

RESEARCH 1 - ABSL SUITE RENOVATION

**AndersonMasonDale
Architects**

100% CONSTRUCTION DOCUMENTS

21-717
Anschutz Research 1 - ABSL-3 Suite Renovation
12950 E. Montview Blvd.
Aurora, CO 80045
April 29, 2022

NOTE: NOT ALL ABBREVIATIONS AND SYMBOLS ARE USED ON DRAWINGS CONTAINED IN THE SET. SYMBOLS AND ABBREVIATIONS ON THIS SHEET APPLY ONLY TO ARCHITECTURAL DRAWINGS.

CAMPUS MAP



GRAPHIC SYMBOLS

TEXT SYMBOLS

CAMPUS

G-200	COVER SHEET
G-100	INDEX, CODE STUDY & ABBREVIATIONS
S-100	STRUCTURAL NOTES AND DETAILS
S-150	BASEMENT LEVEL PLANS
A-100	SCHEDULES, ELEVATIONS & DETAILS
A-200	MECHANICAL LEGENDS, SCHEDULES AND GENERAL NOTES
A-300	BASEMENT HVAC PLANS
A-350	INTERSTITIAL HVAC PLANS
P-101	BASEMENT PLUMBING PLANS
P-102	INTERSTITIAL PLUMBING PLANS

SHEET NUMBERING



KEYNOTES

 BRICK MASONRY

NAME: _____

TEXT SYMBOLS

BY
X CH X

UNIVERSITY OF COLOMBO - MEDICAL CAMPUS - RESEARCH 1, AUBURNA, COLOMBO 08445

The project will encompass the following:

- Addition of 2 hand arls
- Replacement of one Bioarray Cabinet

The new construction will not alter the means of access established under previous code versions. The building's overall occupancy will ne unchanged by the addition of the hand arls.

2018 International Building Code (IBC)
2018 International Existing Building Code (IEBC)
2018 International Residential Code (IRC)

CONSTRUCTION TYPE	
Type 1A	
OCCUPANCY	
B Office	
RUMMING AREA	
327,250 SF	
PROJECT AREA	
420 SF	

MEANS OF FORESS

Means of ages has been established under code versions and are unchanged.

EXIT NOTHS

Entrances and exits are shown as exits. Exits within and capacities have been established under previous code versions and are unchanged.

FINISH MATERIALS

STRUCTURAL CONCRETE TESTING			
ITEM	FREQUENCY	STANDARD	CRITERIA
CONCRETE COMPOSITE SAMPLE SLUMP/SLUMP FLOW	100 CY CUM YARD EACH COMPOSITE SAMPLE	ASTM C172 ASTM C119 SLUMP OR ASTM C1111 SLUMP FLOW	GET AT POINT OF PLACEMENT WITHIN 15 MINUTES MEASUREMENT 1 1/2" PERFORM ADDITIONAL TESTS WHEN CONCRETE COMPRESSION APPEARS TO CHANGE
TEMPERATURE	EACH COMPOSITE SAMPLE AND 60 MINUTE INTERVALS	ASTM C1064	REQUIRED WHEN AIR TEMPERATURE IS 40° F AND BELOW OR 80° F AND ABOVE
COMPRESSIVE STRENGTH	EACH COMPOSITE SAMPLE	ASTM C31 ASTM C1064 OR EITHER ASTM C1064 OR 6000 PSI CYLINDERS	TEST PER CYLINDER BE LOW: 17 DAYS OR MORE (3) 48 28 DAYS (2) 48 OR (3) 48 OR 6000 PSI CYLINDERS TEST PER CYLINDER BE LOW: DO NOT EXCEED 28 DAY TESTS DO NOT EXCEED 28 DAY TESTS (STRENGTH) ACCEPTANCE CRITERIA PER ACI 118
LOOR FINISHES REQUIREMENTS			
MEASURE CONCRETE SLAB THICKNESS AND FLOOR FINISHES	-	ASTM E1155	PERFORM MEASUREMENTS WITHIN 48 HOURS OF INDICATED IN THE SPECIFICATIONS
STRUCTURAL CONCRETE TESTING NOTES:			
NONDESTRUCTIVE TESTING MAY BE PERMITTED BY THE ARCHITECT. BUT WILL NOT BE USED AS SOLE BASIS FOR APPROVAL OR REJECTION OF DEFICIENT CONCRETE.			
CONCRETE TESTING SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING INFORMATION: SLUMP, COMPRE- HENSIVE STRENGTH, LOCATION OF CRACKS, BATCH NUMBER, DESIGN SLUMP, COMPRESSIVE STRENGTH, CONCRETE PLACEMENT, LOCATION OF CRACKS, BATCH NUMBER, DESIGN SLUMP, COMPRESSIVE STRENGTH, CONCRETE SAMPLER AND MIXTURE IN NUMBER, TIME OF BATCH AND PLACEMENT, AIR TEMPERATURE, SITE ADDED WATER AND ADMIXTURES, UNIT WEIGHT, AND IS REQUIRED BY ARCHITECT.			

[illegible][illegible][illegible]

	F _y (ksi)	F _x (ksi)	COMMENT
V2	-	-	SUBMIT CALCULATIONS FOR SUBSTITUTIONS

INFORMING STEEL TESTING		
		CRITERIA
N	TEST THE INSTALLATION OF THE FIRST 7' OF EACH TYPE BASE MATERIAL AND POSITION DOWN. MEASURE OVERHEAD, OBSERVE ANCHOR HANGERS EDGE DISTANCES TO DETERMINING THEIR QUALITY OF WORKMANSHIP TEST LOCATION ON THE NEAREST AVAILABLE PIERCEMENT TEST LOAD VALUES TO ENGINEER	

PENDING SPECIAL INSPECTIONS		
		CRITERIA
N	ANCHORS INSTALLATION PROCEDURE	
N	WELDER LENGTH, FINISH AND GASE MATERIAL	
N	INSPECTOR REQUIRED REGARDLESS IF PERIODIC INSPECTION IS PERMITTED BY ICCES REPORT VERIFY HOLE SIZE CLEANING, ANCHOR EMBEDMENT, EDGE DISTANCES AND SPACING	
N	EDGE DISTANCES AND ANCHOR FLUSH WITH AND PERPENDICULAR TO THE RECEIVING SURFACE	
N	THE TIME HAS ELAPSED PRIOR TO APPLICATION OF TORQUE OR LOAD TO ANCHOR	

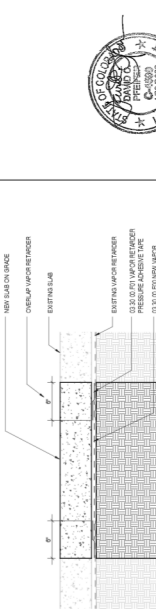
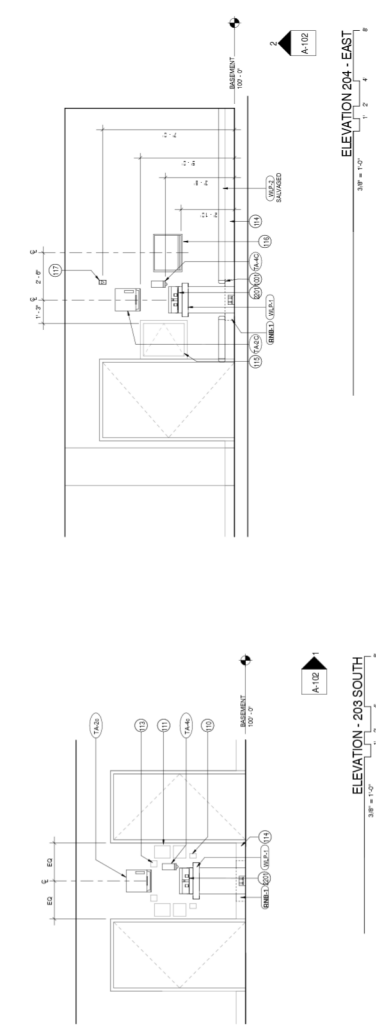
ADHESIVE IN CONCRETE		ANCHOR TYPE	PRODUCT	HEALTHY HY 200
POST-INSTALLED ANCHORS				
ADHESIVE ANCHORS, REINFORCING STEEL ANCHORED INTO HARDENED CONCRETE		ITEM	FREQUENCY	STANDARD
TENSION TEST			FIRST 1 AND 1% OF REMAINING	AUTOMATICALLY STATING TEST
POST-INSTALLED ANCHORS/REINFORCING STEEL				
ADHESIVE ANCHORS, REINFORCING STEEL ANCHORED INTO HARDENED CONCRETE		ITEM	FREQUENCY	STANDARD
PRIOR TO START OF WORK				REVIEW CONCRETE REPORT
DURING INSTALLATION OF ANCHOR			EACH ANCHOR	VERIFY TYPE CONTINGUOUS DIMENSIONS
AFTER INSTALLATION OF ATTACHED ASSEMBLY			100% VISUAL	VERIFY NUMBER OF ANCHORS
CURE TIME			100% VISUAL	VERIFY FULL CURE

FINISH LEGEND					
FINISH	FINISH #	FINISH NAME	TYPE	MPR	COMMENTS
CEILING					
PL-1	BS-18-01	PERIMETER FLOORING	STANDARD	STANDARD	TOP OF CAST OF EXISTING FLOOR
PL-2	BS-18-02	PERIMETER FLOORING	STANDARD	STANDARD	TOP OF CAST OF EXISTING FLOOR
WALL					
WS-1	BS-17-01	PERIMETER WALL	STANDARD	STANDARD	TOP OF EXISTING
WS-2	BS-17-02	PERIMETER WALL	STANDARD	STANDARD	TOP OF EXISTING
DOOR					
DS-1	BS-17-03	INTERIOR DOOR	STANDARD	STANDARD	TOP OF EXISTING
ACCESSES					
AS-1	BS-17-04	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-2	BS-17-05	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-3	BS-17-06	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-4	BS-17-07	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-5	BS-17-08	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-6	BS-17-09	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-7	BS-17-10	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-8	BS-17-11	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-9	BS-17-12	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-10	BS-17-13	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-11	BS-17-14	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-12	BS-17-15	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-13	BS-17-16	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-14	BS-17-17	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-15	BS-17-18	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-16	BS-17-19	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-17	BS-17-20	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-18	BS-17-21	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-19	BS-17-22	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-20	BS-17-23	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-21	BS-17-24	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-22	BS-17-25	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-23	BS-17-26	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-24	BS-17-27	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-25	BS-17-28	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-26	BS-17-29	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-27	BS-17-30	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-28	BS-17-31	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-29	BS-17-32	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-30	BS-17-33	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-31	BS-17-34	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-32	BS-17-35	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
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AS-37	BS-17-40	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-38	BS-17-41	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-39	BS-17-42	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-40	BS-17-43	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-41	BS-17-44	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-42	BS-17-45	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-43	BS-17-46	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-44	BS-17-47	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-45	BS-17-48	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-46	BS-17-49	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-47	BS-17-50	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-48	BS-17-51	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-49	BS-17-52	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-50	BS-17-53	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-51	BS-17-54	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-52	BS-17-55	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-53	BS-17-56	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-54	BS-17-57	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-55	BS-17-58	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-56	BS-17-59	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-57	BS-17-60	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-58	BS-17-61	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-59	BS-17-62	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-60	BS-17-63	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-61	BS-17-64	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-62	BS-17-65	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-63	BS-17-66	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-64	BS-17-67	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-65	BS-17-68	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-66	BS-17-69	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-67	BS-17-70	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-68	BS-17-71	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-69	BS-17-72	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-70	BS-17-73	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-71	BS-17-74	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-72	BS-17-75	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-73	BS-17-76	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-74	BS-17-77	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-75	BS-17-78	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-76	BS-17-79	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-77	BS-17-80	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-78	BS-17-81	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-79	BS-17-82	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-80	BS-17-83	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-81	BS-17-84	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-82	BS-17-85	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-83	BS-17-86	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-84	BS-17-87	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-85	BS-17-88	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-86	BS-17-89	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-87	BS-17-90	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-88	BS-17-91	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-89	BS-17-92	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-90	BS-17-93	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-91	BS-17-94	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-92	BS-17-95	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-93	BS-17-96	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-94	BS-17-97	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-95	BS-17-98	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-96	BS-17-99	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-97	BS-17-100	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-98	BS-17-101	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-99	BS-17-102	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING
AS-100	BS-17-103	INTERIOR ACCESS	STANDARD	STANDARD	TOP OF EXISTING

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SECTION DETAIL - VAPOR BARRIER

Scale
100% Construction Documents

Date
28 APRIL 2022

Project Number
21-177

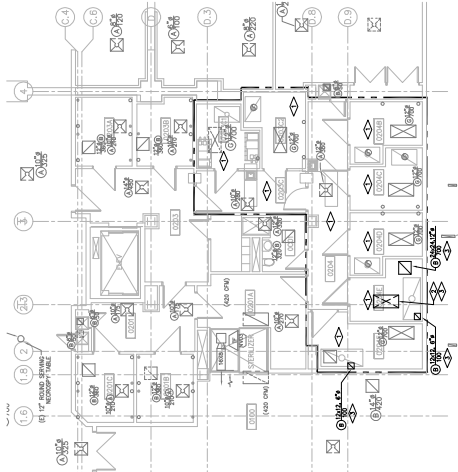
Drawn By
JF

Reviewed By
JT

Approved By
DP

SCHEDULE ELEVATIONS &
DETAILS

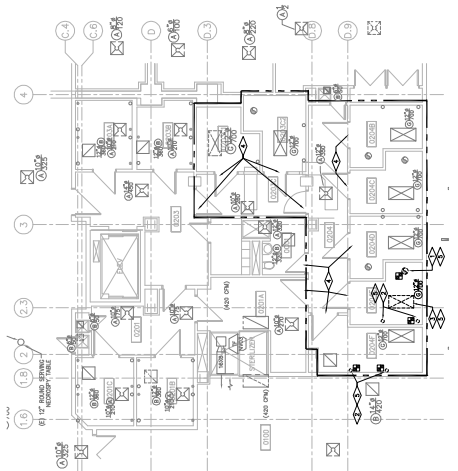
A-102



BASEMENT HVAC DEMO PLAN
SCALE: 1/8"=1'-0"

DEMO KEY NOTES:

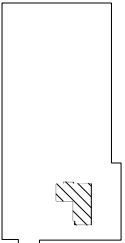
1. REMOVE AIR-TO-AIR CONNECTION TO BAC.
2. REMOVE RISER DUCT AND DUCT.
3. REMOVE EXISTING CEILING DIFFUSER, BLANKET FOR RE-USE.
4. REMOVE EXISTING CEILING DIFFUSER, BLANKET FOR RE-USE.
5. COORDINATE WITH ELEC FOR FLOODING, PAVING, CHANGING, ETC. OF
6. COORDINATE WITH ELEC FOR FLOODING, PAVING, CHANGING, ETC. OF



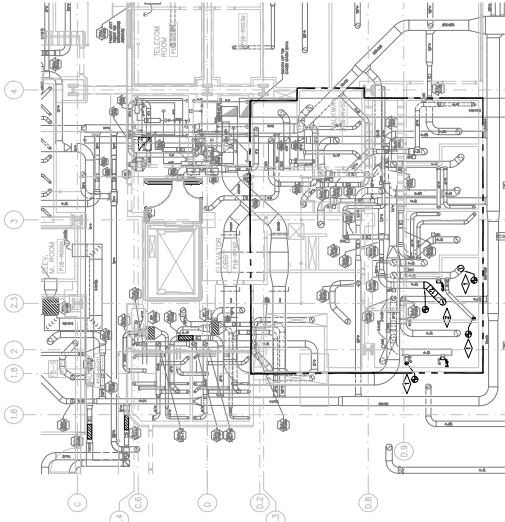
BASEMENT HVAC PLAN
SCALE: 1/8"=1'-0"

NEW KEY NOTES:

1. REMOVE AIR-TO-AIR CONNECTION TO BAC.
2. REMOVE RISER DUCT AND DUCT.
3. REMOVE EXISTING CEILING DIFFUSER, BLANKET FOR RE-USE.
4. REMOVE EXISTING CEILING DIFFUSER, BLANKET FOR RE-USE.
5. COORDINATE WITH ELEC FOR FLOODING, PAVING, CHANGING, ETC. OF
6. COORDINATE WITH ELEC FOR FLOODING, PAVING, CHANGING, ETC. OF



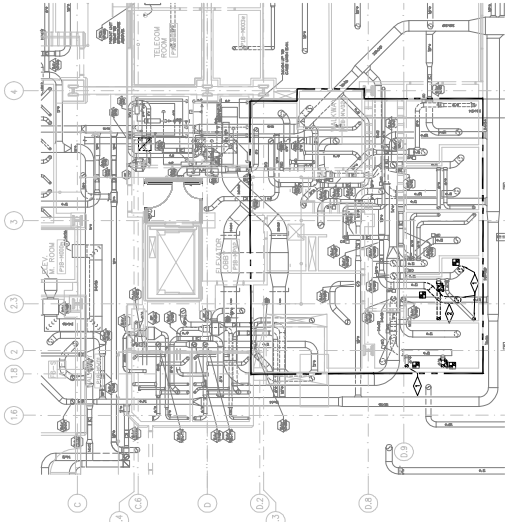
NORTH BLDG
KEY PLAN



INTERSTITIAL HVAC DEMO PLAN
SCALE: 1/8"=1'-0"

DEMO KEY NOTES:

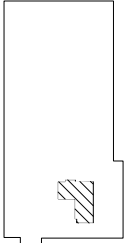
- REMOVE EXISTING OF EXISTING DUCT TO REPAIR FOR INSTALLATION OF NEW DUCT.
- EXISTING DUCT TO BE REMOVED TO RELOCATE THE SUPPLY DIFFUSER.



INTERSTITIAL HVAC PLAN
SCALE: 1/8"=1'-0"

NEW KEY NOTES:

- CONNECT EXISTING EXHAUST DUCT TO NEW BACK-PAN OF NEW EXHAUST FAN.
- CONNECT EXISTING 14" SUPPLY DUCT TO RELOCATED DIFFUSER.



NORTH BLDG
KEY PLAN

