



# Ventura County Community College District

PURCHASING DEPARTMENT

DATE: 06/25/25  
TO: All Bidders  
FROM: David Cienfuegos, Purchasing Specialist  
SUBJECT: Addendum 1 – Bid 711 Moorpark College SSA HVAC Replacement

*This addendum is hereby made part of the Contract Documents to the same extent as though it was originally included therein and takes precedence over the original documents. The outdated pages must be replaced with any updated and/or changed pages when submitting your bid. Acknowledge receipt of all addenda on the Bid Form.*

The bid opening remains on **Tuesday, July 1<sup>st</sup>, 2025**. Bids must be received no later than **3:00 p.m.** at 761 E Daily Drive, Suite 200, Camarillo, CA 93010. Properly mark the outside of the exterior envelope on your submitted bid with the Bid Number and Name according to the requirements stated in the bid packet directions.

If you choose not to participate in this particular bid, please sign the Bid Proposal stating “no bid” and email or fax it back to me at 805-652-7700.

It is the responsibility of the Bidder to verify that their proposal has been received by the VCCCD Purchasing Department prior to the opening date. Verification of receipt can be made through the listed Purchasing Specialist.

**Attached to this addendum, please find updated technical specifications, photos of the electrical panel, and the following notes:**

## **Attachments:**

**Sheet M1.0**  
**Sheet M2.0**  
**Sheet M3.0**  
**Photos of Electrical Panel**

## **Notes:**

### **Sheet M1.0:**

- 1) Remove and reinstall existing UV light assembly. See attached M1.0.
- 2) Remove and reinstall existing ALC control systems. Replace one non-functional ALC controller. See attached M1.0

### **Sheet M2.0:**



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- 1) Delete below roof condensate piping and drywall

Sheet M3.0:

- 1) Install copper with soldered wrought copper fittings condensate piping at each unit on Durablocks @ 5' oc and terminate at roof gutter.

The following information is in answer to questions that were asked at the job walk and via email request. The deadline for questions was Tuesday, June 24<sup>th</sup>, 2025. No further questions will be accepted.

1. Under special conditions – 1.10 Temporary Heat and Ventilation, please confirm temporary heating/colling will be required. The same section references new casework being delivered. Casework was not discussed at the job-walk or mentioned anywhere else in the bid documents. Please advise on if temp HVAC is required for this project. If required, please provide CFM, tonnage, electrical information, etc.
  - a. The project requires that the removal of existing HVAC units occur on a Thursday, allowing the roofing contractor (provided by Owner) to come in and seal the roof on Friday and the material to cure on Saturday – Sunday. The project requires that the new HVAC units be installed and connected the next day, Monday. If this is accomplished, no temporary HVAC is necessary. There is no casework in this project.
2. Under special conditions – 1.12 Temporary Water Services, please confirm if this is required. The section references the contractor installing new double check backflow device at the connection on the main water line. If required, please provide information on where this tie in is to take place.
  - a. This requirement only comes into the play if the contractor require temporary water.
3. Under special conditions – 1.13 Temporary Gas, please confirm if this is required. The new units are heat pumps and do not require natural gas. If required, provide a plan showing the exact scope, regulator size, etc.
  - a. The existing units are heat pumps and do not have a gas connection. Provide temporary gas only if required.
4. Under special conditions – 1.16 Temporary Fire Protection and Safety requirements, please advise if this building has a fire house and if it can be used to satisfy the requirement listed in this section, 'Hose: the number of outlets, supply of hose, and proper hose size to protect the construction area shall be determined by the local Fire



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marshal and be provided by the Contractor”. If the existing hose can be used to satisfy this requirement, please advise if this is required and if contractor shall include cost of fire inspection and fire hose for the project.

- a. There is a existing firehose. Contractor is required to satisfy all CalOSHA and OSHA requirements for this scope of work.
5. Under special conditions – 1.18 and 1.19 Construction and Contractors trailers, please advise if these will be required by the district for this project.
  - a. Contractor Trailers are not required.
6. Under special conditions – 1.20 Temporary Scaffold and Stairs, during the job-walk it was discussed that there was a building ladder that goes to the roof, but it was not available during the walk because concrete was being poured. Please advise if we can use this building ladder or if the contractor needs to furnish a scaffold stair to access the roof.
  - a. Contractor should plan to furnish everything necessary to complete their scope of work.
7. Contract duration is 120 days. If the lead time on the equipment exceeds or is delayed for any number of reasons, will the contract time be extended by appropriate length?
  - a. Cannot answer a hypothetical question.
8. Will the district work with the contractor on any potential tariffs that may be imposed after the release of units. Manufacturers have written in their terms of service that tariffs may be imposed at any time due to volatile conditions.
  - a. Cannot answer a hypothetical question.
9. During the job-walk we were walked into a classroom that had no ceilings. There was no existing ductwork or grilles in this classroom. Please confirm that the Contractor is not responsible for any new duct work below the roofline. Please confirm the Contractor is not responsible for any new air distribution.
  - a. Contractor is not responsible for any new air distribution below the roof.
10. During the job-walk, new roofing was discussed. Please confirm roofing scope is being contracted under a sperate contract and not included in this bid.
  - a. Confirmed.
11. Who is the controls vendor/contractor for the existing ALC controls? Who is the campus ALC controls authorized vendor/installer? Can the contract information for the vendor be provided?



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- a. The authorized vendor is Sunbelt Controls. You may reach out to Jess Lamas at [jlamas@sunbeltcontrols.com](mailto:jlamas@sunbeltcontrols.com), (626) 610-2340 ext 3128.
- 12. Please confirm utilities locator for the drywells will be provided by the district.
  - a. If utility marking is required for this project, Campus will mark the location one time.
- 13. Detail 1/M4 shows 1" liner for the roof duct. Should this be 2" since the duct is outside the conditioned space?
  - a. 1" liner has been used due to space limitations within new shroud.
- 14. Electrical panel location is not shown on the drawings and was accessible at the job-walk. Please provide the location and photos of the panel/breakers and of the electrical room.
  - a. Photos attached. See M2 Add 1 for panel locations
- 15. Please provide specifics on the Air Balance requirements. Note 10 specifies balance to volumes and indicted on plans, however the plans do not have volumes.
  - a. Contractor is only responsible to measure total supply and return air and to set the outside air to quantities shown on the equipment schedule.
- 16. Roof penetration to be done by separate roofing scope?
  - a. The flashing of the duct penetration will be performed under a separate contract. See answer to Question #1.
- 17. Existing HVAC to be removed on a Thursday?
  - a. Yes, please see Section 00800 Special Conditions of the bid packet for details.
- 18. Where is the crane to operate from?
  - a. Contractor option – Any location that does not damage the pathway or the setup location of the crane. Contractor shall be solely responsible for the repair of all damage caused by their operations.
- 19. Is a curb adapter apart of the scope?
  - a. No, check specs.
- 20. Is the contractor responsible for the duct work?





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- a. The contractor is responsible for the ducting above the roof to the points of connection at the roof level.
21. Is the awarded contractor responsible for coring?
- a. The drywell has been removed from the project, no coring is required. See M2 ADD1 and M3 ADD1
22. Who will mark the utilities?
- a. Campus will mark utilities prior to construction. See question 12 above
23. Are the UV lights to be reused?
- a. Yes, contractor shall remove and reinstall the UV lights with access door in new shroud. See M1 UV light notes.
24. Is the contractor responsible for removing and reinstalling the existing controls at the rooftop units.
- a. Yes, please see control notes on M1.0

*End of Section*

MECHANICAL NOTES

1. SCOPE OF WORK: WORK INCLUDES THE FOLLOWING: FURNISH AND INSTALL ALL EQUIPMENT AND CONTROLS SHOWN ON THE ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND DESCRIBED IN THESE NOTES, THE BOOK SPECIFICATIONS AND THE CONTRACT DOCUMENTS. WORK INCLUDES BUT IS NOT LIMITED TO: DEMOLITION OF TEN PACKAGE ROOFTOP HEAT PUMPS, DUCTING, CONDENSATE PIPING, AND CONTROLS. CONTRACTOR SHALL FURNISH AND INSTALL, MAKE OPERABLE, AND TEST ALL SYSTEMS AND MECHANICAL EQUIPMENT SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS AND CONTRACT DOCUMENTS. IN CONNECTION THEREWITH, CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY DEVICES, HARDWARE, AND SYSTEMS REQUIRED TO MAKE SAID EQUIPMENT PROPERLY AND SAFELY OPERABLE, INCLUDING BUT NOT LIMITED TO, INSULATION, FILTERS, DUCT SYSTEMS, CONTROL SYSTEMS, AND PATCHING.

2. INTERPRETATION OF DRAWINGS, SPECIFICATIONS OR CONTRACT DOCUMENTS. IF ANY BIDDER IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS; FINDS DISCREPANCIES, ERRORS OR OMISSIONS THEREIN; OR FINDS VARIANCES IN ANY OF THE CONTRACT DOCUMENTS WITH APPLICABLE RULES, REGULATIONS, ORDINANCES AND/OR LAWS, A WRITTEN REQUEST FOR AN INTERPRETATION OR CORRECTION THEREOF MAY BE SUBMITTED TO THE ENGINEER. IT IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE BIDDER TO SUBMIT SUCH REQUEST IN SUFFICIENT TIME FOR THE PREPARATION OF A RESPONSE THERETO AND DELIVERY OF SUCH RESPONSE TO ALL BIDDERS PRIOR TO THE SCHEDULED CLOSING FOR RECEIPT OF BID PROPOSALS. ANY REQUEST OF ANY BIDDER, PURSUANT TO THE FOREGOING SENTENCE THAT IS MADE LESS THAN SEVEN DAYS PRIOR TO THE SCHEDULED CLOSING DATE FOR THE RECEIPT OF BID PROPOSALS SHALL BE DEEMED UNTIMELY. ANY INTERPRETATION OR CORRECTION OF THE CONTRACT DOCUMENTS WILL BE MADE ONLY BY WRITTEN ADDENDUM DULY ISSUED BY THE OWNER OR THE ENGINEER. A COPY OF ANY SUCH ADDENDUM WILL BE MAILED OR OTHERWISE DELIVERED TO EACH BIDDER RECEIVING A SET OF THE CONTRACT DOCUMENTS. NO PERSON IS AUTHORIZED TO RENDER AN ORAL INTERPRETATION OR CORRECTION OF ANY PORTION OF THE CONTRACT DOCUMENTS TO ANY BIDDER, AND NO BIDDER IS AUTHORIZED TO RELY ON ANY SUCH ORAL INTERPRETATION OR CORRECTION. FAILURE TO REQUEST INTERPRETATION OR CLARIFICATION OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS PURSUANT TO THE FOREGOING SHALL BE DEEMED TO BE A WAIVER OF ANY DISCREPANCY, DEFECT, OR CONFLICT THEREIN.

3. DIMENSIONS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON WORKING DRAWINGS. ALL SIZES OF EQUIPMENT AND MATERIALS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER.

4. CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), 2022 CALIFORNIA BUILDING CODE, THE 2022 CALIFORNIA MECHANICAL CODE, THE 2022 CALIFORNIA PLUMBING CODE, THE 2022 CALIFORNIA ELECTRIC CODE, THE STATE OF CALIFORNIA, EQUIPMENT MANUFACTURER'S RECOMMENDED PROCEDURES, AND STANDARD CONSTRUCTION PRACTICES. NOTE: WHERE TWO OR MORE CODES CONFLICT, THE MOST RESTRICTIVE SHALL APPLY. NOTHING IN THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO APPLICABLE CODES.

5. SUBMITTALS REQUIRED: PRIOR TO ORDERING EQUIPMENT AND MATERIALS, CONTRACTOR SHALL FURNISH TO ENGINEER / OWNER SUBMITTALS AND SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIALS PROPOSED FOR USE IN THIS PROJECT. ORDERING OF EQUIPMENT AND MATERIALS SHALL ONLY PROCEED AFTER SATISFACTORY REVIEW OF ALL SUBMITTALS BY CONTRACTOR / ENGINEER / OWNER. COPIES OF ALL OWNER'S MANUALS, WARRANTIES AND OTHER WRITTEN INFORMATION REGARDING SYSTEMS SHALL BE PRESENTED TO OWNER PRIOR TO THE COMPLETION OF THE PROJECT.

6. CONSTRUCTION OBSERVATION: IN ADDITION TO THE REQUIREMENT FOR OBTAINING INSPECTIONS BY THE LOCAL JURISDICTION, CONTRACTOR SHALL NOTIFY ENGINEER AT APPROPRIATE TIMES DURING THE CONSTRUCTION PROCESS SO THAT ENGINEER CAN VISIT SITE TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS.

7. UNIT LOCATIONS: EQUIPMENT AND SYSTEM LOCATIONS SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS AND EXISTING CONDITIONS IN THE FIELD, AND LOCATE UNITS AND DUCTWORK TO AVOID INTERFERENCE. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER. ALLOW CLEARANCE FOR DUCTWORK AND PIPING. ALL CLEARANCES REQUIRED BY UNIT MANUFACTURER SHALL BE MAINTAINED. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH CODES AND THE RECOMMENDED INSTALLATION PROCEDURES PUBLISHED BY THE MANUFACTURER.

8. DUCTWORK & PIPING: CONTRACTOR SHALL INSTALL NEW DUCTWORK AND PIPING IN THE APPROXIMATE LOCATIONS SHOWN ON THE DRAWINGS. ALL DUCTWORK & PIPING SHALL BE SECURELY ANCHORED TO THE BUILDING IN AN APPROVED MANNER THAT WILL RENDER IT FREE FROM VIBRATION AND LATERAL MOVEMENT. CONTRACTOR SHALL PROVIDE WITHOUT COST TO THE OWNER ALL REQUIRED TRANSITIONS AND OFFSETS TO AVOID CONFLICTS WITH STRUCTURE AND OTHER TRADES.

9. MATERIALS - DUCTWORK: ALL NEW DUCTWORK FOR HVAC SYSTEMS SHALL BE GALVANIZED STEEL CONFORMING TO ASTM SPEC A525.

RECTANGULAR DUCTWORK SHALL BE MADE FROM GALVANIZED STEEL SHEETS. DUCT CONSTRUCTION, AND REINFORCING SHALL BE PER TABLES 6-1, 6-2, AND 6-3 OF THE CALIFORNIA MECHANICAL CODE. DUCTWORK SHALL BE OF THE FOLLOWING GAUGES: UP TO 12" - 26 GAUGE. 13"-30" - 24 GAUGE. CURVED ELBOWS SHALL HAVE CENTRALIZE RADIUS NOT LESS THAN THE WIDTH OF THE DUCT. WHERE ABRUPT TURNS AND ELBOWS ARE USED, TURNING VANES SHALL BE PROVIDED. TAKE-OFFS FROM MAIN DUCTS SHALL BE MADE WITH 45 DEGREE ANGLES WITH VOLUME DAMPERS WHERE SHOWN. ALL PANELS SHALL BE CROSS BROKEN TO ENSURE RIGIDITY.

10. BALANCING: FOLLOWING INSTALLATION, CONTRACTOR SHALL START UP AND BALANCE ALL HVAC SYSTEMS TO CONFORM TO AIR VOLUMES INDICATED ON PLANS. COPIES OF BALANCING RECORDS SHALL BE FURNISHED TO BUILDING OWNER AND PROJECT ARCHITECT. SEE BOOK SPECIFICATIONS FOR FURTHER REQTS.

11. CLEANUP: EVERY DAY, AND AFTER ALL WORK HAS BEEN COMPLETED, CONTRACTOR SHALL CLEAN ENTIRE JOB-SITE OF ALL DEBRIS ASSOCIATED WITH MECHANICAL SYSTEMS. EXPOSED PARTS WHICH ARE TO BE PAINTED SHALL BE THOROUGHLY CLEANED READY FOR PAINTING.

12. WIRING: ALL WIRING SHALL BE PERFORMED IN ACCORDANCE WITH NEC REQTS. ALL WIRING SHALL BE IN CONDUIT. ALL INTERIOR LOW VOLTAGE AND CONTROL WIRING SHALL BE IN WIREMOLD AND IN FAN ROOMS SHALL BE IN CONDUIT. EXPOSED CONDUIT SHALL BE INSTALLED IN A SQUARE, PLUMB, AND LEVEL MANNER WITH THOUGHT GIVEN TO THE FINAL APPEARANCES. PROVIDE TO ENGINEER SHOP DRAWING FOR CONTROL TRANSFORMER CONFIGURATIONS DETAILING CIRCUITS TO BE USED, LOAD CALCULATIONS, WIRE SIZES, AND LOCATIONS. WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRICAL CODE AND ELECTRICAL SPECIFICATIONS. ALL TRANSFORMERS SHALL BE PROTECTED BY PROPERLY SIZED CIRCUIT BREAKER OR FUSE(S). ALL TRANSFORMERS SHALL HAVE RESETABLE BREAKER ON THE LOAD SIDE. ALL LOW VOLTAGE CONTROL & COMMUNICATIONS WIRING SHALL BE DONE ACCORDING TO MANUFACTURERS INSTALLATION MANUAL. PROVIDE SUBMITTALS ON WIRE AND ENCLOSURES.

16. COORDINATION DURING CONSTRUCTION: THE CONTRACTOR SHALL COORDINATE ANY NECESSARY CHANGES IN WORK SCHEDULING WITH THE COLLEGE TO MINIMIZE THE DISRUPTION. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY HIS WORK TO BUILDING(S) AND EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

17. CORRECTION OF WORK: THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK THE OWNER FINDS DEFECTIVE OR FAILING TO CONFORM TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS REQUIRED BY THE CONTRACT DOCUMENTS, IF ANY OF THE WORK IS FOUND TO BE DEFECTIVE OR NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CORRECT IT PROMPTLY AFTER RECEIPT OF A WRITTEN NOTICE FROM THE OWNER TO DO SO.

18. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER PRIOR TO ACCEPTANCE OF THE PROJECT. AS-BUILTS SHALL BE ON PRINTED SHEETS AND ON MAGNETIC MEDIA.

19. ALL DUCTING SHALL BE KEPT CLEAN DURING THE CONSTRUCTION PROCESS. DURING AIR BALANCE REVIEW THE DUCTING WILL BE INSPECTED FOR CLEANLINESS. SHOULD DEBRIS AND OR DUST BE FOUND IN THE DUCT SYSTEMS SHALL BE CLEANED PER NACDA STANDARDS.

22. CONDENSATE DRAINS SHALL TERMINATE AT DRYWELLS. DRAINS SHALL BE U.S. MANUFACTURED TYPE 'L' COPPER WITH WROT COPPER FITTINGS AND SOLDERED JOINTS. CONDENSATE DRAINS SHALL HAVE CLEAN-OUTS AT CHANGE OF DIRECTION AND SLOPE TO DRAIN. INSULATE INTERIOR CONDENSATE DRAINS WITH CLOSED CELL FOAM PIPE INSULATION.

GENERAL NOTES

1. CUTTING, BORING SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED ON THE DRAWINGS OR ACCEPTED BY THE MECHANICAL AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

UV LIGHT NOTES

1. REMOVE (E) UV LIGHT SYSTEM AT EACH UNIT AND RE-INSTALL IN NEW UNIT DUCTING. PROVIDE ACCESS PANEL IN SHROUD FOR LIGHT CHANGING. CONNECT TO NEW UNIT POWER SUPPLY DOWNSTREAM OF DISCONNECT. REINSTALL VIEW PORT AND WARNING LABELS.

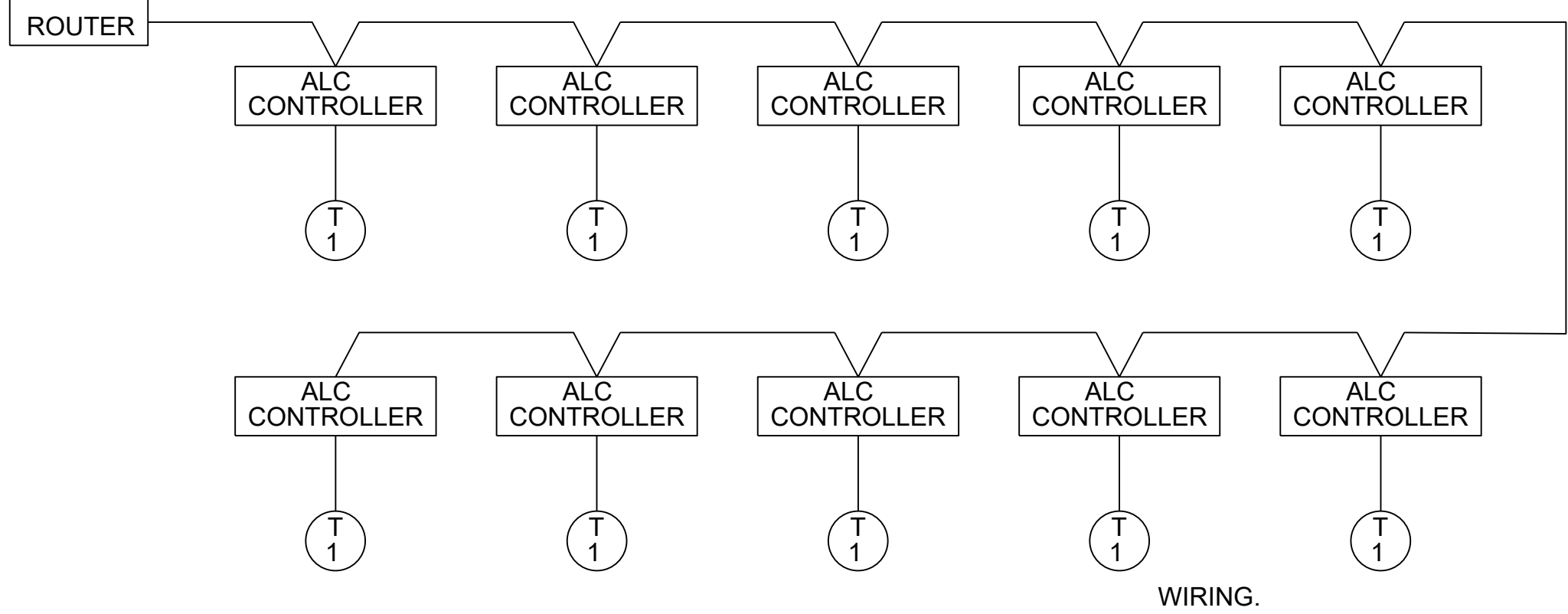
EXISTING UNITS SCHEDULE

TAG		TYPE	MAKE & MODEL	OPERATING WEIGHT (LBS)
AC 1		ROOFTOP UNIT	BARD PH11361-B	365
AC 2		ROOFTOP UNIT	BARD PH11481-B	450
AC 3		ROOFTOP UNIT	BARD PH11242	365

NEW UNITS SCHEDULE - HEAT PUMPS

TAG	TYPE	MAKE & MODEL	COOLING TOTAL CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	NOMINAL TONS	EER2 SEER2	CFM	CFM OSA	OPERATING WEIGHT (LBS)	ELECTRICAL DATA			SUPPLEMENTAL HEAT KIT		ACCESSORIES
										POWER	MCA	MOCP	SUPPLEMENTAL HEAT KIT	SEPARATE POWER SUPPLY	
<div>AC 1</div> <div>A-G</div>	ROOFTOP HEAT PUMP	TRANE 5WCZ5036*3	35,000	33,000	3.0	11.5 15.2	1,100	160	373	208-3-60	20	30	208/1/60 3.7 KW	30 AMP FUSED DISCONNECT	R-454B REFRIGERANT, E-COAT CONDENSER COILS. FILTER RACK 2" MERV 13 FILTERS. <div></div>
<div>AC 2</div> <div>A-B</div>	ROOFTOP HEAT PUMP	TRANE 5WCZ5048*3	39,500	35,800	4.0	11.5 15.2	1400	200	353	208-3-60	23	30	208/1/60 3.7 KW	30 AMP FUSED DISCONNECT	
<div>AC 3</div> <div>A</div>	ROOFTOP HEAT PUMP	TRANE 5WCZ5024	23,400	22,200	2.0	11.5 15.2	800	120	375	208-1-60	18	25	208/1/60 3.7 KW	30 AMP FUSED DISCONNECT	
<div>T 1</div>	THERMOSTAT	EXISTING AUTOMATED LOGIC CONTROLS			REMOVE, REINSTALL & RECONNECT EXISTING CONTROLS WITH NEW DISCRETE OUTPUT FOR SUPPLEMENTAL ELECTRICAL HEAT CONTROL. MODIFY PROGRAMMING AND GRAPHICS REPLACE ONE NON-FUNCTIONAL AUTOMATED LOGIC Z551 CONTROLLER										

EXISTING CONTROL TOPOLOGY



INPUTS OUTPUT

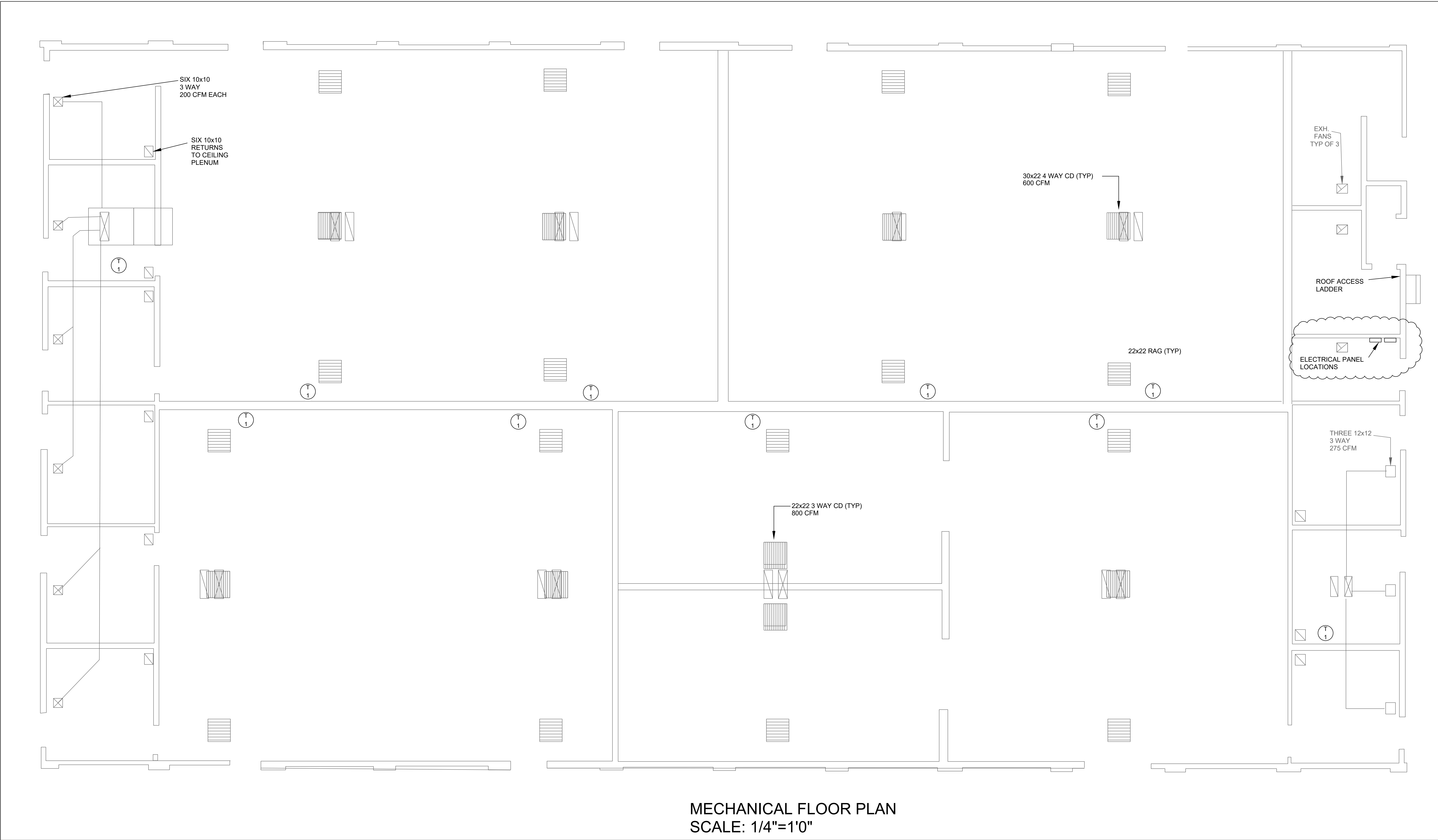
TSTAT  
SUPPLY AIR TEMP  
FAN ENABLE  
HEATING STAGE ONE (HEAT PUMP)  
HEATING STAGE TWO (ELECTRIC HEAT)

CONTROL NOTES

- ALL CONTROL WORK SHALL BE PERFORMED BY AN AUTOMATED LOGIC DEALER
- REMOVE (E) CONTROL PANEL AND ENCLOSURE FROM EACH UNIT AND STORE FOR RE-INSTALLATION. REINSTALL CONTROLLER AND PANEL ON NEW UNITS WITH NEW SHIELDED AND CONTROL WIRING AND CONDUIT AS NEEDED FOR COMPLETE INSTALLATION. INSTALL NEW SUPPLY AIR SENSOR AND WIRE AT EACH UNIT.
- ONE OF THE ALC CONTROLLERS IS FAULTY. REPLACE WITH NEW ALC Z551 CONTROLLER.
- FUNCTION TEST ALL MODES OF OPERATION AT NEW UNITS.




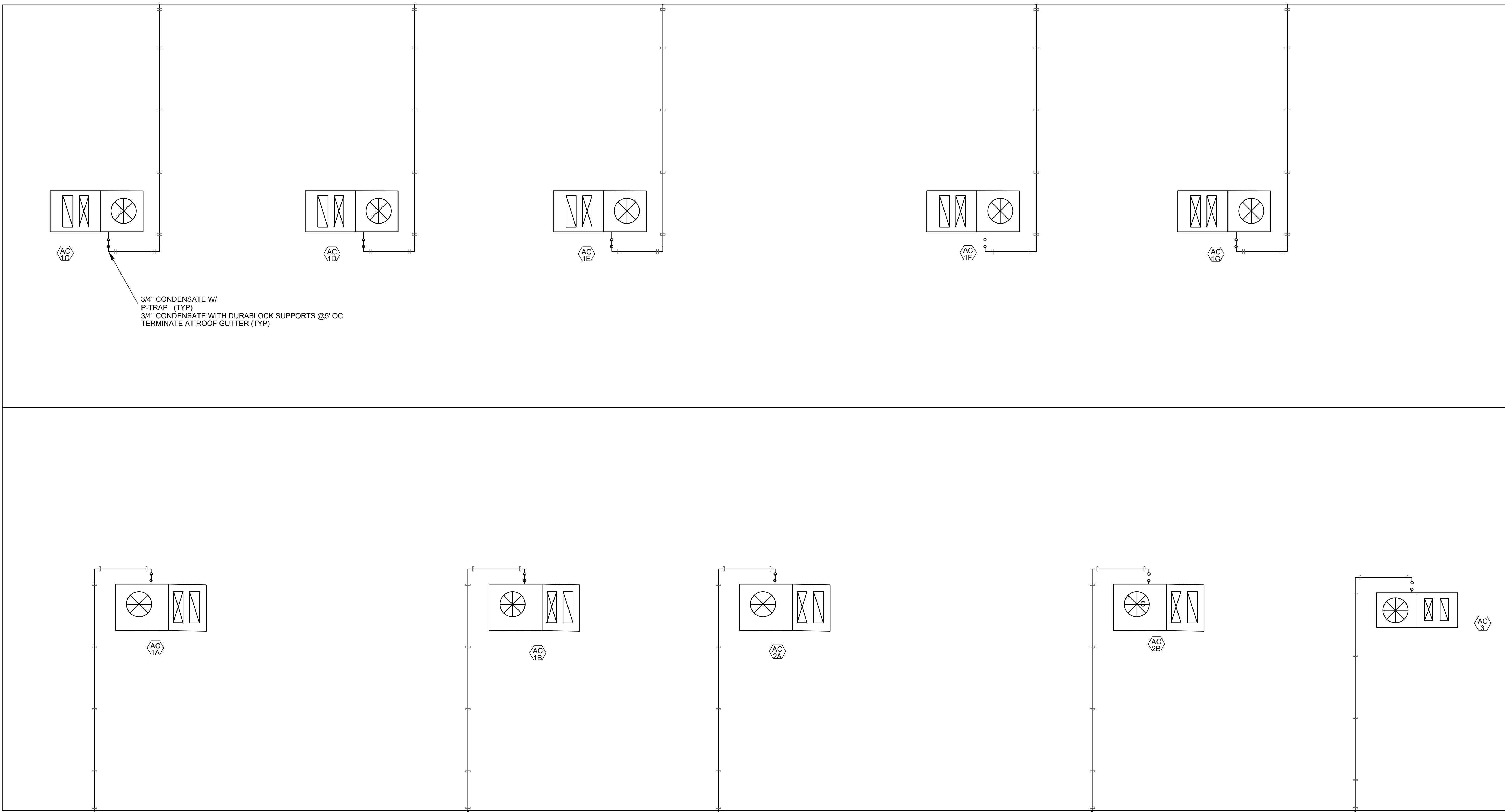




MECHANICAL FLOOR PLAN  
SCALE: 1/4"=1'0"




REV.	DATE	 <b>AE Group</b> Mechanical Engineers  638 East Front Street Ventura, California 93001-2925 (805) 653-1722 hugh@ae-groupme.com	M O O R P A R K   C O L L E G E  7 0 7 5   C A M P U S   R O A D ,   M O O R P A R K ,   C A L I F O R N I A   9 3 0 2 1  V E N T U R A   C O U N T Y   C O M M U N I T Y   C O L L E G E   D I S T R I C T	DEPARTMENT OF MAINTENANCE & OPERATIONS	SCALE: AS SHOWN	STUDENT SERVICE ANNEX HVAC REPLACEMENT PROJECT		SHEET NO.  M2  3 OF 5
	ADDENDUM #1			6-24-25	7075 CAMPUS RD. MOORPARK, CA. 93021 PHONE: (805) 378-1454 FAX: (805) 378-1593	DATE: 2-2-23	MECHANICAL FLOOR PLAN	
						BLDG. NO.		



MECHANICAL ROOF PLAN  
SCALE: 1/4"=1'0"



<div>REV.</div> <div>ADDENDUM #1</div> <div>DATE</div> <div>6-24-25</div>	<div> <b>AE Group</b> Mechanical Engineers</div> <div>838 East Front Street Ventura, California 93001-2925 (805) 653-1722 hugh@ae-groupme.com</div>	<div>M O O R P A R K C O L L E G E</div> <div>7075 CAMPUS ROAD, MOORPARK, CALIFORNIA 93021</div> <div>V E N T U R A C O U N T Y C O M M U N I T Y C O L L E G E D I S T R I C T</div>	DEPARTMENT OF MAINTENANCE & OPERATIONS	SCALE: AS SHOWN	STUDENT SERVICE ANNEX HVAC REPLACEMENT PROJECT	
			7075 CAMPUS RD. MOORPARK, CA. 93021 PHONE: (805) 378-1454 FAX: (805) 378-1593	DATE: 2-2-23	MECHANICAL ROOF PLAN	SHEET NO. M3
				BIDD. NO.		



HVAC PANEL

208 3Ø



OFFICES

WEST END

ROOM

107 A

107

ROOM

107 B

107

ROOM

111

A

ROOM

111

B

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

22

24

25

26

28

29

30

ROOM

108

ROOM

108

ROOM

108 & 110

ROOM

112

OFFICES

Rm 119

EAST END



tral

12

CON

DE

ROOM

108

ROOM

108 & 110

ROOM

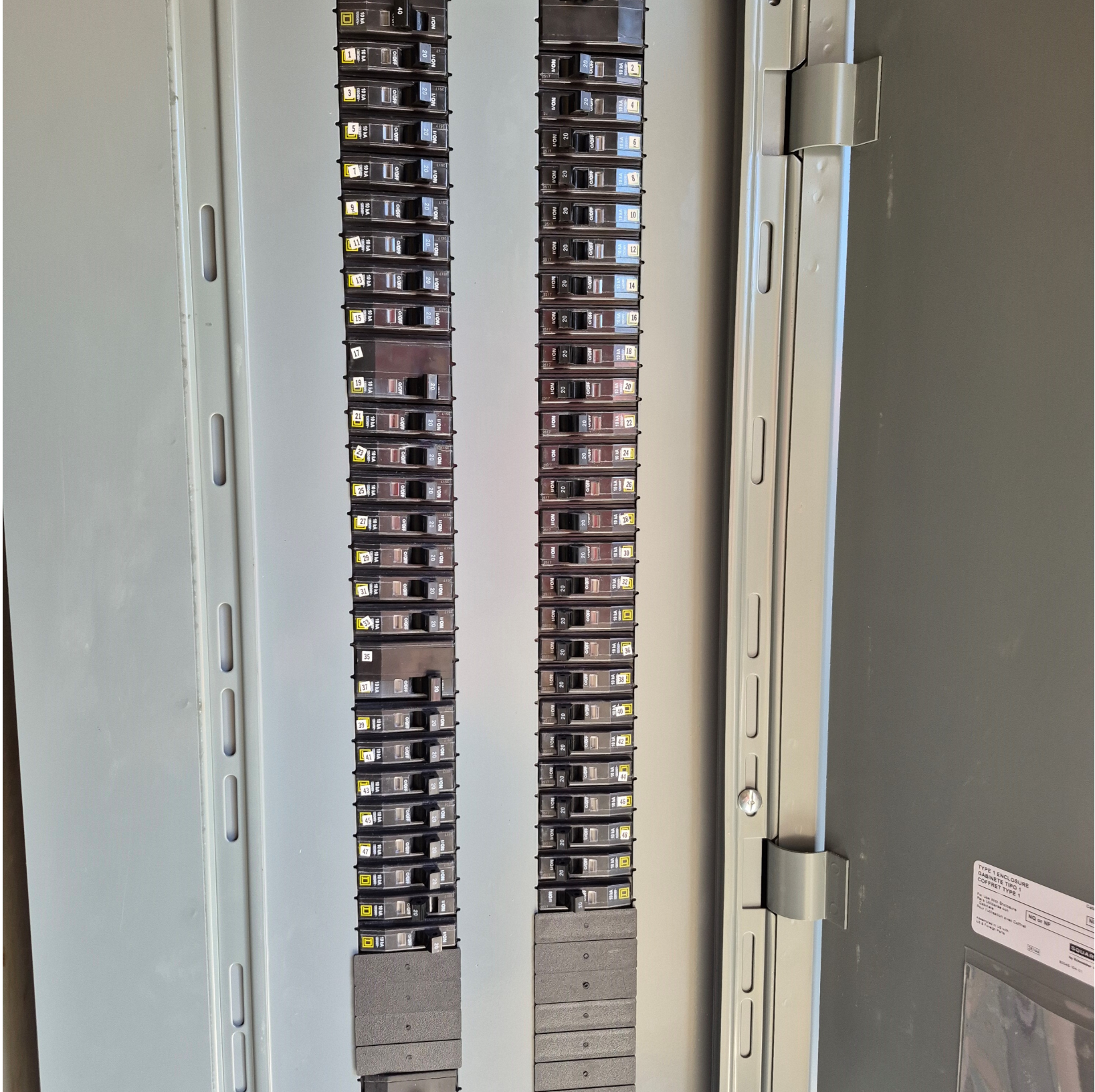
112

OFFICES  
Rm 119

EAST END







TYPE 1 ENCLOSURE  
GABINETTE TPO 1  
COFFRET TYPE 1

For use with Enclosure  
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