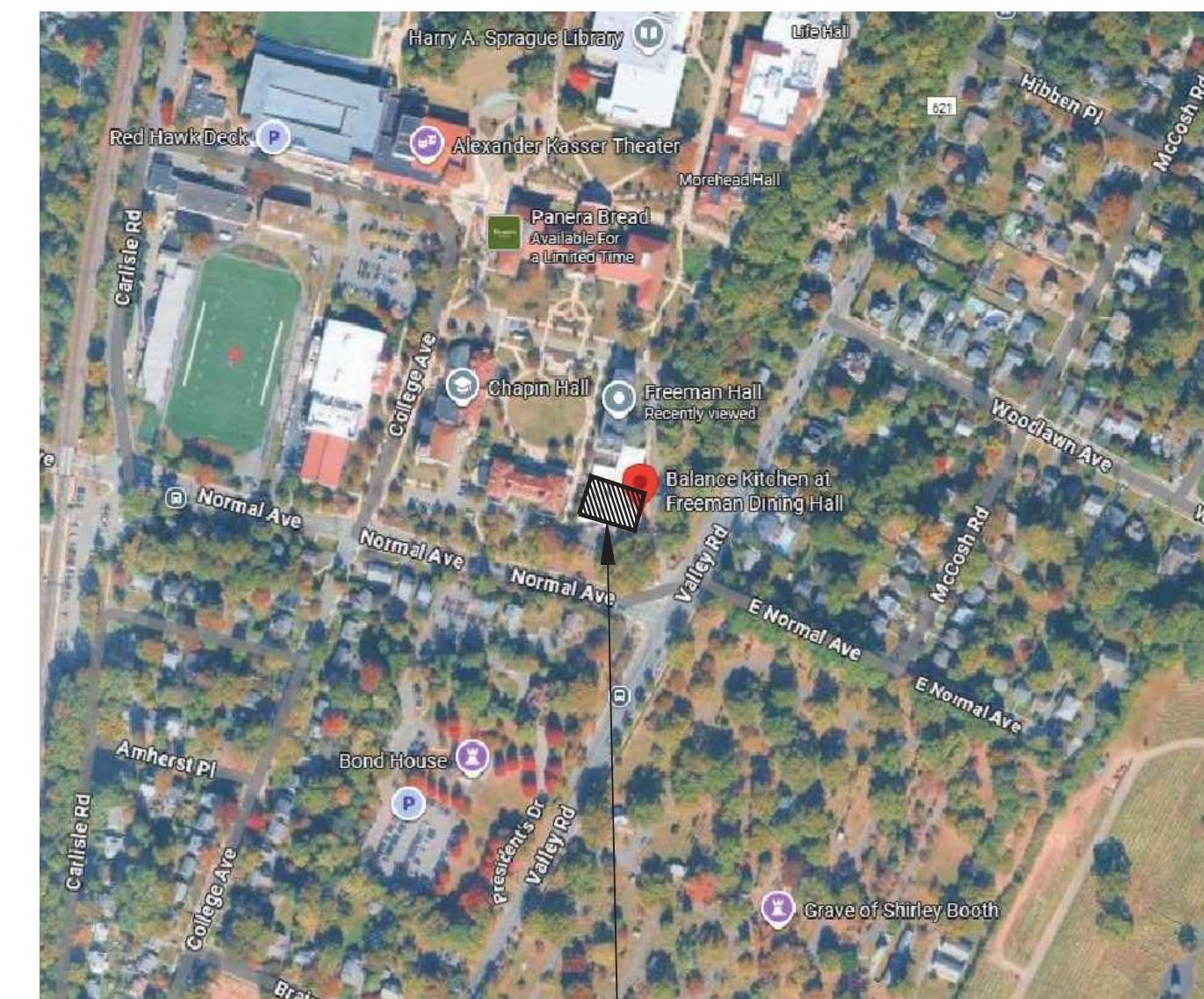


HVAC RENOVATIONS AT: FREEMAN HALL'S BASEMENT, PRACTICE RMS & CLASSROOMS, MONTCLAIR NJ, 07043

MONTCLAIR STATE UNIVERSITY



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SITE LOCATION MAP
NOT TO SCALE

SITE LOCATION,
FREEMAN HALL; BASEMENT

GARY MUSCIANO, RA, PP
NJ 0809
NY 221987
CA 29549
CO 401804
CT 7547
DC 400002
DE 65-0000190
FL 0010444
GA RA 012988
IL 001020501
IN 00101330067
IA 00041
KS 5073
LA 6969
MD 11039
MA 10131
NJ COA 21AC0008300
NJ PLANNER 33L00435100

KEY PLAN

MSU PROJECT NO.:
24CO26-1

NO:	DATE:	REVISIONS
2	01.14.26	ISSUED FOR BID
1	11.13.25	ISSUED FOR CONSTRUCTION

NO: DATE: SUBMISSIONS

CLIENT / PROJECT:

**MONTCLAIR
STATE UNIVERSITY**

MECHANICAL
RENOVATIONS
FREEMAN HALL
MONTCLAIR, NJ 07043

DRAWING TITLE:
**TITLE SHEET,
PROJECT LOCATION,
INFO., DWG LIST &
NOTES**

PROJECT MANAGER:	SCALE:
GM	AS NOTED
DRAWN BY:	DATE:
DRI	09/08/25
CHECKED BY:	PROJECT NO.:
GM	8130

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DRAWING NO.:

T-01

THIS DRAWING IS PRINTED FOR PLOTTING FULL SIZE AT 1:1. A 1/4" MARGIN IS LEFT ON ALL SIDES.

PROJECT DESCRIPTION:	LIST OF DRAWINGS		
RENOVATION WORK: THE BUILDING'S RENOVATION INCLUDES, BUT NOT LIMITED TO THE FOLLOWING: 1- DEMOLITION OF EXISTING PARTIAL CORRIDOR CEILING GRID SYSTEM/ LIGHT FIXTURES 2- DEMOLITION OF EXISTING HVAC DUCTWORK 2- NEW ERV MECHANICAL UNIT 3- NEW PARTIAL CORRIDOR CEILING GRID SYSTEM/ LIGHT FIXTURES	T-01... TITLE SHEET, PROJECT LOCATION, INFO., DRAWINGS LIST & NOTES SP-1... SPECIFICATIONS D-100... DEMOLITION CEILING PLAN & NOTES A-100... REFLECTED CEILING PLAN, TYPICAL CEILING CASSETTE MOUNTING, CEILING SECTION & NOTES M-100... DEMOLITION MECHANICAL PLAN M-101... MECHANICAL PLAN, TYPICAL LOUVER ELEVATION & SECTION E-100... ELECTRICAL PLAN & PANEL SCHEDULE	EXISTING CONDITIONS: 1. PLANS ARE BASED ON RECORD DRAWINGS PROVIDED BY THE OWNER AND, BY THEIR NATURE, MAY NOT NECESSARILY REVEAL ALL CONDITIONS THAT EXIST AT THE PROJECT SITE. THE CONTRACTOR IS TO FULLY INVESTIGATE THE PROJECT SITE AND CAREFULLY CONFIRM ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND ADVISE THE ARCHITECT IMMEDIATELY WHEN ANY DISCREPANCIES OCCUR. PERMITS: THE CONTRACTOR SHALL ARRANGE FOR & OBTAIN ALL NECESSARY APPROVALS AND INSPECTIONS AND OBTAIN FINAL INSPECTION AND PERMIT "CLOSE-OUT". MSU PAYS PERMIT FEES. LICENSES/INSURANCES: SUBCONTRACTORS SHALL BE LICENSED, BONDED, INSURED, & CAPABLE OF PERFORMING QUALITY WORKMANSHIP. APPROVALS: THE CONTRACTOR SHALL ARRANGE FOR AND OBTAIN ALL INSPECTIONS, APPROVALS & CERTIFICATIONS OF OCCUPANCY. REGULATORY REQUIREMENTS: 1. THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL CODES, LAWS & REQUIREMENTS, MOST RECENTLY ADOPTED EDITIONS, INCLUDING, BUT NOT LIMITED TO: - NJUCC § 523-6 REHABILITATION SUBCODE - INTERNATIONAL BUILDING CODE - 2021, NJ EDITION - NATIONAL ELECTRICAL CODE - 2020, NJ ED. - NATIONAL STANDARD PLUMBING CODE - 2021, NJ ED. - ASHRAE 90.1 - 2019, NJ ED. - INTERNATIONAL MECHANICAL CODE - 2021, NJ ED. - INTERNATIONAL FUEL GAS CODE - 2021, NJ ED. - BARRIER FREE SUBCODE ANSI 117.1 - 2017 2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL AND STATE LABOR LAWS & REGULATIONS CONCERNING WAGES, HIRING PRACTICES & TRAINING. 3. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS, OSHA RULES & REGULATIONS, & BUILDING / CONSTRUCTION CODES CONCERNING CONSTRUCTION SAFETY & HEALTH STANDARDS. ALL AS AMENDED BY THE STATE OF NEW JERSEY. 4. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE & LOCAL ORDINANCES ASSOCIATED WITH ENVIRONMENTAL PROTECTION MEASURES, ENERGY EFFICIENCY, DEMOLITION & DISPOSAL, AND NOISE & DUST CONTROL IN PUBLIC AREAS. 5. SUBCONTRACTORS ARE RESPONSIBLE FOR SAFEGUARDING OF ALL MATERIALS UNTIL INCORPORATED INTO THE WORK AND UNTIL ACCEPTANCE OF SUBSTANTIAL COMPLETION. 6. ALL CONTRACTORS ARE TO MAINTAIN THE PREMISES IN A NEAT & ORDERLY CONDITION DURING THIS CONTRACT. DISPOSE OF ALL DEBRIS AT THE END OF EACH DAY WORK. 7. AT PROJECT COMPLETION, CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL RUBBISH, WASTE MATERIAL & OTHER MATERIALS. REMOVE ALL TOOLS, VEHICLES, SURPLUS MATERIAL, ETC. FROM/ABOUT THE WORK SITE.	MATERIALS: 1. ALL MATERIALS SHALL BE NEW AND OF SPECIFIED QUALITY. 2. ALL MATERIALS, DEVICES AND EQUIPMENT SHALL CONFORM TO THE APPLICABLE STANDARDS OF ANSI, ASTM, NFPA, OSHA, AND UL. IN ANY INSTANCE WHERE THESE SPECIFICATIONS CALL FOR MATERIALS FOR CONSTRUCTION OF A BETTER QUALITY OR LARGER SIZE THAN REQUIRED BY THE CODES, THE PROVISIONS OF THESE SPECIFICATIONS SHALL TAKE PRECEDENCE. ALL WORK OF THIS PROJECT SHALL BE CAREFULLY COORDINATED WITH ALL INVOLVED TRADES. PROVIDE ALL NEEDED SAFETY DEVICES & PRECAUTIONS. 3. CONTRACTORS SHALL BID ON SPECIFIED PRODUCTS & SYSTEMS OR APPROVED EQUAL EQUIVALENT PRODUCTS MAY BE SUBMITTED FOR CONSIDERATION DURING THE PRODUCT REVIEW/SUBMITTAL PERIOD. GENERALLY ACCEPTABLE SUBSTITUTIONS ARE ACCOMPANIED BY A CREDIT TO THE OWNER. SHOP DRAWINGS: 1. SHOP DRAWINGS / MSDS/ OTHER PRODUCT DATA FOR ALL MATERIALS USED ON THIS PROJECT SHALL BE SUBMITTED FOR REVIEW PRIOR TO THEIR INSTALLATION. PROCEDURES FOR SUBMITTALS (IE. TYPES REQUIRED, NUMBER OF COPIES, ETC.) SHALL BE DISCUSSED AT THE PRE-CONSTRUCTION MEETING. CONTINUING OCCUPANCY: 1. CONTRACTOR IS TO COMPLY WITH THE RULES AND REGULATIONS OF THE OWNER FOR WORK HOURS. GENERAL NOTES: 1. ALL CONTRACTORS MUST PROTECT ALL PROPERTY FROM DAMAGE OR LOSS DURING THE CONTRACT. ALL DAMAGED, LOST, OR OTHERWISE DISRUPTED PROPERTY IS TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER. 2. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR THE PUBLIC, EMPLOYEES AND CONSTRUCTION WORKERS IN AND AROUND THE WORK AREA AND ADJACENT PROPERTY. THE CONTRACTOR IS TO FURNISH, INSTALL, AND MAINTAIN SAFETY MEASURES & BARRICADES TO PROTECT EMPLOYEES & RESIDENTS AS REQUIRED. 3. CONTRACTOR SHALL PROVIDE TEMPORARY PARTITIONS TO ENCLOSE THE AREA OF WORK. TEMPORARY PARTITIONS SHALL BE SEALED TO EXISTING CONSTRUCTION AS REQUIRED TO PREVENT MIGRATION OF CONSTRUCTION RELATED DIRT, DUST AND DEBRIS FROM CONTAMINATING NON-WORK SPACES. 4. CONTRACTORS ARE RESPONSIBLE FOR: SCHEDULING, THE PURCHASE, DELIVERY, RECEIVING, UNLOADING, STORAGE & SETTING IN PLACE OF ALL EQUIPMENT REQUIRED FOR THE PROJECT. 5. SUBCONTRACTORS ARE RESPONSIBLE FOR SAFEGUARDING OF ALL MATERIALS UNTIL INCORPORATED INTO THE WORK AND UNTIL ACCEPTANCE OF SUBSTANTIAL COMPLETION. 6. ALL CONTRACTORS ARE TO MAINTAIN THE PREMISES IN A NEAT & ORDERLY CONDITION DURING THIS CONTRACT. DISPOSE OF ALL DEBRIS AT THE END OF EACH DAY WORK. 7. AT PROJECT COMPLETION, CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL RUBBISH, WASTE MATERIAL & OTHER MATERIALS. REMOVE ALL TOOLS, VEHICLES, SURPLUS MATERIAL, ETC. FROM/ABOUT THE WORK SITE.
CONSTR. DATA / CODE ANALYSIS:	PROJECT NOTES:		
EXISTING BUILDING USE & AREA SUMMARY: USE GROUP: EXISTING USE GROUP: A2 CONSTRUCTION TYPE: 3B (SECTION 602) TABLE 503, ALLOWABLE HEIGHT & AREA OF BUILDING: --> TO REMAIN- NO CHANGE WORK AREA: ±2,350 SF	SCOPE OF WORK: 1. THE WORK COVERED BY THE DRAWINGS AND THE SPECIFICATIONS IS TO INCLUDE THE FURNISHING OF ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, TAXES, TRANSPORTATION, UTILITIES, AND INCIDENTALS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL SYSTEMS AS REQUIRED IN THE CONTRACT DOCUMENTS AND SPECIFIED HEREIN, UNLESS OTHERWISE NOTED. 2. NO ATTEMPT HAS BEEN MADE TO DIVIDE THE DRAWINGS INTO AREAS OF RESPONSIBILITY FOR THE VARIOUS TRADES. IT IS TO BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DIVIDE THE WORK AMONG HIS SUBCONTRACTORS, AND HE IS TO BE FULLY RESPONSIBLE FOR THE COORDINATION OF ANY TRADE USED ON THIS PROJECT. 3. DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. MATERIAL OR EQUIPMENT NEED BE SHOWN ON ONLY ONE OR THE OTHER. EACH TRADE, SUPPLIER, OR SUBCONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE THE ENTIRE SET OF DRAWINGS AND ALL SECTIONS OF THE SPECIFICATIONS TO DETERMINE WHAT MATERIALS, EQUIPMENT, ACCESSORIES, ETC. ARE NEEDED FOR A COMPLETE INSTALLATION. ALL INFORMATION FOR ALL TRADES CONTAINED WITH THE CONTRACT DOCUMENTS SHALL BE USED, TOGETHER AND IN CONCERT WITH ONE ANOTHER AS A WHOLE BODY OF INFORMATION FOR THE PROJECT. NO CONTRACTOR NOR SUBCONTRACTOR SHALL BE RELIEVED OF THE RESPONSIBILITY TO PROVIDE ALL ITEMS REQUIRED BY THE INFORMATION AND DESIGN INTENT INDICATED AND IMPLIED BY THE DOCUMENTS, REGARDLESS OF THE LOCATION OF THIS INFORMATION. 4. THE CONTRACTOR IS TO PROVIDE ALL REQUIRED EQUIPMENT FOR DEMOLITION, CONSTRUCTION, AND/OR CLEAN-UP/REMOVAL WORK. 5. ALL WORK IS TO BE COORDINATED SO THAT NEW WORK CAN BEGIN IMMEDIATELY AFTER THE DEMOLITION AND/OR REMOVAL WORK HAS BEEN COMPLETED. 6. SUBCONTRACTORS ARE TO REVIEW ALL DRAWINGS, SPECIFICATIONS, AND DETAILS FOR ADDITIONAL WORK AND ARE RESPONSIBLE TO COORDINATE THEIR WORK WITH OTHER TRADES. 7. ANY ADDITIONAL WORK/CHANGES FROM THE ORIGINAL SCOPE OF WORK NECESSARY TO MAKE THE WORK OF EACH SUBCONTRACTOR CONFORM TO THE OVERALL PLAN AND THE WORK OF OTHER TRADES SHALL BE DONE AT THE APPROPRIATE CONTRACTOR'S EXPENSE.	PROJECT CONTACTS: CLIENT: MONTCLAIR STATE UNIVERSITY 1 NORMAL AVENUE MONTCLAIR, NJ 07043 HENRY ORNOVITZ 201-704-4586 ARCHITECT: GARY MUSCIANO, RA, ARCHITECT 611 MAIN STREET 2ND FLOOR BOONTON, NJ 07005 PROJECT CONTACT: GARY MUSCIANO 973-538-3815	
EXISTING ZONING DATA: EXISTING BUILDING HEIGHT, AREA & SETBACK TO REMAIN AS IS. PROPOSED WORK IS INTERIOR RENOVATION, AND REQUIRED NO CHANGE TO EXISTING ZONING. EXISTING BUILDING IS EQUIPPED WITH A NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEM.			

WORK NOTES:

1. THE DRAWINGS INDICATE THE GENERAL LAYOUT & DO NOT NECESSARILY REPRESENT A COMPLETE FIELD-VERIFIED PLAN. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS WITHIN THE AREAS OF WORK. REPORT ANY DISCREPANCIES FOUND TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING.

2. PROVIDE CONTINUOUS SERVICE TO ALL ITEMS NEEDED FOR THE UNINTERRUPTED OPERATION OF THE BUILDING WHILE WORK IS BEING PERFORMED. EXISTING FIRE ALARM DEVICES TO REMAIN; CONTRACTOR SHALL TEMPORARILY SUPPORT/POWER DEVICES AS REQUIRED DURING CONSTRUCTION.

3. CONTRACTOR IS RESPONSIBLE TO VERIFY CONDITIONS PRIOR TO DEMOLITION. ANY CONCERN/DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE OWNER/ARCHITECT IN WRITING.

4. LEGALLY/PROPERLY DISPOSE OF REMOVED CONSTRUCTION MATERIALS; ADJACENT WALL, FLOOR, CEILING SURFACES DAMAGED OR EXPOSED DURING DEMOLITION ARE TO BE PATCHED/REPAIRED TO MEET BUILDING STANDARDS.

5. DEMOLITION SHALL BE CARRIED OUT WITH CARE SO THAT PORTIONS OF THE WORK THAT REMAINS SHALL BE UNDAMAGED. DEBRIS AND DEMOLISHED MATERIAL SHALL BE CLEARED FROM THE SITE ON A DAILY BASIS.

6. ALL EXISTING EQUIPMENT TO REMAIN SHALL BE INSPECTED FOR DAMAGE. ANY DAMAGED EQUIPMENT OR INSULATION SHALL BE REPAIRED OR REPLACED AS REQUIRED.

7. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SAFETY AND DUST BARRIERS AS REQUIRED BY HEALTH AND SAFETY REGULATIONS.

8. THE CONTRACTOR SHALL REMOVE, REPLACE AND/OR RE-ROUTE EXISTING PIPING, RACEWAYS, EQUIPMENT, ETC. NOT BEING ABANDONED, AS INDICATED AND SPECIFIED OR REQUIRED FOR INSTALLATION OF NEW WORK OR REMODELING.

9. CONTRACTORS SHALL REMOVE ANY AND ALL OBSOLETE, UNUSED OR UNNECESSARY ITEMS AS CALLED OUT ON THE DRAWINGS OR HEREIN SPECIFIED. ANY SUCH ITEMS INTENDED FOR REMOVAL SHALL BE VERIFIED AND APPROVED BY THE OWNER. ALL ITEMS REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER, BUT SHALL BE DISPOSED OF, IF SO DIRECTED BY THE OWNER. ITEMS TO BE DISPOSED OF SHALL BE REMOVED FROM THE PREMISES BY THE CONTRACTOR AND LEGALLY DISPOSED OF, AT THE CONTRACTOR' EXPENSES.

a. THE PLANS AND SPECIFICATIONS ARE TO BE CONSTRUED TOGETHER, AND THAT ANYTHING SHOWN ON THE DRAWINGS BUT NOT MENTIONED IN THE SPECIFICATIONS, OR ANYTHING MENTIONED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS, SHALL BE INCLUDED IN THE WORK AS THOUGH FULLY SHOWN AND MENTIONED IN BOTH THE PLANS AND SPECIFICATIONS.

b. THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY APPARENT ERROR OR OMISSION IN THE CONTRACT DOCUMENTS. IF ANY UNCERTAINTY, INCONSISTENCY, OMISSION OR CONFLICT IS DISCOVERED THE CONTRACT DOCUMENTS, THE ENGINEER WILL DECIDE AS TO THE TRUE INTENT.

c. COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER'S DESIGNATED REPRESENTATIVE.

d. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, UTILITIES, CLEARANCES AND OBSTACLES PRIOR TO BID OR COMMENCING WORK. INCLUDE IN BID ALL WORK NECESSARY TO COVER COSTS RESULTING FROM FIELD CONDITIONS.

e. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL ADVISE THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN THE CONTRACT DRAWINGS AND ACTUAL EQUIPMENT/FIELD DIMENSIONS.

f. ALL WORK SHALL CONFORM TO ALL STATE AND LOCAL CODES, RULES AND REGULATIONS AND ORDINANCES.

g. THE CONTRACTOR SHALL INCLUDE THE COST AND RESPONSIBILITY FOR OBTAINING ALL REQUIRED PERMITS, INSPECTIONS AND LICENSES.

h. THE CONTRACTOR SHALL SCHEDULE ALL SHUTDOWNS THAT AFFECT UTILITIES AND PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION WITH THE OWNER.

i. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT AND SHALL INCLUDE ALL MATERIALS, SERVICES AND LABOR NECESSARY TO FORM A COMPLETE AND OPERATING SYSTEM. ALL FIXTURES, DEVICES AND EQUIPMENT SHOWN, NOTED OR REQUIRED ON THE DRAWINGS, AND/OR CONTAINED HEREIN SHALL BE FURNISHED, INSTALLED, TESTED AND MADE READY FOR SATISFACTORY OPERATION.

j. MEP CONTRACTORS ARE TO COORDINATE WITH OTHER TRADES AND OWNER FOR EQUIPMENT LOCATIONS AND CLEARANCES REQUIRED FOR EQUIPMENT. CONTRACTOR TO COORDINATE AND MODIFY LAYOUT ACCORDINGLY.

k. THE CONTRACTOR SHALL REMOVE FROM THE PREMISES AND LAWFULLY DISPOSE OF ALL MATERIAL AND EQUIPMENT, WHICH ARE ABANDONED AS A RESULT OF THIS CONTRACT.

l. UNLESS OTHERWISE INDICATED, THE ARRANGEMENT, POSITION, CONNECTIONS, ETC. SHOWN ON THE DRAWINGS SHALL BE TAKEN AS PRACTICABLE. THE RIGHT IS RESERVED BY THE ENGINEER TO MAKE MINOR CHANGES IN LOCATIONS AND ARRANGEMENTS WHEN REQUIRED BY JOB DEVELOPMENT WITHOUT ADDITIONAL COMPENSATION TO THIS CONTRACTOR.

10. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND EQUIPMENT PROVIDED SHALL BE NEW, AND SHALL CONFORM TO THE GRADE, QUALITY AND STANDARDS SPECIFIED HEREIN. EQUIPMENT SHALL HAVE CAPACITIES AND RATINGS EQUAL TO MEET THE SPECIFIED AND/OR SCHEDULED REQUIREMENTS. CAPACITIES AND RATINGS BELOW THOSE SPECIFIED OR SCHEDULED WILL BE REJECTED.

a. WHERE EQUIPMENT IS SPECIFIED WITH A MANUFACTURER'S NAME AND MODEL NUMBER-IT IS TO ESTABLISH THE UNITS FEATURES AND STANDARD OF QUALITY.

b. ACCESSORIES SCHEDULED SHALL BE PROVIDED BY THE UNIT MANUFACTURER OR, IF NOT A FACTORY STANDARD, BY THE CONTRACTOR.

c. COMPARABLE PRODUCTS OF OTHER MANUFACTURERS MAY BE SUBMITTED FOR REVIEW PROVIDED THE SUBMISSION INCLUDES THE FEATURES AND ACCESSORIES SCHEDULED, AND THE PRODUCT MEETS OR EXCEEDS THE SPECIFIED CHARACTERISTICS AND PERFORMANCE AT THE CONDITIONS SPECIFIED (EXCEPT WHERE NOTED 'SUBSTITUTIONS NOT PERMITTED').

d. PRODUCTS SUBMITTED AND ACCEPTED FOR USE THAT NECESSITATE CHANGES TO THE WORK OF ANY OR ALL OTHER TRADES WORK SHALL BE COORDINATED AND PAID FOR BY THE CONTRACTOR MAKING THE SUBMISSION WHO REQUESTED THE CHANGE.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING AND PROTECTION OF EQUIPMENT AND MATERIALS.

12. CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMITTING BIDS AND SHALL EXAMINE ALL CONDITIONS AFFECTING INSTALLATION OF THE PROPOSED WORK AND SHALL INCLUDE IN HIS BID ALL LABOR AND MATERIAL REQUIRED TO COORDINATE THE INSTALLATION OF SYSTEMS WITH EXISTING CONDITIONS.

13. DIMENSIONS LISTED HEREIN ARE FROM FACE OF FINISHED WALL; WALL THICKNESSES SHALL BE AS INDICATED. PROPOSED FINISHES SHALL BE LEVEL, SMOOTH AND ALIGNED AS NOTED.

14. INSTALL, TEST AND OPERATE SYSTEMS IN STRICT ACCORDANCE WITH ALL APPLICABLE LAWS, CODES, REGULATIONS AND ORDINANCES OF THE MUNICIPAL, COUNTY, STATE, FEDERAL, PUBLIC UTILITIES AND ALL OTHER AUTHORITIES HAVING JURISDICTION.

15. INCLUDE IN BID ALL PERMIT FEES, ALL LOCAL, STATE AND FEDERAL TAXES AND UTILITY HOOKUP CHARGES. THE BASE BID SHALL BE IN ACCORDANCE WITH DRAWINGS AND SPECS.

16. ALL NEW CONSTRUCTION MATERIALS SHALL BE NON-COMBUSTIBLE; ANY WOOD MATERIALS SHALL BE FIRE-RETARDANT. (FINISHES SHALL BE AS REQ'D BY CODE; SEE FINISH NOTES.) CONTRACTOR TO PROVIDE & INSTALL FIRE CAULKING/STOPPING REQUIRED AT EXISTG RATED ASSEMBLIES.

HVAC NOTES:

1. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED WITH APPROVED METHODS USING MATERIALS THAT HAVE BEEN TESTED AND CLASSIFIED TO PRODUCE AN APPROVED ASSEMBLY.

17. PROVIDE ALL SUBMITTALS UNDER PROVISIONS OF CONTRACT/AGREEMENT. IN GENERAL, FURNISH THREE (3) SETS OF SUBMITTALS TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO ORDERING OR INSTALLING EQUIPMENT.

18. MINOR PATCHWORK/REPAIRS ARE NOT SPECIFICALLY SHOWN ON DRAWINGS, HOWEVER, THEY SHALL BE INCLUDED IN THE SCOPE OF WORK. CONTRACTOR TO PATCH & REPAIR SURFACES DAMAGED IN THE DEMOLITION PHASE; ARCHITECT SHALL INSPECT REPAIRS FOR COMPLETION & WORKMANSHIP.

19. ALL HOLES MADE BY ANY CONTRACTOR IN ANY WALL, CEILING, OR FLOOR SHALL BE PATCHED BY CONTRACTOR, RESTORING THE WALL, CEILING, FLOOR OR MEMBER TO ITS ORIGINAL CONDITION, FIRE RESISTANCE, AND INTEGRITY.

20. CONTRACTOR TO TEST, ADJUST, BALANCE PRIOR TO STARTUP. CHECK THAT ALL MOTORS, ACTUATORS, CONTROLS & WIRING ARE PROPERLY INSTALLED. LEAK TEST ALL PIPING SYSTEMS PRIOR TO STARTUP.

21. PERFORM STARTUP OF EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN STARTUP INSTRUCTIONS OR IN CONJUNCTION WITH FACTORY AUTHORIZED TECHNICIANS.

22. ALL CONTRACTORS SHALL PROVIDE A ONE (1) YEAR WARRANTY, FROM THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER, FOR ALL SYSTEMS INCLUDING EQUIPMENT, MATERIALS, WORKMANSHIP AND LABOR.

23. ALL PRIMARY PRODUCTS SPECIFIED IN THESE SECTIONS WILL BE SUPPLIED BY A MANUFACTURER WITH A MINIMUM OF TEN (10) YEARS EXPERIENCE.

24. INSTALLERS MUST BE QUALIFIED BY HAVING EXPERIENCE, STAFF, AND TRAINING TO INSTALL THE SPECIFIED PRODUCTS, AND HOLDING A LICENSE TO PERFORM ALL WORK AS REQUIRED BY THE LOCAL A.H.J.

25. ALL NEW ITEMS TO MATCH EXISTG IN TYPE & COLOR & ALIGN WITH BUILDING STANDARD. ALL NEW CONTROLS SHALL BE MOUNTED PER ACCESSIBILITY REQTS. PRODUCT SPECIFICATIONS HAVE BEEN PROVIDED FOR SUBSTITUTION/PRICING PURPOSES; PROVIDE ITEMS AS DESCRIBED OR "EQUAL."

26. PROVIDE/INSTALL EQUIPMENT/FIXTURES DESCRIBED ON PLANS (OR EQUAL); PROVIDE ITEMS IN CONFORMANCE WITH APPLICABLE CODES. ALL EQUIPMENT SHALL BE NEW & BEAR UL LABELS.

27. CHANGES MUST BE SPECIFICALLY APPROVED BY THE ARCHITECT AND BUILDING OWNER. THIS DOES NOT INCLUDE MINOR REVISIONS FOR THE PURPOSE OF COORDINATION. ANY CHANGES MADE OTHER THAN AS STATED ABOVE SHALL BE AT THE CONTRACTOR'S OWN EXPENSE AND RESPONSIBILITY. EQUIVALENT PRODUCTS OR SYSTEMS MAY BE SUBSTITUTED ONLY WITH PRIOR APPROVAL OF THE ARCHITECT/OWNER/A.H.J.

5. ADJUST AUTOMATIC TEMPERATURE CONTROLS TO ACHIEVE SATISFACTORY TEMPERATURE AND/OR HUMIDITY CONTROL AS APPLICABLE.

6. ALL EQUIPMENT SHALL BE MOUNTED VIBRATION FREE.

7. PARTITIONS AND DUCTWORK: THE CONTRACTOR SHALL REPAIR ALL OPENINGS IN WALLS, CEILINGS, FLOORS, ETC., WHICH ARE CREATED BY DEMOLITION AND/OR NEW PROJECT WORK. THE REPAIRS SHALL BE WITH MATERIALS AND FINISHES TO MATCH THE EXISTING UNLESS OTHERWISE NOTED. ALL OPENINGS IN DUCTWORK AND PIPING, AS A RESULT OF DEMOLITION WORK, SHALL BE CAPPED AND SEALED AIR/WATER-TIGHT AND INSULATED TO MATCH EXISTING.

ELECTRICAL NOTES:

1. INSTALL ALL WIRING IN COMPLETE ACCORDANCE WITH THE 2021 NEC; USE ONLY MC CABLE OR EMT. USE FLEXIBLE CONDUIT FOR EQUIPMENT SUBJECT TO MOVEMENT/VIBRATION; NO EXPOSED WIRING PERMITTED.

2. PROVIDE GROUNDING IN COMPLETE ACCORDANCE WITH THE NEC; PROVIDE GROUNDING CONDUCTORS WITH ALL WIRING (PROVIDE SEPARATE NEUTRAL CONDUCTOR WITH EACH BRANCH AS REQUIRED). MAINTAIN A CONTINUOUS GROUNDING PATH.

3. PROPOSED DETECTION/NOTIFICATION DEVICES ARE TO MATCH EXISTING TYPES, AND BE CONNECTED TO EXISTING BUILDING ALARM SYSTEM. CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS WITH MSU & FIRE OFFICIAL (A.H.J.)

4. ALL CONTROL WIRING AND POWER, FOR EQUIPMENT SUPPLIED BY PLUMBING OR MECHANICAL CONTRACTOR WILL BE BY THE ELECTRICAL CONTRACTOR.

5. ALL EQUIPMENT SHALL BE NEW & BEAR UL LABELS.

6. WIRING IN NO CASE SHALL BE ALUMINUM OR LESS THAN #12 AWG. UNLESS OTHERWISE NOTED, WIRE LARGER THAN #10 AWG SHALL BE STRANDED. POWER FEEDERS #8 AND LARGER SHALL BE FULLY COLOR-CODED WITH TAPE IN ALL JUNCTION BOXES AND PANELS.

7. GALVANIZED THIN WALL STEEL TUBING (EMT) MAY BE INSTALLED IN CONCEALED AREAS EXCEPT IN CONCRETE AND/OR UNDERGROUND. USE RMC IN CONCRETE AND/OR UNDERGROUND.

8. EMT COUPLINGS SHALL BE OF COMPRESSION-TYPE. INDENTER AND SET-SCREW FITTING SHALL NOT BE USED.

9. LIQUID-TITE FLEXIBLE TYPE CONDUIT SHALL BE USED FOR THE FINAL 18" CONNECTION TO MOTORS AND VIBRATING DEVICES AND EXISTING PANELS. USE FLEXIBLE CONDUIT FOR EQUIPMENT SUBJECT TO MOVEMENT/VIBRATION; UTILIZE RIGID CONDUIT FOR EXPOSED WIRING. USE LIQUIDTIGHT CONDUIT ("SEALITE" OR EQUAL) IN DAMP/WET LOCATIONS & IN MECHANICAL ROOMS.

10. ALL PANELS MUST USE BOLT-ON BREAKERS; STAB-LOK OR PUSH-ON BREAKERS ARE PROHIBITED.

11. ALL NEW SWITCHES/RECEPTACLES TO MATCH & ALIGN WITH BUILDING STANDARD. ALL NEW CONTROLS SHALL BE MOUNTED PER ACCESSIBILITY DETAILS.

12. CONTRACTOR TO PROVIDE CIRCUIT DIRECTORY IN NEW & EXISTING PANELBOARDS FOR ALL CIRCUITS & MODIFICATIONS IN ACCORDANCE WITH NEC 408.4.



GARY MUSCIANO, RA, PP

NY 8019
NY 221687
CA 29549
CO 401804
CT 7548
DC 400002
DE 65-000190
FL 001044
GA 00102598
IL 001020501
IN 00101330067
IA 001013417
KS 5073
LA 6590
MD 11039
MA 10131
NJ COA 21AC0008300
MI 501045424
MN 484111
MO A 2009005517
NV 5015
NC 9671
NC 9672
DE 65-0002925
PA 001030281
PR 2030
SC 8651
TN 105438
TX 15417
UT 0010051-0301
VA 041008254
WA 11037
NJ COA 33L00435100

KEY PLAN

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NO.:	DATE:	REVISIONS ▾
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1	11.13.25	ISSUED FOR CONSTRUCTION
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CLIENT / PROJECT:

MONTCLAIR
STATE UNIVERSITY

MECHANICAL
RENOVATIONS
FREEMAN HALL
MONTCLAIR, NJ 07043

DRAWING TITLE:

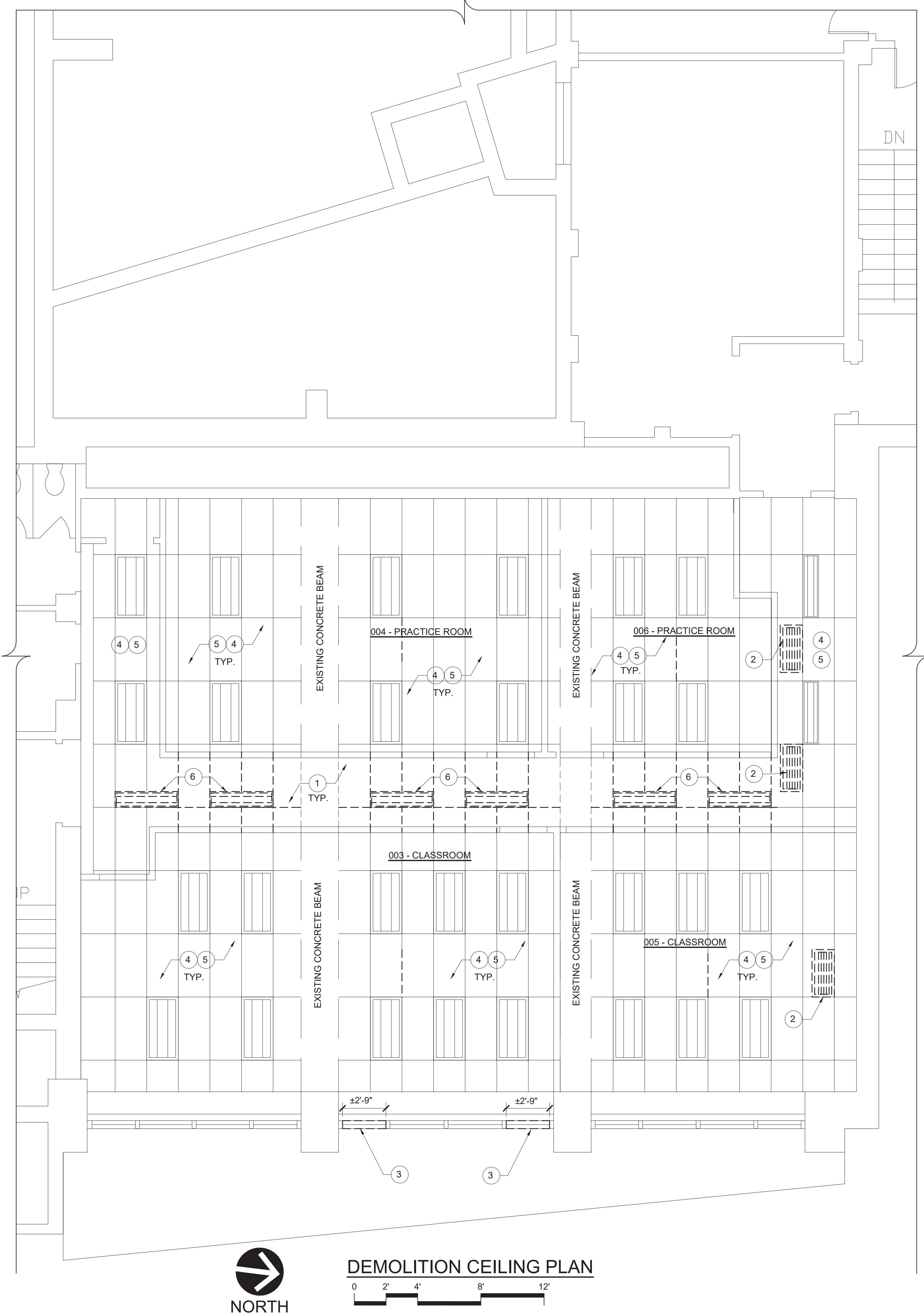
SPECIFICATIONS

PROJECT MANAGER: **GM** SCALE: **AS NOTED**
DRAWN BY: **DRI** DATE: **09/08/25**
CHECKED BY: **GM** PROJECT NO.: **8130**
DRAWING NO.:
THIS DRAWING IS CONTROLLED AND MAINTAINED BY THE ARCHITECT. ANY CHANGES MUST BE MADE IN WRITING AND APPROVED BY THE ARCHITECT. ANY UNAUTHORIZED CHANGES ARE PROHIBITED.
4/2023

SP-1



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CO 401804 NV 5015
CT 754 OH 9510925
DC 402482 PA 200900403261
DE 0000000000 FL AR 0014044
DE 0000000000 GA RA 012998
DE 0000000000 IL 001 020501
DE 0000000000 IA 11300067
DE 0000000000 KS 5073
DE 0000000000 LA 5690
DE 0000000000 MD 11039
DE 0000000000 MA 10131
DE 0000000000 NJ COA 21AC00083000

KEY PLAN

MSU PROJECT NO.:
24CO26-1

REVISIONS ▾

NO.:	DATE:

2 01.14.26 ISSUED FOR BID
1 11.13.25 ISSUED FOR CONSTRUCTION

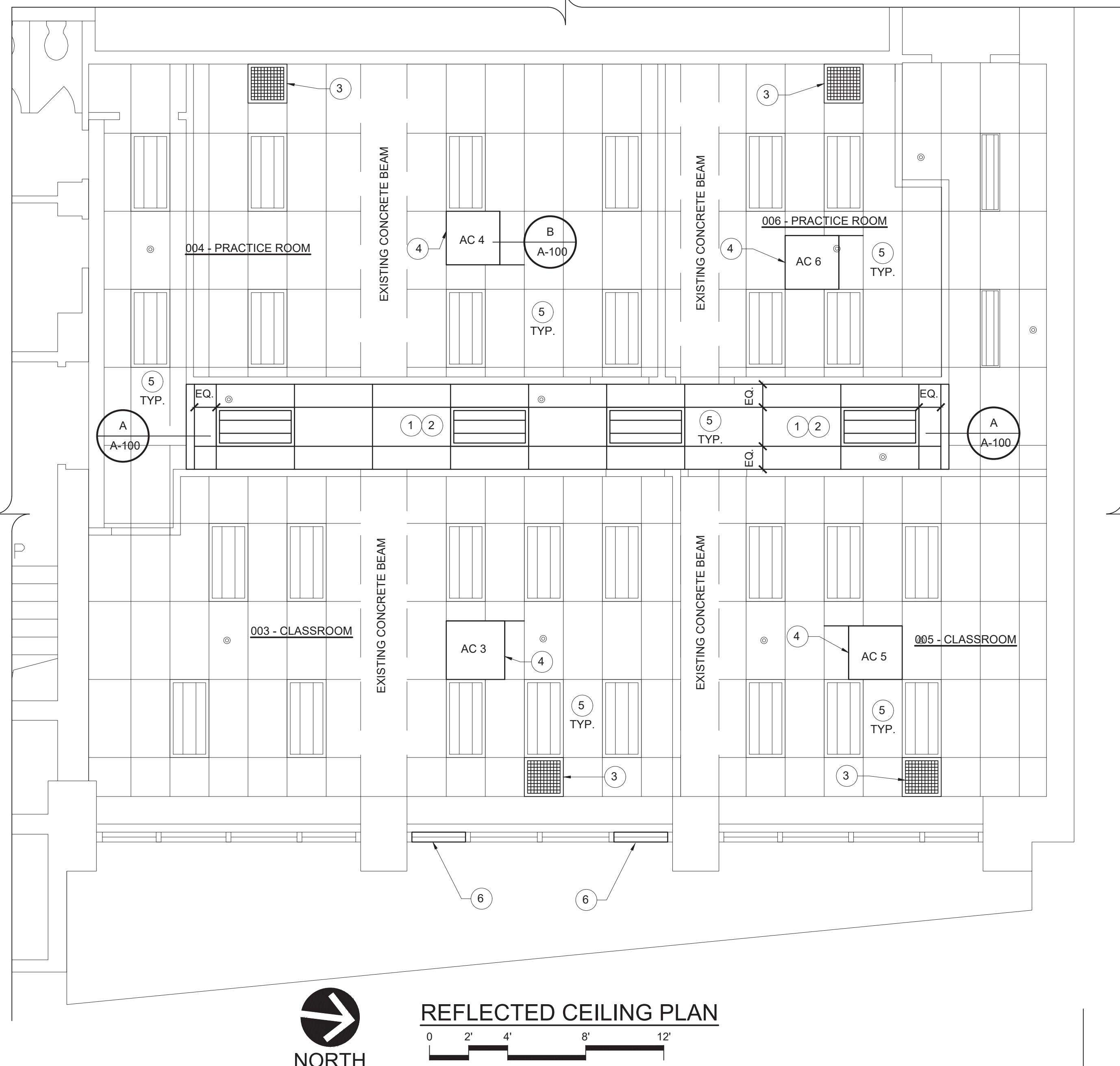
NO. DATE SUBMISSIONS ▾

CLIENT / PROJECT:
MONTCLAIR
STATE UNIVERSITY

MECHANICAL
RENOVATIONS
FREEMAN HALL
MONTCLAIR, NJ 07043

DRAWING TITLE:
**REFLECTED CEILING
PLAN, TYPICAL
CEILING CASSETTE
MOUNTING, CEILING
SECTION & NOTES**

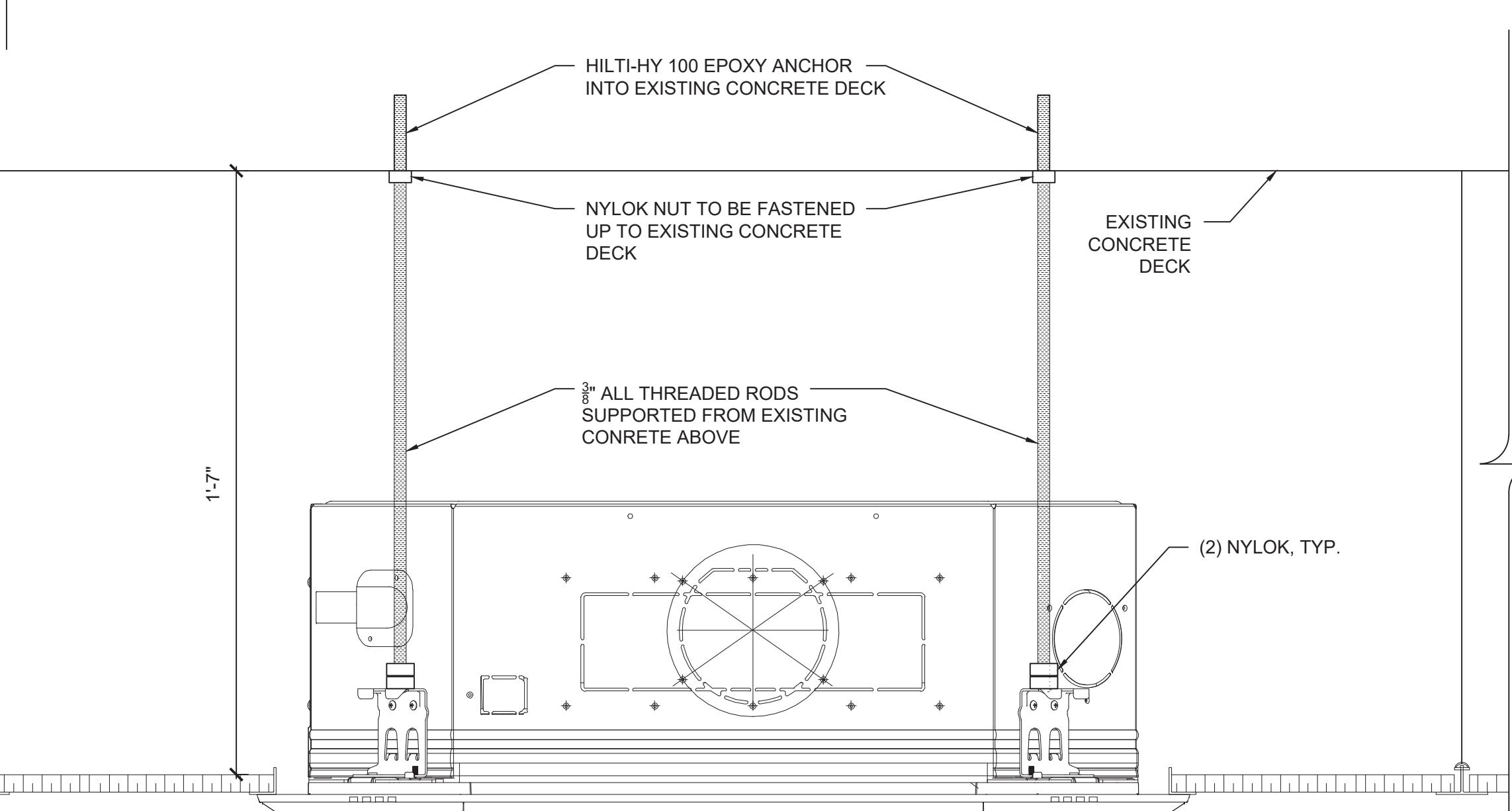
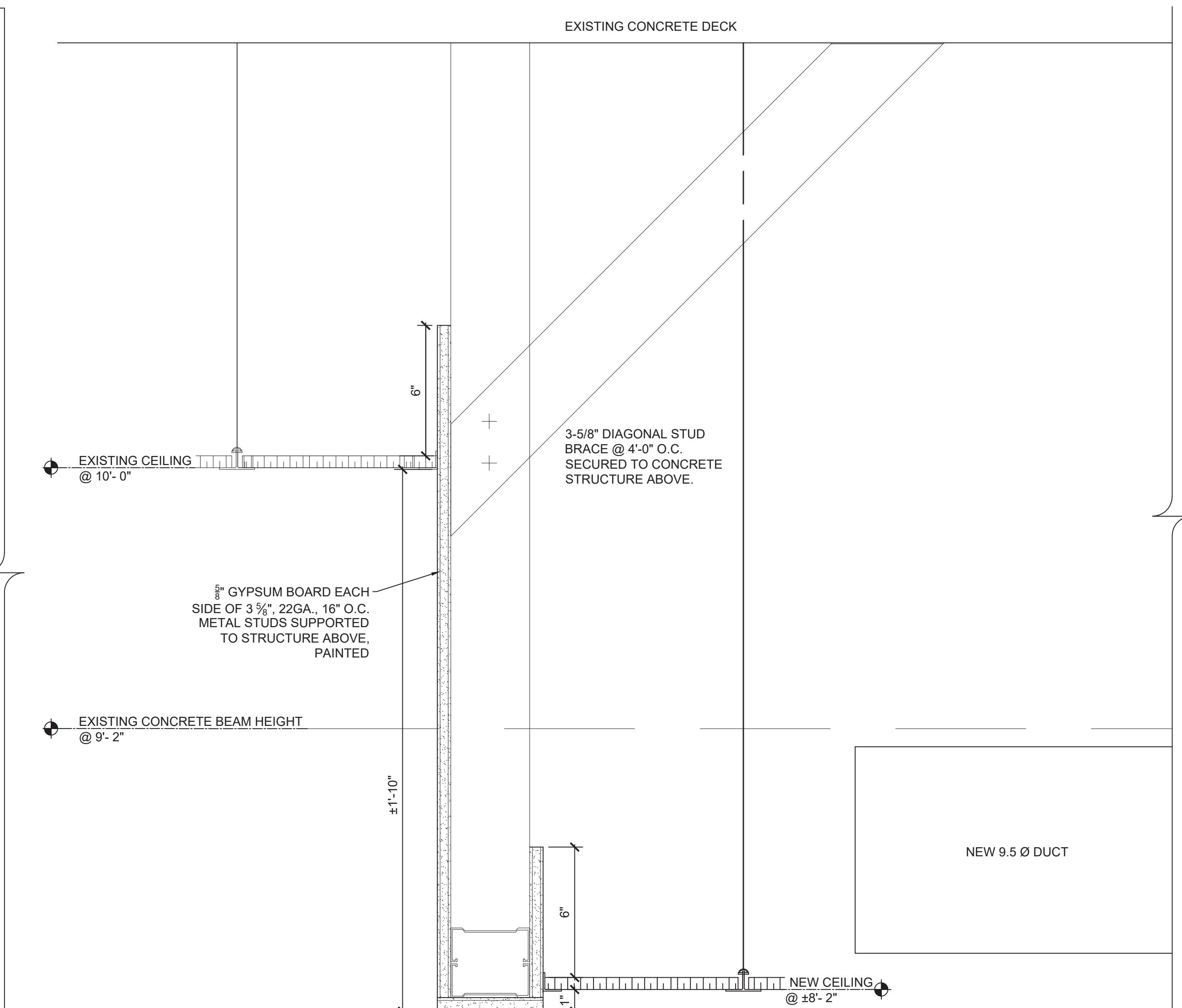
PROJECT MANAGER: GM AS NOTED
DRAWN BY: DRI DATE: 09/08/25
CHECKED BY: GM PROJECT NO.: 8130
DRAWING NO.: A-100
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SELECTED CEILING PLAN KEYED NOTES:

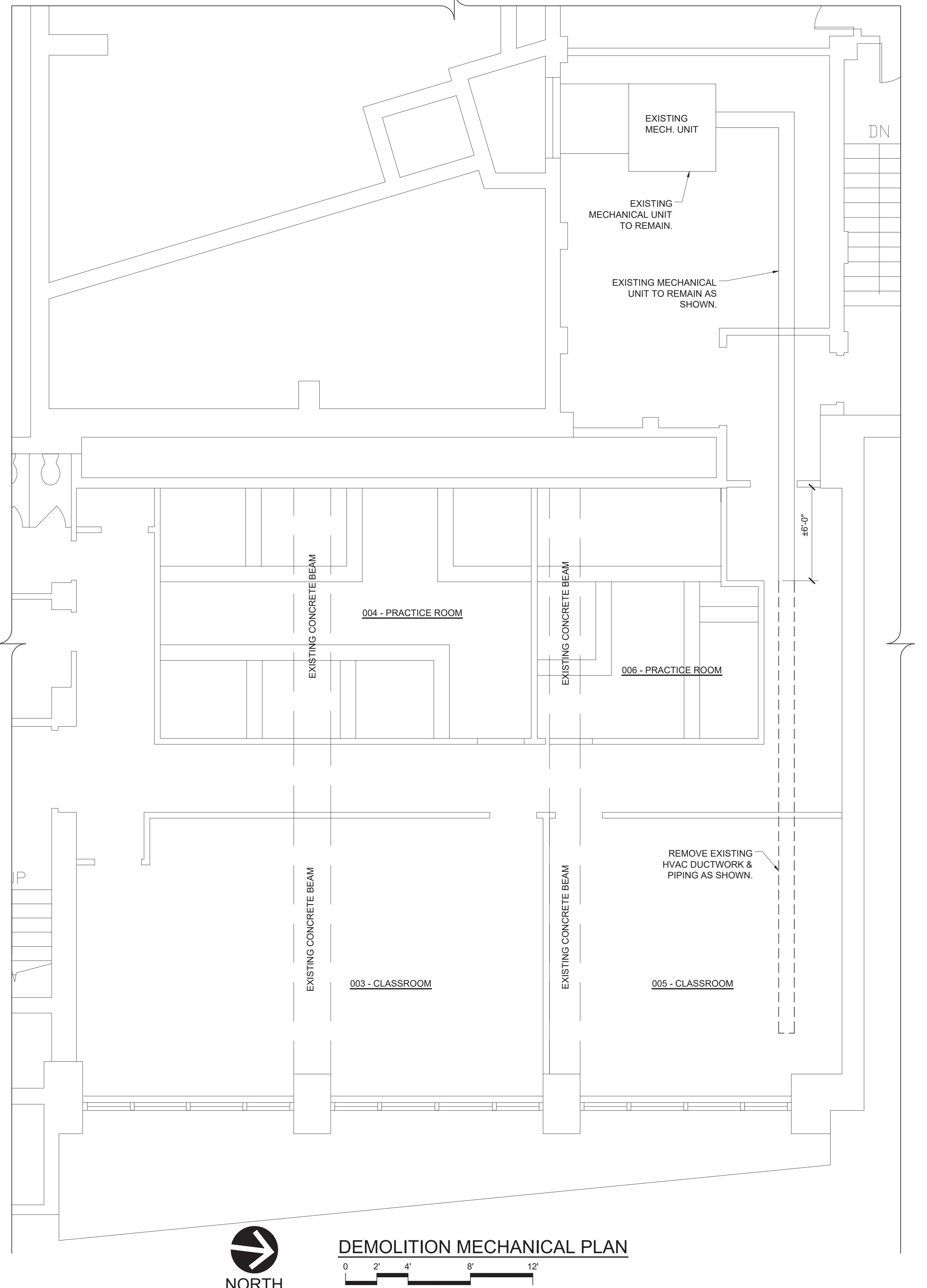
- 1 PROVIDE 2X4 SUSPENDED CEILING GRID SYSTEM & TILES AS SHOWN. NEW LAYOUT TO BE @ ±8'-2" AFF. SUPPORT GRID SYSTEM TO EXISTING CONCRETE STRUCTURE ABOVE.
- 2 PROVIDE CEILING LIGHT FIXTURES AS SHOWN TO MATCH EXISTING 2X4 FIXTURES. CONNECT TO EXISTING CIRCUITS.
- 3 PROVIDE 2X2 EGG CRATE RETURN GRILLE AS SHOWN.
- 4 PROVIDE CEILING-CASSETTE UNITS AS SHOWN. MODIFY EXISTING CEILING GRID SYSTEM TO ALLOW UNITS TO FIT PROPERLY. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. SEE CASSETTE MOUNTING DETAIL.
- 5 REVISE SPRINKLER PIPES & HEADS IN THE NEW SUSPENDED CEILING TILES AS PER CODE REQUIREMENTS, TYP.
- 6 THROUGH OUT THE ENTIRE WORK AREA, GC TO PROVIDE SIGNED AND SEALED SPRINKLERS' LAYOUT & CALCULATION BY PE FOR ALL WORK AREAS, AS PER CODE REQUIREMENTS. SPRINKLER LAYOUT TO CONFORM WITH NFPA13, PROVIDE A COMPLETE SYSTEM.
- 7 PROVIDE LOUVER. SEE TYPICAL LOUVER DETAIL. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
- 8 PROVIDE NEW GLASS PANEL TO MATCH EXISTING, VIF.

NOTES:
EXISTING CEILING HEIGHT (CLASSROOMS, PRACTICE ROOMS, CORRIDOR): 10'-0" AFF
EXISTING CONCRETE BEAM HEIGHT: 9'-2" AFF
NEW PARTIAL CORRIDOR CEILING HEIGHT: 8'-2" AFF





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DE 00000000000 PA 403261
FL AR 0014044 RI 2036
GA RA 012998 SC 8651
IL 001 020501 TN 105438
IN 11300067 TX 15417
IA 088441 VI 00000001
KS 5073 VT 2539
LA 5690 VA 0401008254
MD 11039 WA 11037
MA 10131 NJ. COA 21AC00083000
NJ PLANNER 33LI00435100

KEY PLAN

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NO. DATE: SUBMISSIONS ▲

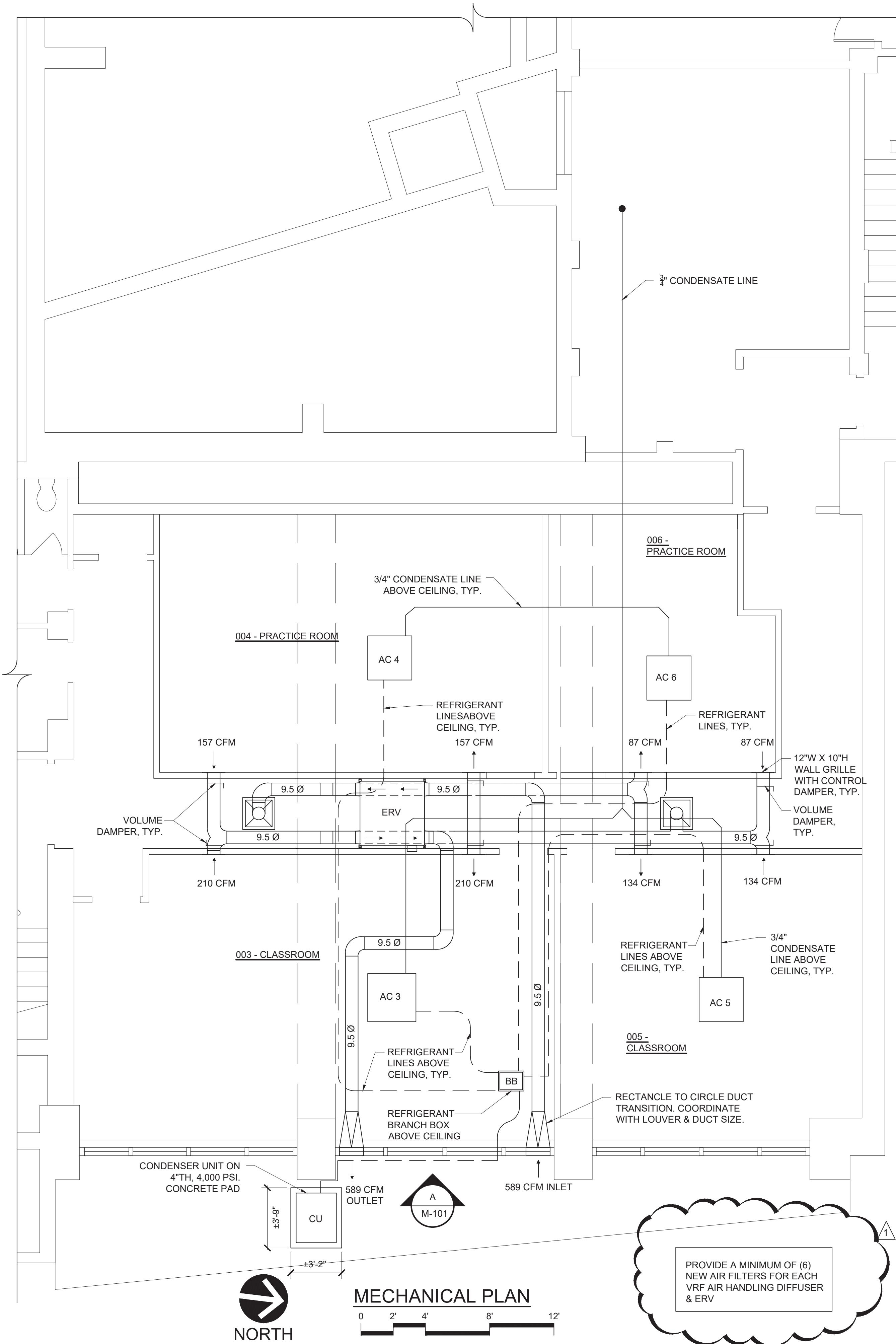
CLIENT / PROJECT:

MONTCLAIR
STATE UNIVERSITY

MECHANICAL
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MONTCLAIR, NJ 07043

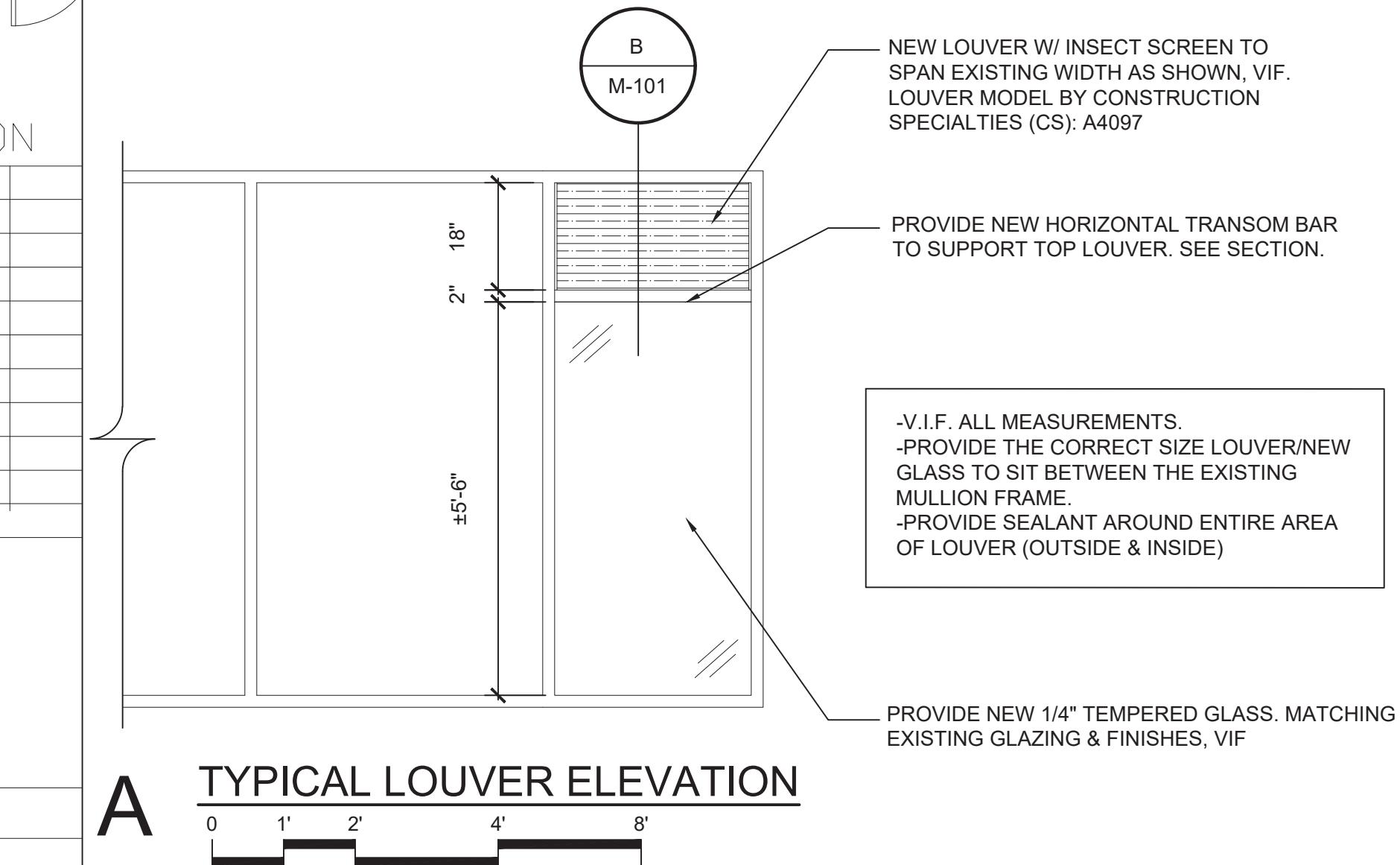
DRAWING TITLE:
**DEMOLITION
MECHANICAL PLAN**

PROJECT MANAGER: GM AS NOTED
DRAWN BY: DRI DATE: 09/08/25
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THIS TITLE BLOCK IS FOR PRINTING OR PLOTTING FULL SIZE AT 1' X 1' ON 22" X 34" HALF SIZE AT 1/2' X 1' ON 11" X 17" PAPER.
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A TYPICAL LOUVER ELEVATION



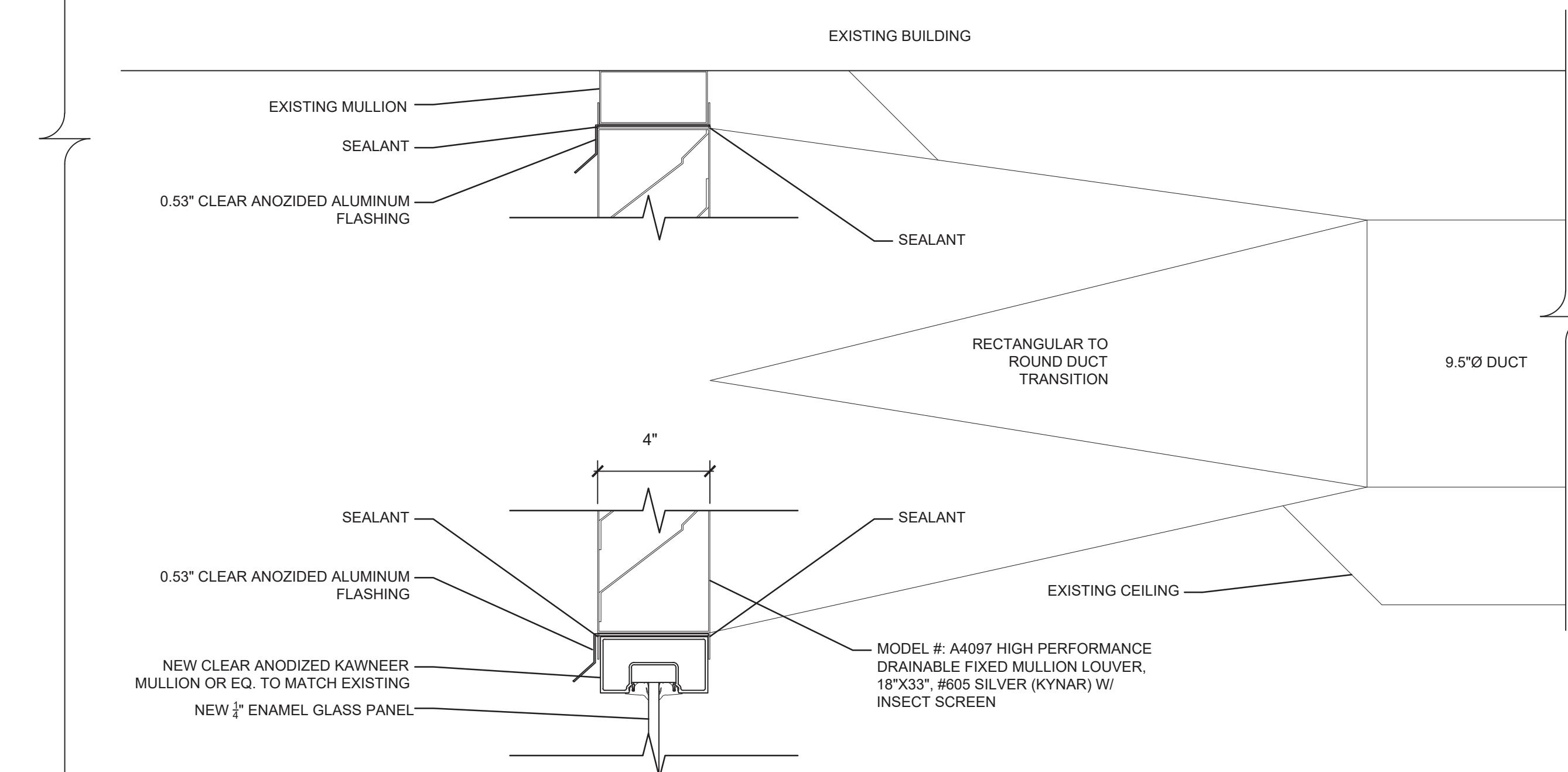
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NJ 8078	MI 1301045424
NY 021687	MN 48411
CA 29549	MO A 2009005517
CO 401804	NV 5015
CT 7547	NC 9671
DC ARC 6052	OH 9510925
DE S5-0008180	PA RA 403281
FL AR 0014044	RI 2030
GA RA 012998	SC 8651
IL 001.020501	TN 105438
IN AR 11300067	TX 15417
IA 06841	UT 8470051-0301
KS 5073	VT 2529
LA 5690	VA 0401008254
MD 11039	WA 11037
MA 10131	N.J. COA 21AC00083000
NJ PLANNER 33LI00435100	

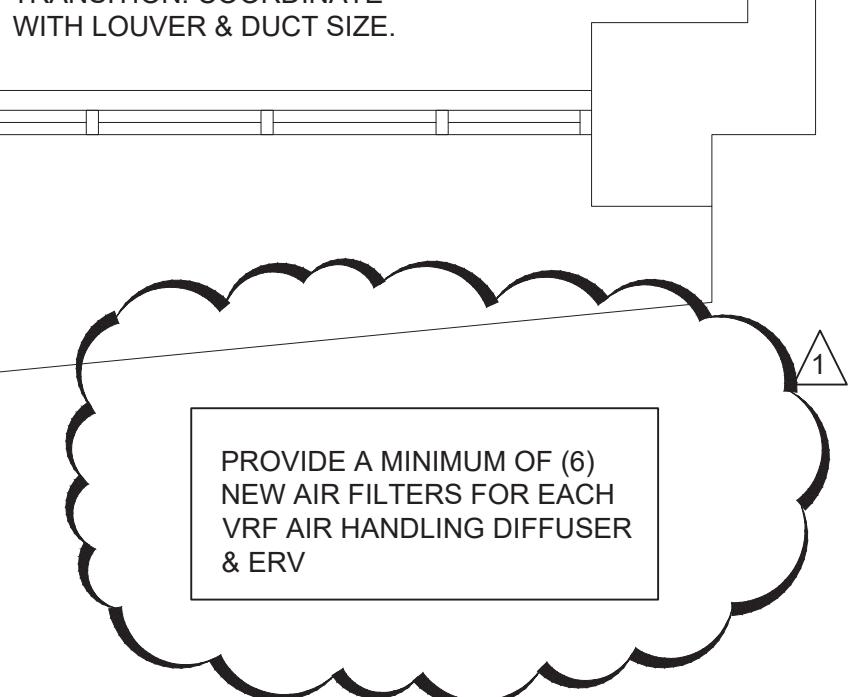
KEY PLAN

MSU PROJECT NO.:

24CO26-1



B TYPICAL LOUVER SECTION



NOTES:

- WALL RETURN GRILLES TO BE TITUS, STEEL, MODEL 300/350
- WALL SUPPLY GRILLES TO BE TITUS AEROBLADE, STEEL, MODEL: 271/272
- DUCTS TO BE SET BELOW CONCRETE BEAM WITHIN CORRIDOR, TYP.
- BRANCH BOX TO BE SUPPORTED ON UNISTRUT. PROVIDE $\frac{1}{2}$ " ALL THREAD UNISTRUT RODS TO BE MOUNTED TO EXISTING CONCRETE DECK.
- INSULATE INLET AIR DUCTWORK UP TO ERV.
- CONDENSER TO BE BOLTED ON NEW CONCRETE PAD.
- 6"X6" 10/10 WIRE MESH WITHIN CONCRETE PAD

HEAT PUMPS (BASED ON MITSUBISHI)				
UNIT	MODEL	COOLING BTU	HEATING BTU	VOLTAGE/AMPS MOCP
AC3	PLFY-EP24NEMU1 - E.TH	24,000	26,000	208V/1Ø, 1A
AC4	PLFY-EP18NEMU-E1R1	18,000	19,000	208V/1Ø, 1A
AC5	PLA-A18EA8	18,000	19,000	208V/1Ø, 1A
AC6	PLFY-EP12NEMU-ER1	12,000	14,000	208V/1Ø, 1A
NOTES: PROVIDE WITH GRILLE, WIRED CONTROLLER M-NET ADAPTER				
CU	PURY-EP72TNU-A1	72,000	80,000	208V/3Ø, 33A
NOTES: PROVIDE WITH REFRIGERANT BRANCH BOX (MIN 4 UNITS) AND WIRED CONTROLLER				
ENERGY RECOVERY UNIT (BASED ON MITSUBISHI)				
UNIT	MODEL	CFM	VOLTAGE/AMPS MOCP	
ERV	LGH-F600RVX2-E	589	.25	208V/1Ø, 1A
NOTES: PROVIDE WITH FILTERS, CONTROLLER AND INTEGRATION TO MITSUBISHI AC/CONTROLLER				
REFRIGERANT BRANCH BOX (BASED ON MITSUBISHI)				
UNIT	MODEL			
BB	BBE-1			

MECHANICAL RENOVATIONS FREEMAN HALL MONTCLAIR, N.J. 07043

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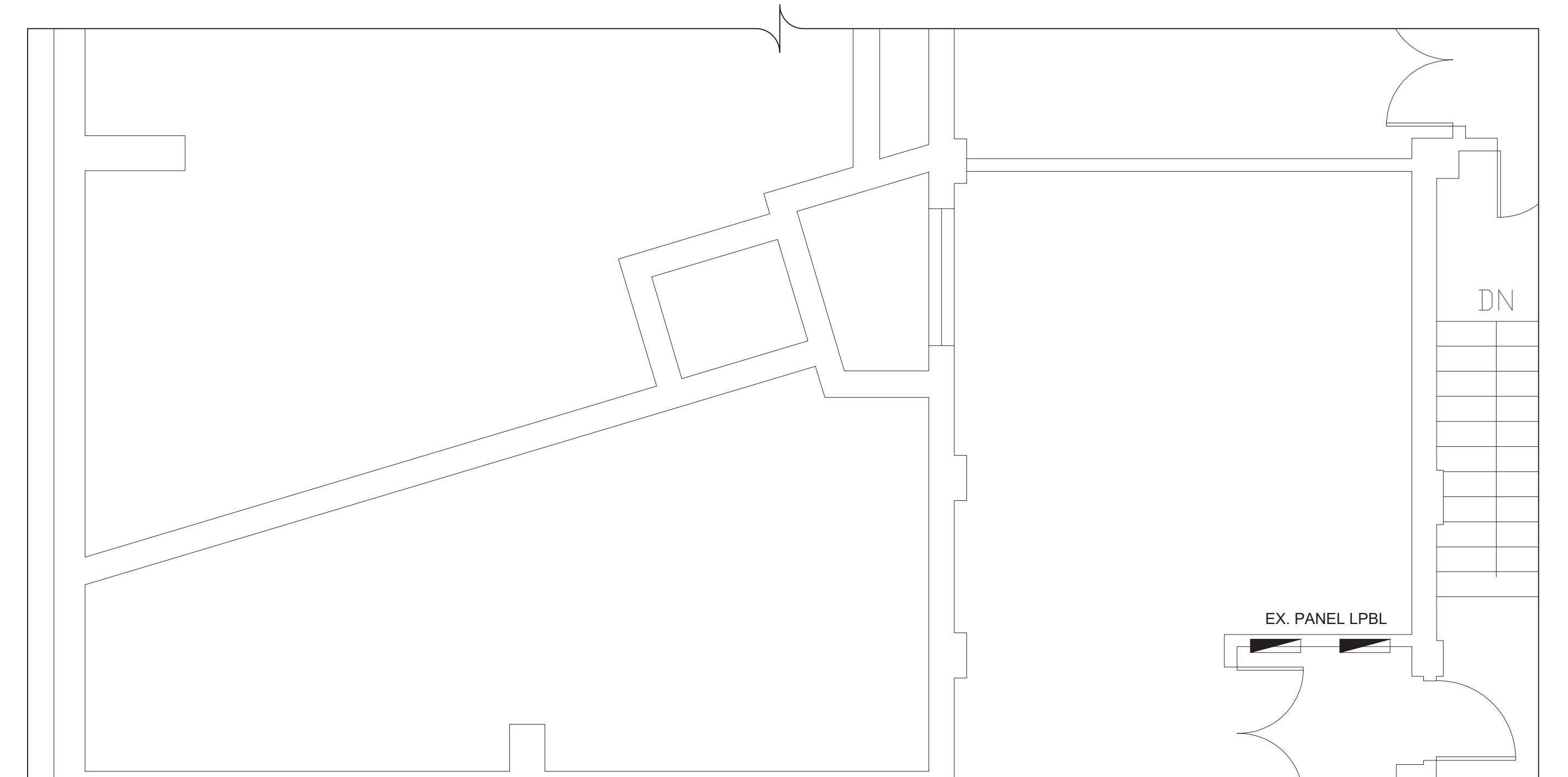
MECHANICAL PLAN, TYPICAL LOUVER ELEVATION & SECTION

PROJECT MANAGER:	SCALE:
GM	AS NOTED
DRAWN BY:	DATE:
DRI	09/08/25
CHECKED BY:	PROJECT NO.:
GM	8130
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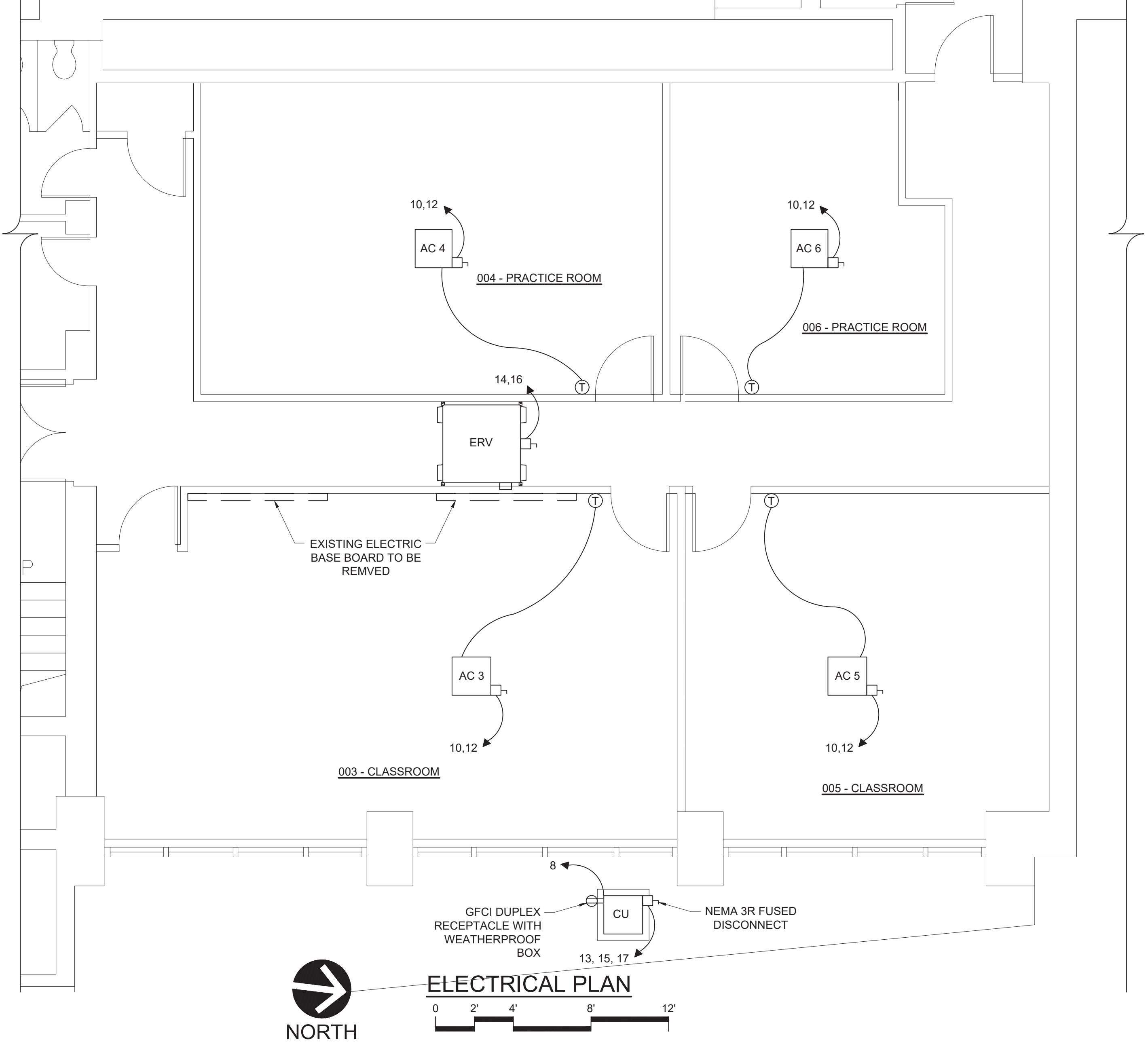


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PANELBOARD: EXISTING LPBL

CKT FEED	WIRE	CB/P	A	B	C	A	B	C	CB/P	WIRE	FEED	CKT
1 -	10	30/2	0	-	-	0	-	-	30/2	10	-	2
3 ELECTRIC HEATER (DISCONNECT)	10	30/2	-	0	-	0	-	-	30/2	10	ELECTRIC HEATER (DISCONNECT)	4
5 -	-	-	-	0	-	0	-	-	20/1	12	SPARE	6
7 -	10	30/2	0	-	-	0	-	-	30/2	10	CONDENSER DUPLEX RECEPT.	8
9 ELECTRIC HEATER (DISCONNECT)	10	30/2	-	0	-	0	-	-	15/2	10	-	10
11 -	-	-	-	0	-	0	-	-	15/2	12	AC3,4,5,6 (NEW)	12
13 -	8	50/3	33	-	-	1	-	-	15/2	12	ERV (NEW)	14
15 CU (NEW)	8	50/3	-	33	-	-	1	-	15/2	12	-	16
17 -	8	50/3	-	-	33	-	-	0	-	12	-	18
SUBTOTAL AMPS												ALL CIRCUIT BREAKERS ARE SERIES RATED
CONNECTED LOAD TOTALS												NO DIVERSITY APPLIED TO LOADS



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CLIENT / PROJECT:
MONTCLAIR
STATE UNIVERSITY

MECHANICAL
RENOVATIONS
FREEMAN HALL
MONTCLAIR, NJ 07043

DRAWING TITLE:
**ELECTRICAL PLAN &
PANEL SCHEDULE**

PROJECT MANAGER: GM SCALE: AS NOTED
DRAWN BY: DRI DATE: 09/08/25
CHECKED BY: GM PROJECT NO.: 8130
DRAWING NO. E-100
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NORTH

ELECTRICAL PLAN

0 2' 4' 8' 12'

E-100