

Iowa Department of Administrative Services

313 LANEDALE
ROCKWELL CITY, IOWA 50579

IDAS 9501.00 DOC NCCF AIR HANDLER REPLACEMENT

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AIR HANDLER
REPLACEMENT

313 LANEDALE
ROCKWELL CITY, IOWA 50579

Iowa Department of
Administrative Services



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2882 106TH STREET
DES MOINES, IA 50322
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PROFESSIONAL SEAL

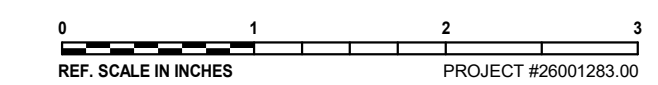
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KEY PLAN

AGENCY APPROVAL

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REVISIONS

No.	Date	Revision / Issue

SHEET INFORMATION

Issue	100% CD
Date	4/29/2026
Project #	26001283.00
Drawn	Author
Checked	Checker
Approved	Approver

SHEET TITLE
PROJECT COVERSHEET

SCALE

Scale: _____

SHEET NUMBER

G000

VICINITY MAP



PROJECT LOCATION



APPLICABLE CODES

BUILDING CODE:	IBC 2024 EDITION
FIRE CODE:	IFC 2024 EDITION
PLUMBING CODE:	UPC 2024 EDITION
MECHANICAL CODE:	IMC 2024 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2023 EDITION
LIFE SAFETY CODE:	NFPA 101 2012 EDITION
ENERGY CONSERVATION CODE:	IECC 2012

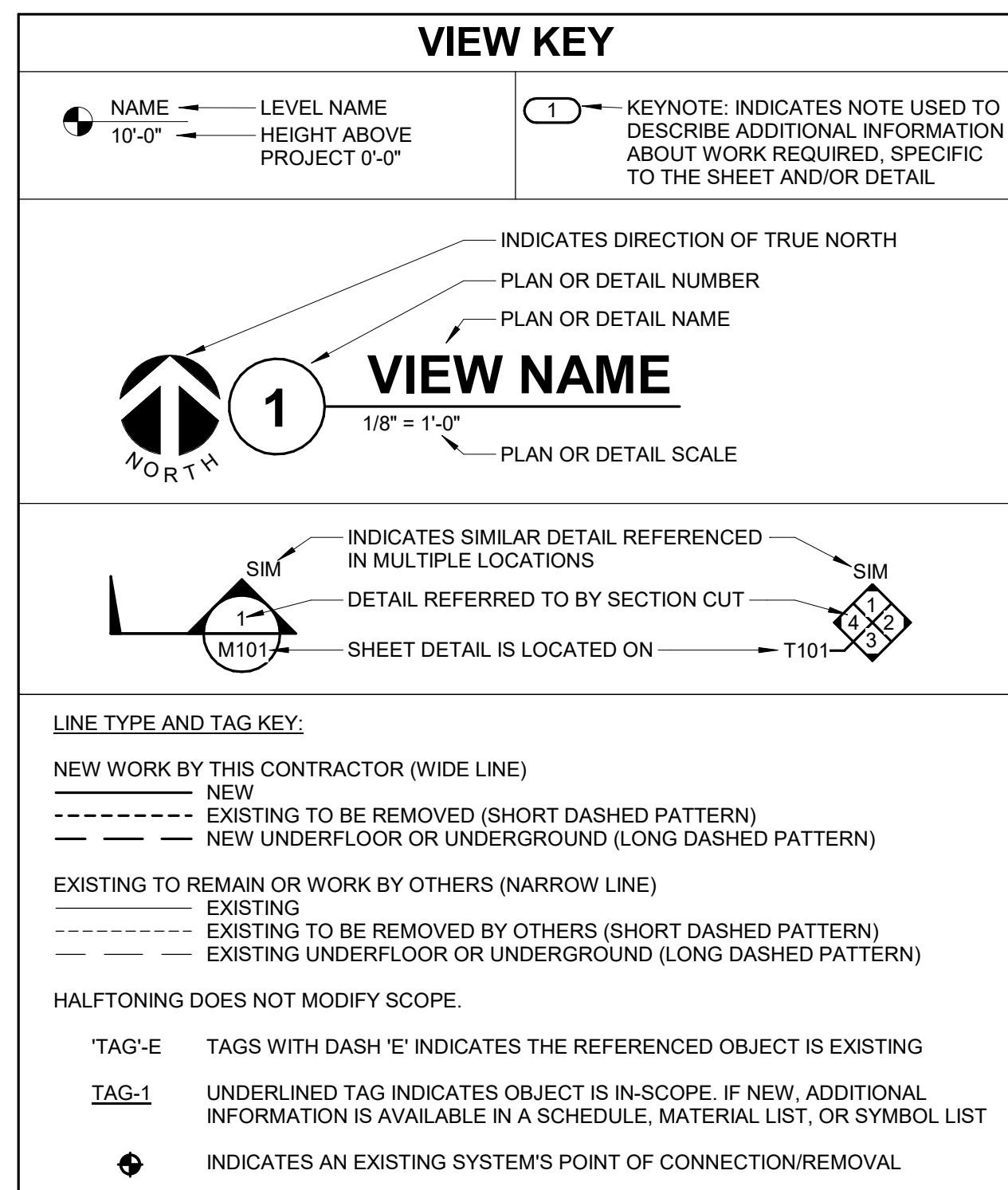
SCOPE OF WORK

PROVIDING THREE NEW COOLING ONLY, DX FAN COIL UNITS TO REPLACE TWO OLD UNITS AND ONE UNIT THAT IS TO BE SALVAGED AND HANDED OVER TO THE OWNER. CONDENSING UNITS SHALL BE REPLACED AND SALVAGED AS NOTED ON PLAN.

PROJECT DIRECTORY

CLIENT:	Iowa Department of Administrative Services
MECHANICAL ENGINEER:	EVAN HAMMER 2882 106TH STREET DES MOINES, IA 50322 PHONE: 515-334-7934 EMAIL: Evan.J.Hammer@imegcorp.com
ELECTRICAL ENGINEER:	TONY DELOUIS 2882 106TH STREET PHONE: 515-334-4317 EMAIL: Tony.E.DeLouis@imegcorp.com

26001283.00 4/27/2026 10:21:30 PM IDAS 9501.00 DOC NCCF AIR HANDLER REPLACEMENT



FIRE / SMOKE BARRIER DESIGNATIONS

FIRE AND SMOKE SEPARATIONS ARE NOT SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS AND DETERMINE THE LOCATIONS OF ALL FIRE AND SMOKE PARTITIONS, BARRIERS, AND WALLS. THIS INCLUDES FLOOR RATINGS, PRICING SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO MAINTAIN THE RATINGS OF ALL RATED SEPARATIONS, WHETHER SHOWN ON THE ENGINEERING PLANS OR NOT.

APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

BUILDING CODE:	IBC 2024 EDITION
FIRE CODE:	IFC 2024 EDITION
PLUMBING CODE:	UPC 2021 EDITION
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2023 EDITION
ENERGY CONSERVATION CODE:	IECC 2012
LOCAL BUILDING CODE:	CURRENT EDITION

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
A.V.C.	AUDIO/VISUAL CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
N.C.C.	NURSE CALL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO VENTILATION & PIPING.

- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
- FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF WALLS AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
- WHERE EXISTING MECHANICAL SYSTEMS DIFFER FROM THOSE SHOWN ON THE PROJECT DRAWINGS AND CREATE CONFLICTS WITH NEW EQUIPMENT, PIPING, OR DUCTWORK INSTALLATIONS, THE CONTRACTOR SHALL PROVIDE DETAILED DOCUMENTATION (SUCH AS SKETCHES, PHOTOS, AND DIMENSIONS) ALONG WITH RECOMMENDATIONS TO RESOLVE THE CONFLICT. THIS INFORMATION MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. NO WORK RELATED TO THE CONFLICT SHALL PROCEED UNTIL AN APPROVED RESOLUTION IS PROVIDED BY THE ENGINEER.
- PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
- OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.
- PROPERLY RECLAIM AND DISPOSE OF ALL REFRIGERANT IN REMOVED EQUIPMENT/ REFRIGERANT PIPING. RECLAIMED REFRIGERANT SHALL HAVE DOCUMENTATION AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHLJ).

SYMBOL LIST - PIPING SYSTEMS

SYMBOL	DESCRIPTION	* F	FLUID TYPE
DPP	DRAIN - PIPING		
HWR	HEATING WATER RETURN	150	Water
HWS	HEATING WATER SUPPLY	180	Water
LIQ	REFRIGERANT LIQUID	120	Water
SUC	REFRIGERANT SUCTION	35	Water

HVAC ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT
DN	DOWN
NIC	NOT IN CONTRACT
SCCR	SHORT CIRCUIT CURRENT RATING
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED

DUCT ABBREVIATION KEY

ABBR.	DESCRIPTION
EA	EXHAUST AIR
OA	OUTSIDE AIR
SA	SUPPLY AIR

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	NATE JACQUES
MECHANICAL	EVAN HAMMER
ELECTRICAL	TONY DELOUIS

PIPING GENERAL NOTES:

- PIPE DRAIN LINES FROM EQUIPMENT TO NEAREST FLOOR DRAIN.
- INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.

VENTILATION GENERAL NOTES:

- UNLESS NOTED OTHERWISE, DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. MAINTAIN CLEAR DIMENSIONS INSIDE ANY LINING.
- PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT.
- EXISTING AIR INLET AND OUTLET CFM SHOWN ON DRAWINGS ARE FROM EXISTING DRAWINGS, AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL USE PRE-BALANCE VALUES, AND NOT EXISTING CFM SHOWN ON DRAWINGS.
- CONTRACTOR MAY REUSE PORTIONS OF EXISTING DUCT PROVIDED SIZES AND PRESSURE CLASSES ARE CORRECT. DUCT IS THOROUGHLY CLEANED AND FREE OF DEFECTS, AND ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS ARE SEALED AS SPECIFIED FOR NEW DUCTWORK.

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO VENTILATION, & PIPING.

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL BE GIVEN PRECEDENCE OVER THE MODEL NUMBER. THE FIRST MANUFACTURER SCHEDULED IS THE BASIS OF DESIGN.
- DETERMINATION OF QUANTITIES OF MATERIAL AND EQUIPMENT REQUIRED SHALL BE MADE BY THE CONTRACTOR FROM THE DOCUMENTS, WHERE MATERIAL AND/OR QUANTITY DISCREPANCIES ARISE BETWEEN DRAWINGS, SCHEDULES AND/OR SPECIFICATIONS, THE HIGHER QUALITY / GREATER NUMBER SHALL GOVERN.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATIONAL MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- SEAL ALL FLOOR & WALL PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
- MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC.

TAB PRE-DEMOLITION NOTES:

- BEFORE ANY DEMOLITION WORK IS BEGUN, AN AIR BALANCE TEST SHALL BE PERFORMED BY THE TESTING, ADJUSTING AND BALANCING (TAB) CONTRACTOR FOR EQUIPMENT AND DEVICES AS INDICATED ON THE DRAWINGS.
- PROVIDE DUCT TRAVERSE READINGS AT LOCATIONS DESIGNATED ON THE DRAWINGS.
 - IN THE EVENT A DUCT TRAVERSE LOCATION AS MARKED ON THIS PLAN IS INACCESSIBLE FOR MEASUREMENT, THE TAB CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR READINGS AS REQUIRED TO DETERMINE THE AIRFLOW READING WHERE THE DUCT TRAVERSE SYMBOL IS SHOWN. IN THE EVENT TRAVERSES ARE TAKEN AT ALTERNATE LOCATION(S), TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
 - TAKE A DUCT STATIC PRESSURE READING AT EACH LOCATION WHERE A DUCT TRAVERSE READING IS TAKEN AND INCLUDE IN THE FINAL PRE-DEMOLITION TAB REPORT.
- TAB CONTRACTOR SHALL COMPILE AND SUBMIT THE FINAL PRE-DEMOLITION REPORT WITHIN 10 WORKING DAYS AFTER THE FIELD MEASUREMENTS ARE COMPLETED. FINAL TAB REPORT SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT/ENGINEER. TESTING SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.

TAB POST-CONSTRUCTION NOTES:

- AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND BALANCING CONTRACTOR SHALL REBALANCE AIR HANDLING UNITS AS REQUIRED TO ACHIEVE THE NEW AIRFLOW VALUES SHOWN ON THE CONSTRUCTION DRAWINGS.
- AREAS SERVED BY THIS EQUIPMENT WHICH WERE NOT RENOVATED SHALL BE REBALANCED TO THE AIRFLOW RATES MEASURED BEFORE THE RENOVATION OCCURRED (REFER TO THE FINAL PRE-DEMOLITION REPORT).
- IF DUCT TRAVERSE LOCATION AS MARKED ON THE DRAWINGS IS INACCESSIBLE FOR MEASUREMENT, THE TAB CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR GRILLE READINGS AS REQUIRED TO DETERMINE THE FLOW RATE. IN THE EVENT TRAVERSES ARE TAKEN AT AN ALTERNATE LOCATION(S), TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
- A DUCT STATIC PRESSURE READING SHALL BE TAKEN AT EACH LOCATION WHERE A DUCT TRAVERSE READING IS TAKEN AND SHALL BE INCLUDED IN THE FINAL POST-CONSTRUCTION TAB REPORT.
- TAB CONTRACTOR SHALL COMPILE AND SUBMIT COPIES OF THE FINAL POST-CONSTRUCTION TAB REPORT AS REQUIRED BY SECTION 23 05 93.
- THE FINAL POST CONSTRUCTION REPORT SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.

HVAC SHEET INDEX

M000	HVAC COVERSHEET
M100	BASEMENT DEMOLITION PLAN - HVAC
M101	LEVEL 01 DEMOLITION PLAN - HVAC
M102	LEVEL 02 DEMOLITION PLAN - HVAC
M210	BASEMENT PLAN - VENTILATION
M211	LEVEL 01 PLAN - VENTILATION
M212	LEVEL 02 PLAN - VENTILATION
M400	HVAC DETAILS
M500	HVAC SCHEDULES
GRAND TOTAL: 9	

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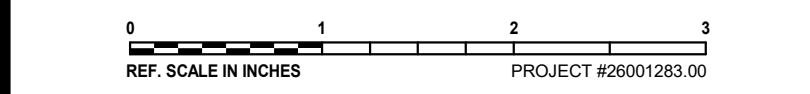
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KEY PLAN

AGENCY APPROVAL

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REVISIONS

No. Date Revision / Issue

SHEET INFORMATION

Issue	100% CD
Date	4/29/2026
Project #	26001283.00
Drawn	EJH
Checked	NKJ
Approved	NKJ

SHEET TITLE

HVAC COVERSHEET

SCALE

Scale: As indicated

SHEET NUMBER

M000

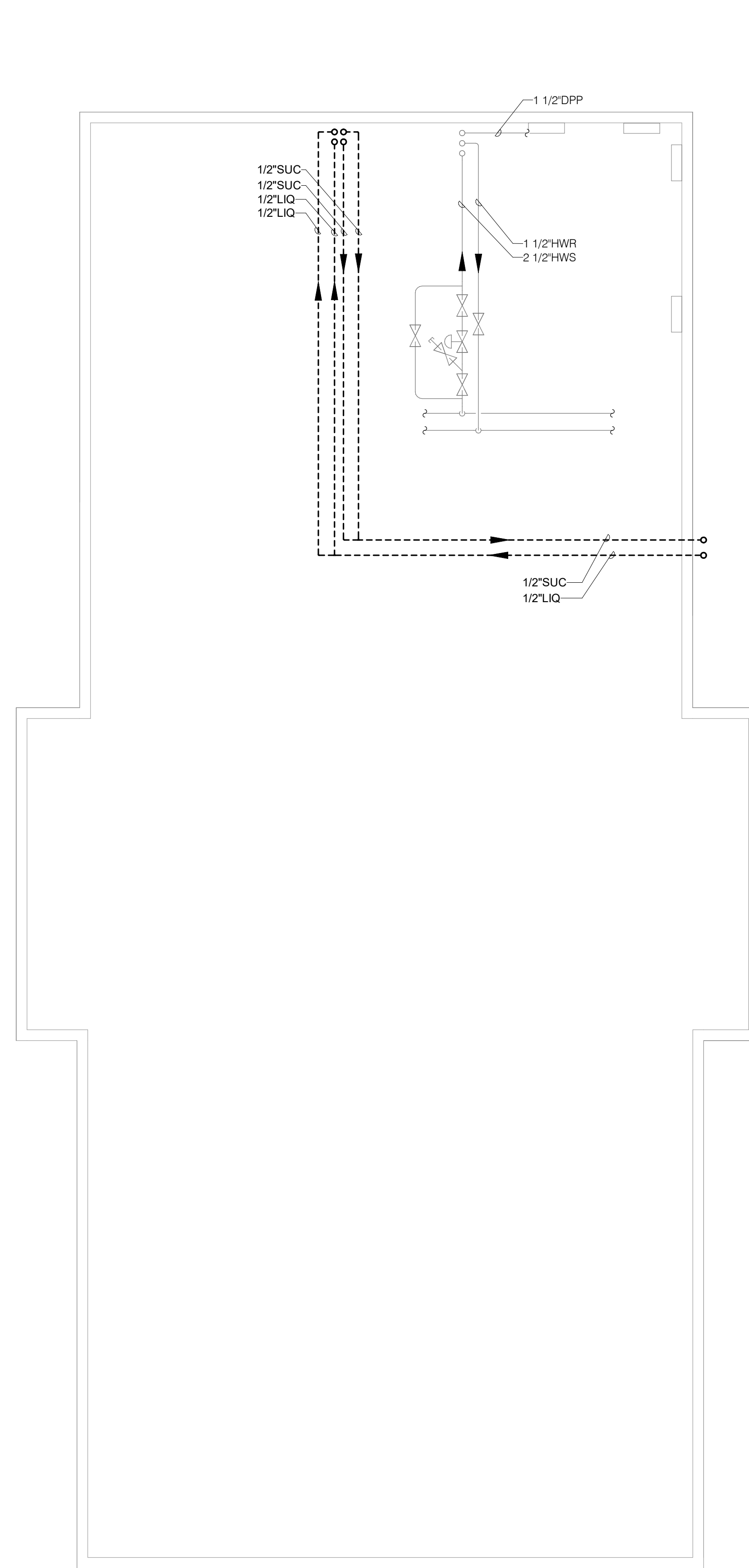
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1

BASEMENT DEMOLITION PLAN - UNIT A - HVAC

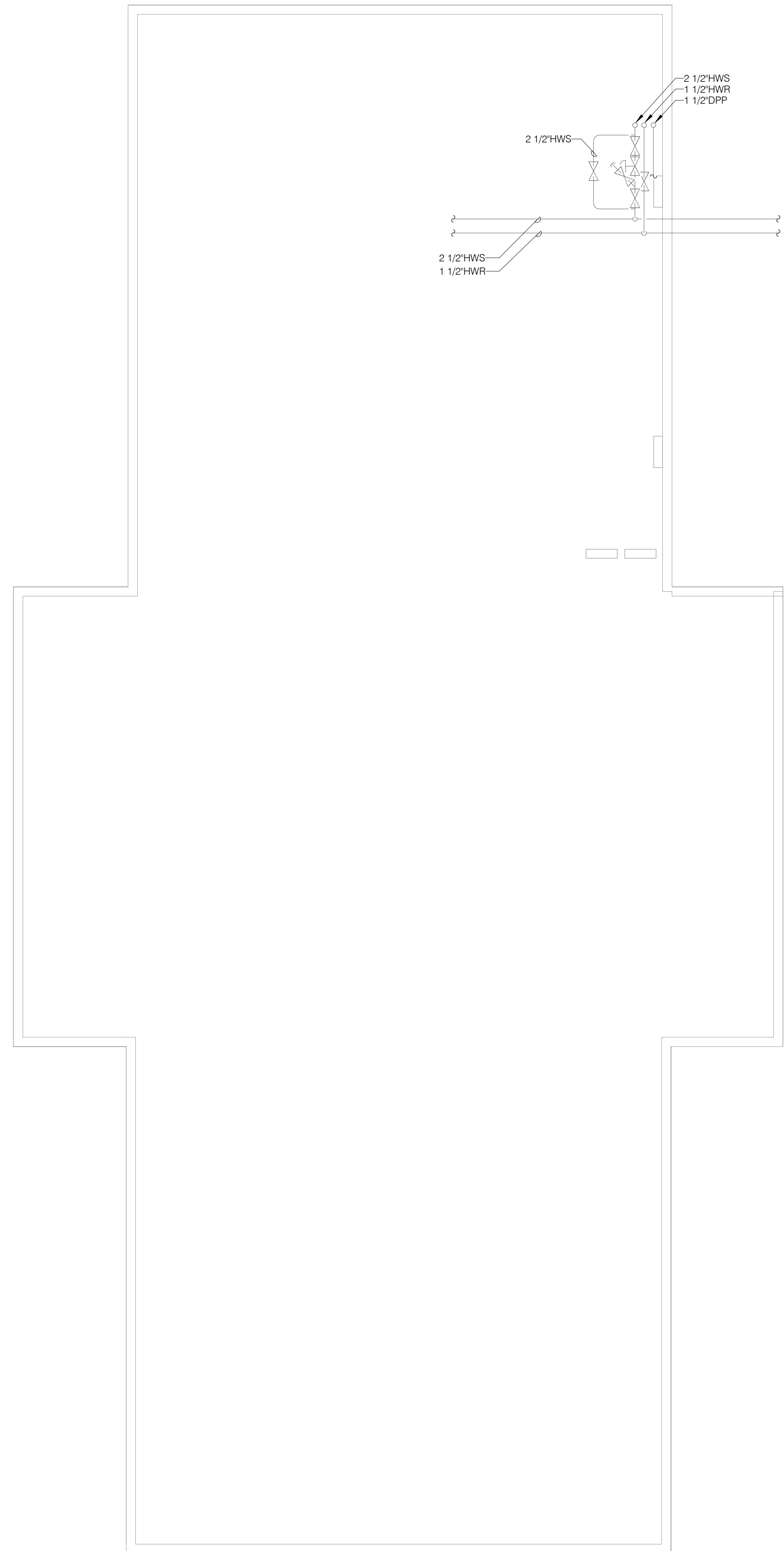
1/4" = 1'-0"



2

BASEMENT DEMOLITION PLAN - UNIT B - HVAC

1/4" = 1'-0"



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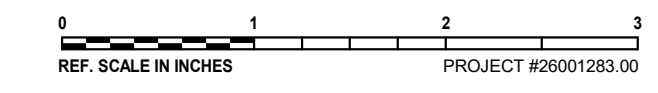
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BASEMENT DEMOLITION PLAN - HVAC

SCALE

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

SHEET NUMBER

M100

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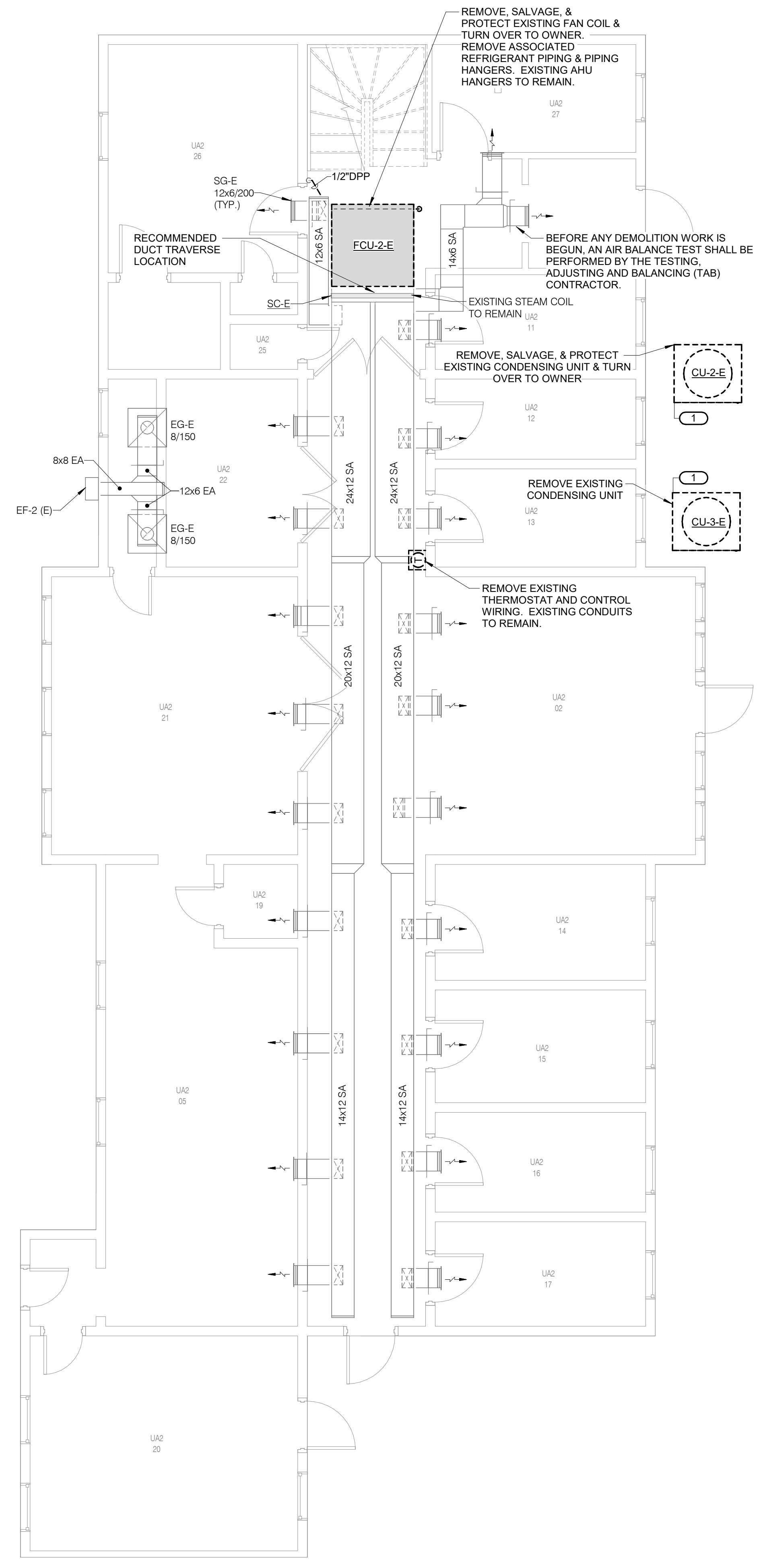
KEYNOTES:
1. CONDENSING UNIT IS INSTALLED ON GRADE ON PAD OUTSIDE OF BUILDING.

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1 LEVEL 01 DEMOLITION PLAN - UNIT A - HVAC
1/4" = 1'-0"

PROFESSIONAL SEAL

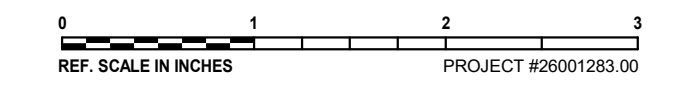
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Approved	NKJ

LEVEL 01 DEMOLITION PLAN - HVAC

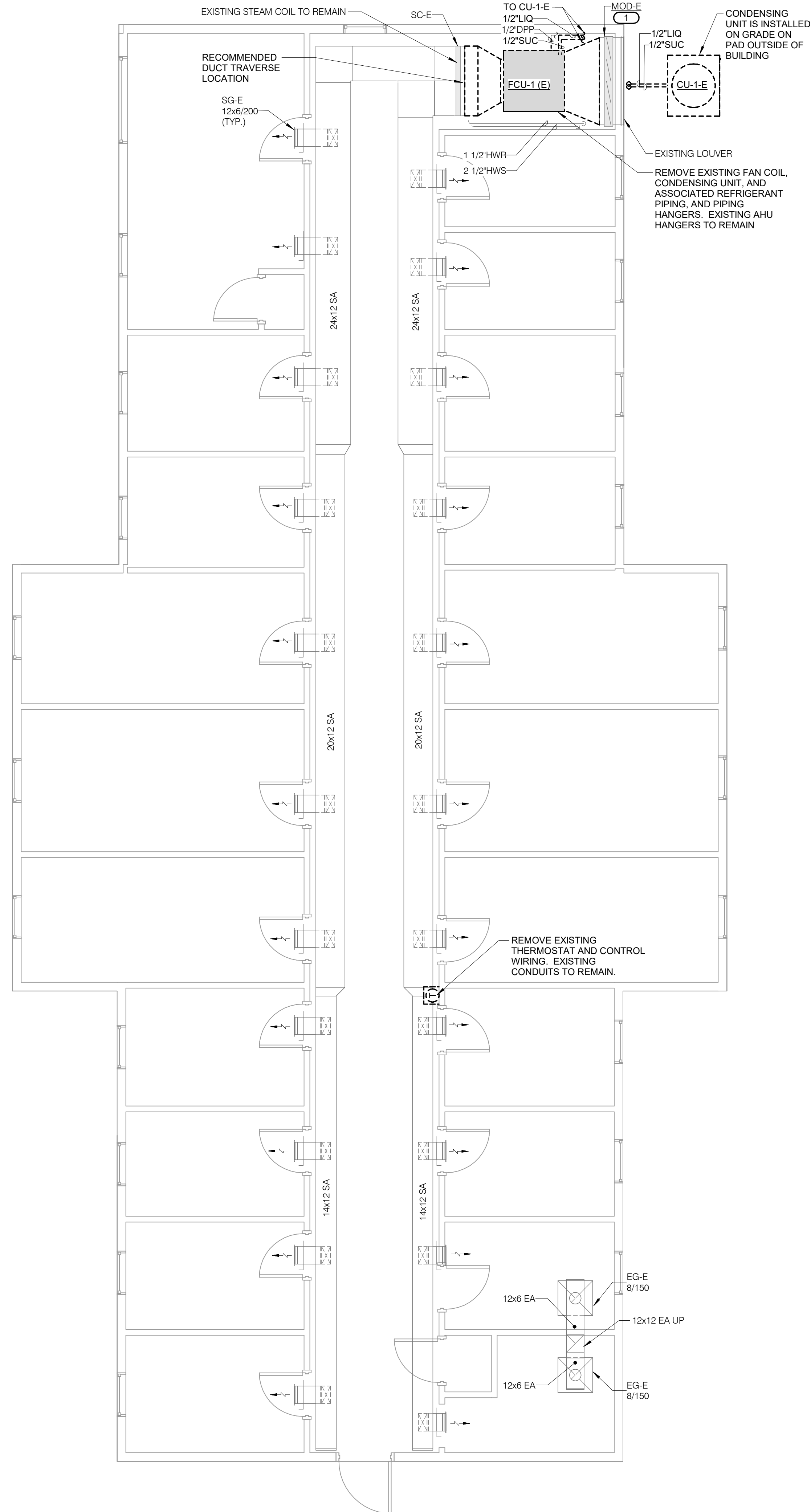
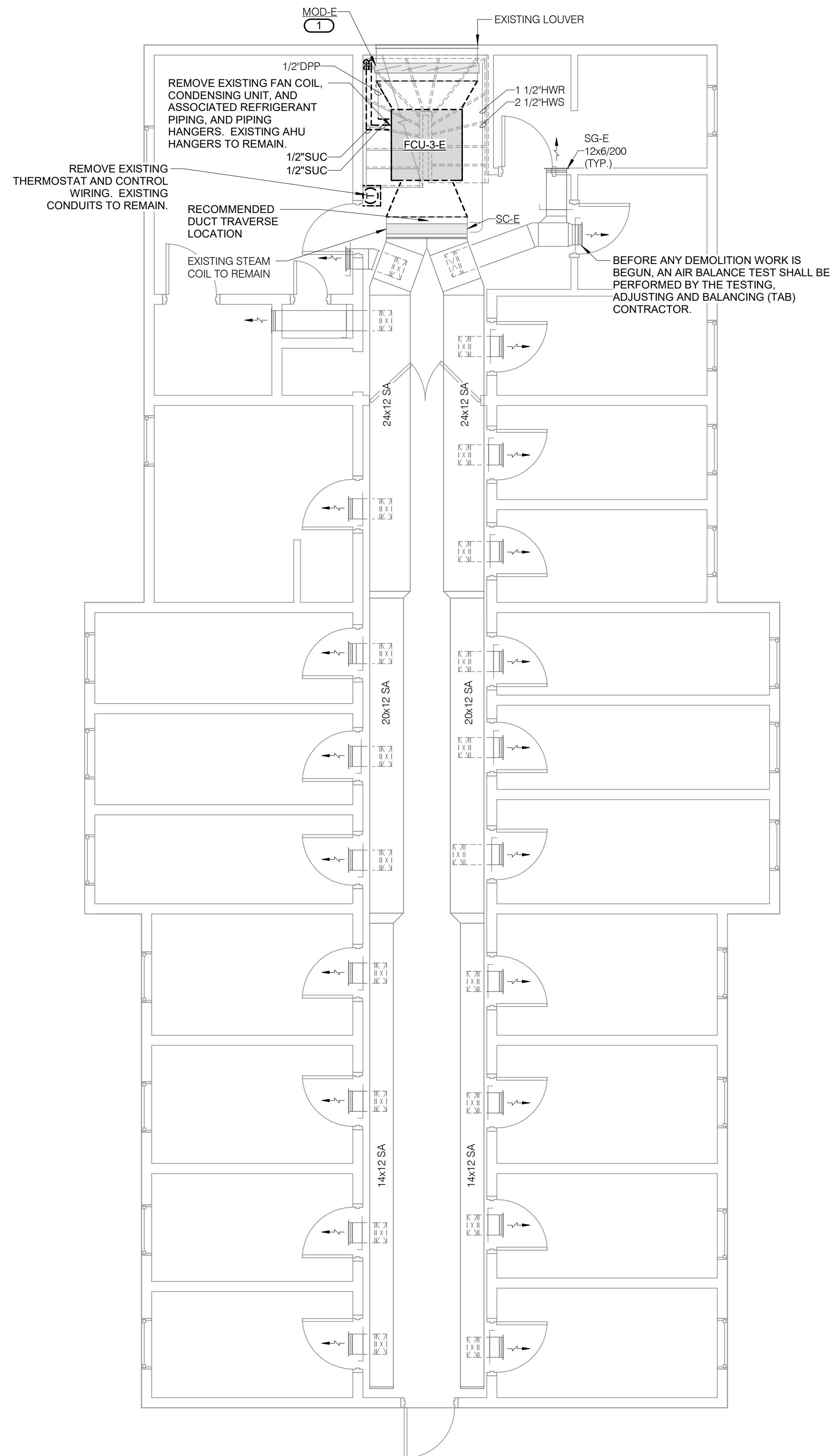
SCALE

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

SHEET NUMBER

M101

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KEYNOTES:
1. RETURN AND OA DAMPERS ARE TO REMAIN.

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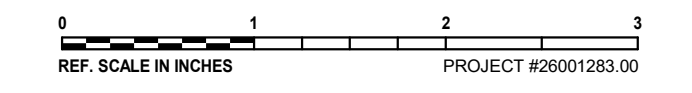
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LEVEL 02 DEMOLITION PLAN - HVAC

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

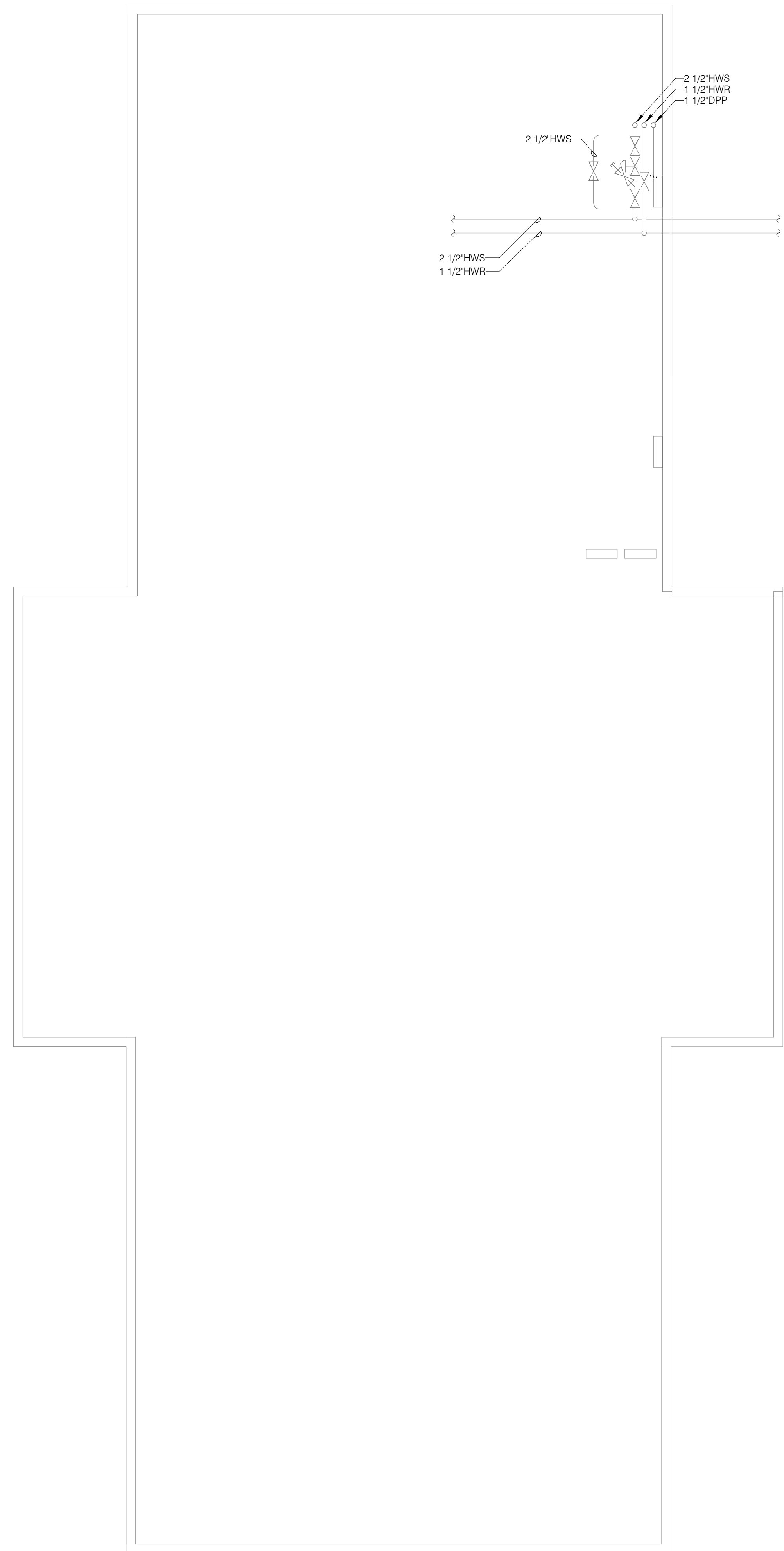
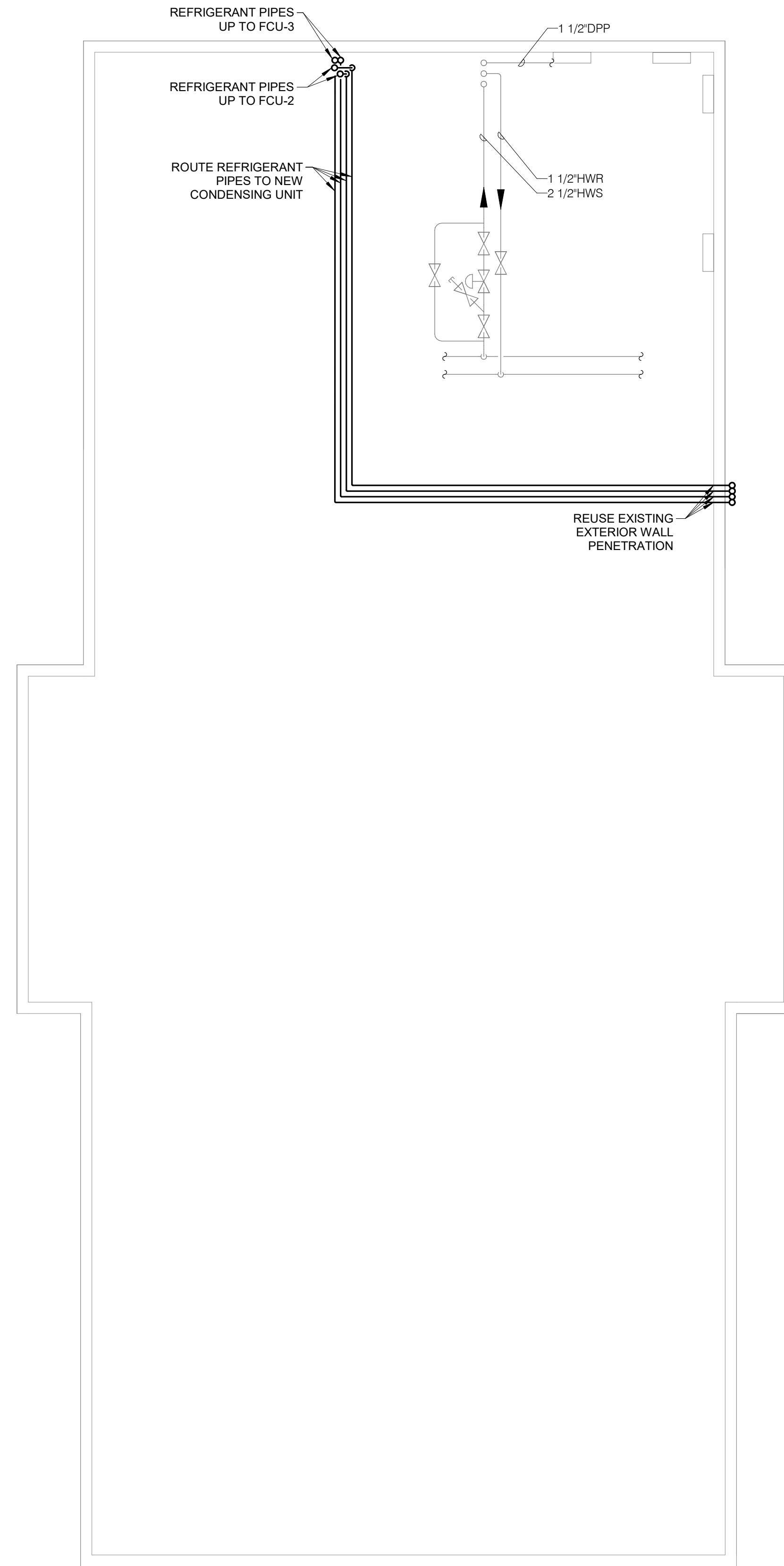
SHEET NUMBER

M102

1 LEVEL 02 DEMOLITION PLAN - UNIT A - HVAC
1/4" = 1'-0"

2 LEVEL 02 DEMOLITION PLAN - UNIT B - HVAC
1/4" = 1'-0"

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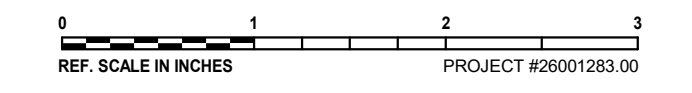
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BASEMENT PLAN - VENTILATION

SCALE

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

SHEET NUMBER

M210

1 BASEMENT PLAN - UNIT A - VENTILATION
1/4" = 1'-0"

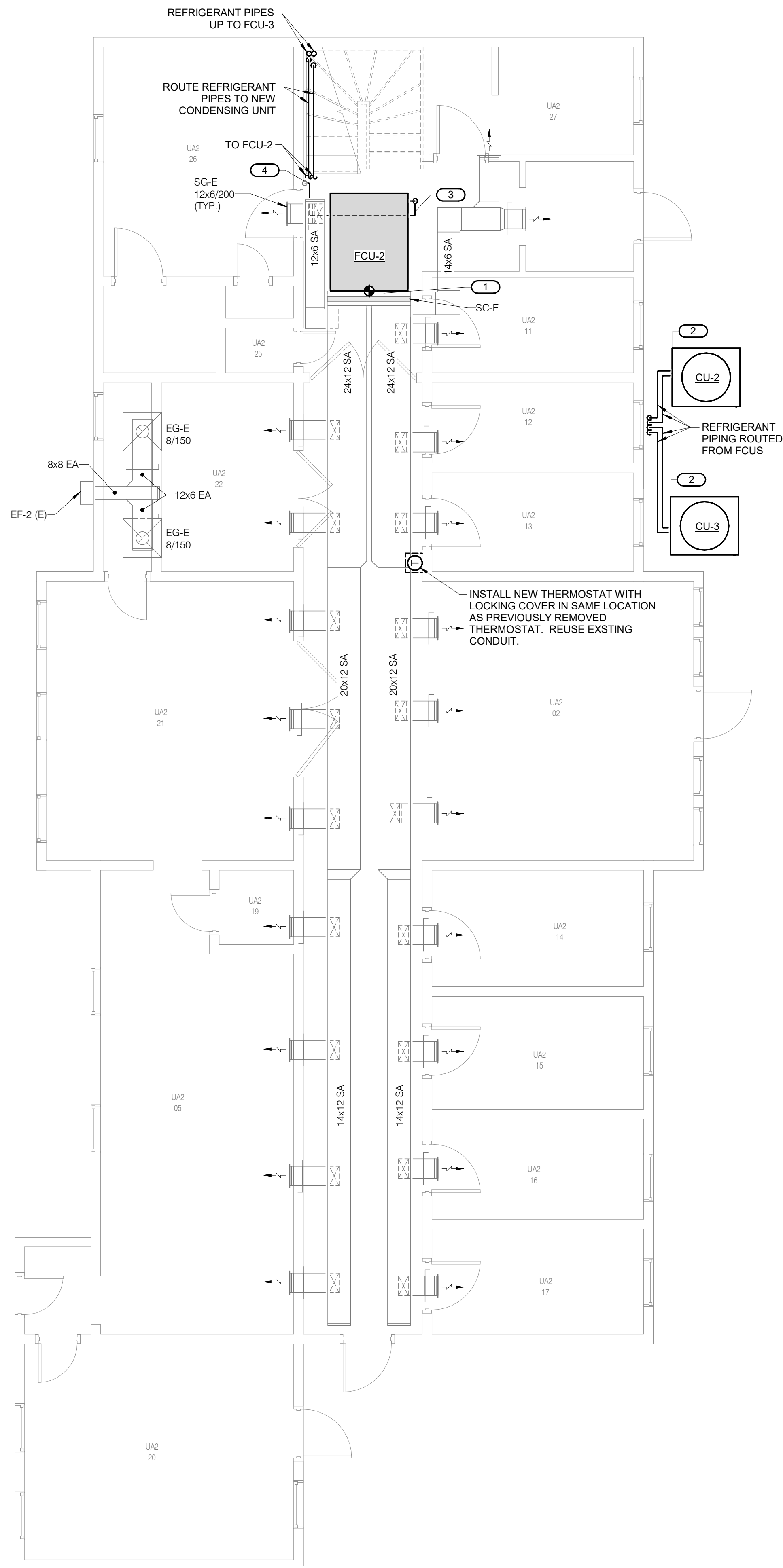
2 BASEMENT PLAN - UNIT B - VENTILATION
1/4" = 1'-0"

26001283.00 4/27/2026 10:07:26 PM IDAS 9501.00 DOC NCCF AIR HANDLER REPLACEMENT



1 LEVEL 01 PLAN - UNIT A - VENTILATION

1/4" = 1'-0"



- KEYNOTES:**
1. NEW DUCTWORK SHALL HAVE PAINT GRIP AND BE PAINTED TO MATCH EXISTING DUCTWORK. COORDINATE WITH NCCF FOR SAMPLE MATCHING.
 2. INSTALL CONDENSING UNIT ON EXISTING PAD IN SAME LOCATION AS PREVIOUSLY REMOVED CONDENSING UNIT.
 3. ROUTE CONDENSATE PIPING UNDER UNIT TIGHT TO UNDERSIDE OF UNIT. ROUTE PIPING NEXT TO ANGLE SUPPORTING FCU.
 4. TIE INTO EXISTING CONDENSATE PIPING.

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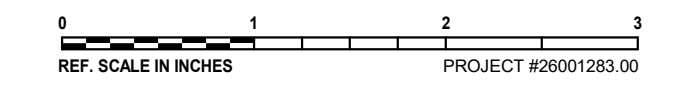
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REVISIONS

No.	Date	Revision / Issue

SHEET INFORMATION

Issue	100% CD
Date	4/29/2026
Project #	26001283.00
Drawn	EJH
Checked	NKJ
Approved	NKJ

SHEET TITLE

LEVEL 01 PLAN - VENTILATION

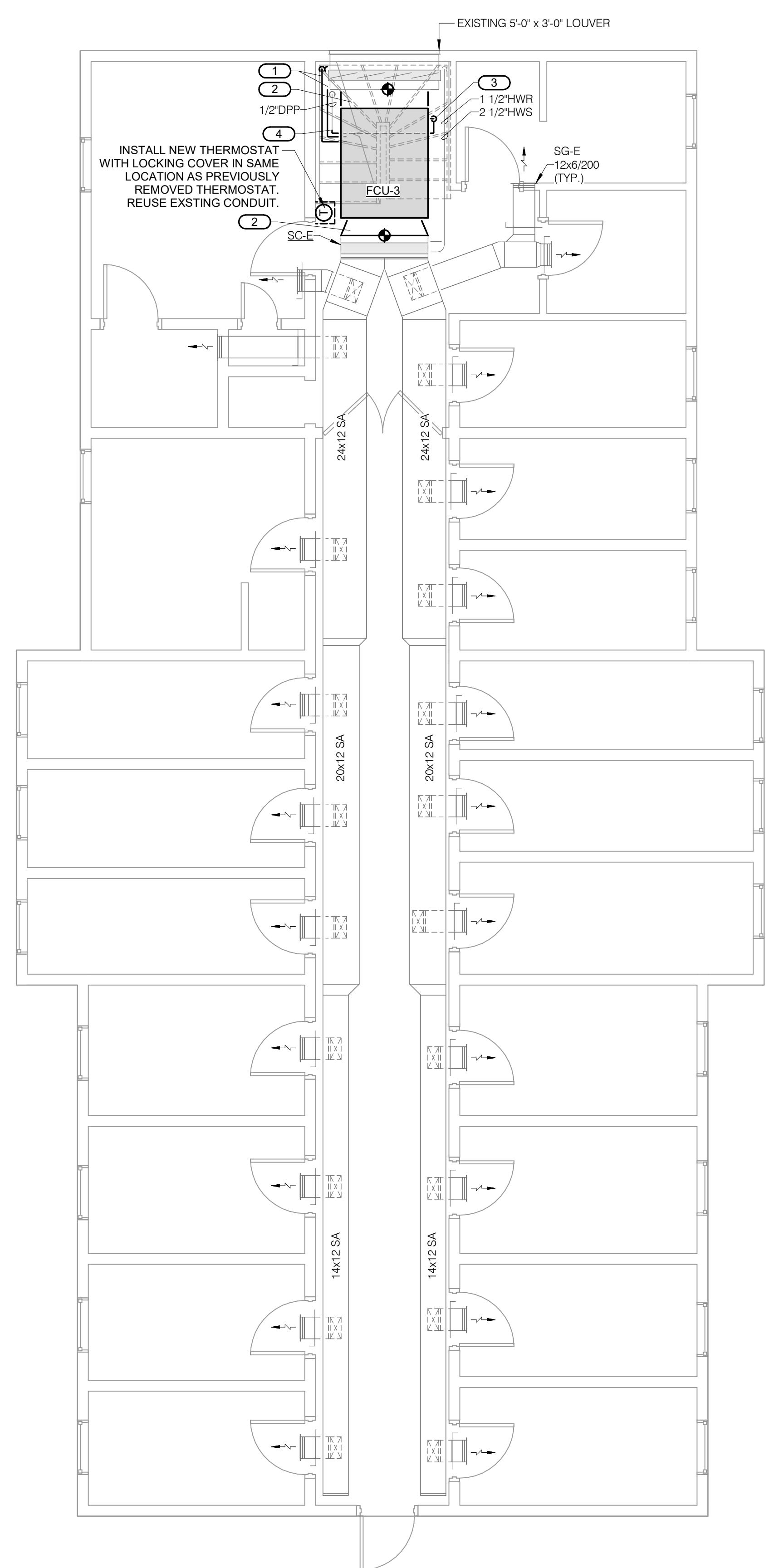
SCALE

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

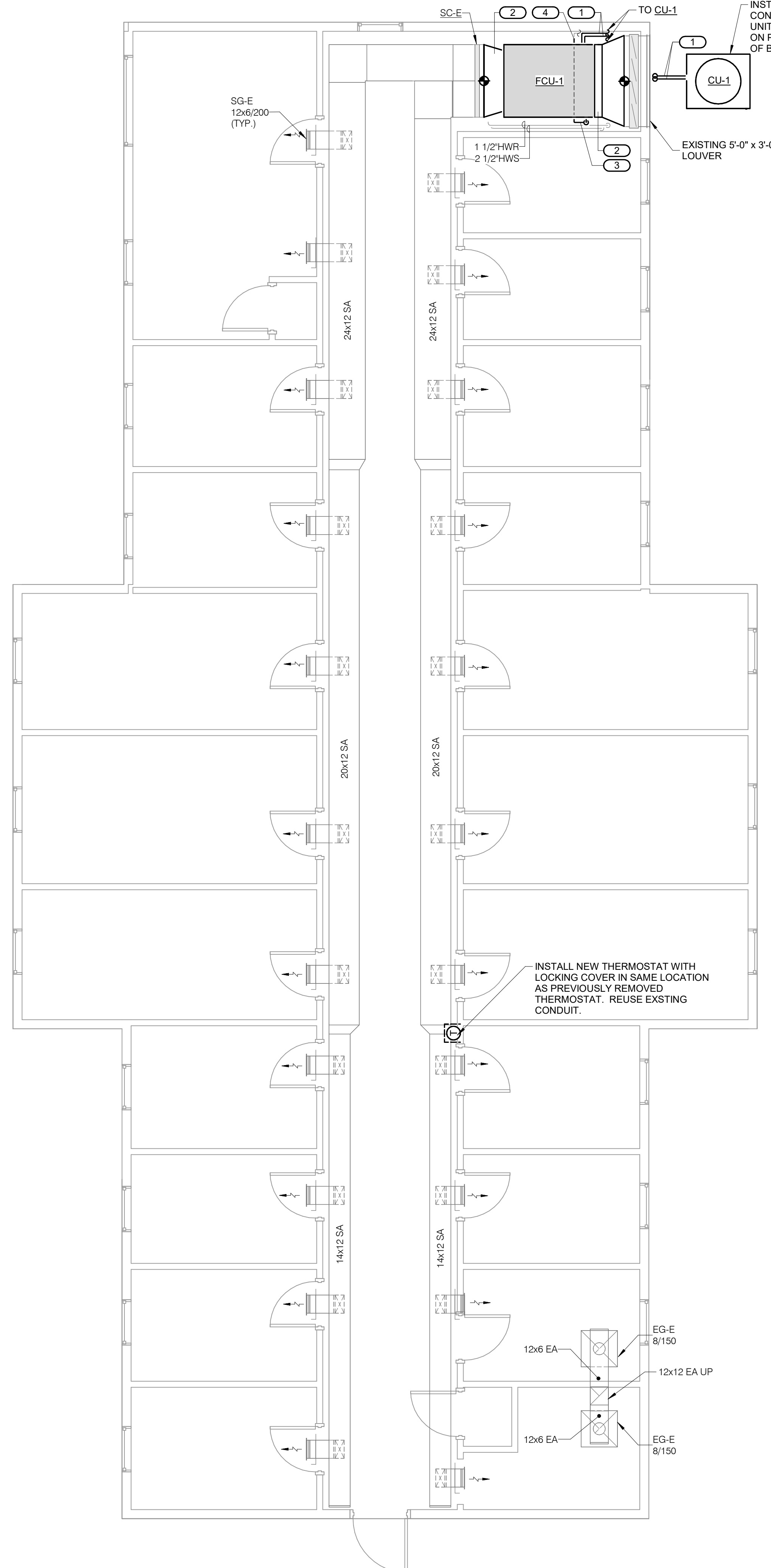
SHEET NUMBER

M211

26001283.00 4/27/2026 10:07:28 PM IDAS 9501.00 DOC NCCF AIR HANDLER REPLACEMENT



1 LEVEL 02 PLAN - UNIT A - VENTILATION
1/4" = 1'-0"



2 LEVEL 02 PLAN - UNIT B - VENTILATION
1/4" = 1'-0"

- KEYNOTES:**
1. ROUTE REFRIGERANT PIPES TO NEW CONDENSING UNIT. REUSE THE SAME EXTERIOR WALL PENETRATION EXISTING SPLIT SYSTEM USED.
 2. NEW DUCTWORK SHALL HAVE PAINT GRIP AND BE PAINTED TO MATCH EXISTING DUCTWORK. COORDINATE WITH NCCF FOR SAMPLE MATCHING.
 3. ROUTE CONDENSATE PIPING UNDER UNIT TIGHT TO UNDERSIDE OF UNIT. ROUTE PIPING NEXT TO ANGLE SUPPORTING FCU.
 4. TIE INTO EXISTING CONDENSATE PIPING.

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Issue	100% CD
Date	4/29/2026
Project #	26001283.00
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Approved	NKJ

SHEET TITLE
LEVEL 02 PLAN - VENTILATION

SCALE
1/4" = 1'-0"

SHEET NUMBER
M212

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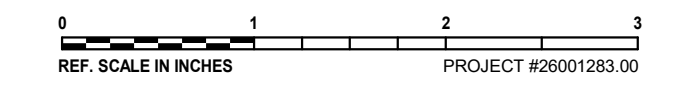
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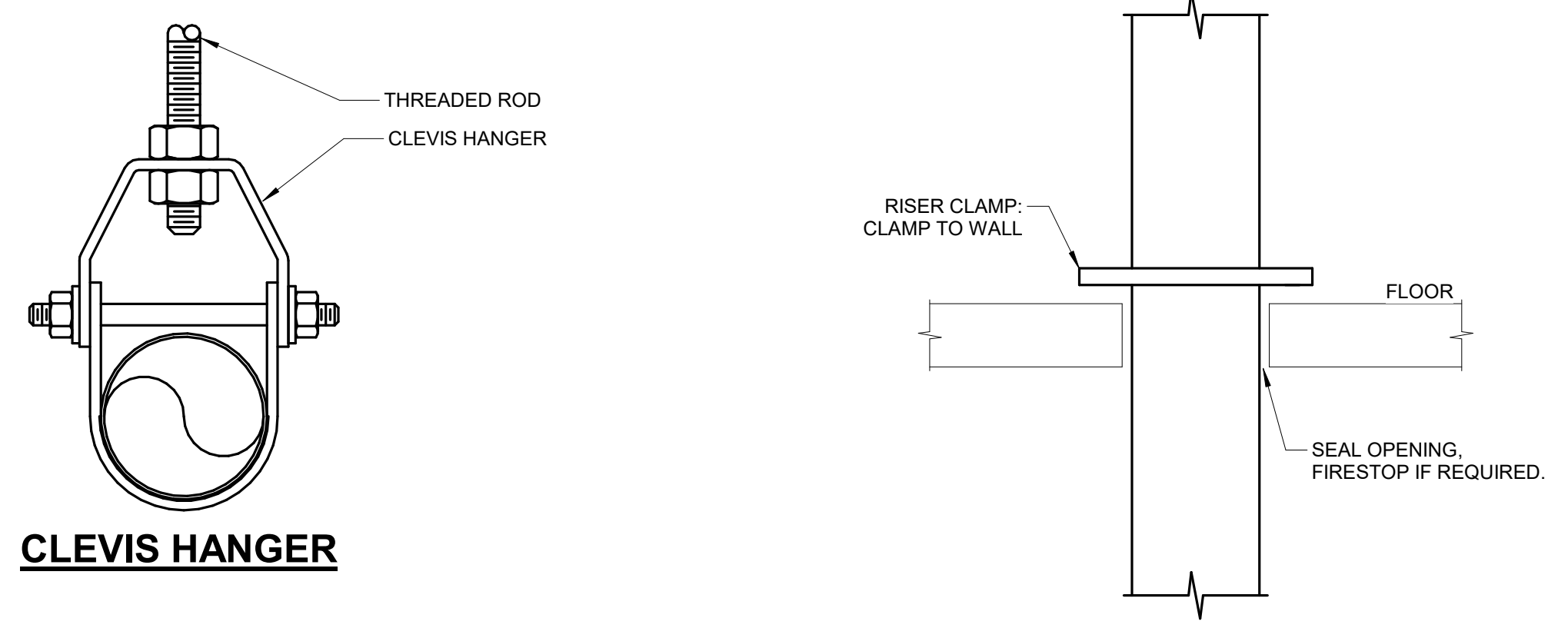
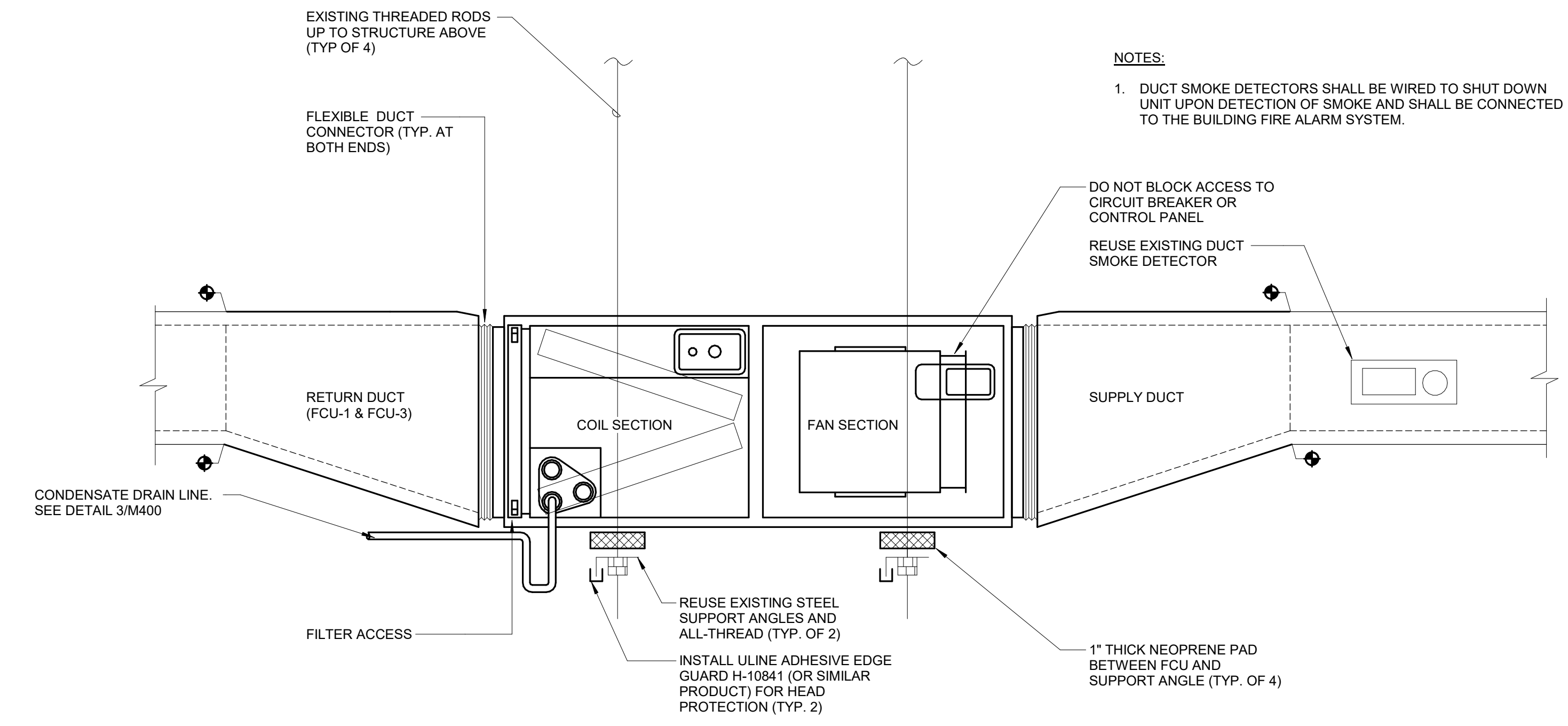
SHEET INFORMATION	
Issue	100% CD
Date	4/29/2026
Project #	26001283.00
Drawn	EJH
Checked	NKJ
Approved	NKJ

HVAC DETAILS

SCALE
12" = 1'-0"

SHEET NUMBER

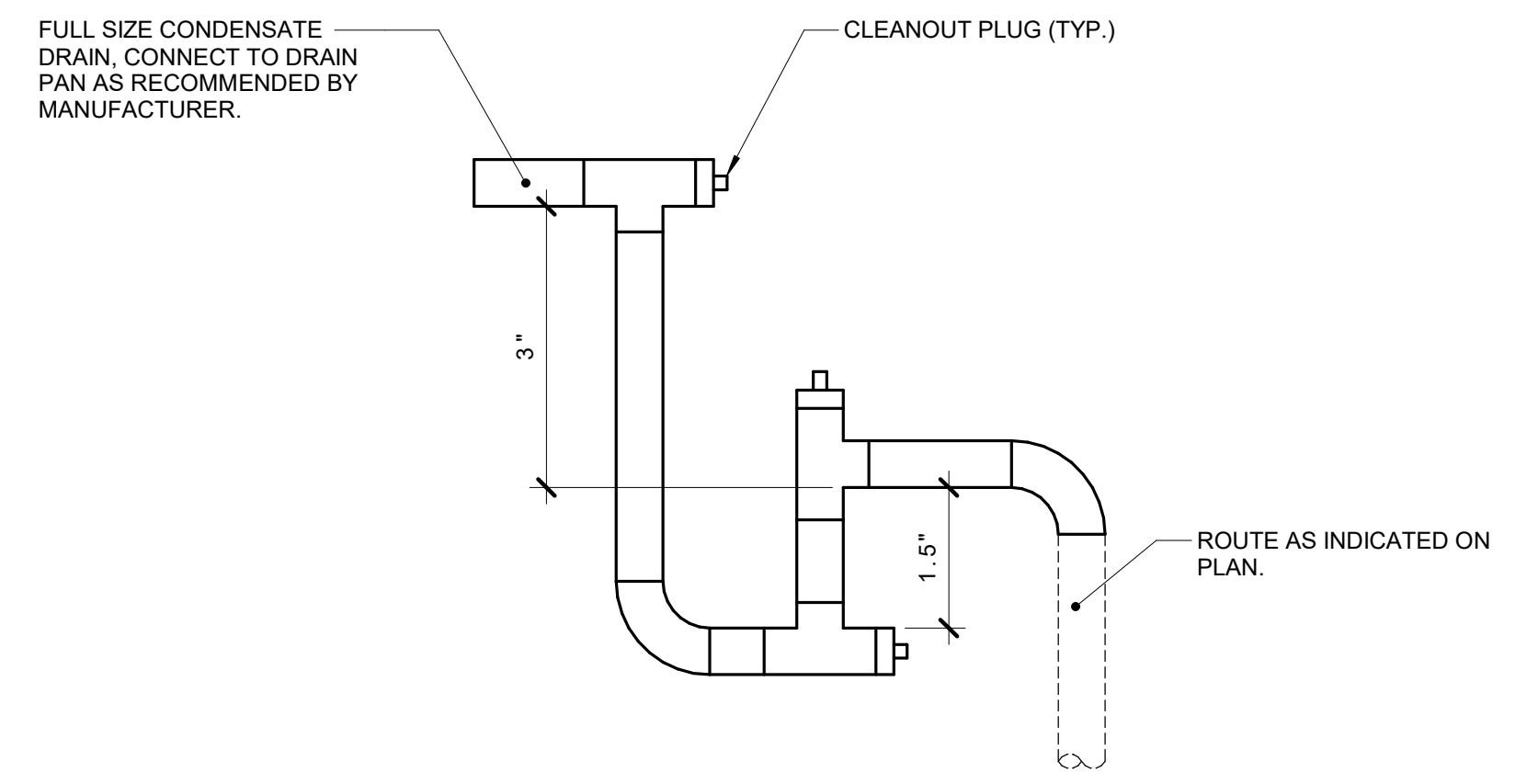
M400



CLEVIS HANGER

NOTES:
1. REFER TO SPECIFICATION SECTION 23 05 29.

1 PIPE SUPPORT
NO SCALE



3 CONDENSATE TRAP - DRAW THROUGH COIL
NO SCALE

2 FAN COIL UNIT SUPPORT
NO SCALE

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INDOOR UNIT SCHEDULE

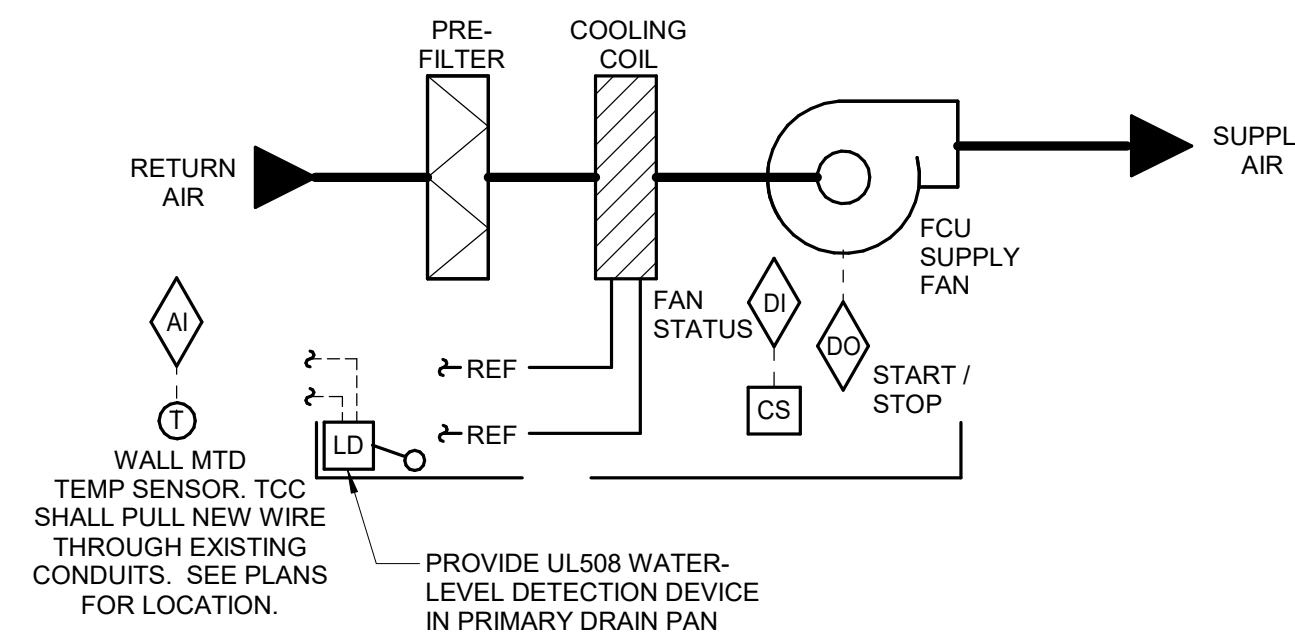
NOTES:
 1. COOLING ONLY UNIT. EXISTING STEAM COIL TO BE REUSED.
 2. UNIT TO INTEGRATE INTO EXISTING BAS. REFER TO FCU-A ON THIS SHEET FOR LIMITED CONTROLS SCOPE.

TAG NAME	CFM	EXTERNAL STATIC PRESSURE (IN. W.C.)	ASSOC OUTDOOR UNIT	REFRIGERANT		ELECTRICAL										FILTER			MAXIMUM DIMENSIONS			WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
				TYPE	NOMINAL TONS	DISCONNECT BY [A]	TYPE [B]	CNTRLR/STARTER BY [A]	TYPE [C]	SCCR	TYPE	MERV	WIDTH	HEIGHT	DEPTH	BY [A]	TYPE [B]	BY [A]	TYPE [C]						
FCU-1	4,100	0.8	CU-1	R-32	10	208	3	13.8	15.5	EC	NF	MFR	FV	5,000	DISPOSABLE 2"	8	48"	24"	60"	430	DAIKIN	DAQ12033	NOTE 1		
FCU-2	4,100	0.8	CU-2	R-32	10	208	3	13.8	15.5	EC	NF	MFR	FV	5,000	DISPOSABLE 2"	8	48"	24"	60"	430	DAIKIN	DAQ12033	NOTE 1		
FCU-3	4,100	0.8	CU-3	R-32	10	208	3	13.8	15.5	EC	NF	MFR	FV	5,000	DISPOSABLE 2"	8	48"	24"	60"	430	DAIKIN	DAQ12033	NOTE 1		

CONDENSING UNIT SCHEDULE - COOLING (CU)

NOTES:
 1. PLACE CONDENSING UNIT ON EXISTING CONDENSING UNIT PAD.
 2. PROVIDE FILTER SCREEN ON CONDENSING UNIT PER PARAGRAPH 2.9 OF SECTION 23 62 13.

TAG NAME	AMBIENT SUMMER DRY BULB (°FDB)	ASSOC. INDOOR UNIT	REFRIGERANT TYPE	COOLING				ELECTRICAL						MAXIMUM DIMENSIONS			WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES		
				TONS	# OF STAGES	IEER	VOLTS	PH	MCA	MOCP	DISCONNECT BY [A]	TYPE [B]	CNTRLR/STARTER BY [A]	TYPE [C]	SCCR	WIDTH					HEIGHT	DEPTH
CU-1	95	FCU-1	R-32	10	2	16.4	208	3	46	60	EC	NF	MFR	FV	5,000	36"	42"	36"	400	DAIKIN	DC6TE120	NOTES 1&2
CU-2	95	FCU-2	R-32	10	2	16.4	208	3	46	60	EC	NF	MFR	FV	5,000	36"	42"	36"	400	DAIKIN	DC6TE120	NOTES 1&2
CU-3	95	FCU-3	R-32	10	2	16.4	208	3	46	60	EC	NF	MFR	FV	5,000	36"	42"	36"	400	DAIKIN	DC6TE120	NOTES 1&2



SEQUENCE OF OPERATION:
 SUPPLY FAN OPERATION SHALL BE CONTROLLED BY THE FMCS THROUGH A CONTACTOR. THE UNIT SHALL MAINTAIN A ROOM AIR TEMPERATURE SETPOINT.
 THE FMCS SHALL MODULATE THE CONDENSING UNIT OPERATION TO MAINTAIN A SPACE TEMPERATURE SETPOINT OF 75°F (ADJ.) WITH 5°F (ADJ.) DEAD BAND BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR. SPACES WITH ADJUSTABLE THERMOSTATS WILL ALLOW +/- 3°F (ADJ.) OFFSET FROM THE DDC SETPOINT.
 IF ROOM AIR TEMPERATURE IS MAINTAINED AND CONDENSING UNIT IS OFF, THE SUPPLY FAN SHALL BE DE-ENERGIZED.
ALARMS, INTERLOCKS & SAFETIES:
 WHEN THE FIRE ALARM CONTROL PANEL INDICATES AN ALARM CONDITION, FCU SHALL SHUTDOWN.
 FMCS SHALL INDICATE AN ALARM TO THE FMCS OPERATOR WORKSTATION IF THE FMCS COMMANDS ANY SUPPLY FAN TO OPERATE AND THE FAN CURRENT RELAY DETECTS INSUFFICIENT CURRENT FLOW.
 WHENEVER FCU IS SHUTDOWN THE FOLLOWING SHALL OCCUR:
 • SUPPLY FAN SHALL BE DE-ENERGIZED.

1 FAN COIL UNIT CONTROL - COOLING ONLY - FCU-A
 NO SCALE

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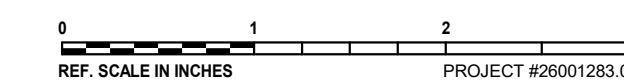
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Issue	100% CD
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Project #	26001283.00
Drawn	EJH
Checked	NKJ
Approved	NKJ

SHEET TITLE
HVAC SCHEDULES

SCALE
 Scale: 12" = 1'-0"

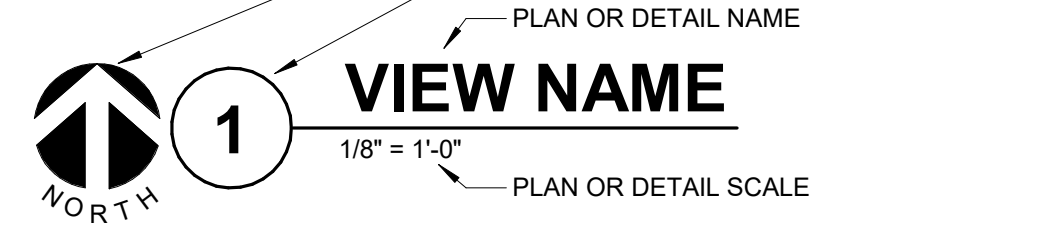
SHEET NUMBER

M500

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL.



VIEW NAME

INDICATES DIRECTION OF TRUE NORTH
PLAN OR DETAIL NUMBER
PLAN OR DETAIL NAME
1/8" = 1'-0" PLAN OR DETAIL SCALE

SIM — INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS
DETAIL REFERRED TO BY SECTION CUT
M101 — SHEET DETAIL IS LOCATED ON — T101

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
 ——— NEW
 - - - - - EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
 - - - - - NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
 - - - - - EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
 - - - - - EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

*TAG-E TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING
TAG-1 UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST
 INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

BUILDING CODE:	IBC 2024 EDITION
FIRE CODE:	IFC 2024 EDITION
PLUMBING CODE:	UPC 2021 EDITION
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2023 EDITION
ENERGY CONSERVATION CODE:	IECC 2012
LOCAL BUILDING CODE:	CURRENT EDITION

RECEPTACLE SUBSCRIPT KEY:

DEVICE KEY:
 # = MOUNTING (IF APPLICABLE)
 1 = CIRCUIT NUMBER

DEVICE # 1

*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1

ELECTRICAL MOUNTING SUBSCRIPT KEY:
 SM SURFACE MOUNTED
 +# MOUNT AT # TO CENTERLINE ABOVE FINISHED FLOOR

SHADED DEVICE INDICATES DEVICE IS CONNECTED TO AN EMERGENCY CIRCUIT.

DEVICE

ELECTRICAL SYMBOL LIST - RECEPTACLES

SYMBOL	TAG	EQUIP ABBREV	SPEC SECTION	DESCRIPTION
	W	REC-DUP-WP	26 27 26	DUPLICATE GFI WEATHERPROOF RECEPTACLE, 125V - NEMA 3R WHILE IN-USE COVER

ELECTRICAL SYMBOL LIST - POWER

SYMBOL	EQUIP ABBREV	SPEC SECTION	DESCRIPTION
	ECONN	26 05 33	ELECTRICAL CONNECTION - CEILING/SURFACE
	--	--	EXISTING PANELBOARD - SURFACE MOUNT
	MX-#	26 24 19	MANUAL SWITCH, REFER TO DISCONNECT AND STARTER SCHEDULE
	FDS-#	26 28 16	FUSIBLE DISCONNECT SWITCH, REFER TO DISCONNECT AND STARTER SCHEDULE

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	NATE JACQUES
MECHANICAL	EVAN HAMMER
ELECTRICAL	TONY DELOUIS

- ### ELECTRICAL INSTALLATION NOTES:
- CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
 - EMERGENCY BRANCH WIRING FOR FEEDERS AND BRANCH CIRCUITS SHALL BE ROUTED IN SEPARATE RACEWAY, JUNCTION BOXES, PULL BOXES, AND CABINETS. WIRING FOR EACH BRANCH SHALL BE INDEPENDENT FROM OTHER BRANCHES, INCLUDING THE NORMAL BRANCH.
 - ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO 26 05 03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
 - ELECTRICAL EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF OPERATION OF AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
 - ELECTRICAL IDENTIFICATION. REFER TO SPECIFICATION SECTION 26 05 53 FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLEWIRE, AND EQUIPMENT.

- ### ELECTRICAL RENOVATION NOTES:
- THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, FIRE ALARM, AND OTHER LOW VOLTAGE SYSTEMS.
- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
 - NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
 - CONTRACTOR SHALL REVIEW EXISTING CONDITIONS PRIOR TO FABRICATION OF CONDUIT RACKS, AND OTHER SYSTEMS. RISERS AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
 - ELECTRICAL CONTRACTOR SHALL REVIEW EXISTING CONDITIONS TO VERIFY ACCESSIBILITY TO THE AREAS OF THEIR WORK INCLUDING WALLS, FLOOR, CEILINGS, CEILING TILES/GRID, AND ROOF. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE CUTTING, REMOVAL, PATCHING, AND REINSTALLATION OF AFFECTED AREAS ASSOCIATED WITH THEIR WORK BY COORDINATING WITH THE GENERAL CONTRACTOR OR QUALIFIED CONTRACTOR.
 - WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.

CONDUIT INSTALLATION SCHEDULE

THE FOLLOWING SCHEDULE SHALL BE ADHERED TO UNLESS THEY CONSTITUTE A VIOLATION OF APPLICABLE CODES OR ARE NOTED OTHERWISE ON THE DRAWINGS. THE INSTALLATION OF RMC CONDUIT WILL BE PERMITTED IN PLACE OF ALL CONDUIT SPECIFIED IN THIS SCHEDULE. REFER TO CONDUIT AND BOXES SPECIFICATION 26 05 33 FOR ADDITIONAL INFORMATION.

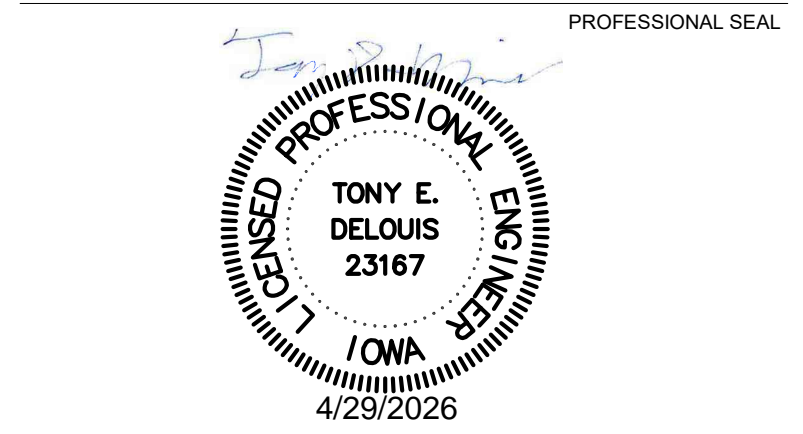
INSTALLATION TYPE	RMC	EMT
BRANCH CIRCUITS: LIGHTING, RECEPTACLES, CONTROLS, ETC.		X
MECHANICAL EQUIPMENT FEEDERS: PUMPS, CHILLERS, AIR HANDLING UNITS, ETC.		X
CONTROLS (LIGHTING, POWER, BUILDING AUTOMATION, ETC.)		X
WET AND DAMP LOCATIONS: (CONDUIT, BOXES, FITTINGS, INSTALLED AND EQUIPPED TO PREVENT WATER ENTRY)	X	
INTERIOR LOCATIONS WITH FINISHED CEILING AND WALLS: CONCEALED IN WALLS AND ABOVE FINISHED CEILINGS		X
INTERIOR LOCATIONS WITHOUT FINISHED CEILINGS: CONCEALED IN WALL, EXPOSED ABOVE CEILINGS		X
EXISTING INTERIOR LOCATIONS WITH FINISHED CEILINGS AND WALLS: CONCEALED IN WALLS AND ABOVE FINISHED CEILING UNLESS OTHERWISE NOTED		X

ELECTRICAL SHEET INDEX

E000	ELECTRICAL COVERSHEET
E100	DEMOLITION FLOOR PLAN - ELECTRICAL
E200	NEW FLOOR PLAN - ELECTRICAL
E700	ELECTRICAL PANEL SCHEDULES
GRAND TOTAL: 4	

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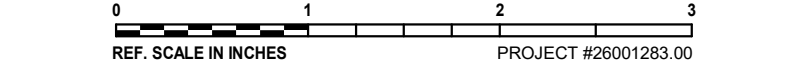
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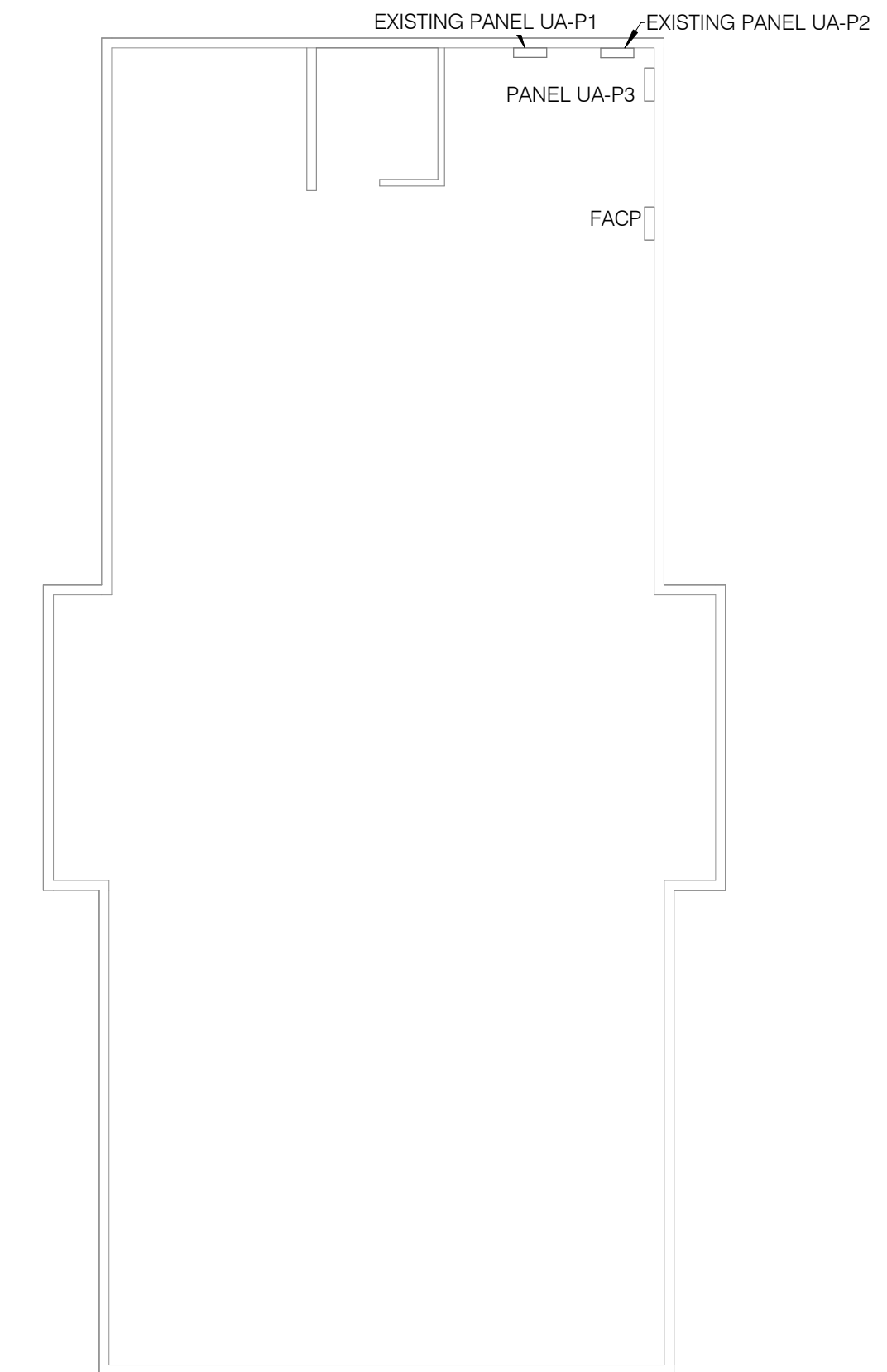
Issue	100% CD
Date	4/29/2026
Project #	26001283.00
Drawn	KYHIL
Checked	SENDIZ
Approved	TONDEL

ELECTRICAL COVERSHEET

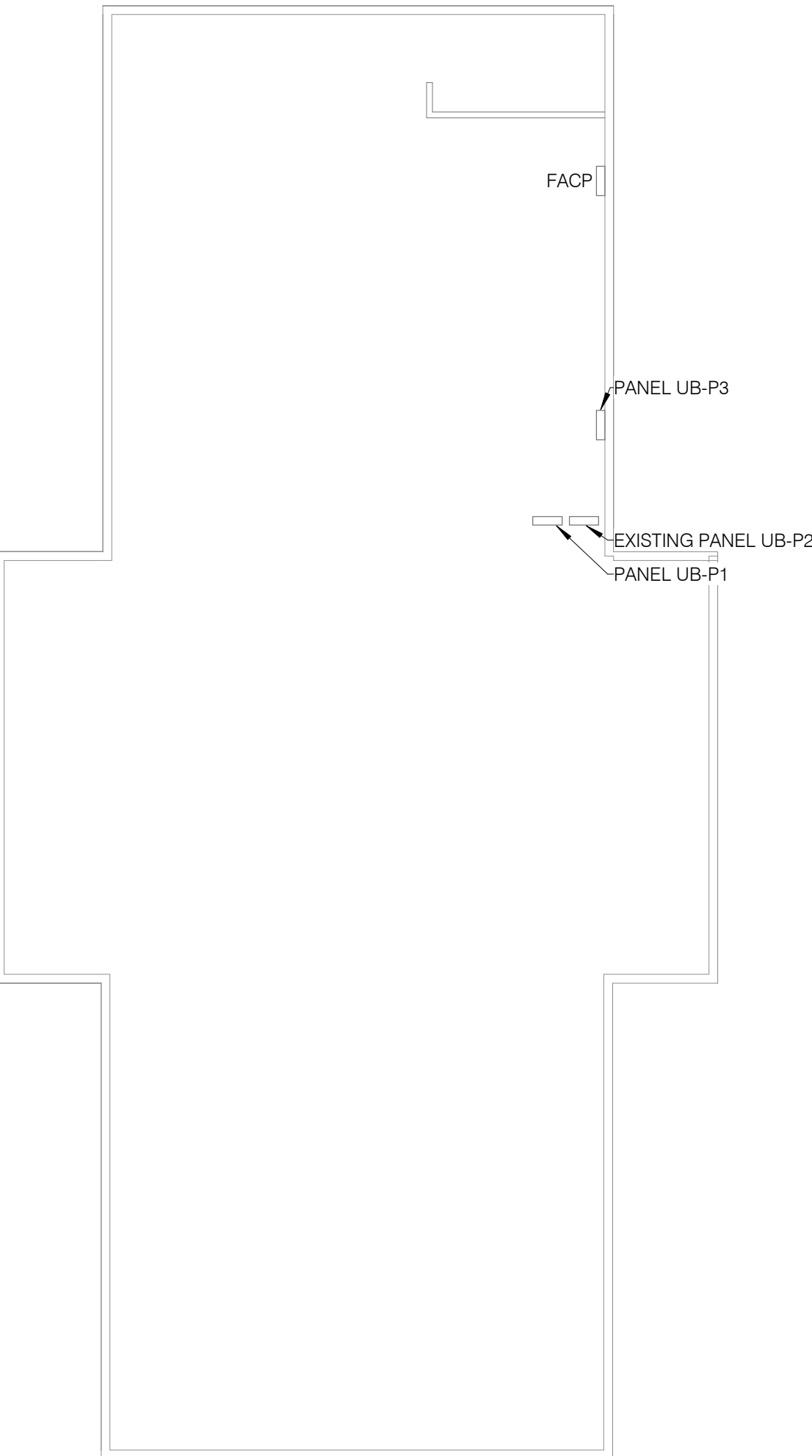
SCALE
As indicated

SHEET NUMBER
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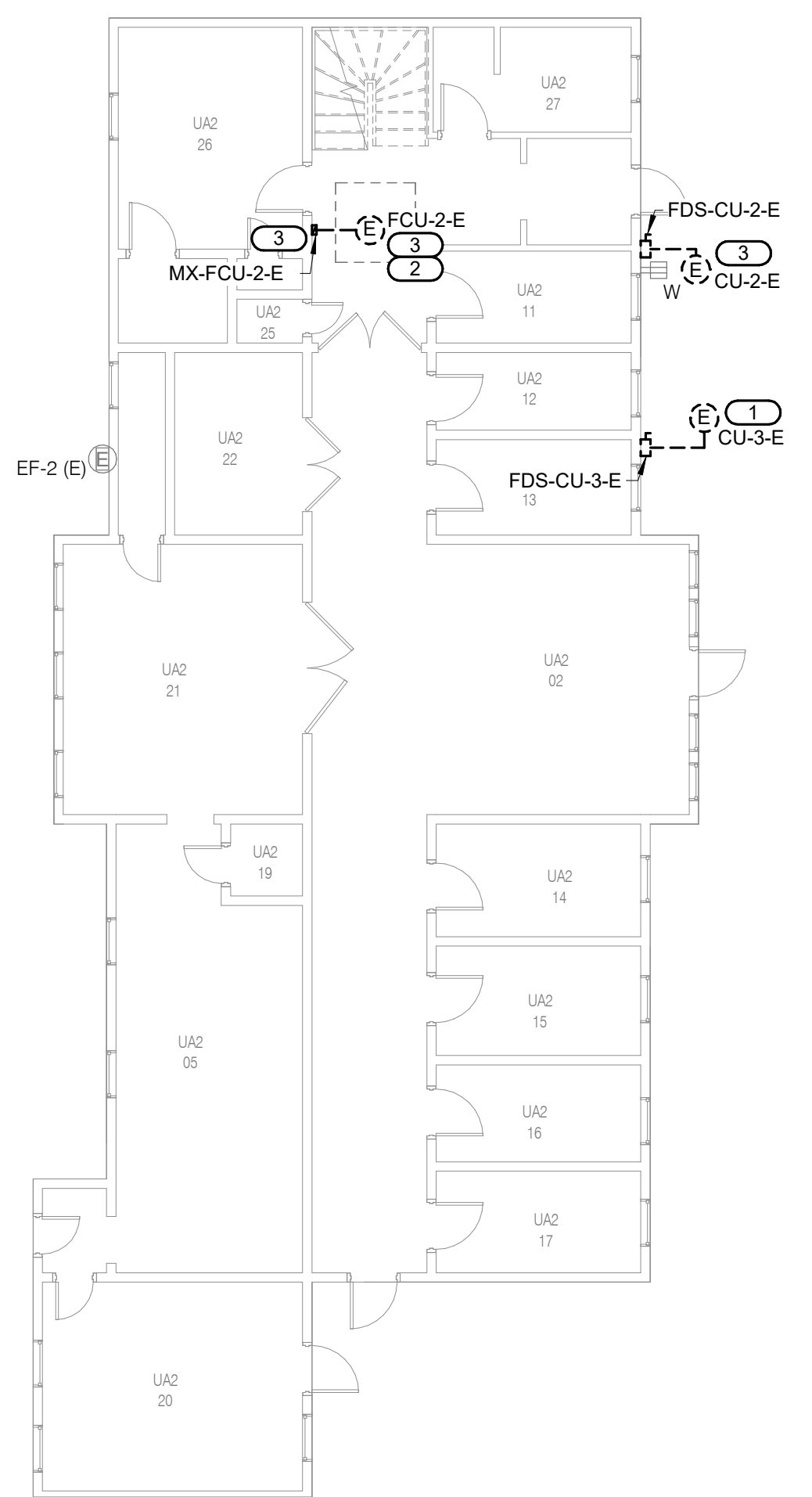
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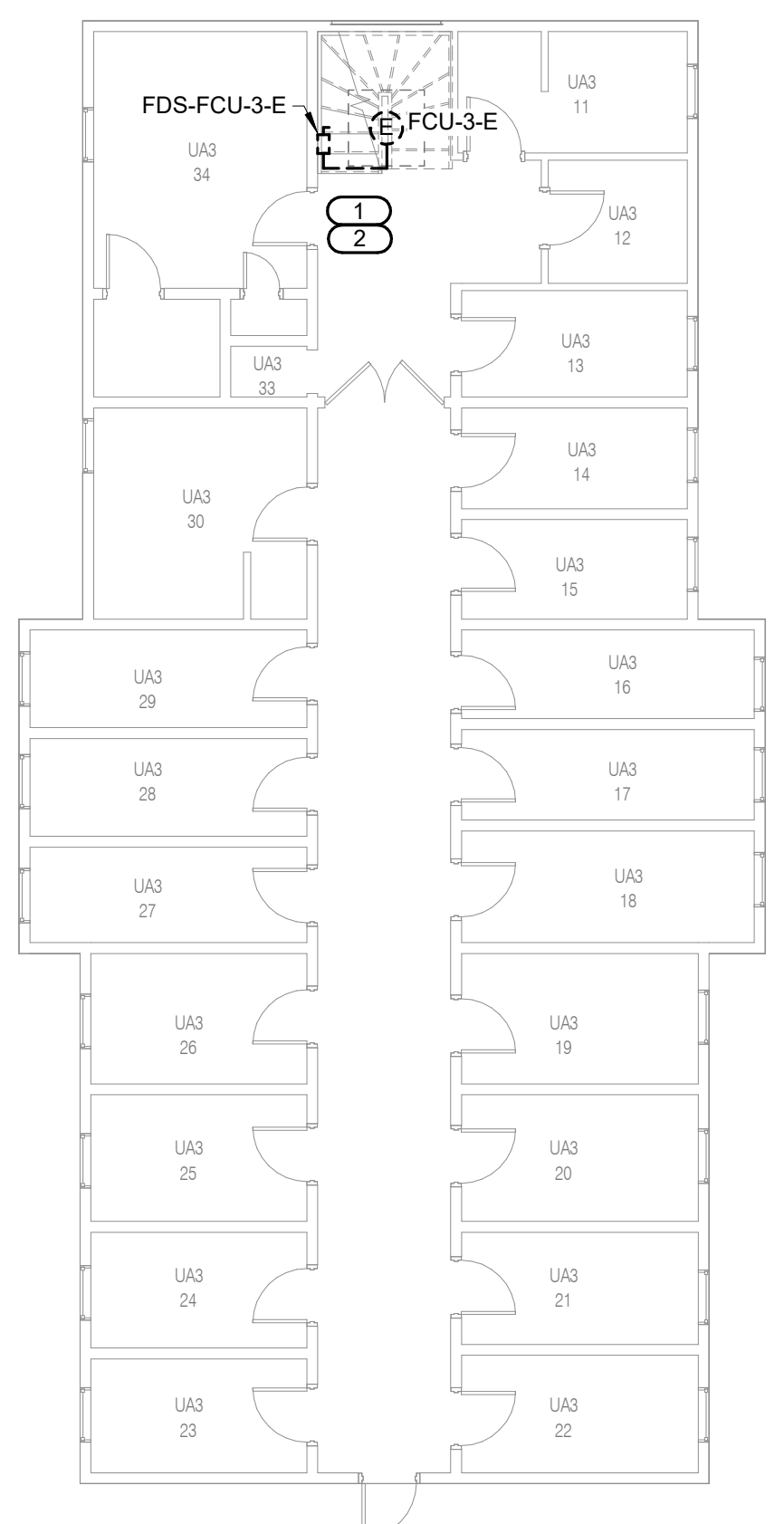
1 **BASEMENT DEMOLITION PLAN - UNIT A - ELECTRICAL**
1/8" = 1'-0"



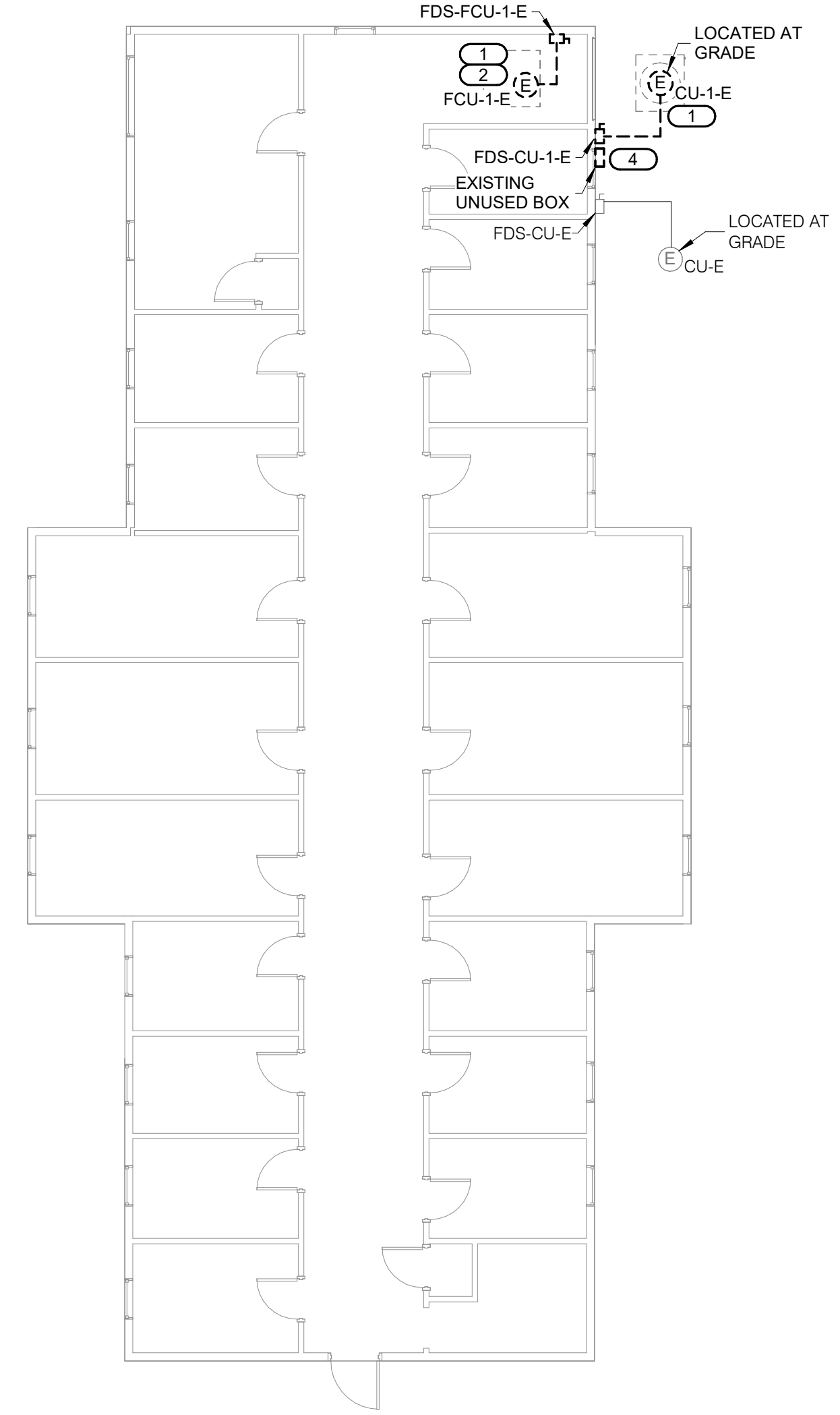
4 **BASEMENT DEMOLITION PLAN - UNIT B - ELECTRICAL**
1/8" = 1'-0"



2 **LEVEL 01 DEMOLITION PLAN - UNIT A - ELECTRICAL**
1/8" = 1'-0"



3 **LEVEL 02 DEMOLITION PLAN - UNIT A - ELECTRICAL**
1/8" = 1'-0"



5 **LEVEL 02 DEMOLITION PLAN - UNIT B - ELECTRICAL**
1/8" = 1'-0"

- KEYNOTES: (#)**
1. REMOVE EXISTING ELECTRICAL DISCONNECT AND CONNECTION TO EQUIPMENT. CIRCUIT SHALL REMAIN AND BE UTILIZED FOR NEW EQUIPMENT IN NEW WORK PHASE.
 2. REMOVE AND STORE EXISTING FIRE ALARM DUCT SMOKE DETECTOR AND CONTROL MODULE FROM FCU. EXISTING FIRE ALARM SERVICE SHALL BE MAINTAINED DURING CONSTRUCTION AND RE-INSTALLED TO NEW EQUIPMENT IN NEW WORK PHASE.
 3. INDOOR/OUTDOOR FIRST FLOOR EQUIPMENT DISCONNECTS ARE TO BE SALVAGED AND TURNED OVER TO OWNER.
 4. REMOVE THE ELECTRICAL BOX AND ASSOCIATED CONDUIT ROUTED UP THE WALL. PATCH WALL AND MATCH EXISTING FINISH. CONDUIT THAT TRANSITIONS UNDERGROUND TO BE CAPPED.

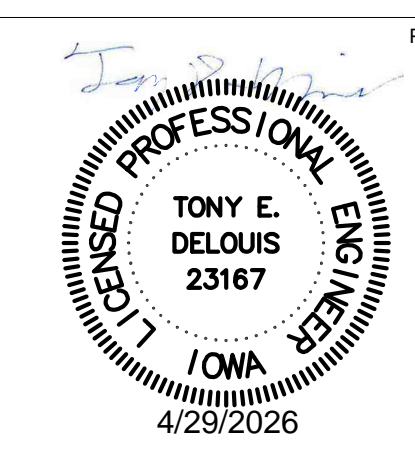
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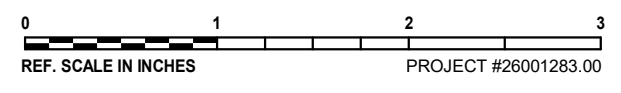
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No.	Date	Revision / Issue

SHEET INFORMATION

Issue	100% CD
Date	4/29/2026
Project #	26001283.00
Drawn	KYHIL
Checked	SENDIZ
Approved	TONDEL

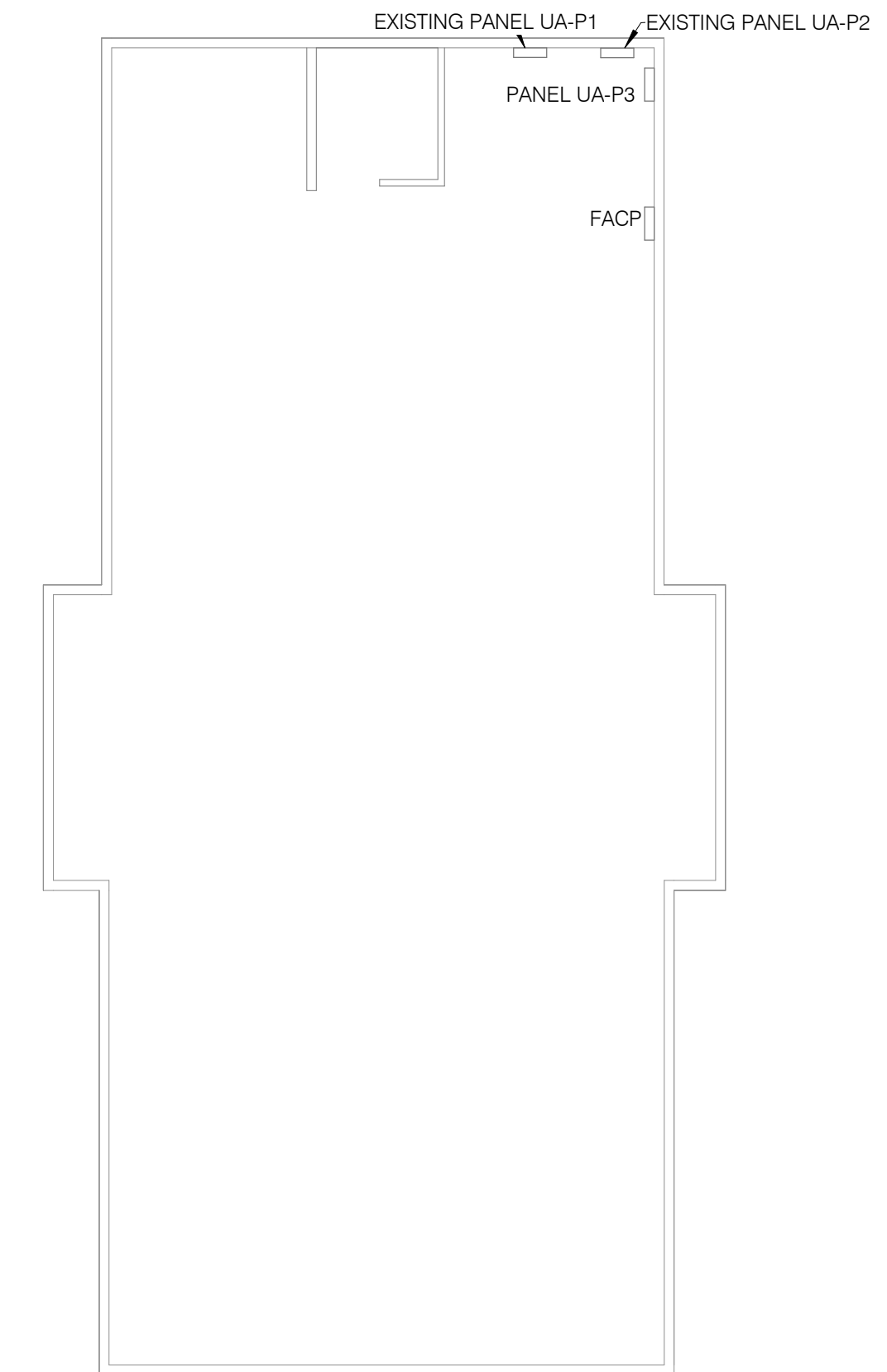
DEMOLITION FLOOR PLAN - ELECTRICAL

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

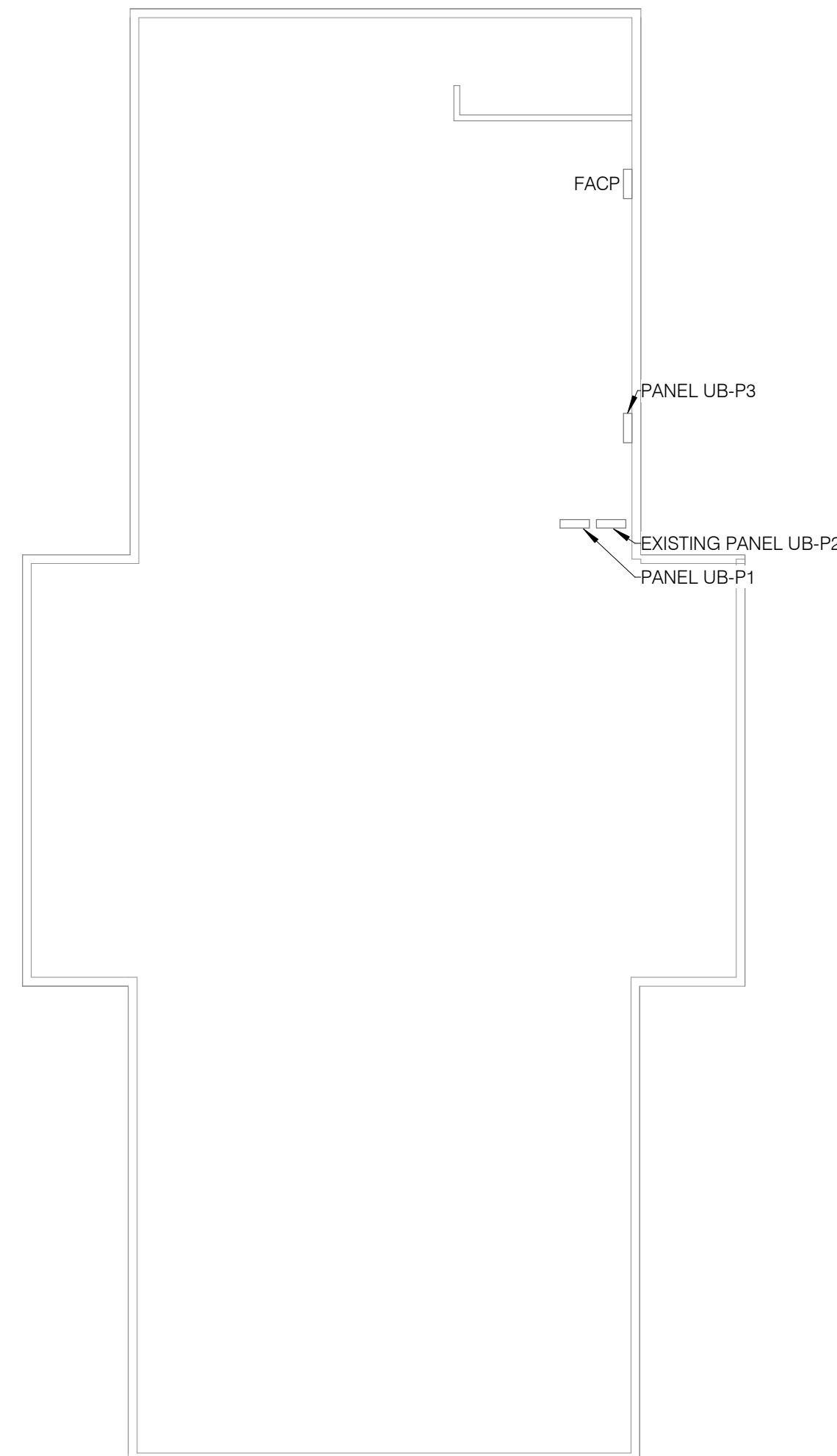
SHEET NUMBER

E100

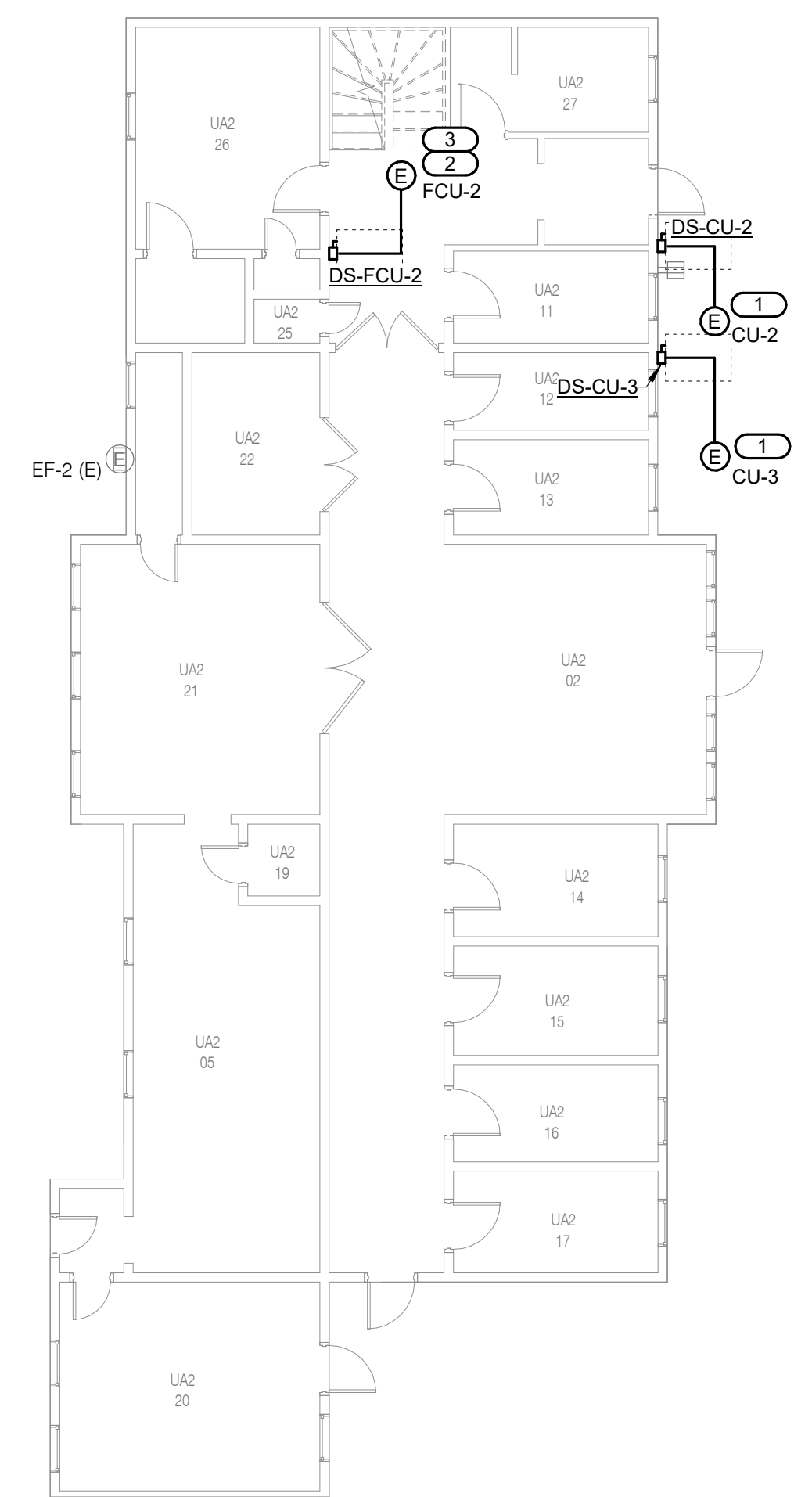
26001283.00 4/29/2026 10:01:10 PM IDAS 9501.00 DOC NCCF AIR HANDLER REPLACEMENT



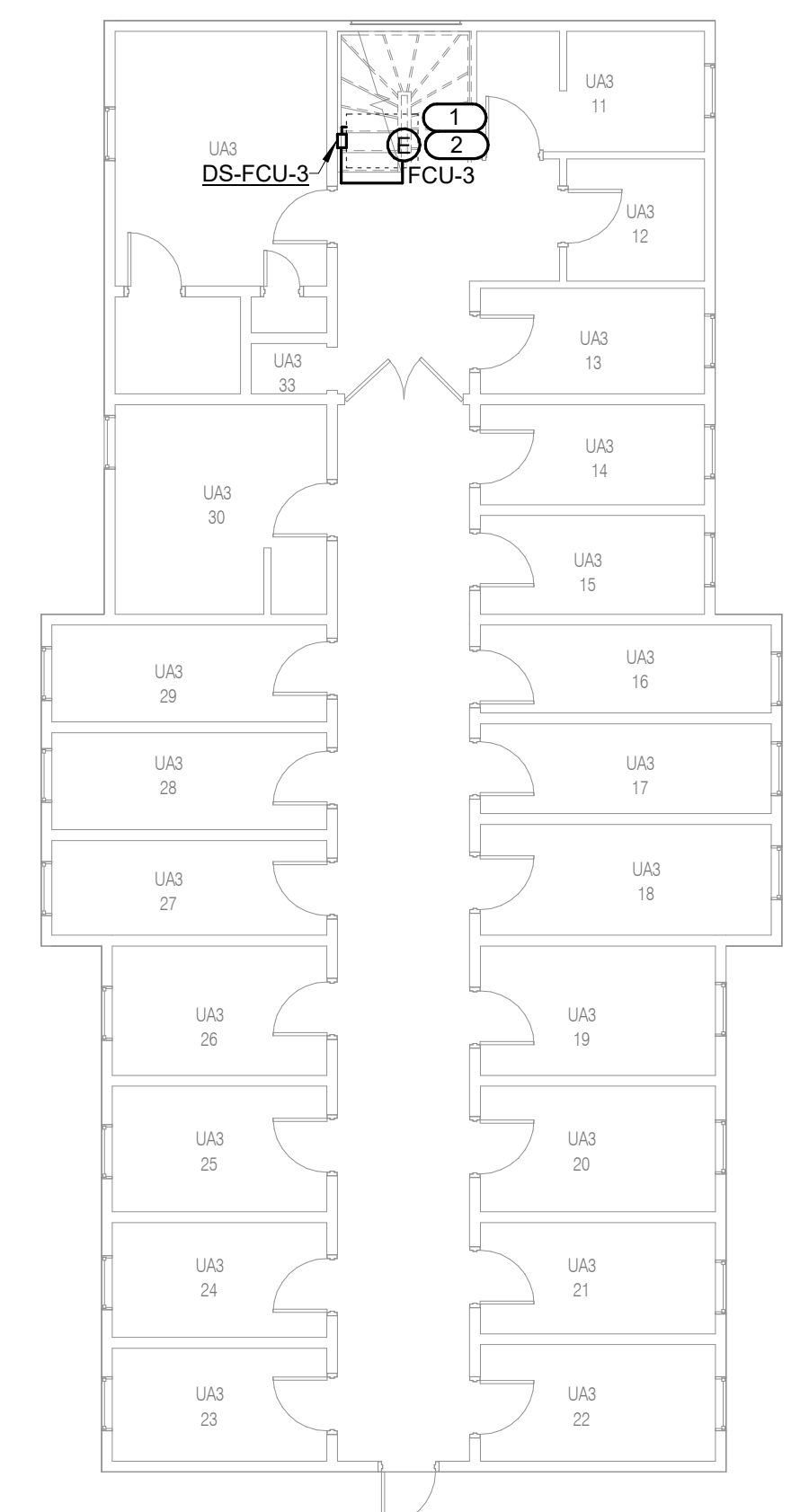
1 **BASEMENT NEW PLAN - UNIT A - ELECTRICAL**
1/8" = 1'-0"



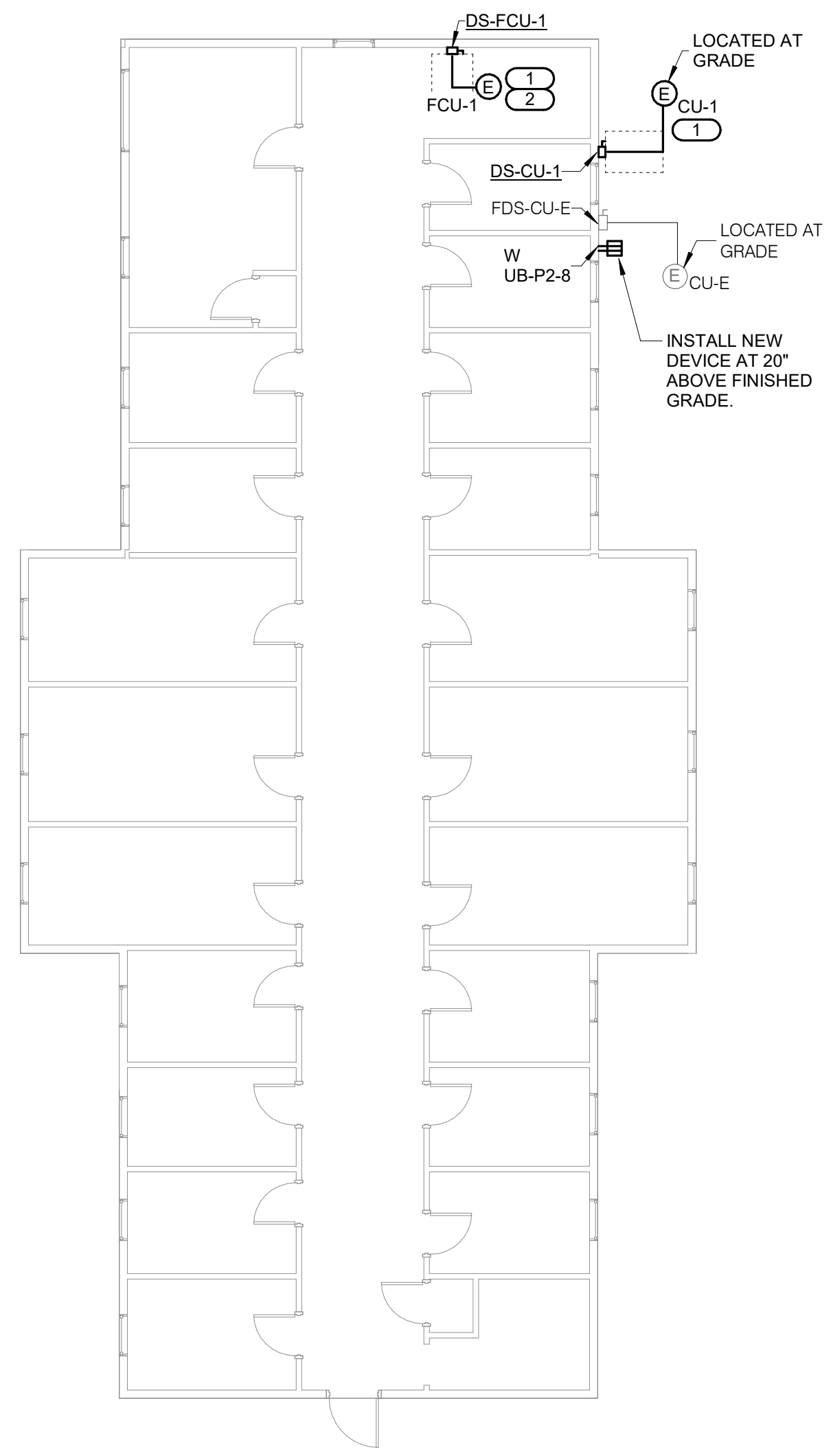
4 **BASEMENT NEW PLAN - UNIT B - ELECTRICAL**
1/8" = 1'-0"



2 **LEVEL 01 NEW PLAN - UNIT A - ELECTRICAL**
1/8" = 1'-0"



3 **LEVEL 02 NEW PLAN - UNIT A - ELECTRICAL**
1/8" = 1'-0"



5 **LEVEL 02 NEW PLAN - UNIT B - ELECTRICAL**
1/8" = 1'-0"

SHEET NOTE:
1. NEW MECHANICAL EQUIPMENT TO BE INSTALLED ON EXISTING CONCRETE PADS.

KEYNOTES: #

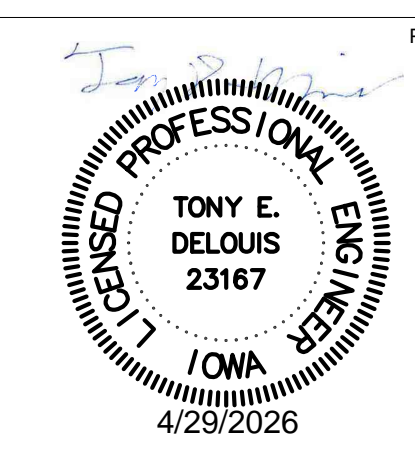
1. PROVIDE NEW DISCONNECT AND CONNECT EXISTING ELECTRICAL CONNECTION. EXTEND CIRCUIT AS NECESSARY FOR RECONNECTION. NEW WIRE AND CONDUIT SHALL MATCH EXISTING. INSTALL NEW DISCONNECT AT EXISTING DISCONNECT LOCATION.
2. CONNECT EXISTING FIRE ALARM DUCT SMOKE DETECTOR AND CONTROL MODULE BACK TO FCU CONTROLLER AND DUCTWORK.
3. PROVIDE NEW #12 & #12 EGC IN 3/4" C. FROM UA-P1 TO NEW UNIT. PROVIDE NEW 20A/3P BREAKER IN UA-P1.

IDAS 9501.00 DOC NCCF AIR HANDLER REPLACEMENT
313 LANEDALE
ROCKWELL CITY, IOWA 50579

Iowa Department of Administrative Services



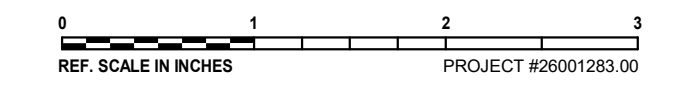
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KEY PLAN
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No.	Date	Revision / Issue

SHEET INFORMATION	
Issue	100% CD
Date	4/29/2026
Project #	26001283.00
Drawn	KYHIL
Checked	SENDIZ
Approved	TONDEL

SHEET TITLE
NEW FLOOR PLAN - ELECTRICAL

SCALE
1/8" = 1'-0"

SHEET NUMBER
E200

26001283.00 4/29/2026 10:01:11 PM IDAS 9501.00 DOC NCCF AIR HANDLER REPLACEMENT

EXISTING PANEL UA-P1

MOUNTING: SURFACE
ENCLOSURE: NEMA 1
FED FROM: 0/0P @
LOCATION:

SINGLE TUB
SOLID NEUTRAL
GROUND BUS

MAIN: 400 MLO
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA

NOTES: BOLD INDICATES NEW WORK.
PANEL TOTALS ONLY SHOW NEW LOADS.
NEW CIRCUIT BREAKER CHARACTERISTICS SHALL MATCH EXISTING BREAKERS IN PANEL.

KEY	CKT NO.	LOAD DESCRIPTION	OCPP			WIRE SIZE			VD %	A	B	C	VD %	WIRE SIZE			OCPP	LOAD DESCRIPTION	CKT NO.	KEY
			AMPS	P	H	N	G	G						N	H	P				
*NB	3	FCU-2	20	3	12	12	12	0.84	1.66	--	1.66	--				1	--	SPACE	2	
	5	SPACE	--	1					--	--					1	--	SPACE	4		
	7	SPACE	--	1					--	--					1	--	SPACE	6		
	9	SPACE	--	1					--	--					1	--	SPACE	8		
	11	SPACE	--	1					--	--					1	--	SPACE	10		
	13	SPACE	--	1					--	--					1	--	SPACE	12		
	15	SPACE	--	1					--	--					1	--	SPACE	14		
	17	SPACE	--	1					--	--					1	--	SPACE	16		
	19	SPACE	--	1					--	--					1	--	SPACE	18		
	21	SPACE	--	1					--	--					1	--	SPACE	20		
	23	SPACE	--	1					--	--					1	--	SPACE	22		
	25	VENDING REC	20	1					0	0					1	20	HALL OFFNET/BASEMENT...	26		
	27	SPARE	20	1					0	0					1	20	SPARE	28		
	29	SPARE	20	1					0	0					1	20	VENDING REC	30		
	31	EAST DRYER	30	2					0	0					1	20	SPARE	32		
	33	MIDDLE DRYER	30	2					0	0					2	50	WELDING REC	34		
	35	MIDDLE DRYER	30	2					0	0					3	100	UA-P3	36		
	37	WEST DRYER	30	2					0	0								38		
	39	WEST DRYER	30	2					0	0								40		
	41	WEST DRYER	30	2					0	0								42		
Total Load:									1.66 kVA	1.66 kVA	1.66 kVA									
Total Amps:									13.81	13.81	13.81									

LOAD CLASSIFICATION **CONNECTED LOAD** **DEMAND FACTOR** **ESTIMATED DEMAND** **TOTALS***

Power 4.972 kVA 100% 4.972 kVA

TOTAL CONNECTED LOAD: 4.972 kVA
TOTAL ESTIMATED DEMAND LOAD: 4.972 kVA
TOTAL CONNECTED AMPS: 13.80 A
TOTAL ESTIMATED DEMAND AMPS: 13.8

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES: *NB = NEW BREAKER.

DISCONNECT AND STARTER SCHEDULE

NOTE: ALL DISCONNECTS (EXCEPT MANUAL STARTERS) SHALL BE HEAVY DUTY TYPE.

DISCONNECT TYPE:	ACCESSORIES & OPTIONS	
	FU - FUSED	SA - STANDARD ACCESSORIES (INCLUDES * ITEMS)
NF - NON-FUSED	*CT - CONTROL TRANSFORMER, FUSED 120V	
CB - CIRCUIT BREAKER	*EO - ELECTRONIC OVERLOAD (3 PHASE MOTORS)	
	*HA - HAND-OFF-AUTO IN DOOR	
	*RP - RED (RUN) PILOT LIGHT IN DOOR	
	*TA - TWO CONVERTIBLE AUXILIARY CONTACTS	
	*S/N - INSULATED NEUTRAL ASSEMBLY	
	PF - PHASE LOSS PROTECTION (5 HP OR GREATER, 3 PHASE MOTOR)	
	TO - MELTING THERMAL OVERLOADS (1 PHASE)	
	TS - 2 SPEED SELECTOR SWITCH IN DOOR	
	GP - GREEN (OFF) PILOT LIGHT IN DOOR	
	FA - 4-CONVERTIBLE AUXILIARY CONTACTS	
	EI - ELECTRICAL INTERLOCK (2)-N.O. & (2)-N.C.	
	SS - START-STOP PUSHBUTTON IN DOOR	
	HL - HANDLE PADLOCK HASP	

ITEM	DISCONNECT TYPE & RATING			VOLTAGE	POLES	STARTER		ENCLOSURE	REQUIRED ACCESSORIES & OPTIONS	COMMENTS
	TYPE	RATING	TRIP RATING			NEMA SIZE	TYPE			
DS-CU-1	NF	60		208	3			NEMA 3R	HL	
DS-CU-2	NF	60		208	3			NEMA 3R	HL	
DS-CU-3	NF	60		208	3			NEMA 3R	HL	
DS-FCU-1	NF	30		208	3			NEMA 1	HL	
DS-FCU-2	NF	30		208	3			NEMA 1	HL	
DS-FCU-3	NF	30		208	3			NEMA 1	HL	

EXISTING PANEL UA-P2

MOUNTING: SURFACE
ENCLOSURE: NEMA 1
FED FROM: 0/0P @
LOCATION:

SINGLE TUB
SOLID NEUTRAL
GROUND BUS

MAIN: 100 MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA

NOTES: BOLD INDICATES NEW WORK.
PANEL TOTALS ONLY SHOW NEW LOADS.
NEW CIRCUIT BREAKER CHARACTERISTICS SHALL MATCH EXISTING BREAKERS IN PANEL.

KEY	CKT NO.	LOAD DESCRIPTION	OCPP			WIRE SIZE			VD %	A	B	C	VD %	WIRE SIZE			OCPP	LOAD DESCRIPTION	CKT NO.	KEY
			AMPS	P	H	N	G	G						N	H	P				
	1	2ND FLOOR AHU	20	3					0	--	0	0				1	--	UNUSABLE	2	
	3	SPACE	--	1															4	
	5	SPACE	--	1															6	
	7	FACP	20	1					0	0									8	
	9	SPACE	--	1						--	0	0							10	
	11	EXHAUST FAN	20	1								0	0						12	
	13	SPACE	--	1															14	
	15	KITCHENETTE REC	20	3					0	0									16	
	17	SPACE	--	1															18	
	19	SPACE	--	1															20	
	21	1ST FLOOR A/C	60	3					0	0									22	
	23	SPACE	--	1															24	
Total Load:									0.00 kVA	0.00 kVA	0.00 kVA									
Total Amps:									0.00	0.00	0.00									

LOAD CLASSIFICATION **CONNECTED LOAD** **DEMAND FACTOR** **ESTIMATED DEMAND** **TOTALS***

Receptacles 0.180 kVA 100% 0.180 kVA

TOTAL CONNECTED LOAD: 0.18 kVA
TOTAL ESTIMATED DEMAND LOAD: 0.180 kVA
TOTAL CONNECTED AMPS: 0.50 A
TOTAL ESTIMATED DEMAND AMPS: 0.5

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES: *NB = NEW BREAKER.

EXISTING PANEL UB-P2

MOUNTING: SURFACE
ENCLOSURE: NEMA 1
FED FROM: 0/0P @
LOCATION:

SINGLE TUB
SOLID NEUTRAL
GROUND BUS

MAIN: 100 MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA

NOTES: BOLD INDICATES NEW WORK.
PANEL TOTALS ONLY SHOW NEW LOADS.
NEW CIRCUIT BREAKER CHARACTERISTICS SHALL MATCH EXISTING BREAKERS IN PANEL.

KEY	CKT NO.	LOAD DESCRIPTION	OCPP			WIRE SIZE			VD %	A	B	C	VD %	WIRE SIZE			OCPP	LOAD DESCRIPTION	CKT NO.	KEY
			AMPS	P	H	N	G	G						N	H	P				
	1	SPACE	--	1					--	0									2	
	3	SPACE	--	1															4	
	5	SPACE	--	1															6	
	7	SPACE	--	1															8	
	9	SPACE	--	1					0	0.18					0.27	12	12	12	10	*NB
	11	SPACE	--	1															12	
	13	SPACE	--	1															14	
	15	SPACE	--	1					0	0									16	
	17	SPACE	--	1															18	
	19	SPACE	--	1															20	
	21	SPACE	--	1					0	0									22	
	23	SPACE	--	1															24	
Total Load:									0.18 kVA	0.00 kVA	0.00 kVA									
Total Amps:									1.50	0.00	0.00									

LOAD CLASSIFICATION **CONNECTED LOAD** **DEMAND FACTOR** **ESTIMATED DEMAND** **TOTALS***

Receptacles 0.180 kVA 100% 0.180 kVA

TOTAL CONNECTED LOAD: 0.18 kVA
TOTAL ESTIMATED DEMAND LOAD: 0.180 kVA
TOTAL CONNECTED AMPS: 0.50 A
TOTAL ESTIMATED DEMAND AMPS: 0.5

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

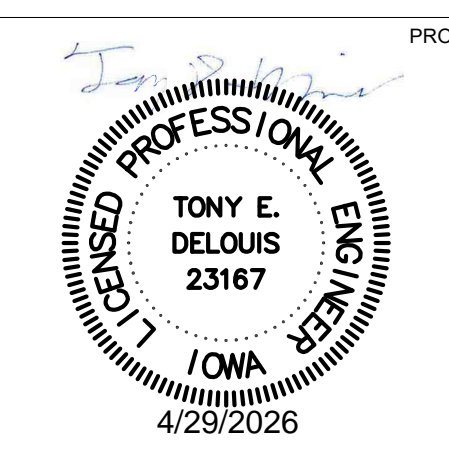
CIRCUIT KEY NOTES: *NB = NEW BREAKER.

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REVISIONS
No. Date Revision / Issue

SHEET INFORMATION
Issue: 100% CD
Date: 4/29/2026
Project #: 26001283.00
Drawn: KYHIL
Checked: SENDIZ
Approved: TONDEL

SHEET TITLE
ELECTRICAL PANEL SCHEDULES
SCALE
SHEET NUMBER
E700