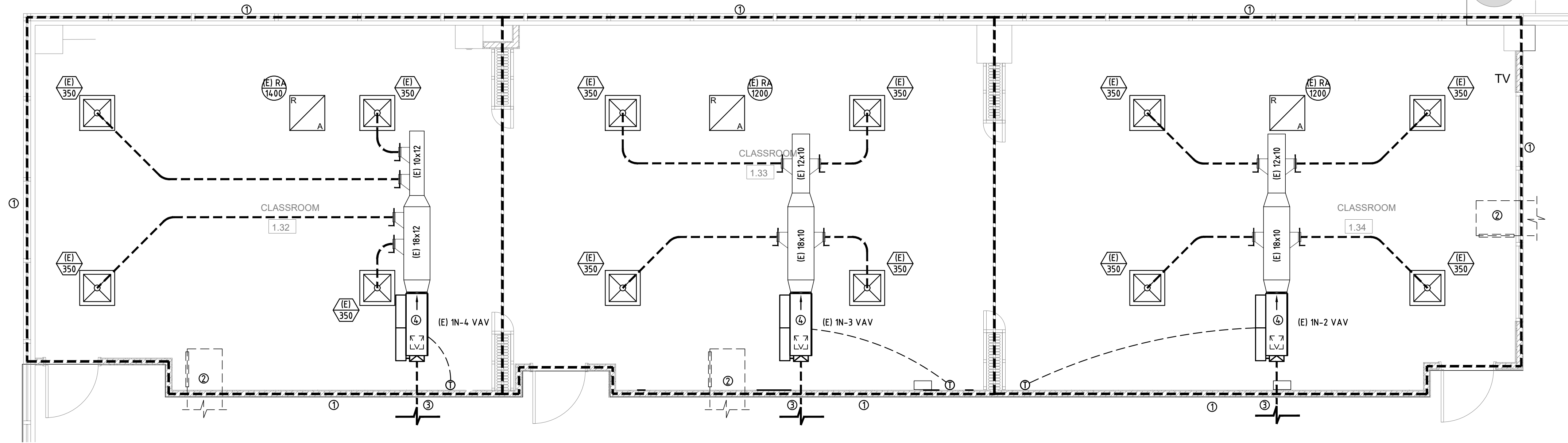




I CLASSROOM MECHANICAL PLAN
MI.1 Scale: 1/4" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF HVAC EQUIPMENT AND OTHER CEILING ELEMENTS, WHICH MAY RELOCATE DUE TO FIELD CONDITIONS.
2. CONFIRM WITH EOR AND OWNERS PRIOR TO INSTALLING OR RELOCATING THERMOSTATS.
3. ADJUST FRAMING AS NECESSARY TO ACCOMMODATE DUCTWORK.
4. ALL MECHANICAL EQUIPMENT ABOVE CEILING REQUIRES AN ACCESS PANEL FOR SERVICE. COORDINATE SIZE AND LOCATION WITH ARCH AND OWNER. FOLLOW ALL MANUFACTURER'S IOM GUIDELINES.
5. TERMINATE ALL EXHAUST ROOF PENETRATIONS WITH GASKETED BACKDRAFT DAMPER. PROVIDE ACCESS PANEL OR ATTIC ACCESS FOR EACH EXHAUST TERMINATION.
6. ENSURE ANY EXHAUST TERMINATIONS AT ROOF ARE 10 FEET OR MORE FROM ANY AIR INTAKE.

KEY NOTES:

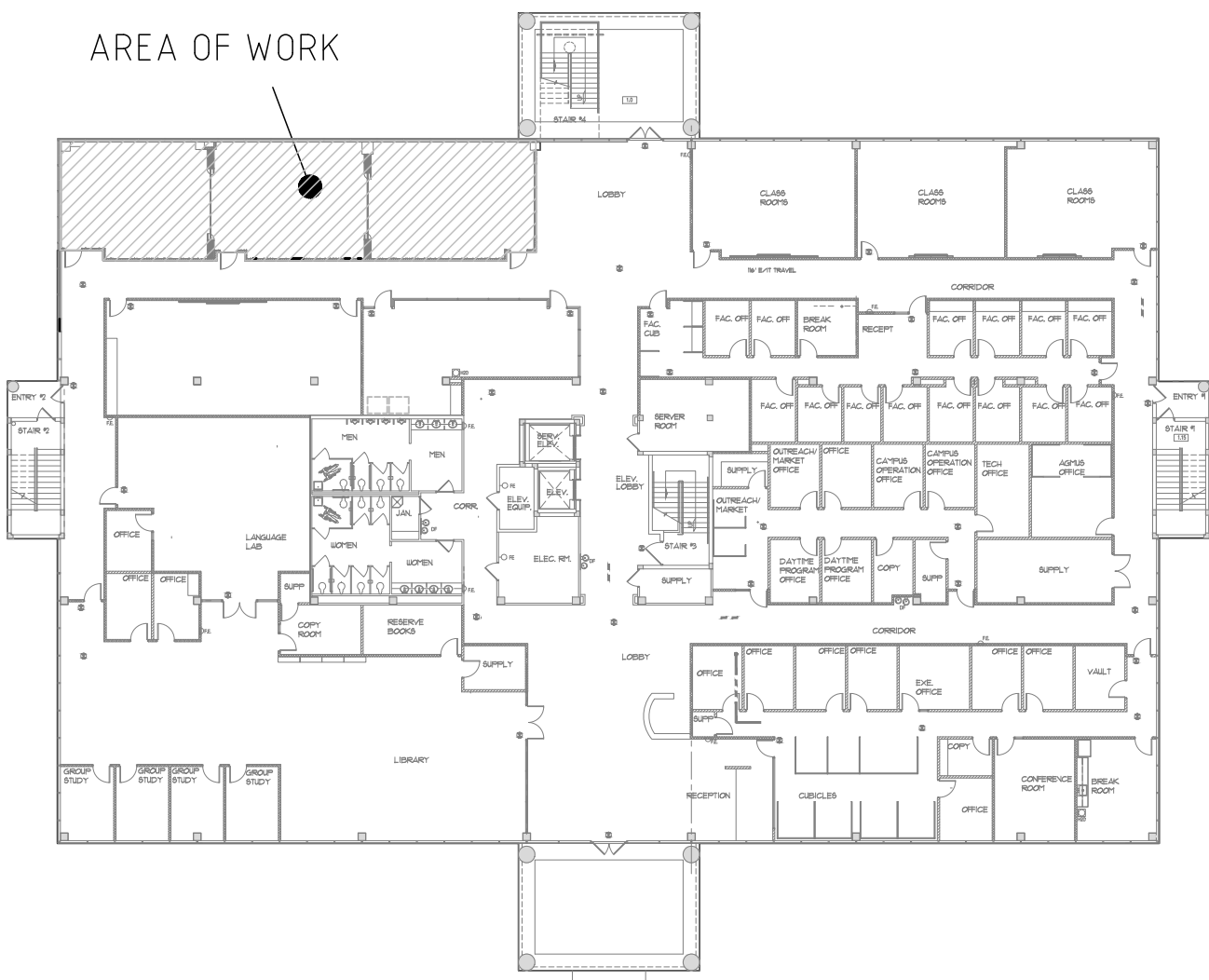
- ① DASHED LINES INDICATE EXISTING RETURN PLENUM CEILING WITH DRAFT STOP SEPARATION WALLS IN THE CEILING BETWEEN CLASSROOM SPACES. NO COMBUSTIBLE MATERIALS ALLOWED.
- ② EXISTING RIGID RETURN TRANSFER DUCT WITHIN RETURN PLENUM CEILING. CONTRACTOR TO VERIFY LOCATION IN THE FIELD.
- ③ EXISTING FLEX SUPPLY DUCT CONNECTION TO VAV. CONTRACTOR TO VERIFY LOCATION AND SIZE IN THE FIELD.
- ④ CONTRACTOR SHALL BALANCE THE EXISTING RTU TO THE NEW REQUIRED OUTSIDE AIRFLOW REQUIREMENTS FOR THE SPACES BASED ON THE MECHANICAL OUTDOOR AIR CALCULATIONS SCHEDULE LOCATED ON SHEET M0.2.

FLEXIBLE DUCT SIZING

AIRFLOW	DUCT SIZE
0-75 CFM	6"φ
61-160 CFM	8"φ
160-300 CFM	10"φ
301-450 CFM	12"φ
451-670 CFM	14"φ
671-1000 CFM	16"φ
1001-1350 CFM	18"φ
1351-1800 CFM	20"φ

NOTES: IF DUCT SIZE NOT SHOWN ON PLAN, PROVIDE DUCT SIZED ACCORDING TO TABLES ABOVE. IF CONFLICT EXISTS, USE LARGER SIZE DUCT.

CONTRACTOR TO CONFIRM EXISTING FLEX DUCT IS IN GOOD WORKING CONDITION. OTHERWISE PROVIDE FLEX PER FLEX DUCT SIZING TABLE.



DETAIL
NO. 1

KEY PLAN

SCALE:
1/32" = 1' - 0"

FIRE SAFETY FLORIDA STATUTES: TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH F.B.C. 2023 SECTION 110.8.4.4 AND CHAPTER 633, FLORIDA STATUTES.

PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

This item has been digitally signed and sealed on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

PERMIT SET: 06/17/26

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AGMU HVAC Classroom Renovation

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CLIENT

DATE 06/17/2026

Revision

PROJECT # 26009

MECHANICAL
PLAN

MI.1