALL  
 WESLEYAN UNIVERSITY  
 AHU REPLACEMENT  
 TITLE: ELECTRICAL PLAN

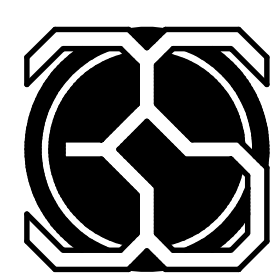
**E-1**



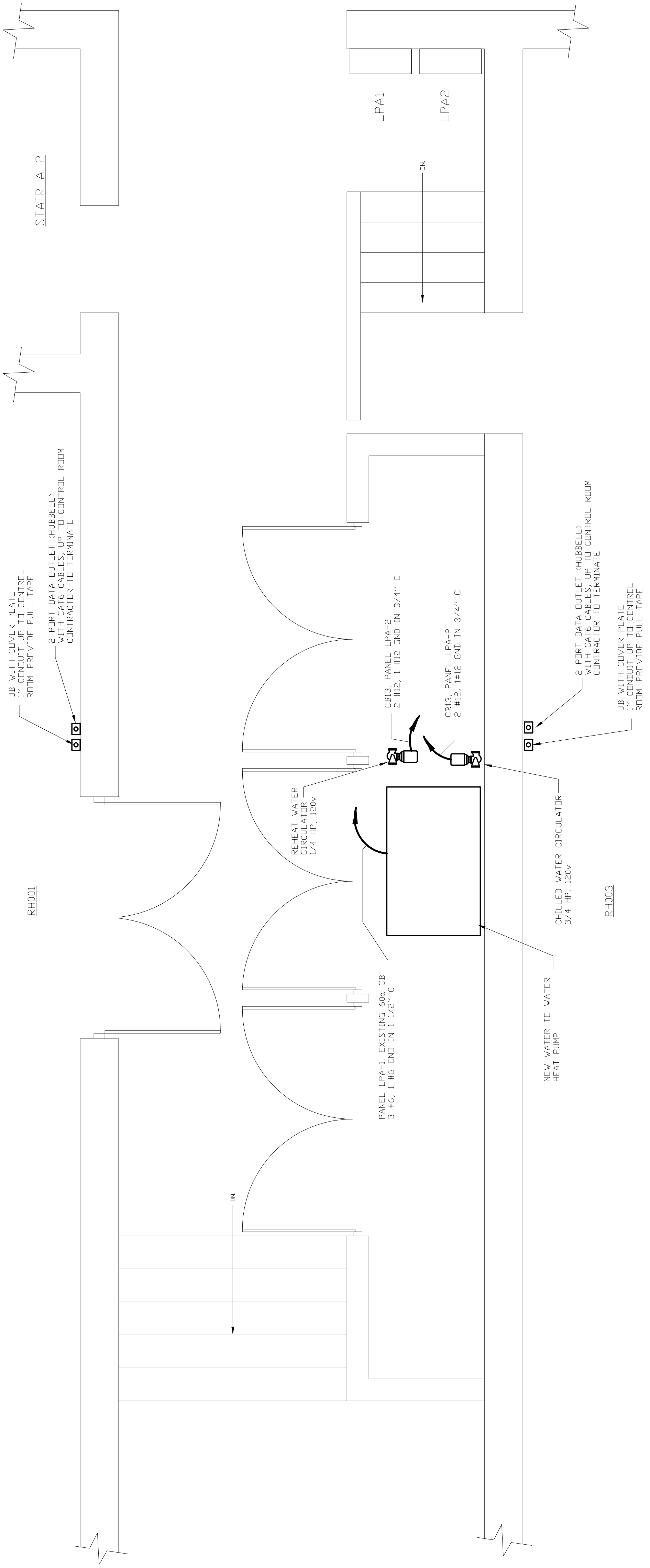


PROJECT: CFA BUILDING "A" REHEARSAL HALL  
WESLEYAN UNIVERSITY  
AHU REPLACEMENT  
ELECTRICAL PLAN

DATE:	02-20-13
SCALE:	AS NOTED
DRAWN:	RDC
CHECKED:	RJG
JOB No.:	11-120



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**STORAGE ROOM 004 - PLAN**

