

**MONTCLAIR**  
**STATE UNIVERSITY**



80708	MI 1301045424
WY 021687	MN 48411
CA 29549	MO A 2009005517
CO 401804	NV 5015
CT 7752	NC 9671
DC ARC 6052	OH 9510925
DE S5-0008180	PA RA 403281
FL AR 0014044	RI 2030
GA RA 012998	SC 8651
HI 001.020501	TN 105438
IN AR 11300067	TX 15417
IA 00841	UT 8470051-0301
KS 5073	VT 2529
LA 5690	VA 0401008254
MD 11039	WA 11037
MA 10131	NJ COA 21AC00083000

MSU PROJECT NO.:  
24CO26-1

CLIENT / PROJECT:

**MONTCLAIR**  
STATE UNIVERSITY

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

PROJECT DESCRIPTION:		LIST OF DRAWINGS	
<div>RENOVATION WORK :</div> <div>THE BUILDING'S RENOVATION INCLUDES, BUT NOT LIMITED TO THE FOLLOWING:</div> <div>1- DEMOLITION OF EXISTING PARTIAL CORRIDOR CEILING GRID SYSTEM/ LIGHT FIXTURES</div> <div>2- DEMOLITION OF EXISTING HVAC DUCTWORK</div> <div>2- NEW ERV MECHANICAL UNIT</div> <div>3- NEW PARTIAL CORRIDOR CEILING GRID SYSTEM/ LIGHT FIXTURES</div>		<div>T-01 ... TITLE SHEET, PROJECT LOCATION, INFO, DRAWINGS LIST &amp; NOTES</div> <div>SP-1... SPECIFICATIONS</div> <div>D-100 ... DEMOLITION CEILING PLAN &amp; NOTES</div> <div>A-100 ... REFLECTED CEILING PLAN, TYPICAL CEILING CASSETTE MOUNTING, CEILING SECTION &amp; NOTES</div> <div>M-100 ... DEMOLITION MECHANICAL PLAN</div> <div>M-101 ... MECHANICAL PLAN, TYPICAL LOUVER ELEVATION &amp; SECTION</div> <div>E-100 ... ELECTRICAL PLAN &amp; PANEL SCHEDULE</div>	
CONSTR. DATA / CODE ANALYSIS:		PROJECT NOTES:	
<div>EXISTING BUILDING USE &amp; AREA SUMMARY:</div> <div>USE GROUP:</div> <div>EXISTING USE GROUP: A2</div> <div>CONSTRUCTION TYPE: 3B (SECTION 602)</div> <div>TABLE 503, ALLOWABLE HEIGHT &amp; AREA OF BUILDING: --&gt; TO REMAIN- NO CHANGE</div> <div>WORK AREA: ±2,350 SF</div>		<div>SCOPE OF WORK:</div> <div>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.</div> <div>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.</div> <div>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.</div> <div>4. THE CONTRACTOR IS TO PROVIDE ALL REQUIRED EQUIPMENT FOR DEMOLITION, CONSTRUCTION, AND/OR CLEAN-UP/REMOVAL WORK.</div> <div>5. ALL WORK IS TO BE COORDINATED SO THAT NEW WORK CAN BEGIN IMMEDIATELY AFTER THE DEMOLITION AND/OR REMOVAL WORK HAS BEEN COMPLETED.</div> <div>6. SUBCONTRACTORS ARE TO REVIEW ALL DRAWINGS, SPECIFICATIONS, AND DETAILS FOR ADDITIONAL WORK AND ARE RESPONSIBLE TO COORDINATE THEIR WORK WITH OTHER TRADES.</div> <div>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.</div>	
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.			

EXISTING CONDITIONS:		MATERIALS:	
<div>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.</div> <div>2. INDICATION OF SUBSTRATE AND CONFIGURATION OF CONCEALED ITEMS AND MATERIALS FOR GENERAL REFERENCE ONLY. CONTRACTORS SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION FOR ANY VARIANCE BETWEEN ACTUAL EXISTING CONDITIONS AND THAT REFERENCED ON THE DRAWINGS.</div> <div>PERMITS:</div> <div>THE CONTRACTOR SHALL ARRANGE FOR &amp; OBTAIN ALL NECESSARY APPROVALS AND INSPECTIONS AND OBTAIN FINAL INSPECTION AND PERMIT "CLOSE-OUT". MSU PAYS PERMIT FEES</div> <div>LICENSES/INSURANCES:</div> <div>SUBCONTRACTORS SHALL BE LICENSED, BONDED, INSURED, &amp; CAPABLE OF PERFORMING QUALITY WORKMANSHIP.</div> <div>APPROVALS:</div> <div>THE CONTRACTOR SHALL ARRANGE FOR AND OBTAIN ALL INSPECTIONS, APPROVALS &amp; CERTIFICATIONS OF OCCUPANCY.</div> <div>REGULATORY REQUIREMENTS:</div> <div>1. THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL CODES, LAWS &amp; REQUIREMENTS, MOST RECENTLY ADOPTED EDITIONS, INCLUDING, BUT NOT LIMITED TO:</div> <div><div><div>·</div><div>NJUCC § 5:23-6 REHABILITATION SUBCODE</div></div><div><div>·</div><div>INTERNATIONAL BUILDING CODE - 2021, NJ EDITION</div></div><div><div>·</div><div>NATIONAL ELECTRICAL CODE - 2020, NJ ED.</div></div><div><div>·</div><div>NATIONAL STANDARD PLUMBING CODE - 2021, NJ ED.</div></div><div><div>·</div><div>ASHRAE 90.1 - 2019, NJ ED.</div></div><div><div>·</div><div>INTERNATIONAL MECHANICAL CODE - 2021, NJ ED.</div></div><div><div>·</div><div>INTERNATIONAL FUEL GAS CODE - 2021, NJ ED.</div></div><div><div>·</div><div>BARRIER FREE SUBCODE ANSI 117.1 - 2017</div></div></div> <div>2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL AND STATE LABOR LAWS &amp; REGULATIONS CONCERNING WAGES, HIRING PRACTICES &amp; TRAINING.</div> <div>3. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS, OSHA RULES &amp; REGULATIONS, &amp; BUILDING / CONSTRUCTION CODES CONCERNING CONSTRUCTION SAFETY &amp; HEALTH STANDARDS.</div> <div>ALL AS AMENDED BY THE STATE OF NEW JERSEY.</div> <div>4. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE &amp; LOCAL ORDINANCES ASSOCIATED WITH ENVIRONMENTAL PROTECTION MEASURES, ENERGY EFFICIENCY, DEMOLITION &amp; DISPOSAL, AND NOISE &amp; DUST CONTROL IN PUBLIC AREAS.</div> <div>QUALITY ASSURANCE:</div> <div>1. ALL WORK SHALL BE INSTALLED, FIRSTLY, IN ACCORDANCE WITH ALL LAWS, CODES, ORDINANCES AND REQUIREMENTS OF THE GOVERNING AUTHORITIES, AND SECONDLY, IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH HEREIN, AND ALSO PER THE MANUFACTURER'S INSTALLATION REQUIREMENTS.</div> <div>2. ALL WORKMEN SHALL BE SKILLED IN THEIR TRADES, &amp; SHALL INSTALL MATERIALS IN STRICT COMPLIANCE WITH REGULATIONS, DRAWINGS &amp; SPECIFICATIONS.</div> <div>TESTING &amp; INSPECTIONS:</div> <div>CONTRACTOR SHALL EMPLOY &amp; PAY FOR THE SERVICES OF AN INDEPENDENT TESTING AGENCY TO PERFORM TESTING &amp; INSPECTIONS SERVICES AS REQUIRED.</div> <div>GUARANTEE:</div> <div>1. ALL LABOR AND MATERIALS SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER THE DATE OF FINAL ACCEPTANCE OF WORK OF THE PROJECT, BUT ANY LONGER GUARANTEES GIVEN BY MANUFACTURERS OR SUPPLIERS SHALL NOT BE LIMITED BY THE FOREGOING.</div>		<div>1. ALL MATERIALS SHALL BE NEW AND OF SPECIFIED QUALITY.</div> <div>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 NEEDFUL SAFETY DEVICES &amp; PRECAUTIONS.</div> <div>3. CONTRACTORS SHALL BID ON SPECIFIED PRODUCTS &amp; 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.</div> <div>SHOP DRAWINGS:</div> <div>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.</div> <div>CONTINUING OCCUPANCY:</div> <div>1. CONTRACTOR IS TO COMPLY WITH THE RULES AND REGULATIONS OF THE OWNER FOR WORK HOURS.</div> <div>GENERAL NOTES:</div> <div>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.</div> <div>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 &amp; BARRICADES TO PROTECT EMPLOYEES &amp; RESIDENTS AS REQUIRED.</div> <div>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.</div> <div>4. CONTRACTORS ARE RESPONSIBLE FOR: SCHEDULING, THE PURCHASE, DELIVERY, RECEIVING, UNLOADING, STORAGE &amp; SETTING IN PLACE OF ALL EQUIPMENT REQUIRED FOR THE PROJECT.</div> <div>5. SUBCONTRACTORS ARE RESPONSIBLE FOR SAFEGUARDING OF ALL MATERIALS UNTIL INCORPORATED INTO THE WORK AND UNTIL ACCEPTANCE OF SUBSTANTIAL COMPLETION.</div> <div>6. ALL CONTRACTORS ARE TO MAINTAIN THE PREMISES IN A NEAT &amp; ORDERLY CONDITION DURING THIS CONTRACT. DISPOSE OF ALL DEBRIS AT THE END OF EACH DAYS WORK.</div> <div>7. AT PROJECT COMPLETION, CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL RUBBISH, WASTE MATERIAL &amp; OTHER MATERIALS. REMOVE ALL TOOLS, VEHICLES, SURPLUS MATERIAL, ETC. FROM/ABOUT THE WORK SITE.</div>	
8. STORAGE, BURNING, OR SALE OF DEMOLISHED, REMOVED, AND/OR DISCARDED MATERIALS IS NOT TO BE PERMITTED ON THE PROJECT SITE.		9. TEMPORARY USE OF PARKING AREAS SHALL BE PERFORMED IN ACCORDANCE WITH OWNER REQUIREMENTS, REGULATIONS, & APPROVALS. DURATION OF ALL WORK WHICH INTERFERES WITH DAILY OPERATIONS SHALL BE KEPT TO A MINIMUM. PRIOR NOTICE OF MECHANICAL SHUTDOWNS SHALL BE PROVIDED TO THE OWNER IN ACCORDANCE WITH OWNER'S REQUIREMENTS.	
10. CONTRACTORS SHALL MAINTAIN A CLEAR PATH OF TRAVEL FOR ALL EXISTING REQUIRED EXITS, WAYS OF APPROACH THERETO, AND WAY OF TRAVEL FROM BUILDING EXITS INTO THE STREET FOR UNOBSTRUCTED EGRESS IN THE CASE OF FIRE OR OTHER EMERGENCY. GENERAL CONTRACTOR SHALL NOT PARK VEHICLES OR STORE MATERIALS IN "NO PARKING" OR "FIRE" ZONES.		11. CONTRACTOR SHALL PROVIDE PERSONNEL, VEHICLES & EQUIPMENT AS REQUIRED FOR CONSTRUCTION DELIVERIES.	
12. CONTRACTOR SHALL RESTORE ALL ADJACENT AREAS THAT ARE DISTURBED DURING THE COURSE OF THE WORK. PATCH & REPAIR AS DESCRIBED HEREIN OR AS OTHERWISE REQUIRED.		13. ALL DIMENSIONS INDICATED ON THE DRAWINGS ARE FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED.	
14. DRAWINGS SHOW THE GENERAL ARRANGEMENT & THE EXTENT OF THE WORK. EXACT LOCATION AND EQUIPMENT ARRANGEMENT SHALL BE DETERMINED BY THE PHYSICAL DIMENSIONS OF THE SITE AS PROVIDED BY SURVEY, FIELD MEASUREMENTS AND/OR AS DIRECTED BY THE ARCHITECT. CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR THE FINAL INSTALLATION & LOCATION OF ALL WORK. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO START OF WORK.			

PROJECT CONTACTS:	
<div>CLIENT:</div> <div>MONTCLAIR STATE UNIVERSITY</div> <div>1 NORMAL AVENUE</div> <div>MONTCLAIR, NJ 07043</div> <div>HENRY ORNOVITZ</div> <div>201-704-4586</div> <div>ARCHITECT:</div> <div>GARY MUSCIANO, RA, ARCHITECT</div> <div>611 MAIN STREET</div> <div>2ND FLOOR</div> <div>BOONTON, NJ 07005</div> <div>PROJECT CONTACT:</div> <div>GARY MUSCIANO 973-538-3815</div>	









- 1 REMOVE/DISPOSE OF EXISTING CEILING GRID & TILES. COORDINATE WITH RCP FOR NEW LAYOUT.
- 2 REMOVE EXISTING MECHANICAL GRILLE. PROVIDE NEW CEILING TILE TO MATCH EXISTING.
- 3 REMOVE EXISTING GLASS PANEL. PROVIDE LOUVER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.  
PROVIDE NEW GLASS PANEL TO MATCH EXISTING, VIF.
- 4 EXISTING CEILING GRID SYSTEM TO REMAIN. REVISE, FIX, MODIFY, CLEAN & PAINT CEILING GRID. PROVIDE NECESSARY PARTS FOR A COMPLETE SYSTEM. COORDINATE CEILING GRID MODIFICATIONS WITH REFLECTED CEILING PLAN.
- 5 EXISTING LIGHT FIXTURES TO REMAIN. REPLACE DAMAGED/INOPERATIVE LIGHT FIXTURES.
- 6 EXISTING LIGHT FIXTURES TO BE REMOVED/DISPOSED OF. COORDINATE WITH RCP FOR NEW CEILING LAYOUT & LIGHT FIXTURE LOCATIONS.



NJ 0078	MI 1301045424
NY 021867	MM 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 0010440	RI 2030
GA RA 012998	SC 8651
IL 001 020501	TN 105438
IN AR 113000607	TX 15417
IA 06841	UT 8470051-0301
KS 5073	VT 2529
LA 5690	VA 040108254
MD 11039	WA 11037
MA 10311	N.J. COA 21A600
NY PLANNER 33U/0043530	

## KEY PLAN

MSU PROJECT NO.  
24CO26-1

[illegible]

CLIENT / PROJECT:

**MONTCLAIR**  
STATE UNIVERSITY

**MECHANICAL  
RENOVATIONS**  
FREEMAN HALL  
MONTCLAIR, NJ 07043

DRAWING TITLE

# DEMOLITION CEILING PLAN & NOTES

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

THIS DESIGN IS COPYRIGHTED AND PROTECTED UNDER THE LAWS OF THE UNITED STATES OF AMERICA. ANY UNAUTHORIZED USE OF THE DOCUMENT WITHOUT WRITTEN CONSENT OF THE ARCHITECT IS PROHIBITED.

DRAWING NO.  
**D-100**

0  
1/2020





NJ 8078	MI 1301045424
NY 021687	MM 48411
CA 29549	MO A 2090005517
CO 401804	NV 5015
CT 7547	NC 9671
DC ARC 6052	OH 9510925
DE 95-000084	PA RA3 403281
FL 00111404	RI 2030
GA 00141018	SC 9661
IL 00122986	TN 005438
IN 001202051	TX 1547
IN AR 11300067	UT 840705-0301
IA 06841	VT 2529
KS 5073	VA 041008254
LA 5690	WA 11037
MD 11039	N.J. COA 21AC00
MA 10131	
NY PLANNER 3304035100	

MSU PROJECT NO.  
24CO26-1

CLIENT / PROJECT:

**MECHANICAL  
RENOVATIONS**  
FREEMAN HALL  
MONTCLAIR, NJ 07043

DRAWING TITLE

# DEMOLITION MECHANICAL PLAN

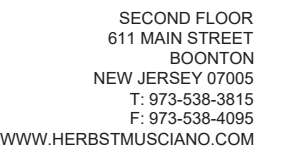
THIS DESIGN IS COPYRIGHTED AND PROTECTED UNDER THE LAWS OF THE UNITED STATES OF AMERICA. ANY UNAUTHORIZED USE OF THE DOCUMENT WITHOUT WRITTEN CONSENT OF THE ARCHITECT IS PROHIBITED.

RAWING NO.

M-100

0  
1/2020





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
HI 01.020501	TN 105438
IL AR 11300067	TX 15417
IN 06841	UT 8470051-0301
KS 5073	VT 2529
LA 5690	VA 0401086254
MD 11039	WA 11037
MA 10131	N.J. COA 21AC00083000
NY PLANNER 331.00435100	

## KEY PLAN

		REVISIONS ▼	
NO.	DATE:		
1	01.07.26	REVISED AS PER CLIENT	
2	01.14.26	ISSUED FOR BID	
1	11.13.25	ISSUED FOR CONSTRUCTION	
NO.	DATE:	SUBMISSIONS ▲	

CLIENT / PROJECT:

MECHANICAL  
RENOVATIONS  
FREEMAN HALL  
MONTCLAIR, NJ 07043

DRAWING TITLE:

MECHANICAL PLAN,  
TYPICAL LOUVER  
ELEVATION &  
SECTION

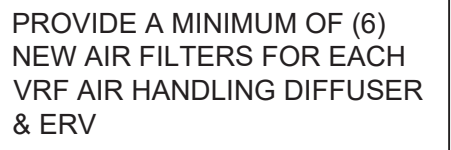
HECKED BY: GM PROJECT NO.: 8130

THIS DESIGN IS COPYRIGHTED AND PROTECTED UNDER THE LAWS OF THE UNITED STATES OF AMERICA. ANY UNAUTHORIZED USE OF THE DOCUMENT WITHOUT WRITTEN CONSENT OF THE ARCHITECT IS PROHIBITED.

DRAWING NO.

**M-101**

4/2020



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 3/4" 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			



SUBTOTAL AMPS	33	33	33	33	1	1	4	ALL CIRCUIT BREAKERS ARE SERIES RATED
CONNECTED LOAD TOTALS	A=34	B=34	C=37					NO DIVERSITY APPLIED TO LOADS



MSU PROJECT NO.:  
24CO26-1

CLIENT / PROJECT:

**MONTCLAIR**  
STATE UNIVERSITY

**MECHANICAL  
RENOVATIONS**  
FREEMAN HALL  
MONTCLAIR, NJ 07043

# ELECTRICAL PLAN & PANEL SCHEDULE

THIS DESIGN IS COPYRIGHTED AND PROTECTED UNDER THE LAWS OF THE UNITED STATES OF AMERICA. ANY UNAUTHORIZED USE OF THE DOCUMENT WITHOUT WRITTEN CONSENT OF THE ARCHITECT IS PROHIBITED.