

ADDENDUM NUMBER 1



Date: October 8, 2025

Re: SC Department of Juvenile Justice
**Coastal Evaluation Center
Air Handler Replacement**

State Proj. No.: N12-9640-AT-A
A/E Proj. No: 264171.A

Submitted By: Justin Varco, PE, CPD
Mechanical Design, Inc.
4403 Broad River Road
Columbia, S.C. 29210
(803)731-9834 Fax: (803)731-9837

The following items take precedence over referenced portions of the Contract Documents for the referenced project dated **09/14/26**, and in executing a contract, shall become a part thereof. Where any item called for in the documents is supplemented hereby, the original requirements shall remain in effect. All supplemental conditions shall be considered as added thereto. Where any original item is amended, voided, or superseded hereby, the provision of such items not so specifically amended, voided, or superseded shall remain in effect.

General Discussion:

1. A Non-mandatory Pre-Bid was held on 10/06/26 at 10:00 am EST. Attached is a list of the attendees.
2. A site visit was made immediately following the Pre-Bid meeting.
3. Reviewed bid requirements, bonds, addendum acknowledgement, etc.
4. Electronic bids will not be accepted. Provide bids in a sealed envelope per the contract documents.
5. Bid bonds as well as Performance and Payment bonds are required for this project.
6. Last Day for questions is **10/19/26**. Please submit all questions in writing by 5:00 pm.
7. Last Day for Prior approval request to be submitted is **10/19/26**.
8. If needed the final addendum will be issued on **10/20/26**.
9. Reviewed security and building access requirements.

10. Reviewed project scope of work with contractors. Discussed timeline and lead times. Completion date is 360 calendar days from award with \$500 per day liquidated damages. Construction can start any time if it does interfere with the operations. All work shall be coordinated and scheduled with SCDJJ prior to starting.
11. Provide valves at each of the mechanical rooms for isolation during demolition. Coordinate system shutdowns with owner prior to.

ITEMS PERTAINING TO THE SPECIFICATIONS:

1. See attached revised Table of Contents and added specifications sections

23 31 13 – Ductwork

ITEMS PERTAINING TO THE DRAWINGS:

1. Refer to revised drawings E101, E102, and E201

END OF ADDENDUM NO. 1

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PROJECT NUMBER: N12-9640-AT-A

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Project Number: N12-9640 A-LC

Project Name: Air Handler Replacement CEC

SIGN IN SHEET

DATE:

NAME	COMPANY	PHONE #	EMAIL ADDRESS
David Smith	SCDJJ	(803) 960-5003	davidgsmith@djj.sc.gov
Kelvin Vinson	SCDJJ	(803) 260-3324	kelvinvinson@scdjj.sc.gov
Justin Varco	MDI	(803) 586-2110	Justin@mdi9834.com
Chris Wilms	Carolina Chillers	919-280-5479	Chris.wilms@carolinachillers.com
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~~James Hester~~			
LORENZO MASON	CMI	706-667-9033	lorenzom@contractingmtinc.com
J.	"	"	"
Patrick Jenkins	Triad	843-408-2817	Pjenkins@triadmc.com

**SECTION 23 31 13
MECHANICAL DUCTWORK**

PART 1 - GENERAL

- 1.1 The provisions of the GENERAL CONDITIONS OF THE CONTRACT, the SUPPLEMENTARY CONDITIONS, and Section 23 00 00 Mechanical General of the Specifications, apply to the work under this Section to the same extent as if fully included herein.
- 1.2 All equipment and materials for this project shall be purchased from and furnished to the contractor by the manufacturer's local representative for Mechanical Design, Inc. No submittals for equipment or materials will be received where the local representative has not originated the submittal data for this project. All non-compliant submittals will be promptly rejected.
- 1.3 All ductwork shall meet job conditions and after coordinating with all trades. Follow duct dimensions indicated on drawings as closely as possible. Provide offsets, vary shape or alter run if required to meet structural or other interferences. Where shape of duct is varied, alter dimensions to provide equal static pressure drop per unit length.
- 1.4 Obtain copies of applicable "Sheet Metal and Air Conditioning Contractors National Association, Inc." (SMACNA) Manuals, latest edition, and keep one copy of each on job site.
- 1.5 Ductwork shall be air tight, smooth on inside and neatly finished on outside. Details of support, construction and materials not specified herein to be in accordance with recommendations of SMACNA.
- 1.6 Construct ductwork as job progresses and not in advance. Ductwork shall not be prefabricated more than 1 week in advance of installation.
- 1.7 No ductwork shall be fabricated or installed until all space requirements have been thoroughly coordinated with all other trades.

1.8 COORDINATION SHOP DRAWINGS

- A. The General/Electrical/Plumbing contractor shall coordinate and assist the Mechanical contractor in preparation of detailed coordination shop drawings for all systems. Drawings shall be prepared to carefully coordinate with architectural, plumbing, sprinkler, electrical and structural drawings regarding elevation, access, serviceability and replacement of systems. Space priorities shall be coordinated and established with each trade prior to beginning work to prevent field conflicts. No extra payments for changes or modifications will be allowed any contractor where work has begun without fully coordinated shop drawings. A completed set of coordinated shop drawings shall be submitted to the Design Team for review prior to beginning any work or ordering of any associated equipment, piping, wiring, steel, fixtures, conduits, etc.
- B. Each trade contractor shall coordinate its construction operations and space requirements with those of other contractors and entities to ensure efficient and orderly installation of each trade. These parameters shall be incorporated into the shop drawings developed to identify and resolve any potential conflicts prior to project construction.
- C. Coordination meetings shall be held with the general contractor and MEP contractors at the beginning of the project and prior to start of construction in any area, to develop the coordination drawings and resolve potential installation conflicts. Coordination meetings for the purpose of producing coordinated shop drawings shall be scheduled by area(s) and held during drawing development and shall continue through project completion. Coordination shall include:

1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the work depends on installation of other components, before, during or after its own installation.
 2. Coordinate installation of different components with other contractors to ensure maximum accessibility for required for maintenance, service, and repair.
 3. Make adequate provisions to accommodate items scheduled for any installation phase including known future work.
 4. Where availability of space is limited, coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair of all components, including mechanical, electrical and plumbing.
 5. Where conflicts arise during the coordination or construction phase, the construction team shall identify conflicts and present cost effective solutions to accompany RFI's to the design team for review and issuance of directive resolution measures.
- D. Shop drawings shall show the routing of all water piping, supply, return, exhaust and fresh air ductwork closely following the contract drawings and specifications. Drawings shall be detailed to miss any structural elements and work of all other trades and shall include the following as a minimum:
1. HVAC
All necessary heating, ventilating, air-conditioning and specialty equipment, including air handlers, pumps, piping, air distribution ducts for supply, return, and ventilation and exhaust ducts, including control system, registers, diffusers, grills necessary to produce accurate plans, elevations, building/wall sections and schedules. All piping larger than 1.5" diameter shall be modeled.
 2. PLUMBING
All necessary plumbing piping and fixture layouts, floor and area drains, and related equipment, necessary to produce accurate plans, elevations, building/wall sections, riser diagrams, and schedules. All piping larger than 1.5" diameter shall be modeled.
 3. ELECTRICAL
All necessary interior electrical components (i.e., lighting, receptacles, special and general purpose power receptacles, lighting fixtures, control systems), necessary to produce accurate plans, details and schedules. Cable tray routing shall be modeled without detail of cable contents.
- E. Ductwork drawings shall show size, length of each piece, top and bottom elevations and placement of registers and grilles. Fittings shall also show throat length or radius, amount of rise or fall and amount of offset. **All riser ducts shall be shown where indicated on drawings. Shaft ducts shall be detailed and fully dimensioned.**
- F. Drawings shall detail exact placement of all HVAC equipment and shall define access and service area required for each piece of equipment. Pad drawings of air handling units if required shall also be included and fully detailed.

1.9 PROTECTION OF DUCT SYSTEMS

- A. Construct ductwork as job progresses and not in advance to prevent damage to ductwork on site. Ductwork shall not be prefabricated more than 1 week in advance of installation.

- B. Ductwork shall be stored indoors and protected from damage prior to installation. Weathered or damaged ductwork will be rejected and replaced at the contractor's expense.
- C. All supply, return and exhaust ductwork shipped to the job site shall have the ends sealed with plastic to prevent accumulation of dirt and debris. Plastic shall be removed only upon installation of duct. All remaining openings in ductwork shall be fully protected with plastic sealed to duct until connected to equipment, grilles, ductwork, etc. There are no exceptions. Ductwork not protected and installed in this manner will be rejected and replaced at the contractor's expense.
- D. The Mechanical contractor shall provide temporary filters to maintain a clean duct system during temporary service. Filters shall cover return grilles and any other openings in ductwork with a minimum MERV-8 filter to protect the duct system from accumulation of organic material. All HVAC equipment utilized to maintain building temperature during construction shall also contain a minimum of MERV-8 filtration.

1.10 FIRE STOPPING AND SMOKE SEALS

- A. All fire-stopping on this project shall be installed by a single source contractor. All penetrations through fire resistive construction shall be sealed in accordance with Section 07-8400. Products used for fire stopping shall be by the same manufacturer throughout the building for all trades.
- B. The Mechanical Contractor shall be responsible for coordinating fire stopping and joint seals as required for the work in this section. Coordinate fire stopping work with the General Contractor and Construction Manager for all fire-stopping work.

PART 2 - PRODUCT:

2.1 SHEET METAL DUCTWORK

Sheet metal ductwork shall be in accordance with SMACNA Manual "Low Velocity Construction Standards," latest edition. All sheet metal duct shall be a minimum of 26 gauge or higher as required by SMACNA, these specifications, or as noted on the drawings.

2.2 FLEXIBLE DUCTWORK

Fiberglass flexible round duct shall be a minimum of 1" thick Owens-Corning or equal by Genflex. The product shall bear a U.L. 181 Class 1 Air Duct label.

2.3 FLEXIBLE EQUIP DUCT CONNECTORS

Provide canvas type flexible duct connectors by Duro Dyne or by other manufacturer's equal in construction and performance. Connectors shall be 26 gauge (min), TDC/TDF flange connectors, rated for max temp of 180F with a minimum leakage resistance of 350 psi. Flexible duct connectors shall conform to NFPA 90A.

2.4 LOW PRESSURE DUCTWORK

- A. Sheet metal ductwork shall be in accordance with SMACNA Manual "Low Velocity Construction Standards," latest edition.
- B. Fiberglass flexible round duct shall be a minimum of 1" thick Owens-Corning or equal by Genflex. The product shall bear a U.L. 181 Class 1 Air Duct label.

2.5 DAMPERS

- A. Refer to air distribution specification for control, balance, fire, and fire/smoke damper requirements.
- B. Runout take-off dampers from low pressure trunks to diffusers or modulating damper units shall be a 26 gauge (min.) factory-manufactured type fitting with a gasketed mating flange, air-scoop, and manual balancing damper with locking quadrants. Install take-off per the manufacturer's recommendations.

2.6 DUCT ACCESS DOORS

Access door shall be SMACNA Standard and shall be constructed of 22 gage galvanized steel. The doors shall be hinged double skin insulated door with thumb latch and foam gasketed seal. The doors shall be sized and located so devices may be conveniently inspected or removed, tested and reset. Door size shall not be less than 12" x12" unless required by duct size. Access doors shall be Ruskin model ADH or approved equal.

2.7 ACCESS PANELS

Provide heavy duty 16 gage type 304 stainless steel finish, concealed hinge, access panel with flush mounted keyed locking device as manufactured by Karp, Elmdoor or Bilco. Provide doors to permit access and/or removal of dampers, operators, equipment, etc. Minimum sized shall be 12"x12". Coordinate location of panels with all trades prior to installation. Panels shall be suitable for installation flush with finished ceiling and wall surfaces. See architectural drawings for type required. It shall be the responsibility of the mechanical contractor to identify locations for all access panels required for equipment and provide doors for installation by the general contractor.

PART 3 - EXECUTION:

3.1 DUCTWORK

- A. All supply air ductwork from air handling units shall be low pressure duct. Installation shall be in strict accordance with SMACNA.
- B. All return, exhaust and outside air ducts shall be galvanized sheet metal ductwork as specified above except where noted other wise.
- C. All turns greater than 45 degrees shall be made with turning vanes. Turning vanes shall be single vane type installed on runners.
- D. Support horizontal ducts with angle support and threaded rod spaced not more than eight (8) feet apart, at every transverse joint and at changes in direction.
- E. Duct sizes indicated on plans are interior dimensions. Increase metal duct sizes as required for acoustical or interior insulation.
- F. Construct, brace, and support ducts in manner that they will not sag nor vibrate when fans are operating at minimum speed and capacity.
- G. Provide 1" diameter test slots with cover for insertion of thermostat or test instruments at all locations required to perform operations required under Section 23 05 93.
- H. Provide duct access doors to afford easy access to entering air side of items requiring maintenance or inspection (such as fire dampers, etc.). Doors to be of ample size for service required.

- I. Protect all fan and duct openings from dirt and rubbish during construction. Clean system to be delivered to owner.
- J. All interior portions of ductwork visible through grilles or diffusers shall be painted with flat black paint.
- K. Provide canvas type flexible duct connectors at all supply and return duct connections to air handlers/rooftop units. Provide flexible duct connectors at inlet of all exhaust fans and on inlets/discharge of inline fans.

3.2 FLEXIBLE DUCTWORK

Each section of flexible round duct shall have stainless steel locking worm clamps designed to connect to duct take-off fittings and terminal units. **Maximum run of flexible duct shall be 6 feet.**

3.3 RUNOUT TAKE-OFFS

The minimum distance between takeoffs on the same side of the ducts shall be four (4) times the diameter of the first takeoff. Where takeoffs are located above inaccessible ceilings, omit damper.

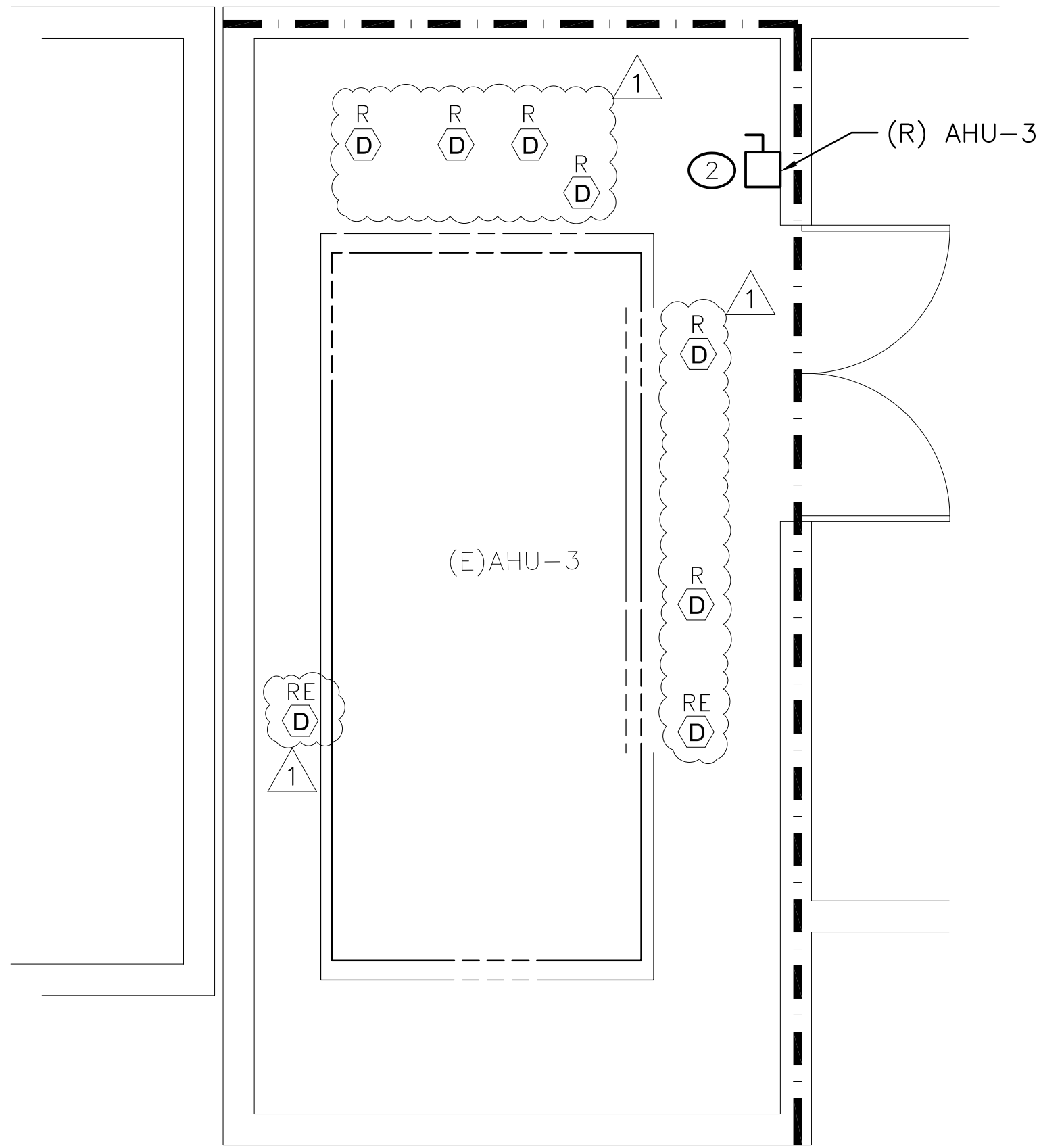
3.4 FIRE DAMPERS

- A. Fire dampers shall be installed in openings utilizing steel sleeves, angles and other materials and practices required to provide an installation equivalent to that utilized by the manufacturer when dampers were tested at U.L. Installation shall be in accordance with damper manufacturer's written installation instructions.
- B. Fire damper shall be sized so that the free area is not less than the connected duct free air space.
- C. Install fire dampers in strict with Underwriters Laboratory tested installations, manufacturer's written installation instructions and NFPA requirements. See detail on drawings.
- D. Combination fire/smoke dampers shall be installed complete and ready for operation including power wiring. Connection to the fire alarm system when present shall be by Division 26.

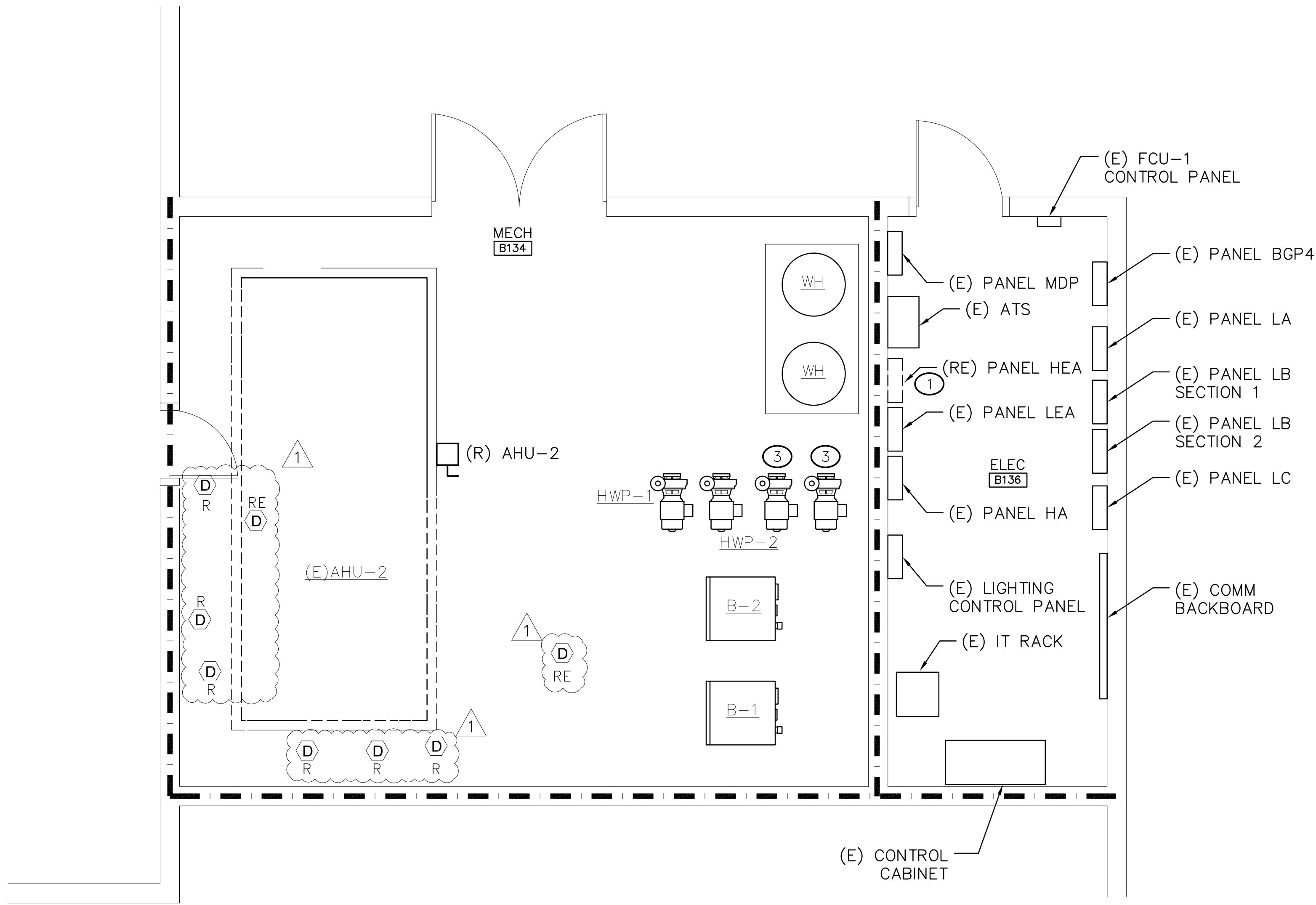
3.5 SEISMIC RESTRAINT OF DUCTWORK:

- A. Seismically restrain all ductwork with cable restraints as listed below:
 - 1. Restrain rectangular ducts with cross sectional areas of 6 square feet and larger.
 - 2. Restrain round ducts with diameters of 28" and larger.
 - 3. Restrain flat oval ducts the same as rectangular ducts of the same nominal size.
- B. Seismic cable restraints shall consist of steel cables sized to resist seismic loads with a minimum safety factor of two and arranged to provide all-directional restraint. Seismic loads shall be based on a peak acceleration coefficient of 0.15.
- C. No restraints are required if the duct is suspended by hangers 12" or less in length, as measured from the top of the duct to the bottom of the support where the hanger is attached. Hangers must be positively attached to the duct within 2" of the top of the duct with a minimum of two #10 sheet metal screws.
- D. Transverse restraints shall occur at 30' intervals or at both ends if the duct run is less than the specified interval. Transverse restraints shall be installed at each duct turn and at each end of a duct run.
- E. Longitudinal restraints shall occur at 60' intervals with at least one restraint per duct run. Transverse restraints for one duct section may also act as longitudinal restraints for a duct section connected perpendicular to it if the restraints are installed within four feet of the intersection of the ducts and if the restraints are sized for the larger duct. Duct joints shall conform to SMACNA duct construction standards.
- F. Walls, including gypsum board non-bearing partitions, which have ducts running through them may replace a typical transverse brace. Provide solid blocking around duct penetrations at stud wall construction.
- G. Unbraced ducts shall be installed with 6" minimum clearance to vertical ceiling hanger wires.

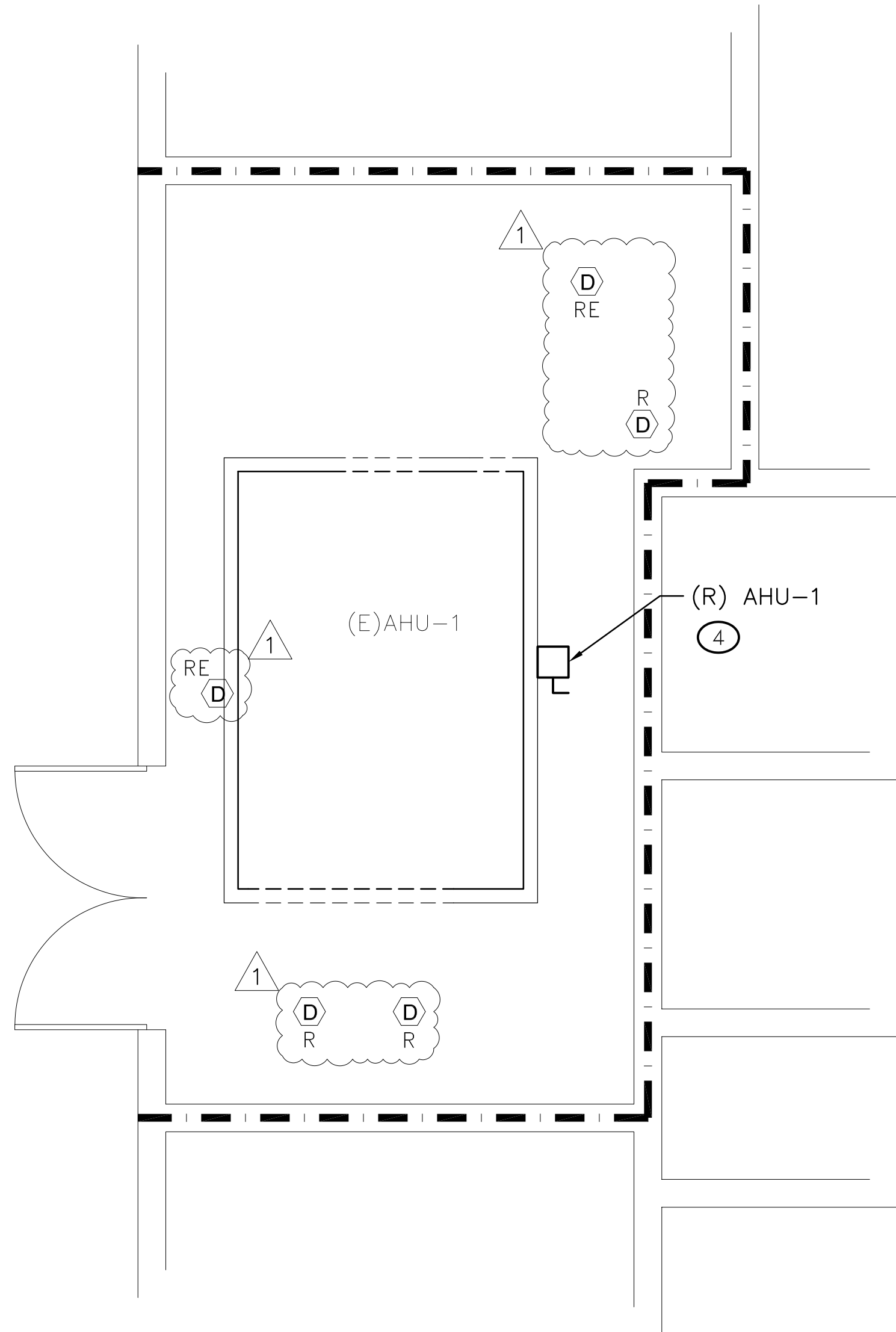
END OF SECTION 23 31 13



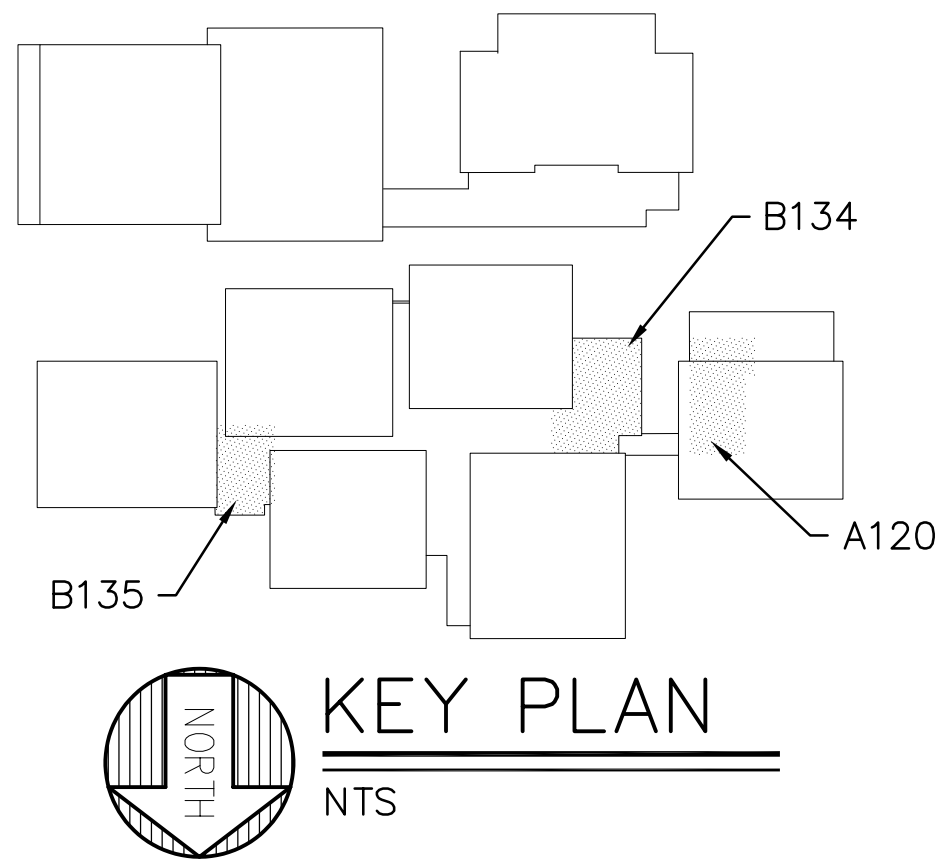
ELECTRICAL DEMO FLOOR PLAN – MECH B135
SCALE: 1/4" = 1'-0"



ELECTRICAL DEMO FLOOR PLAN – MECH B134
SCALE: 1/4" = 1'-0"



ELECTRICAL DEMO FLOOR PLAN – MECH A120
SCALE: 1/4" = 1'-0"



Kimley»Horn
2519A PLATT SPRINGS RD
WEST COLUMBIA
SC 29169
PHONE: 803.731.0650

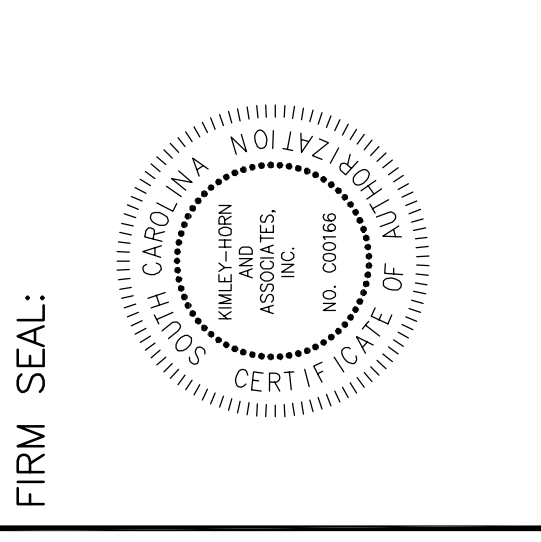
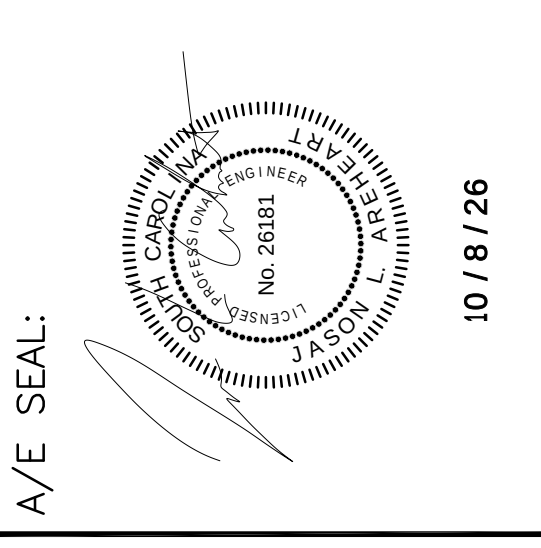
Project: SCDJJ – CEC AIR HANDLER REPLACEMENT
RIDGEVILLE, SOUTH CAROLINA
N12-9640-AT-A
Sheet Title: ELECTRICAL DEMOLITION FLOOR PLANS

SHEET NO. E101

- KEY NOTES
- 1 DISCONNECT, REMOVE AND REPLACE PANEL 'HEA'. RETAIN CONDUIT AND WIRE RUNS FOR REUSE IN NEW PANEL.
 - 2 DISCONNECT AND REMOVE AHU-3 DISCONNECT SWITCH. RETAIN CONDUIT AND WIRE RUN BACK TO PANEL HEA FOR REUSE.
 - 3 DISCONNECT EXISTING AND RECONNECT NEW CHILLED WATER PUMP IN THE SAME LOCATION. REUSE EXISTING CIRCUITING AND DISCONNECT SWITCH.
 - 4 DISCONNECT AND REMOVE AHU-1 DISCONNECT SWITCH. RETAIN/EXTEND EXISTING CONDUIT. REMOVE EXISTING BRANCH CIRCUIT CONDUCTORS.

- DEMOLITION/RENOVATION NOTATION
- * IF NO ANNOTATION IS SHOWN ASSUME EXISTING TO REMAIN IN PLACE FOR SOLID LINES AND DEMOLISH FOR DASHED LINES.
 - * DEVICES AND EQUIPMENT NOT SHOWN SHALL BE ASSUMED TO BE EXISTING TO REMAIN IN PLACE.
 - E EXISTING FIXTURE OR DEVICE TO REMAIN IN PLACE.
 - R EXISTING FIXTURE OR DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. MAINTAIN CONTINUITY OF REMAINING CONNECTIONS.
 - RE EXISTING DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. EXISTING CIRCUIT/CONNECTION SHALL BE RETAINED. PROVIDE NEW DEVICE AS SHOWN ON RENOVATION PLANS.
 - RN RELOCATED FIXTURE (NEW LOCATION).
 - RR EXISTING FIXTURE TO BE RELOCATED BY THE ELECTRICAL CONTRACTOR TO NEW LOCATION SHOWN ON RENOVATION PLAN.

ISSUE NO.	REMARKS:	BY	APPROV'D	DATE:
—	OWNER REVIEW	IMC	JJA	09.04.26
—	OSE REVIEW	IMC	JJA	09.14.26
1	ADD. NO. 1	IMC	JJA	10.08.26



REPLACEMENT PANEL "HEA"									
LOADS SERVED		BKR, AMP	LOAD KVA	CKT. NO.	(S / N)	CKT. NO.	LOAD KVA	BKR, AMP	LOADS SERVED
EXISTING PANEL LEA	70	—	1	3	—	2	—	20	EXISTING LIGHTING LOAD
		—	3	5	—	4	—	20	EXISTING LIGHTING LOAD
EXISTING EXTERIOR LTG LOAD	20	—	7	6	—	8	—	20	EXISTING EXTERIOR LTG LOAD
EXISTING EXTERIOR LTG LOAD	20	—	9	10	—	10	—	15	EXISTING HWP—2
SPACE	20	—	11	12	—	12	—		
SPACE	—	—	13	14	—	14	—		
SPACE	—	—	15	16	—	16	—	15	EXISTING SEF—1, SEF—2, SEF—3
SPACE	—	—	17	18	—	18	—		
EXISTING BGP3	125	—	19	20	—	20	—		
		—	21	22	—	22	—	20	EXISTING HWP—3
		0.4	23	24	—	24	—		
BC—2.1	15	0.4	25	26	—	26	—		
		0.4	27	28	—	28	—	20	EXISTING HWP—4
		1.6	29	30	—	30	—		
PANEL HEA2	30	1.6	31	32	0.2	32	0.2	15	BC—2.3
		1.6	33	34	0.2	34	0.2		
		—	35	36	0.2	36	0.2		
EXISTING HWP—1	15	—	37	38	0.8	38	0.8	15	BC—2.4
		—	39	40	0.8	40	0.8		
		0.2	41	42	0.8	42	0.8		
BC—2.2	15	0.2	43	44	0.4	44	0.4	15	BC—2.5
		0.2	45	46	0.4	46	0.4		
SPACE	—	—	47	48	0.4	48	0.4		
SPACE	—	—	49	50	0.8	50	0.8	15	BC—2.6
SPACE	—	—	51	52	0.8	52	0.8		
SPACE	—	—	53	54	0.8	54	0.8		

GENERAL PANEL SCHEDULE NOTES	
1	PROVIDE 4#12, #12G IN 3/4" CONDUIT FOR ALL <u>NEW</u> BRANCH CIRCUITS.

[illegible]

* PROVIDE LABEL INDICATING THAT PANEL IS FED FROM PANEL 'HEA' WITH A 30-AMP, 3-POLE BREAKER.

[illegible]

* PROVIDE LABEL INDICATING THAT PANEL IS FED FROM PANEL 'HA' WITH A 30-AMP, 3-POLE BREAKER.

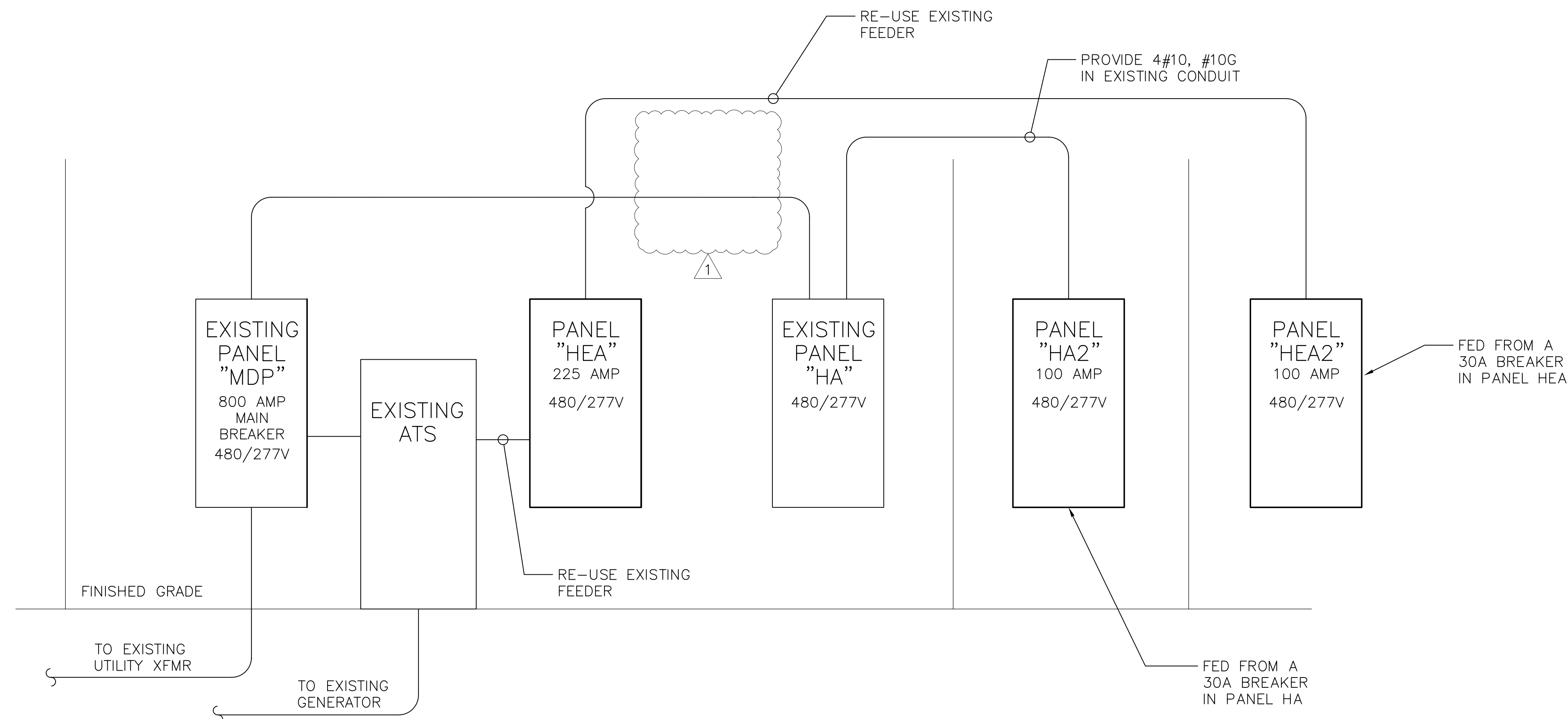
277/480V, 3 PH., 1W, 60 HZ 125 AMP M.L.O. SURFACE MOUNTED 25,000 A.I.C. SYM. (MINIMUM)				EXISTING PANEL "HA"						
LOADS SERVED		BKR, AMP	LOAD KVA	CKT. NO.	(S / N)	CKT. NO.	LOAD KVA	BKR, AMP	LOADS SERVED	
EXISTING LIGHTING LOAD		20	0.0	1		2	0.0	20	EXISTING LIGHTING LOAD	
EXISTING LIGHTING LOAD		20	0.0	3		4	—	20	SPARE	
EXISTING LIGHTING LOAD		20	0.0	5		6	—	20	SPARE	
EXISTING LIGHTING LOAD		20	0.0	7		8	3.1	—	—	
EXISTING LIGHTING LOAD		20	0.0	9		10	3.0	20	CHP-2 (7.5)	
EXISTING LV RELAY PANEL		20	0.0	11		12	3.0	—	—	
SPACE		—	—	13		14	0.0	20	EXISTING LIGHTING LOAD	
SPACE		—	—	15		16	0.0	20	EXISTING LIGHTING LOAD	
SPACE		—	—	17		18	1.0	—	—	
EXISTING EXTERIOR LTG LOAD		20	0.0	19		20	1.0	30	PANEL HA2	
EXISTING EXTERIOR LTG LOAD		20	0.0	21		22	1.0	—	—	
EXISTING EXTERIOR LTG LOAD		20	0.0	23	24	—	—	SPACE		
CHP-1 (7.5HP)		20	3.1	25	26	—	20	SPACE		
		20	3.0	27	28	0.0	20	EXISTING SITE LIGHTING LOAD		
		20	3.0	29	30	0.0	30	EXISTING SITE LIGHTING LOAD		
SPACE		—	—	31	32	—	—	SPACE		
		20	—	33	34	—	—	SPACE		
		—	—	35	36	—	—	SPACE		
		—	—	37	38	—	—	SPACE		
		—	—	39	40	—	—	SPACE		
		—	—	41	42	—	—	SPACE		
		—	—	41	42	—	—	SPACE		

CONNECTED LOADS (KVA)

☐A **7.2** ☐B **7.0** ☐C **7.0**

TOTAL LOADS (KVA)

21.2

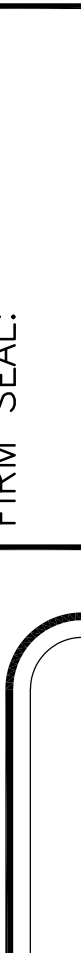
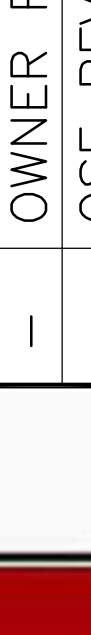


ELECTRICAL SINGLE LINE

SCALE: N.T.S.

EQUIPMENT CONNECTION SCHEDULE										
UNIT I.D.	CONNECTION DESCRIPTION		ELECTRICAL SUMMARY			DISCONNECT SUMMARY				NOTES
			VOLTAGE	# OF POLES	LOAD (VA)	FURN. BY	DISC. TYPE	DISC. RATING	NEMA RATING	
BC-1.1	BLOWER	COIL	277/480V	3	587VA	E	F	30A	1	
BC-1.2	BLOWER	COIL	277/480V	3	1,127VA	E	F	30A	1	
BC-1.3	BLOWER	COIL	277/480V	3	1,127VA	E	F	30A	1	
BC-2.1	BLOWER	COIL	277/480V	3	1,127VA	E	F	30A	1	
BC-2.2	BLOWER	COIL	277/480V	3	587VA	E	F	30A	1	
BC-2.3	BLOWER	COIL	277/480V	3	587VA	E	F	30A	1	
BC-2.4	BLOWER	COIL	277/480V	3	2,478VA	E	F	30A	1	
BC-2.5	BLOWER	COIL	277/480V	3	1,127VA	E	F	30A	1	
BC-2.6	BLOWER	COIL	277/480V	3	2,478VA	E	F	30A	1	
BC-3.1	BLOWER	COIL	277/480V	3	587VA	E	F	30A	1	
BC-3.2	BLOWER	COIL	277/480V	3	587VA	E	F	30A	1	
BC-3.3	BLOWER	COIL	277/480V	3	587VA	E	F	30A	1	
BC-3.4	BLOWER	COIL	277/480V	3	1,127VA	E	F	30A	1	
BC-3.5	BLOWER	COIL	277/480V	3	1,127VA	E	F	30A	1	
BC-3.6	BLOWER	COIL	277/480V	3	587VA	E	F	30A	1	

EQUIPMENT CONNECTION SCHEDULE NOTES	
1	ALL SWITCHES SHALL BE HEAVY DUTY TYPE AT 480-VOLT AND GENERAL DUTY TYPE FOR 240-VOLT.
2	"M" DENOTES DISCONNECT SWITCH INTEGRAL WITH MECHANICAL EQUIPMENT. "E" DENOTES DISCONNECT IS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
3	FOR DISCONNECT TYPE: "F" DENOTES FUSIBLE TYPE, "NF" DENOTES NON-FUSIBLE TYPE, AND "MTR" DENOTES MOTOR RATED TOGGLE SWITCH WITH LOCK-OUT ACCESSORY.
4	PROVIDE FUSES PER EQUIPMENT MANUFACTURER'S NAMEPLATE INFORMATION / WRITTEN INSTRUCTIONS.

SHEET NO. E201	Request: SCDJJ — CEC AIR HANDLER REPLACEMENT RIDGEVILLE, SOUTH CAROLINA N12-9640-AT-A	 MECHANICAL DESIGN INC. 4403 Broad River Road Columbia, S.C. 29810 (803) 731-9834 (803) 731-9837 FAX CONTACT: JUSTIN VARCO COMM. NO. 264171.A			 South Carolina DEPARTMENT OF JUVENILE JUSTICE	FIRM SEAL: A/E SEAL: DATE: 10/18/26	ISSUE: BY: APPROV'D: — OWNER REVIEW: IMC JLA 09.04.26 — OSE REVIEW: IMC JLA 09.14.26 1 ADD. NO. 1: IMC JLA 10.08.26
	Sheet Title: ELECTRICAL SCHEDULES						