



ADDENDUM No. 3
Request for Competitive Sealed Proposals (CSP)
19CSP067 HVAC and Electrical Improvements at Hill
Elementary School

December 3, 2018

Addendum 3 is attached

ADDENDUM NUMBER 3

Date Issued: November 29, 2018

Project: **HVAC and Electrical Upgrades at
Hill Elementary School
Austin Independent School District
PROJECT NO. 19CSP067 (19-0021-HILL)**

Bid Date: **December 5, 2018 by 2:00 PM CST**
Proposals should be mailed or delivered to:
AISD Contract and Procurement Services
1111 West 6th Street, Suite A-330
Austin, Tx 78703



11/29/18

Notice to Bidders:

- A. Submission of a bid is strictly voluntary and, by submitting a bid to Austin Independent School District, the bidder agrees fully and unconditionally to accept the terms of this bidding process without claim or later recourse.
- B. All of the provisions of the original contract documents remain in effect except as specifically modified herein.
- C. This Addendum shall be considered part of the Contract Documents for the above mentioned project as though it had been issued at the same time and incorporated therewith. Where provisions of the following supplementary data differ from those of the original contract documents, this Addendum shall govern and take precedence. Bidders are hereby notified that they shall make any necessary adjustment in their estimates on account of this Addendum. It will be construed that each Bidder's proposal is submitted with full knowledge of all modifications and supplemental data specified herein.

PRE-BID QUESTIONS/RESPONSES:

Question 1: The duct detector on M301 is shown on the Return Side of RTU-3. The Fire Marshal requires that the duct detection be installed on the Supply side of units. Please verify if the duct detector should be installed on the supply side.

Response: The detector will be removed from the return and added to supply side for each zone. Refer to attached drawings M301 and E101.

Question 2: If the detector is to be installed on the supply side, please verify if a single detector can be installed or if (7) duct detectors will be required to cover each supply zone.

Response: A total of (7) detectors shall be installed. Refer to attached drawings M301 and E101.

Question 3: Please verify that per the specification these are to be Silent Knight 4-wire SD505-DuctR detectors which replaces the specified SD-505ADHR.

Response: Per specifications provide Silent Knight 4-wire SD505DuctR detectors.

Question 4: Please verify that these detectors should be powered by existing or new UL listed Fire Alarm Power Supplies with required battery backup.

Response: Detectors shall be powered by new UL listed Fire Alarm Power Supplies with required battery backup.

Question 5: Please verify if Remote Test Switches Type SD505-RTS should be provided for each duct detector.

Response: Provide Remote Test Switch Type SD505-RTS for each detector.

Question 6: Please verify the Wage Determination Date for this project.

Response: Waiting for ASID response....

Question 7: What is the weight of the existing outside air unit on Building B?

Response: This information is unknown. Unit is Venmar Energypack W-2-2700; Model: 9313; Serial: 493138511.

CHANGES TO THE PLANS:

(Replace with the following revised sheets)

Sheet A102 – Classroom B Reflected Ceiling Plan – Demo and New

- a. Revise roof access ladder attachment locations to building.

Sheet M301 – Floor Plan Mechanical

- a. Remove smoke detector in return ductwork.
- b. Add smoke detector in supply duct for each zone.

Sheet E101 – Floor Plan Electrical

- a. Add supply duct detectors as indicated.

Sheet E201 – Roof Plan Electrical

- a. Delete duct detector shown for RTU-3.

CHANGES TO THE SPECIFICATIONS:

Specification Section 01 21 00 – ALLOWANCES

- a. Add attached specification to the construction documents.
- b. Include Allowances for portable spot coolers, above ceiling wire management, and abatement services.

ATTACHMENTS

- a. Sheet A102
- b. Sheet M301
- c. Sheet E101
- d. Sheet E201

SECTION 01 21 00

ALLOWANCES

1.0 GENERAL

1.1 SUMMARY

- a. Section includes administrative and procedural requirements governing allowances.
- b. Types of allowances including the following:
 - (1) Lump-sum allowances.

1.2 SELECTION AND PURCHASE

- a. At the earliest practical date after award of the Contract, advise Engineer of the date when final selection, or purchase and delivery, of each product or system described by an allowance must be completed by the Owner to avoid delaying the Work.
- b. At Engineer's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- c. Purchase products and systems selected by Engineer from the designated supplier.

1.3 ACTION SUBMITTALS

- a. Submit proposals for purchase of products or systems included in the allowances in the form specified for Change Orders.

1.4 INFORMATIONAL SUBMITTALS

- a. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- b. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- c. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 LUMP-SUM ALLOWANCES

- a. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Engineer under allowance and shall include taxes, freight, and delivery to the Project site.
- b. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Engineer under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.6 UNIT-COST ALLOWANCE

- a. Allowance shall include cost to Contractor of specific products and materials ordered by the Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to the project site.
- b. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Engineer under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.7 QUANTITY ALLOWANCES

- a. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include freight and delivery to Project site.
- b. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Engineer under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.8 CONTINGENCY ALLOWANCES

- a. Use the contingency allowance only as directed by the Engineer for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- b. Contractor's overhead, profit, and related cost for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, insurance, equipment rental, and similar costs.
- c. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit.
- d. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

2.0 PRODUCTS (NOT USED)

3.0 EXECUTION

3.1 EXAMINATION

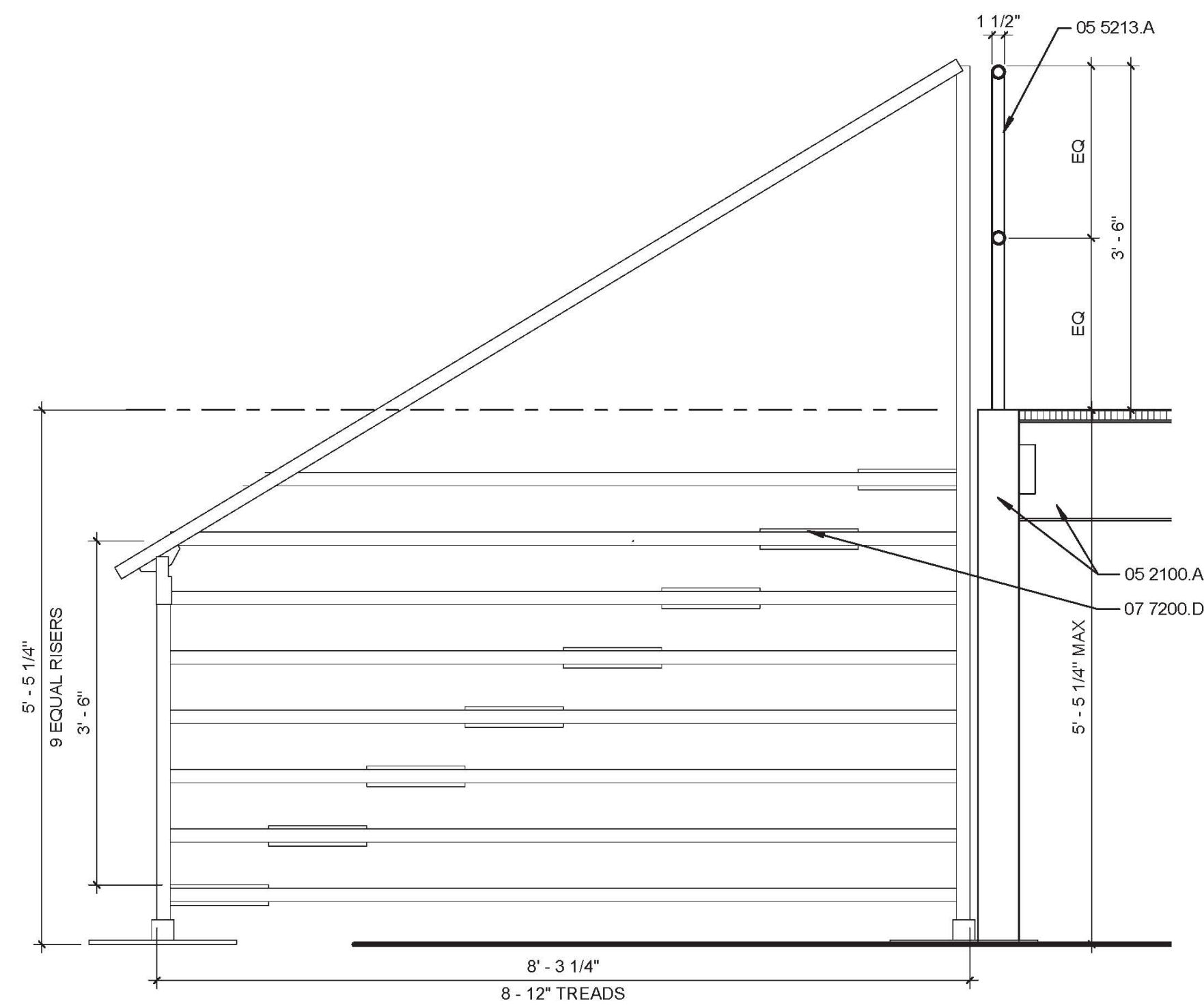
- a. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 SCHEDULE OF ALLOWANCES

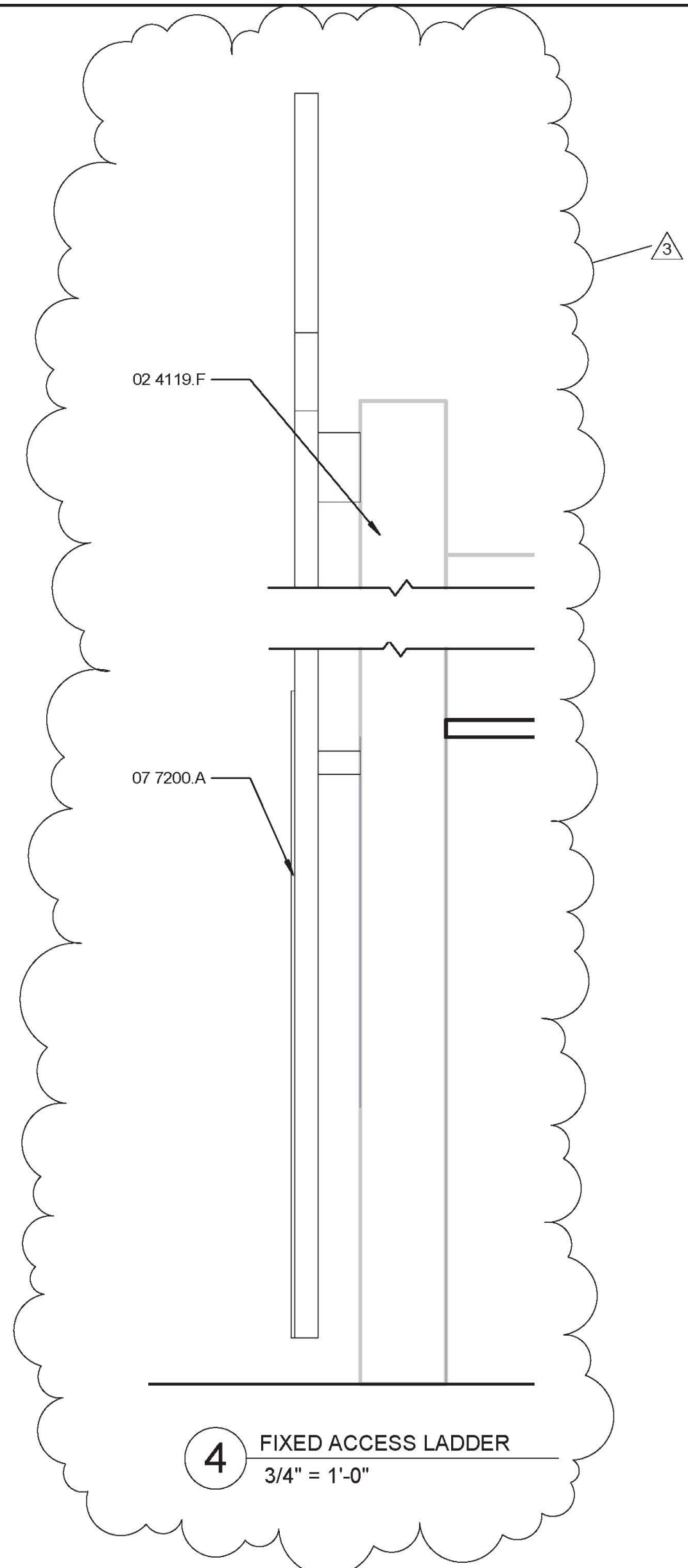
- a. Allowance No. 1: Lump-Sum Allowance: Include the sum of \$10,000.00: Include Supplemental Portable HVAC units as needed to maintain suitable temperature/humidity in owner occupied areas of the Administration Offices and/or Library if work schedule conflicts with school occupancy. Note that these are for the owner's comfort in occupied areas, and do not include any temporary HVAC equipment for the contractor's use during construction as shown on Drawings.

- (1) This allowance includes material cost receiving, handling, installation and removal and Contractor overhead and profit.
- b. Allowance No. 2: Lump-Sum Allowance: Include the sum of \$10,000.00: Include labor and materials for wire management above ceiling in classroom Building B where the HVAC systems replacement will take place. Where existing ceilings are called out for removal support all existing above ceiling wiring not properly supported by wire ties/support hangers.
- c. Allowance No. 3: Lump-Sum Allowance: Include the sum of \$10,000.00: Include for abatement services.

END OF SECTION 01 21 00



3 STAIR DETAIL
3/4" = 1'-0"



4 FIXED ACCESS LADDER
3/4" = 1'-0"

RCP LEGEND - EXISTING TO REMAIN

	EXISTING GYPSUM BOARD (GYP) TO REMAIN
	EXISTING 2 X 4 FLUORESCENT
	EXISTING LINEAR PENDANT LIGHTING
	CEILING MOUNTED LIGHT

RCP LEGEND - EXISTING TO REMAIN

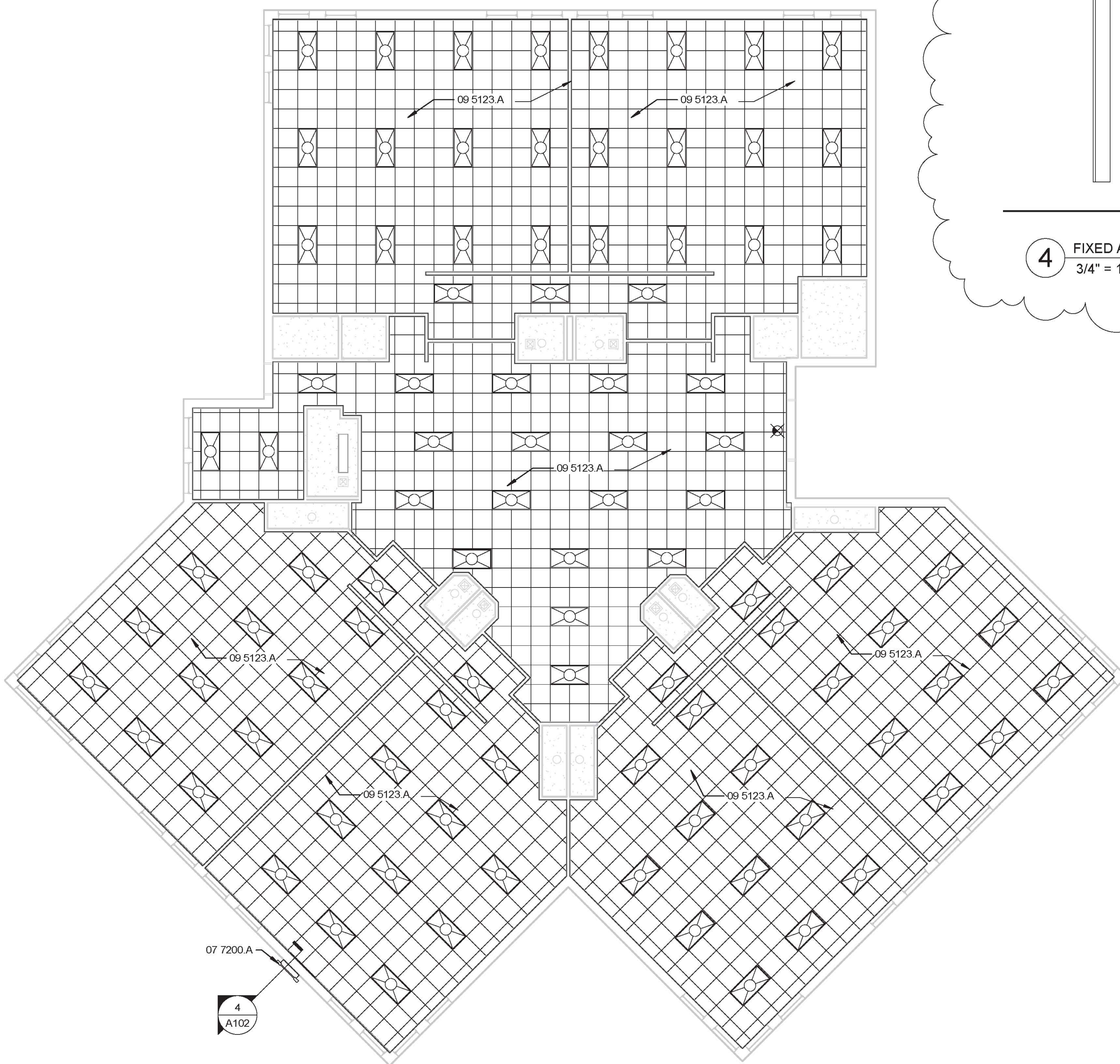
	NEW 2X2 CEILING TILE AND GRID
	SALVAGED 2 X 4 FLUORESCENT

RCP LEGEND - DEMO

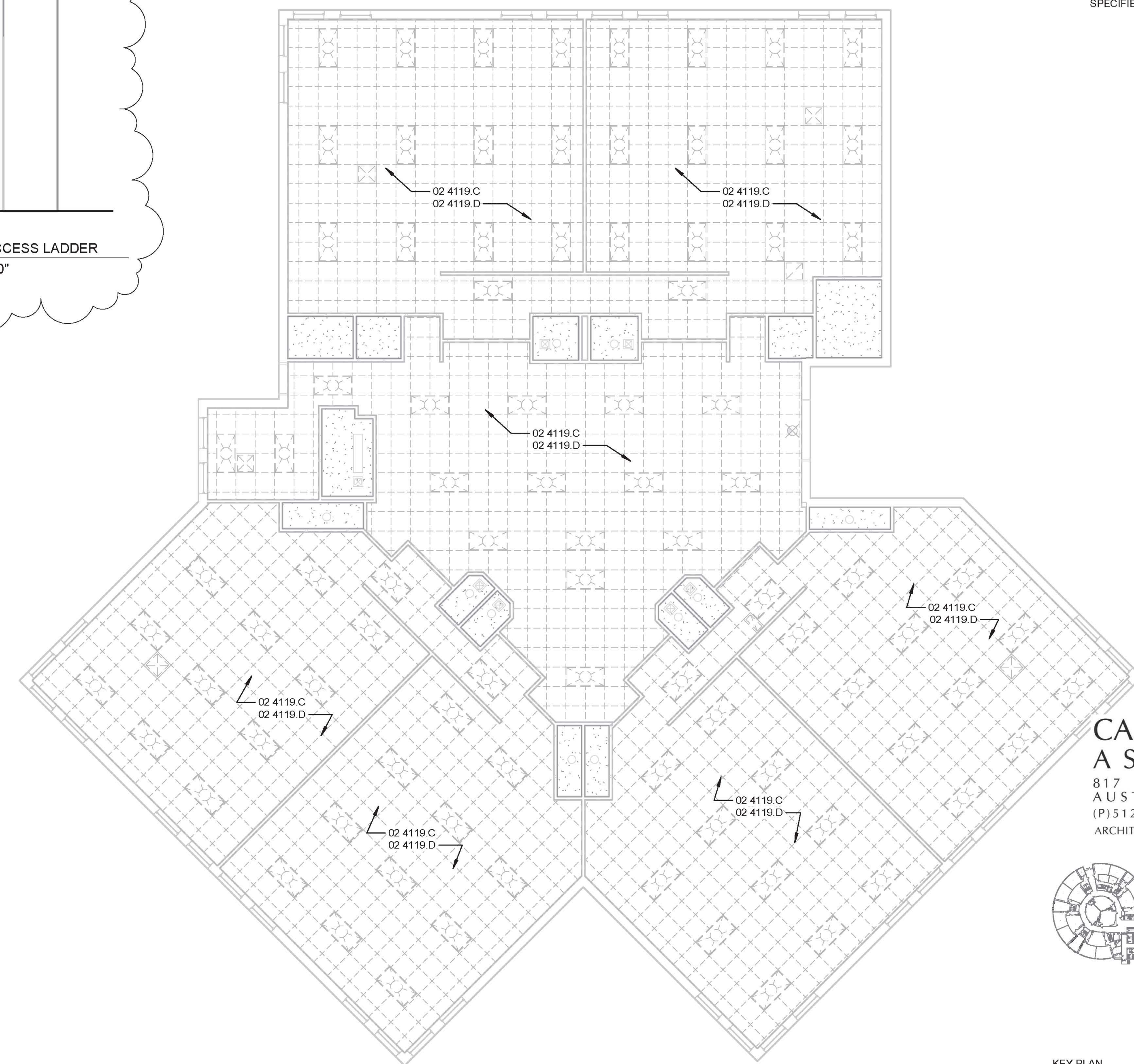
	EXISTING 2X2 CEILING TILE
	AIR DIFFUSER
	RETURN AIR
	EXISTING 2 X 4 FLUORESCENT REMOVE AND SALVAGE FOR RE-INSTALLATION
	EXISTING CEILING MOUNTED EXIT LIGHT REMOVE AND SALVAGE FOR RE-INSTALLATION

- GENERAL NOTES - FLOOR / CEILING PLAN**
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
 - MATCH EXISTING FINISHES AND ASSEMBLIES IN KIND UNLESS OTHERWISE NOTED INCLUDING SIZE, SPACING, SHAPE, TEXTURE AND COLOR.
 - COORDINATE ALL WORK AS NEEDED WITH OTHER TRADES TO ENSURE BUILDING REMAINS WEATHERTIGHT.
 - COVER AND PROTECT ALL EXISTING FURNITURE AND EQUIPMENT IN AREAS OF WORK.
 - REINSTALL EXISTING/SALVAGED FIXTURES, APPURTANANCES AND DEVICES AS NECESSARY TO RETURN BUILDING TO FULL FUNCTION UPON COMPLETION OF WORK. CONFIRM FUNCTION.
 - AFTER COMPLETION OF MECHANICAL WORK, REINSTALL CEILINGS AT LEVEL OF EXISTING CEILINGS. VERIFY HEIGHT PRIOR TO DEMOLITION.
 - REMOVE STORE AND PROTECT ALL FIXTURES, APPURTANANCES AND DEVICES INTENDED TO BE REINSTALLED.
 - PAINT ENTIRE EXTENT OF GYPSUM BOARD CEILING AREAS TO BE REPAIRED.

- KEYNOTES**
- | | |
|-----------|---|
| 02 4119.C | REMOVE EXISTING LIGHT FIXTURES, VENTS AND ANY EQUIPMENT LOCATED IN THE EXISTING CEILING SALVAGE AND STORE FOR RE-INSTALLATION - CONTRACTOR SHALL PROVIDE SUPPORTS FOR ALL WIRING THAT IS RESTING ON EXISTING GRID PRIOR TO NEW CEILING INSTALLATION |
| 02 4119.D | REMOVE EXISTING CEILING GRID AND TILES, TYP |
| 02 4119.F | EXISTING EXTERIOR WALL |
| 05 2100.A | STEEL PLATFORM FRAMING, REFER TO STRUCTURAL |
| 05 5213.A | INSTALL NEW METAL GUARD RAIL AT PERIMETER OF PLATFORM - PROVIDE OPENING FOR ACCESS STAIR COORDINATE/VERIFY OPENING SIZE REQUIRED TO ACCOMMODATE THE ACCESS STAIR |
| 07 7200.A | LOW PARAPET FIXED ACCESS LADDER WITH WALK THROUGH RAIL EXTENSION AND SAFETY DOOR AS SPECIFIED - CONTRACTOR TO VERIFY ROOF/PARAPET HEIGHT PRIOR TO PURCHASING LADDER. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS |
| 07 7200.D | PRE-ENGINEERED & PRE-FABRICATED METAL STAIR FOR PLATFORM ACCESS. REFER TO SPECS. VERIFY HEIGHT FROM TOP OF ROOF TO PLATFORM PRIOR TO PURCHASE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. |
| 09 5123.A | NEW ACOUSTICAL PANEL CEILING AND GRID AS SPECIFIED |

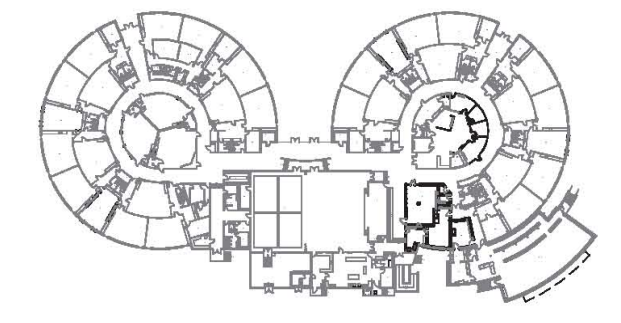


2 CLASSROOM B - REFLECTED CEILING PLAN - NEW
1/8" = 1'-0"



1 CLASSROOM B - REFLECTED CEILING PLAN - DEMO
1/8" = 1'-0"

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KEY PLAN

100% CONSTRUCTION DOCUMENTS



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Mechanical and Electrical Improvements
8601 Tailwood Drive Austin, TX. 78759

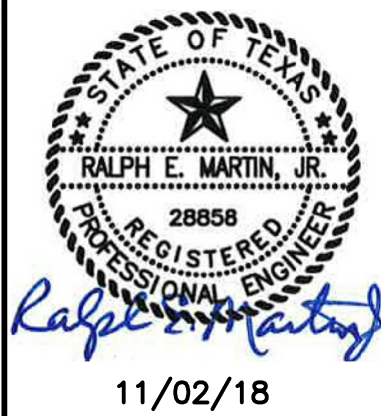
SHEET TITLE:
CLASSROOM B
REFLECTED CEILING
PLAN - DEMO & NEW

DATE: 11/02/18
PROJECT NO. 180601

REVISION:
3 ADDENDUM 11/29/2018

SHEET NO.
A102

11/20/2018 1:46:34 PM E:\2018 Revit Project\AISD Hill ES.dwg



11/02/18

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 8601 TALLWOOD DRIVE AUSTIN TX. 78759

GENERAL NOTES

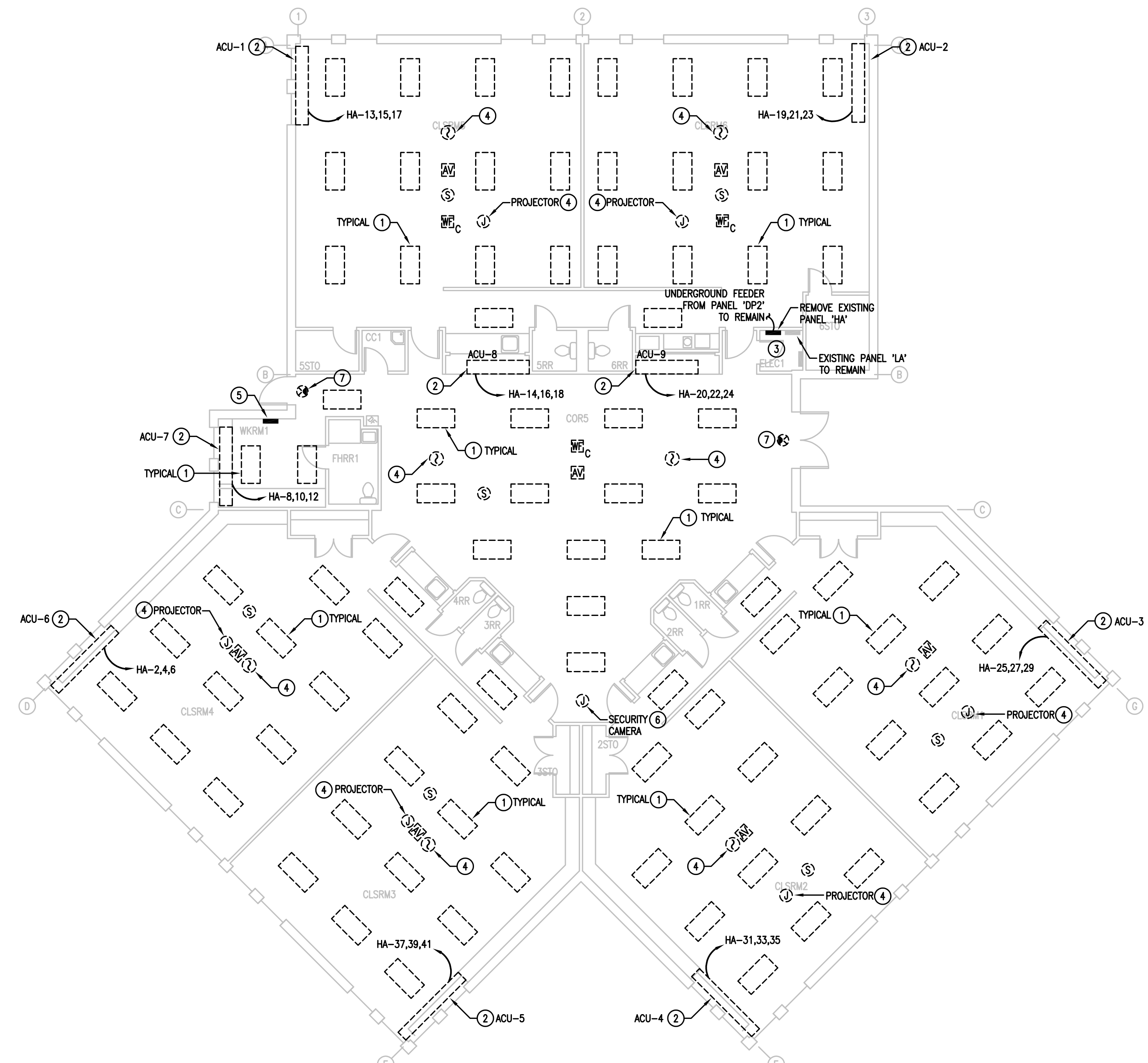
1. THE EXISTING FIRE ALARM SYSTEM IS A SILENT KNIGHT MODEL 5820XL. COORDINATE REMOVAL WITH FIRE ALARM SYSTEM REPRESENTATIVE.
2. COORDINATE REMOVAL OF INTERCOM SPEAKERS SYSTEM WITH REPRESENTATIVE.
3. COORDINATE REMOVAL OF DATA AND PROJECTOR DEVICE WITH AISD PERSONNEL.
4. DEVICES TO REMAIN CONNECTED AND LEFT ABOVE CEILING TEMPORARILY WITH PROPER SUPPORT WHEN CEILING IS REMOVED.

DEMOLITION KEYED NOTES

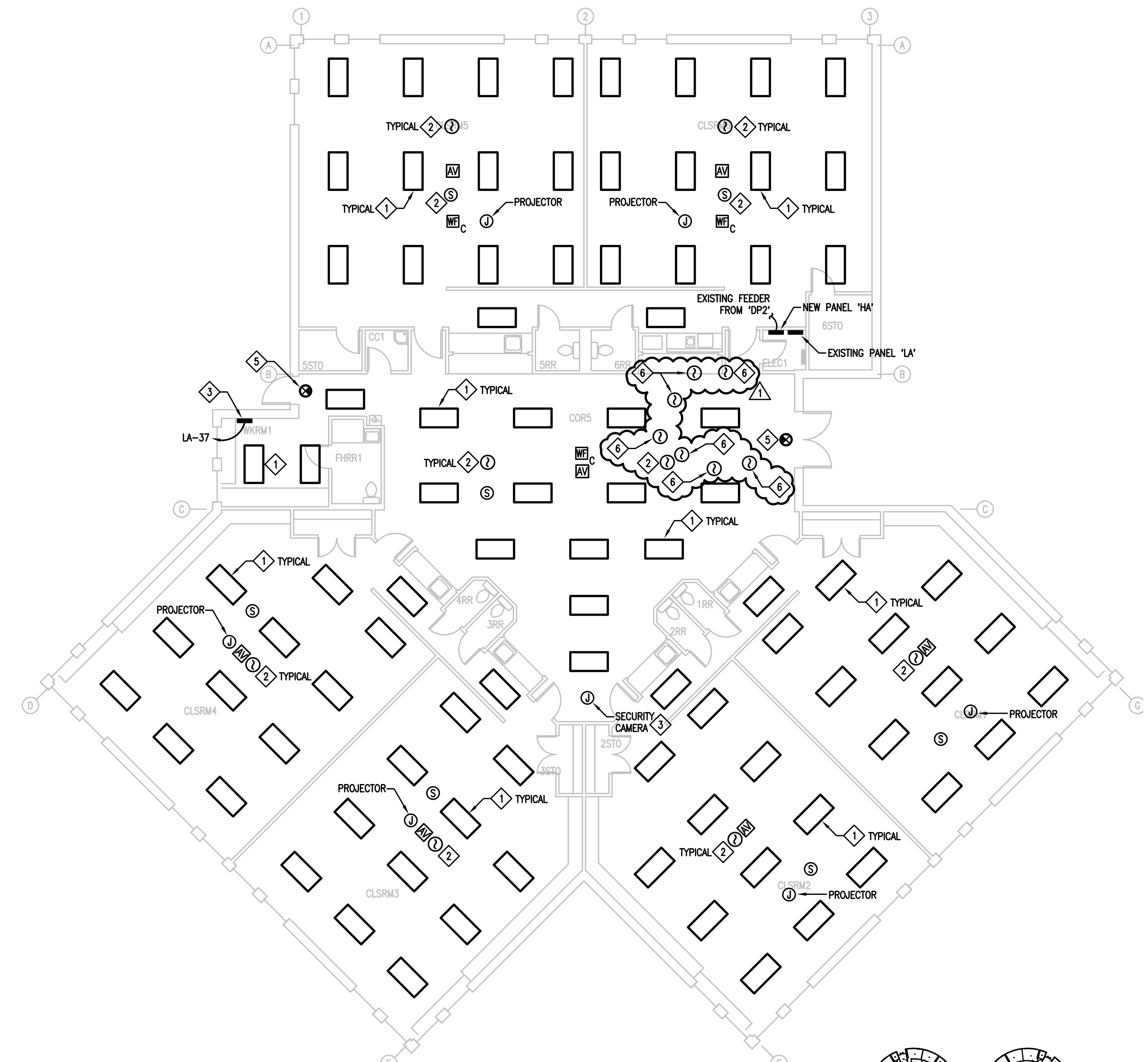
- 1 EXISTING 2x4 LIGHTING FIXTURES SHOWN DASHED SHALL BE CAREFULLY REMOVED FOR FUTURE RE-INSTALLATION ONCE NEW CEILING IS PROVIDED. BRANCH CIRCUITS SHALL REMAIN TO BE RECONNECTED TO SERVE THE REINSTALLED LIGHTING FIXTURES.
- 2 EXISTING HVAC EQUIPMENT SHALL BE DISCONNECTED AND 20A, 3P BRANCH CIRCUITS REMOVED FROM UNIT BACK TO 480V PANELBOARD 'HA'. REFER TO ARCHITECTURAL DRAWINGS FOR WALL, FLOOR, AND PAINT REPAIR.
- 3 REPLACE 480V PANELBOARD, REUSE 200A(4 #3/0, #6GND, 2-1/2" C) FEEDER FOR NEW PANELBOARD 'HA'.
- 4 REMOVE AND REINSTALL INTERCOM SPEAKER, SMOKE DETECTOR, AUDIO/VISUAL FIRE ALARM, WIRELESS NETWORK DEVICE, AND PROJECTOR IN CEILING OF EACH CLASSROOM AND CORRIDOR.
- 5 DISCONNECT 120V POWER FOR EXISTING HVAC CONTROL PANEL. REUSE CIRCUIT FOR NEW HVAC CONTROL PANEL.
- 6 REMOVE AND SALVAGE EXISTING SECURITY CAMERA UNDER DEMOLITION PHASE. REINSTALL CAMERA ONCE NEW CEILING IS INSTALLED.
- 7 REMOVE AND SALVAGE EXISTING EXIT LIGHTING. REINSTALL EXIT LIGHTING ONCE NEW CEILING IS INSTALLED. REFER TO NEW WORK THIS SHEET.

KEYED NOTES

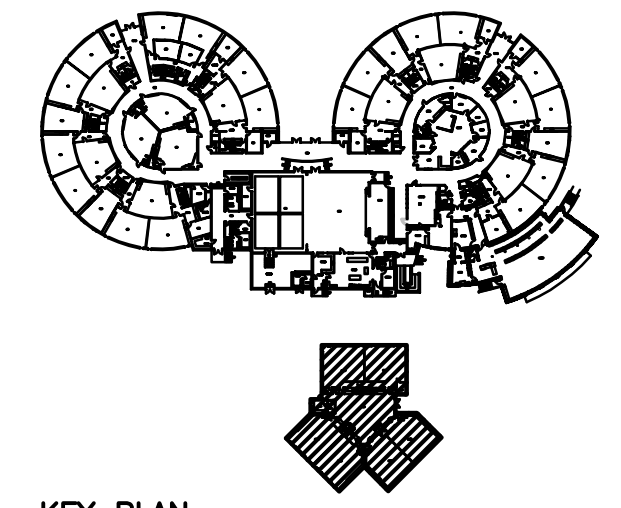
- 1 REINSTALL EXISTING 2x4 LIGHTING FIXTURES WITH NEW 3-F32 4000K LAMPS.
- 2 REINSTALL EXISTING INTERCOM SPEAKER, SMOKE DETECTOR, AUDIO/VISUAL FIRE ALARM, WIRELESS NETWORK DEVICE, AND PROJECTOR IN NEW CEILING OF EACH CLASSROOM AND CORRIDOR.
- 3 CONNECT NEW HVAC CONTROL PANEL TO EXISTING 120V CIRCUIT.
- 4 REINSTALL EXISTING SECURITY CAMERA IN NEW CEILING.
- 5 REINSTALL EXISTING EXIT LIGHTING IN NEW CEILING.
- 6 PROVIDE REMOTE TEST DEVICE IN CEILING DIRECTLY BELOW EACH DUCT DETECTOR.



1 BUILDING 'B' - DEMOLITION FLOOR PLAN - ELECTRICAL
 E101 SCALE: 1/8" = 1'-0"



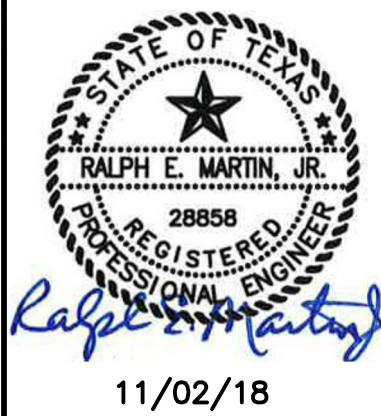
2 BUILDING 'B' - FLOOR PLAN - NEW LIGHTING/SIGNAL
 E101 SCALE: 1/8" = 1'-0"



KEY PLAN

100% CONSTRUCTION DOCUMENTS

SHEET TITLE: BUILDING B ELECTRICAL DEMOLITION AND NEW LIGHTING PLAN
DATE: 11/02/18 PROJECT NO. 99091
REVISION: ADDENDUM #3 11-29-18
SHEET NO. E101



AISD Hill Elementary School
Mechanical and Electrical Improvements
8601 TALLWOOD DRIVE AUSTIN TX. 78759

SHEET TITLE:
ELECTRICAL FLOOR PLANS -
DEMOLITION AND NEW WORK

DATE: 11/02/18
PROJECT NO. 99091

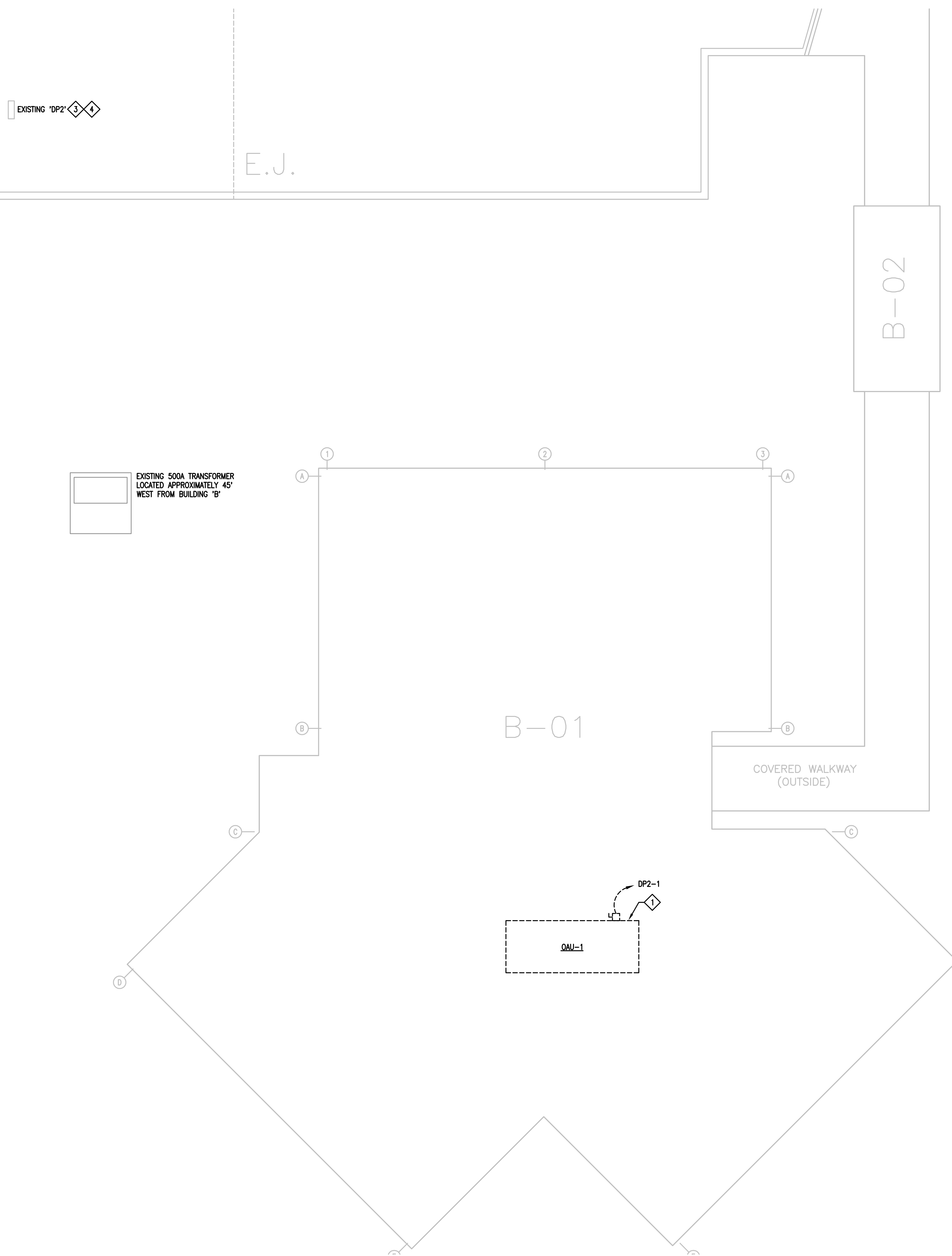
REVISION:
ADDENDUM #3 11-29-18

SHEET NO.
E201

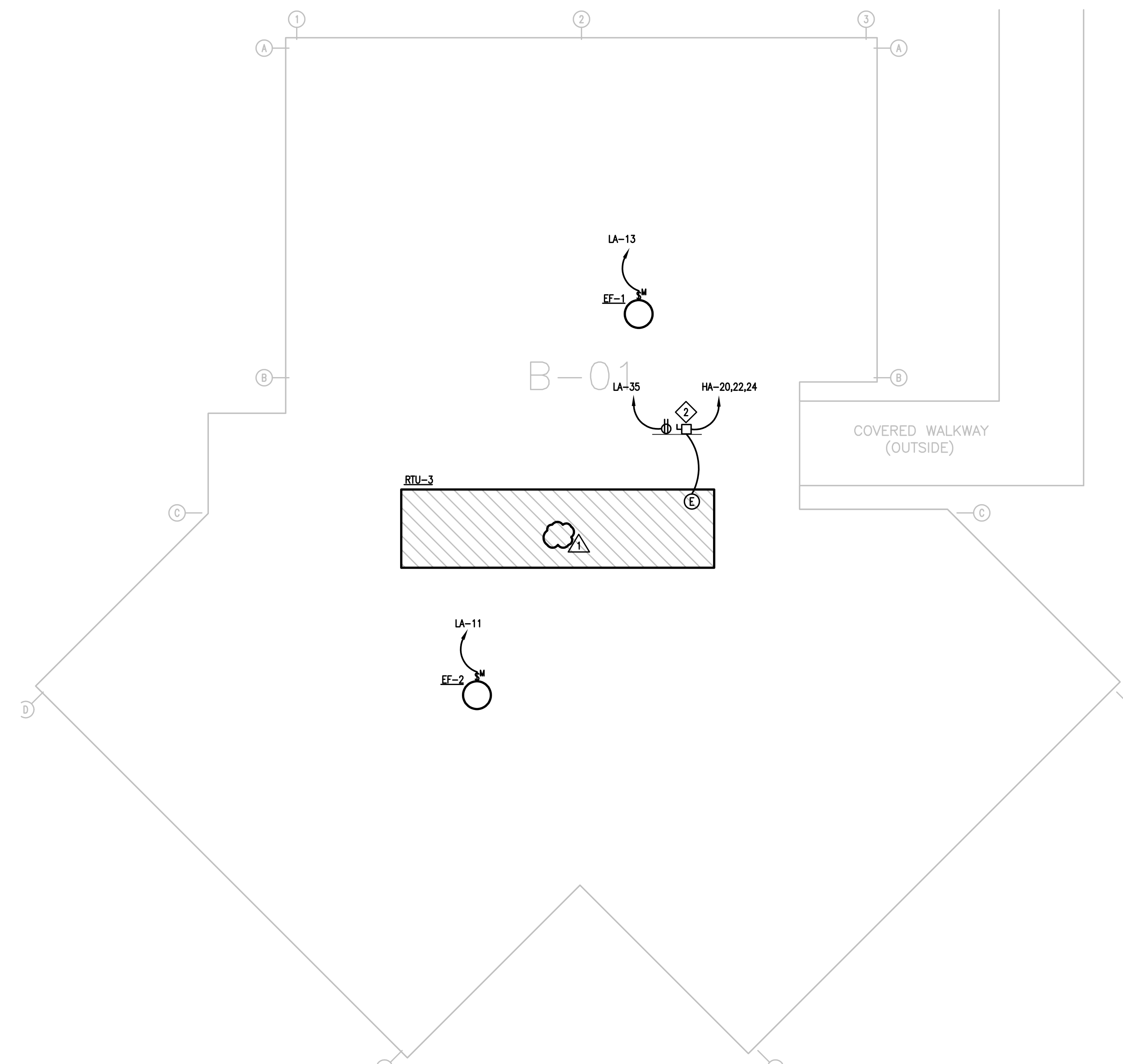
EXISTING 'DP2'

E.J.

EXISTING 500A TRANSFORMER
LOCATED APPROXIMATELY 45'
WEST FROM BUILDING 'B'

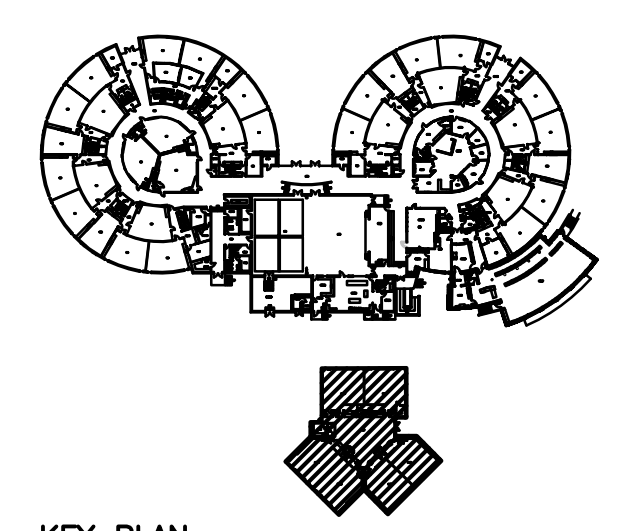


1 BUILDING 'B' ROOF DEMOLITION PLAN
E202 SCALE: 1/8" = 1'-0"



2 BUILDING 'B' ROOF NEW WORK PLAN
E202 SCALE: 1/8" = 1'-0"

- KEYED NOTES**
- 1 EXISTING OAU-1 AND BRANCH CIRCUIT TO BE REMOVED BACK TO PANEL. REMOVE DUCT DETECTOR SERVING THIS UNIT.
 - 2 PROVIDE 200A, 3P, NF NEMA 3R DISCONNECT SWITCH, 3 #1/0, 1 #6 GND, 1-1/2" C, AND NEW DUCT DETECTOR FOR RTU-3. COORDINATE ALL CONNECTIONS WITH HVAC INSTALLER. SEE DETAIL 4/R-301 FOR DISCONNECT INSTALLATION.
 - 3 EXISTING OAU-1 ON BUILDING B IS SERVED FROM PANEL 'DP-2' BREAKER. DISCONNECT BRANCH CIRCUIT AND REMOVE CONDUCTORS. ABANDON UNDERGROUND RACEWAY.
 - 4 EXISTING PANEL 'HA' IS LOCATED IN ELECTRICAL ROOM IN BUILDING 'B', SERVED FROM 200A BREAKER IN PANEL 'DP-2'.



KEY PLAN
100% CONSTRUCTION DOCUMENTS



11/02/18

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 8601 TALLWOOD DRIVE AUSTIN TX. 78759

SHEET TITLE:
 BUILDING B - NEW WORK
 FLOOR PLAN - HVAC

DATE: 11/02/18
 PROJECT NO. 99091

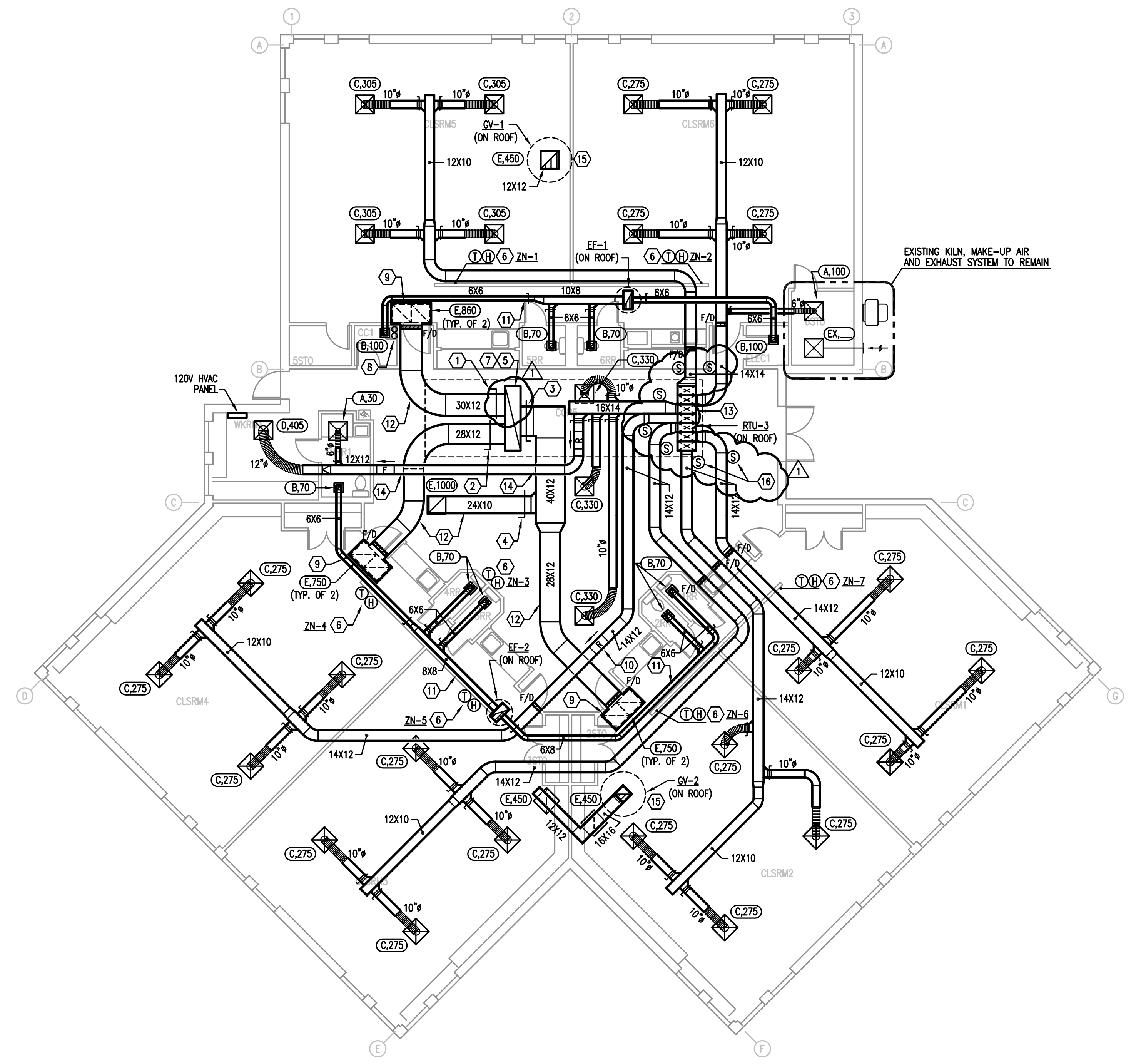
REVISION:
 Δ ADDENDUM #3-11/29/18

SHEET NO.
M301

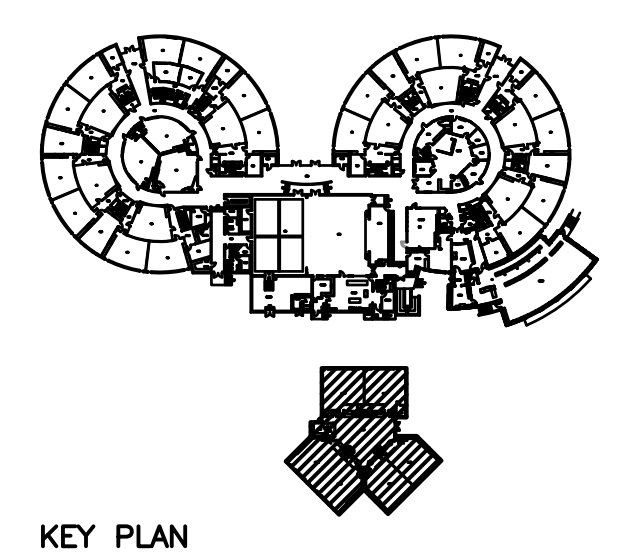
NEW HVAC LEGEND

	RTU ON ROOF
	NEW DUCTWORK, VOLUME DAMPER, AIR DEVICE
	NEW THERMOSTAT & HUMIDISTAT
	SMOKE DETECTOR
	FIRE DAMPER AT RATED WALL
	CFM TAG
	NEW EQUIPMENT TAG
	CHANGE IN ELEVATION (R) RISE, (F) FALL
	EXISTING EQUIPMENT TO REMAIN (U.O.N.)

- KEYED NOTES**
- BALANCE RETURN AIR DAMPER TO 1720 CFM.
 - BALANCE RETURN AIR DAMPER TO 1500 CFM.
 - BALANCE RETURN AIR DAMPER TO 2500 CFM.
 - BALANCE RETURN AIR DAMPER TO 1000 CFM.
 - INSTALL SMOKE DETECTOR IN THE RETURN AIR DUCT. DETECTOR SHALL SHUT DOWN RTU UPON DETECTION OF SMOKE.
 - FURNISH AND INSTALL TEMPERATURE AND RELATIVE HUMIDITY SENSORS IN SPACE 48" A.F.F. INTERLOCK WITH RESPECTIVE ROOF TOP UNIT.
 - RETURN AIR DUCT SHALL BE FULL SIZE, CLEAR AIRSTREAM DIMENSIONS, OF RETURN AIR OPENING AT UNIT. CONTRACTOR SHALL OFFSET DUCTWORK AROUND EXISTING JOIST.
 - CONDENSATE DRAIN FROM RTU ABOVE. ROUTE CONDENSATE DRAIN DOWN WALL TO JANITORS MOP SINK.
 - TRANSITION TO A FULLY INSULATED RETURN AIR PLENUM 24"Wx12"Hx48"L ABOVE BOTH RETURN AIR DEVICES.
 - OFFSET SUPPLY AIR DUCT ABOVE RETURN DUCT AND ROUTE BETWEEN STRUCTURAL JOIST WEBBING.
 - ROUTE EXHAUST DUCT THROUGH JOIST WEBBING.
 - ROUTE RETURN AIR DUCT TIGHT TO BOTTOM OF JOIST.
 - CONTRACTOR SHALL OFFSET DUCTWORK, BETWEEN ZONES, AROUND EXISTING JOIST.
 - OFFSET SUPPLY AIR DUCT ABOVE RETURN DUCT AND ROUTE BETWEEN STRUCTURAL JOIST.
 - TRANSITION RELIEF AIR DUCT FROM RETURN AIR GRILLES TO GRAVITY VENTILATORS LOCATED ON ROOF.
 - INSTALL SMOKE DETECTOR IS SUPPLY DUCTWORK. TYPICAL.



BUILDING 'B' FLOOR PLAN - HVAC
 M301 SCALE: 1/8" = 1'-0"



KEY PLAN
 100% CONSTRUCTION DOCUMENTS