

2024 HVAC Improvements Medora Community Schools

82 S. George Johnson Road
Medora, Indiana 47260

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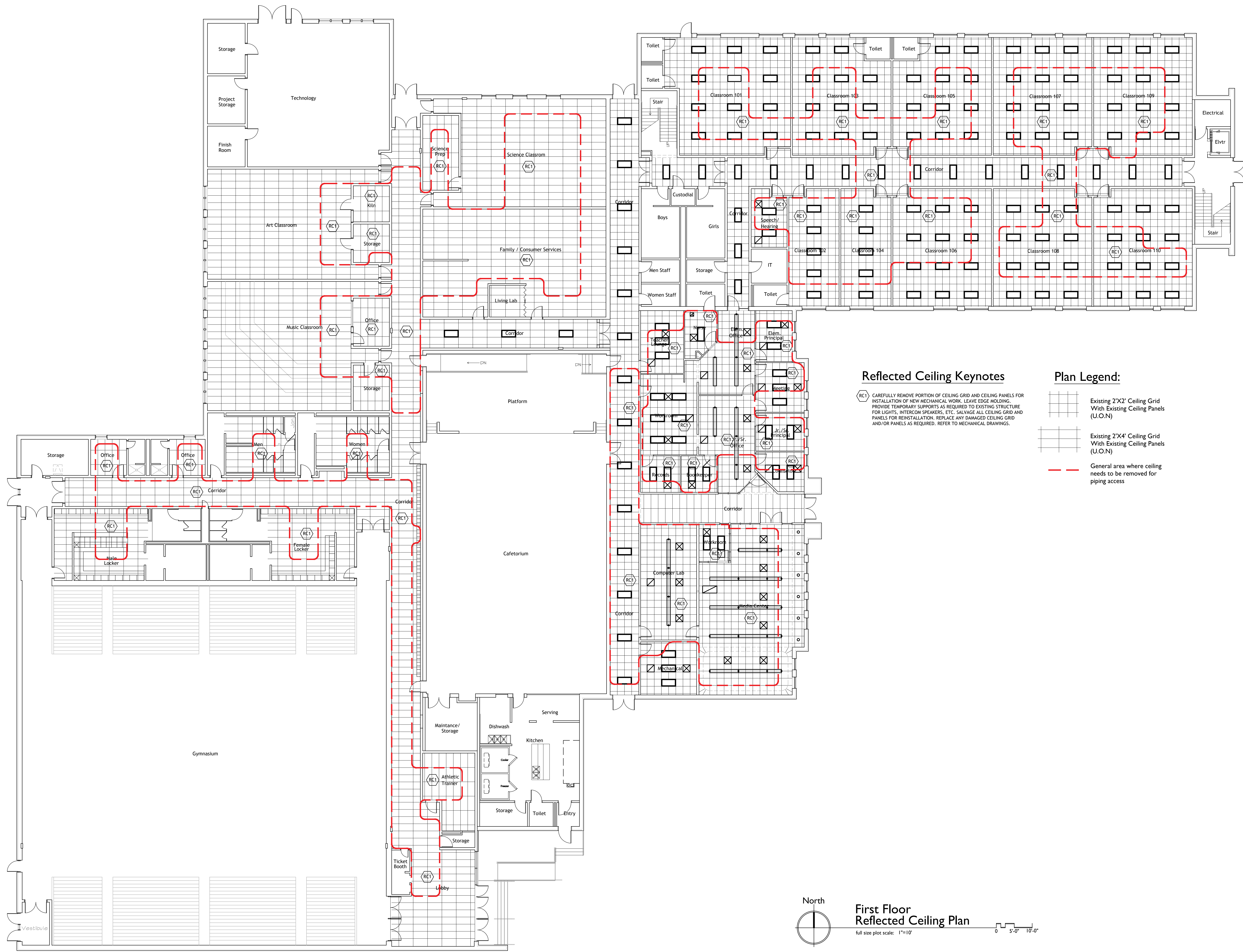
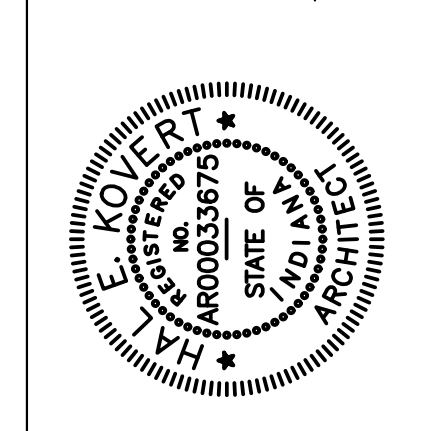
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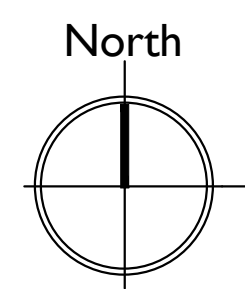


Reflected Ceiling Keynotes

RC1 CAREFULLY REMOVE PORTION OF CEILING GRID AND CEILING PANELS FOR INSTALLATION OF NEW MECHANICAL WORK. LEAVE EDGE MOLDING. PROVIDE TEMPORARY SUPPORTS AS REQUIRED TO EXISTING STRUCTURE FOR LIGHTS, INTERCOM SPEAKERS, ETC. SALVAGE ALL CEILING GRID AND PANELS FOR REINSTALLATION. REPLACE ANY DAMAGED CEILING GRID AND/OR PANELS AS REQUIRED. REFER TO MECHANICAL DRAWINGS.

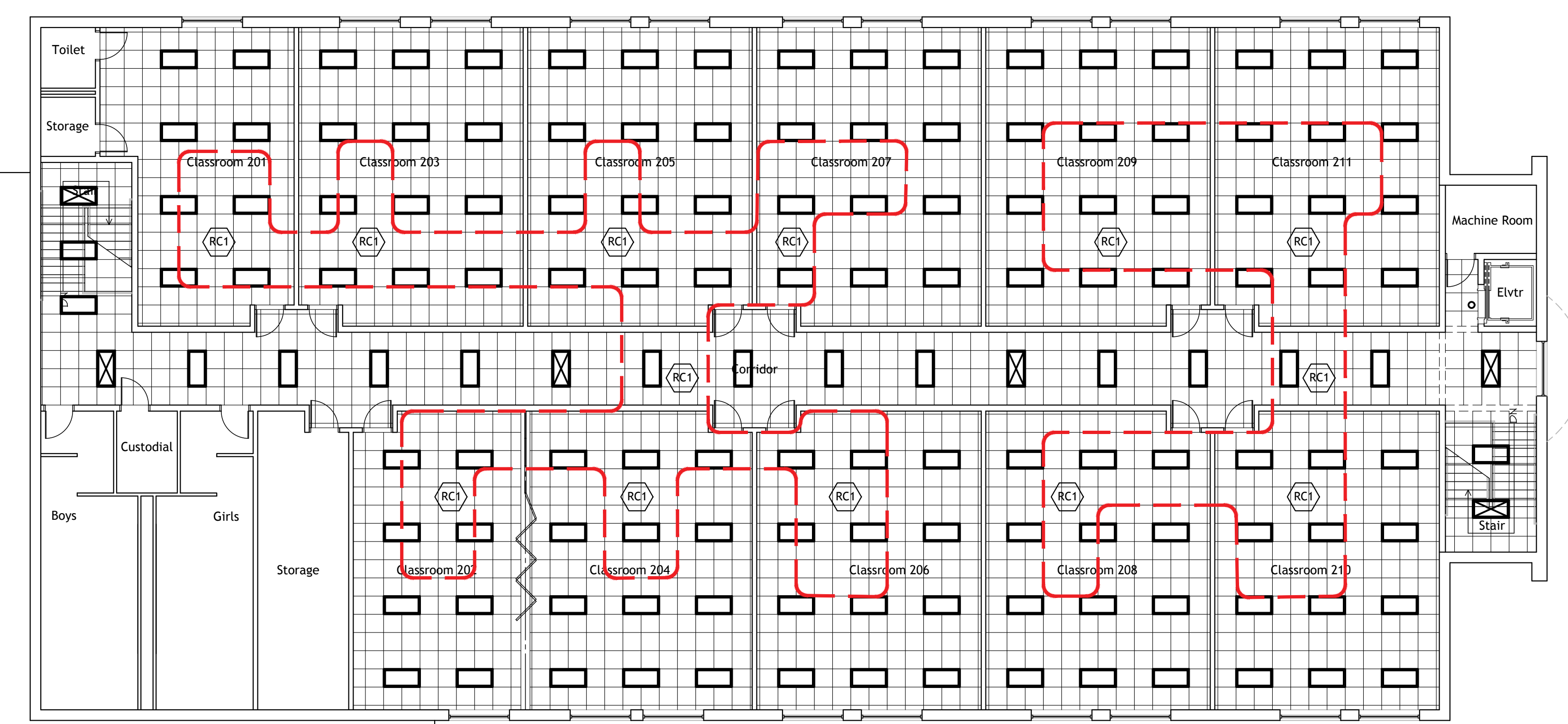
Plan Legend:

- Existing 2'X2' Ceiling Grid With Existing Ceiling Panels (U.O.N)
- Existing 2'X4' Ceiling Grid With Existing Ceiling Panels (U.O.N)
- General area where ceiling needs to be removed for piping access



First Floor Reflected Ceiling Plan

full size plot scale: 1"=10' 0 5'-0" 10'-0"

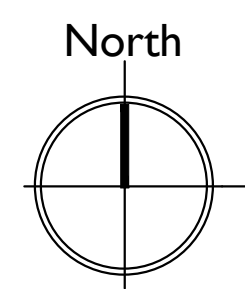


Reflected Ceiling Keynotes

RC1 CAREFULLY REMOVE PORTION OF CEILING GRID AND CEILING PANELS FOR INSTALLATION OF NEW MECHANICAL WORK. LEAVE EDGE MOLDING. PROVIDE TEMPORARY SUPPORTS AS REQUIRED TO EXISTING STRUCTURE FOR LIGHTS, INTERCOM SPEAKERS, ETC. SALVAGE ALL CEILING GRID AND PANELS FOR REINSTALLATION. REPLACE ANY DAMAGED CEILING GRID AND/OR PANELS AS REQUIRED. REFER TO MECHANICAL DRAWINGS.

Plan Legend:

- Existing 2'X2' Ceiling Grid With Existing Ceiling Panels (U.O.N)
- General area where ceiling needs to be removed for piping access



**Second Floor
Reflected Ceiling Plan**

full size plot scale: 1"=10'

MECHANICAL LEGEND

AFC	ABOVE FINISHED CEILING		CONCENTRIC REDUCER		DUCTWORK DEMOLITION	
AFF	ABOVE FINISHED FLOOR		BUTTERFLY VALVE		EXISTING DUCTWORK TO REMAIN	
TYP	TYPICAL		CHECK VALVE		SUPPLY AIR DUCT - INSIDE DIMENSION - 20"HORZ.X12"VERT. (TURNED UP/DOWN)	
NTS	NOT TO SCALE		GLOBE VALVE		RETURN AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)	
NO	NORMALLY OPEN		GATE VALVE (NORMALLY OPEN)		EXHAUST AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)	
NC	NORMALLY CLOSED		GATE VALVE (NORMALLY CLOSED)		OUTSIDE AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)	
	CONNECT TO EXISTING		PETE'S PLUG OR EQUIVALENT		RELIEF AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)	
	TAGGED NOTE		GAS COOK		FLEXIBLE DUCT	
	DEMOLISH TO THIS POINT		BALANCING COCK		ACCESS DOOR IN BOTTOM OF DUCT	
	DEMOLISH TO THIS POINT AND CAP		BALL VALVE		ACCESS DOOR IN SIDE OF DUCT	
---E(NAME)---	EXISTING PIPING (THIN SOLID LINE)		SAFETY OR RELIEF VALVE		OPPOSED BLADE DAMPER (MOTORIZED)	
---E(NAME)---	REMOVE EXISTING PIPING (THIN BROKEN LINE)		PRESSURE REDUCING VALVE (WATER)		VOLUME DAMPER (MANUAL)	
---CD---	CONDENSATE DRAIN LINE		REDUCED PRESSURE BACKFLOW PREVENTER		FIRE DAMPER	
---CWS---	CHILLED WATER SUPPLY		CONTROL VALVE (2-WAY)		TURNING VANES	
---CWR---	CHILLED WATER RETURN		CONTROL VALVE (3-WAY)		DEFLECTOR (AT REGISTER OR BRANCH)	
---HWS---	HOT WATER SUPPLY		TRIPLE DUTY VALVE		TRANSITION - PIPING	
---HWR---	HOT WATER RETURN		DIGITAL THERMOMETER		DIRECTION OF FLOW (PIPING)	
---DWS---	DUAL TEMP (HOT/COLD) SUPPLY		MANUAL AIR VENT		TEMPERATURE SENSOR WITH STAINLESS STEEL COVER PLATE	
---DWR---	DUAL TEMP (HOT/COLD) RETURN		AUTOMATIC AIR VENT		THERMOSTAT	
---REFRIG---	REFRIGERANT PIPING, SIZE PER MANUFACTURER RECOMMENDATIONS		PIPING ELBOW (TURNED UP/DOWN)		DIFFERENTIAL PRESSURE SENSOR (HYDRONIC)	
	INDICATES AIR DISTRIBUTION DEVICE SPECIFICATION (L=LOUVER, T=TRANSFER GRILLE, S=SUPPLY DIFFUSER OR REGISTER, R=RETURN GRILLE OR REGISTER, E=EXHAUST GRILLE OR REGISTER)		FLANGE		PRESSURE GAUGE & COCK	
			UNION		DUCT-MOUNTED STATIC PRESSURE SENSOR	
			FAN SWITCH		DUCT-MOUNTED SMOKE DETECTOR	
			EMERGENCY BOILER SHUT-OFF SWITCH		CARBON DIOXIDE SENSOR	
			DIAL THERMOMETER		HUMIDITY SENSOR	

- GENERAL NOTES (APPLICABLE TO ALL DRAWINGS):
- EACH CONTRACTOR, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS AND AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
 - PLANS ARE DIAGRAMMATIC. NOT ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSERS' DISCRETION.
 - INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC., IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND/OR THE COLLECTION OF CONDENSATION THEREON.
 - OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
 - ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT DONE SO SHALL BE REWORKED AND REINSTALLED SATISFACTORILY.
 - WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
 - DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAD OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL MATCH ADJACENT SURFACES AND BE IN ACCORD WITH OWNER STANDARDS FOR SUCH WORK.
 - TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCT WORK ELBOWS. REFER TO SPECIFICATION SECTION 15810 FOR MORE DETAIL.
 - THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER LOCATIONS, DEPTHS, ELEVATIONS AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC. AT THE TIME OF BID.
 - WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING INSTALLED. INSTANTLY OR INTEGRITY IN ANY WAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER.
 - ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
 - COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, ETC. WITH ALL MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY REINSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
 - THE PURPOSE AND INTENT OF ALL THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, NEW FACILITY. ANYTHING LESS IS UNACCEPTABLE.
 - ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
 - INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
 - ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FITTINGS SHALL BE UNIQUE FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES. EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING. DO NOT SUPPORT EQUIPMENT FROM WALLS OR PARTITIONS.
 - DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
 - THE GENERAL CONTRACTOR FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. EACH TRADE SHALL COORDINATE THEIR WORK WITH OTHER TRADES AND THE GENERAL CONTRACTOR.
 - VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT.
 - ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC. DO NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
 - EXISTING CONDUIT AND WIRING: EXISTING CONDUIT AND WIRING MAY BE SUPPORTED BY EXISTING DUCT AND PIPING HANGERS. COORDINATE WORK WITH ELECTRICAL AND GENERAL CONTRACTOR TO RE-SUPPORT WIRING BEFORE CUTTING HANGERS. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY NOT COORDINATING WORK.
 - INCLUDE IN BID ALL COST ASSOCIATED WITH DRAINING AND FILLING ALL PIPING SYSTEMS AS REQUIRED TO INSTALL WORK.
 - PATCH HOLES IN WALLS, FLOORS, CEILINGS, ROOFS, ETC. TO MATCH ADJACENT SURFACES AS A RESULT OF REMOVAL OF MECHANICAL SYSTEMS. PATCHING SHALL BE PERFORMED BY QUALIFIED TRADESMAN.
 - WHERE THERMOSTATS AND OTHER WALL-MOUNTED CONTROL DEVICES ARE REMOVED AND NOT REPLACED PATCH WALL TO MATCH EXISTING CONDITIONS.
 - ANY VALVES USED FOR TESTING PURPOSES THAT ARE NOT SHOWN ON THESE DRAWINGS MUST MINIMALLY MEET THE QUALITY AND PERFORMANCE OF THE VALVES LISTED IN THE SPECIFICATIONS AND BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
 - INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE. CAP ABANDONED PIPING AND DUCTWORK.
 - EQUIVALENT DUCT SIZES ARE ALLOWED. DUCTWORK MAY BE FLATTENED AS REQUIRED TO ALLOW FOR FIT. DUCT MAY NOT BE FLATTENED (1) IN HEIGHT TO (4) IN WIDTH.
 - WHERE WORK IS REQUIRED ABOVE EXISTING CEILINGS AND/OR OUTSIDE OF WORKSCOPE AREA, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CUT, PATCH, REMOVAL, AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THIS CONTRACTOR'S EXPENSE.
 - MECHANICAL CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER MECHANICAL EQUIPMENT DEMOLITION.
 - MECHANICAL CONTRACTOR SHALL DISPOSE OF DEMOLISHED MECHANICAL EQUIPMENT AND COORDINATE WITH THE CONSTRUCTION MANAGER.
 - PRIOR TO START OF DEMOLITION WORK, MECHANICAL CONTRACTOR SHALL VERIFY WITH ELECTRICAL CONTRACTOR THAT POWER FEEDS AND CONTROL WIRING HAVE BEEN DISCONNECTED AND LOCKED OUT FROM MECHANICAL EQUIPMENT WHICH IS TO BE REMOVED.
 - MECHANICAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK.
 - WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN AIRTIGHT. FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW ISOLATIONS VALVES AT MAINS AS REQUIRED, OR EVERYWHERE NEW WORK TIES INTO EXISTING, AS A STANDARD FOR THE PROJECT. FIELD VERIFY EXACT EXTENT OF WORK PRIOR TO BID.

Notice

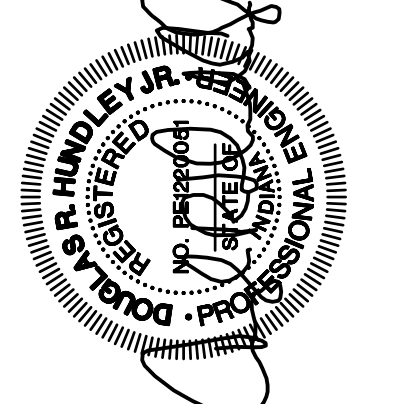
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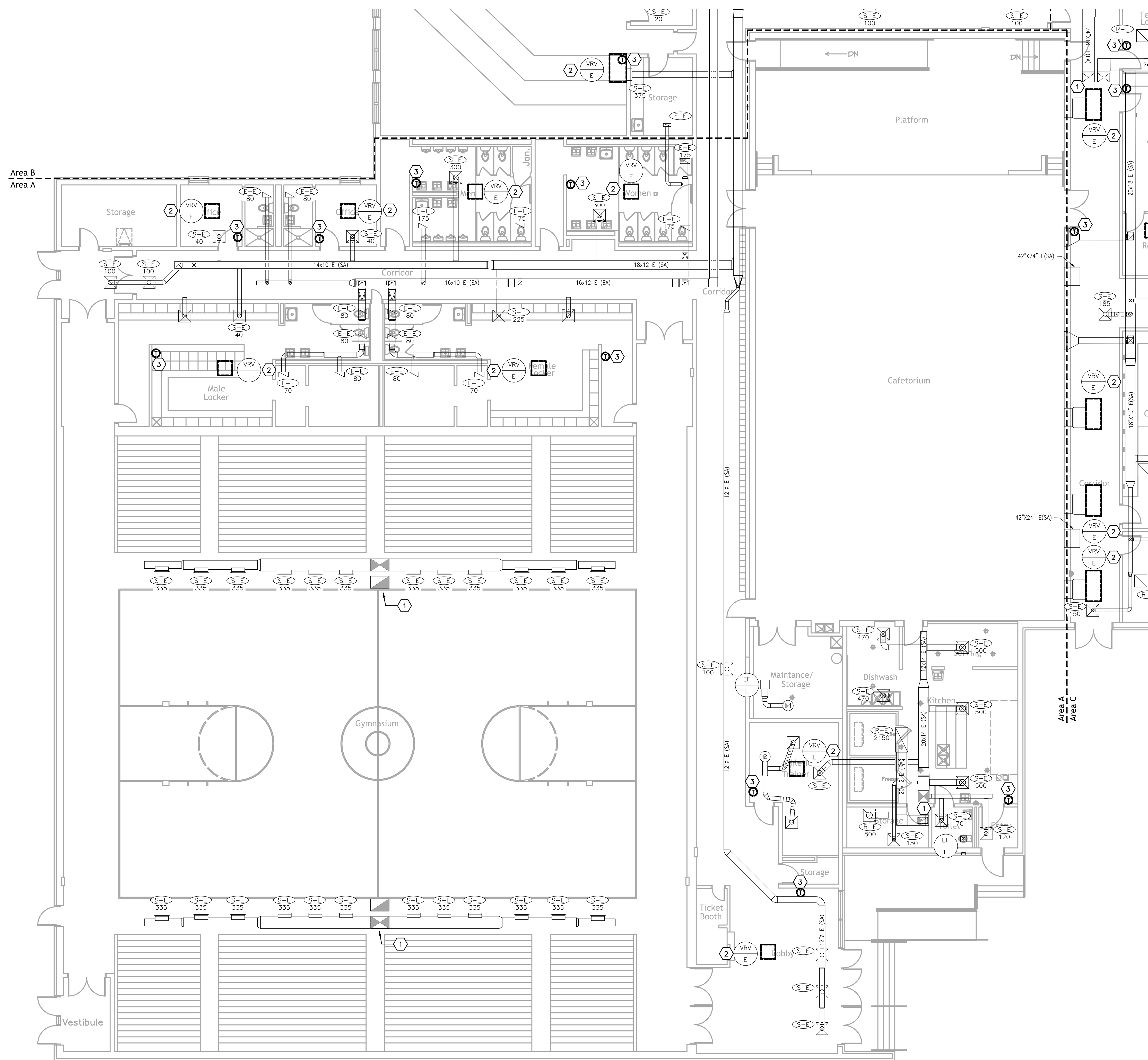
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Project #: WMS24
Date: 04/26/24

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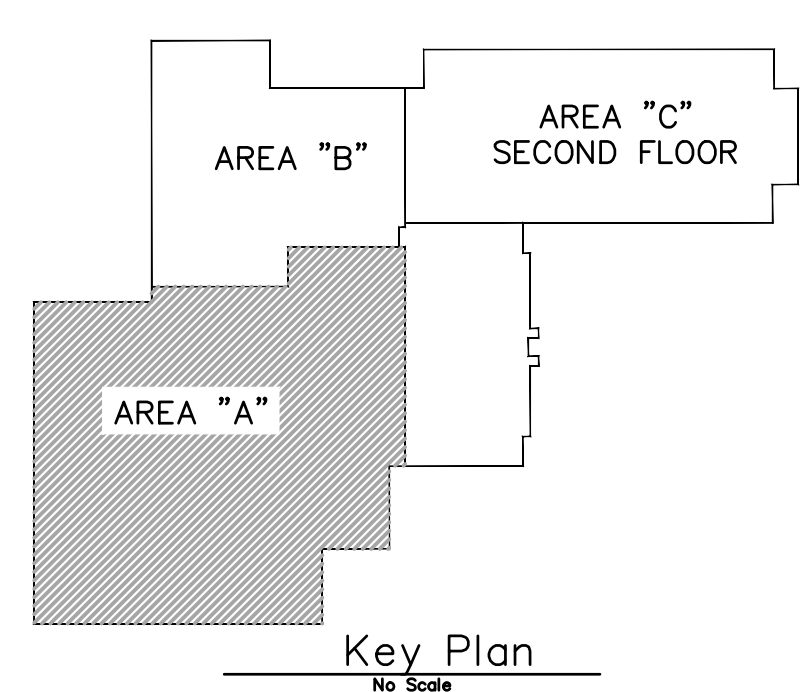
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2024 HVAC Improvements
Medora Community Schools
82 S. George Johnson Road
Medora, Indiana 47260



- GENERAL NOTES - MECHANICAL DEMOLITION:**
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 - PATCH HOLES IN WALLS, FLOORS, CEILINGS, ROOFS, ETC. TO MATCH ADJACENT SURFACES AS A RESULT OF MECHANICAL SYSTEMS. PATCH SHALL BE PERFORMED BY QUALIFIED TRADESMAN. PAINT ALL WALLS FROM CORNER TO CORNER TO MATCH ADJACENT CONDITIONS.
 - WHERE WORK IS REQUIRED ABOVE EXISTING CEILINGS AND/OR OUTSIDE OF WORKSCOPE AREA, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CUT, PATCH, REMOVAL, AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THIS CONTRACTOR'S EXPENSE.
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 - MECHANICAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK. WITHIN ALL AREAS OF WORK, ALL INSULATION MISSING OR DAMAGED SHALL BE REPAIRED OR REPLACED FOR ALL EXISTING SYSTEMS.
 - WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN AIRTIGHT. FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW SOLUTIONS VALVES AT MAINS AS REQUIRED, OR EVERYWHERE NEW WORK TIES INTO EXISTING, AS A STANDARD FOR THE PROJECT. FIELD VERIFY EXACT EXTENT OF WORK PRIOR TO BID.
 - REMOVE ALL EXISTING ABANDONED PIPING ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGERS, INSULATION, VALVES, ETC. CAP ALL AT MAINS AS REQUIRED.
 - REMOVE ALL EXISTING ABANDONED DUCTWORK ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGERS, INSULATION, VALVES, ETC. CAP ALL AT MAINS AS REQUIRED.
 - ALL EXISTING EQUIPMENT IS EXISTING TO REMAIN UNLESS NOTED. REFER TO CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION ABOUT ADDING AND MODIFYING EXISTING CONTROLS.

- TAG NOTES**
- EXISTING DUCTWORK UP TO ROOFTOP UNIT, REFER TO ROOF PLAN FOR CONTINUATION.
 - EXISTING VRF INDOOR SPLIT UNIT TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS, REFRIGERANT PIPING AND ELECTRICAL CONNECTIONS. ALL DUCTWORK AND CONDENSATE PIPING IS TO REMAIN AND BE REUSED.
 - EXISTING THERMOSTAT TO BE REMOVED AND REPLACED. PROVIDE BRUSHED STAINLESS STEEL PLATE TO COVER EXISTING WALL OPENING.
 - EXISTING EXHAUST FAN AND ELECTRIC HEATER SERVING BATHROOMS ARE TO BE REMOVED COMPLETELY. REMOVE DUCTWORK AS INDICATED TO RISER AT ROOF AND LOUVER AND CAP WITH INSULATED PANEL.
 - EXISTING ROOFTOP UNIT TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS AND ELECTRICAL. THE EXISTING DUCTWORK, ROOF CURB, CONDENSATE PIPING AND GAS PIPING ARE TO REMAIN AND BE RECONNECTED TO NEW UNIT.
 - EXISTING ENERGY RECOVERY UNIT TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS, REFRIGERANT PIPING AND ELECTRICAL. THE EXISTING CURB AND PIPING PENETRATION IS TO REMAIN AND BE RECONNECTED TO NEW UNIT.
 - EXISTING HEAT PUMP UNIT IS TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS, REFRIGERANT PIPING AND ELECTRICAL. THE EXISTING CURB AND PIPING PENETRATION IS TO REMAIN AND BE REUSED.
 - REFRIGERANT PIPING UP TO ROOF, REFER TO ROOF PLAN FOR CONTINUATION.
 - EXISTING TEMPERATURE CONTROL PANEL TO BE REMOVED.
 - INSTALL NEW VRF INDOOR UNIT AND RECONNECT TO EXISTING CONDENSATE PIPING AND DUCTWORK AS REQUIRED.
 - PROVIDE AND INSTALL NEW THERMOSTAT, REFER TO CONTROL SPECIFICATIONS.
 - PROVIDE NEW CONTROLS ON EXISTING EXHAUST FAN, REFER TO CONTROL SPECIFICATIONS.
 - PROVIDE NEW CONTROLS ON EXISTING UNIT HEATERS, REFER TO CONTROL SPECIFICATIONS.
 - PROVIDE NEW DAMPER IN DUCT.
 - PROVIDE OCCUPANCY SENSOR IN CEILING, REFER TO CONTROL SPECIFICATIONS.
 - TRANSITION TO EXISTING DIFFUSER CONNECTION POINT AS REQUIRED.
 - INSTALL ROOFTOP ON EXISTING CURB, PROVIDE NEW CURB ADAPTER AS REQUIRED. RECONNECT TO EXISTING DUCTWORK, CONDENSATE PIPING AND GAS PIPING AS REQUIRED.
 - INSTALL ENERGY RECOVERY UNIT ON EXISTING CURB. PROVIDE NEW CURB ADAPTER AS REQUIRED. RECONNECT TO EXISTING DUCTWORK, CONDENSATE PIPING AND GAS PIPING AS REQUIRED.
 - INSTALL HEAT PUMP UNIT ON EXISTING CURB. ROUTE REFRIGERANT PIPING TO INDOOR UNITS USING EXISTING ROOF PENETRATION.
 - PROVIDE AND INSTALL NEW DUCT PRESSURE SENSOR, REFER TO CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.



Air Distribution Plan - First Floor - Area A - Demolition

Scale: 1/8" = 1'-0"

Notice

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Checked By: CMTA
Project #: WMS24
Date: 04/26/24

Certified By: Doug Hundley - 04/26/24

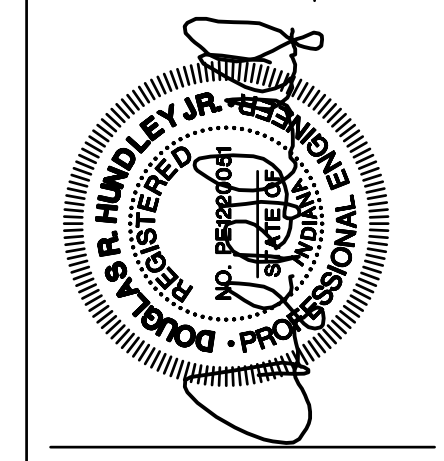
Revisions

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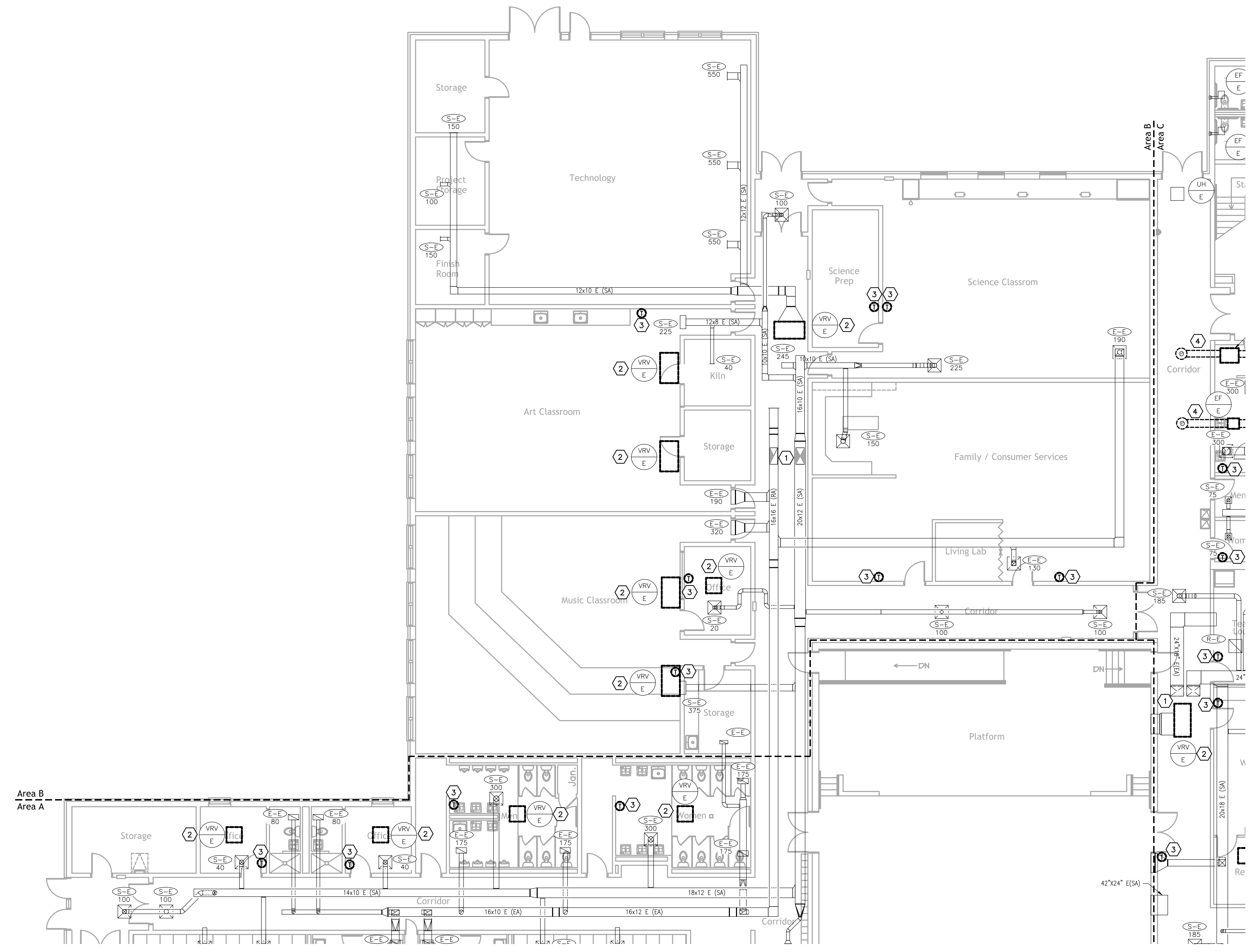
82 S. George Johnson Road
Medora, Indiana 47260

Sheet
Air Dist - 1st Flr -
Area A - Demolition
M200



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 - MECHANICAL CONTRACTOR SHALL DISPOSE OF DEMOLISHED MECHANICAL EQUIPMENT AND COORDINATE WITH THE CONSTRUCTION MANAGER.
 - PRIOR TO START OF DEMOLITION WORK, MECHANICAL CONTRACTOR SHALL VERIFY WITH ELECTRICAL CONTRACTOR THAT POWER FEEDS AND CONTROL WIRING HAVE BEEN DISCONNECTED AND LOCKED OUT FROM MECHANICAL EQUIPMENT WHICH IS TO BE REMOVED.
 - MECHANICAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK. WITHIN ALL AREAS OF WORK, ALL INSULATION MISSING OR DAMAGED SHALL BE REPAIRED OR REPLACED FOR ALL EXISTING SYSTEMS.
 - WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN HEIGHT. FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW ISOLATIONS VALVES AT MAINS AS REQUIRED, OR EVERYWHERE NEW WORK TIES INTO EXISTING, AS A STANDARD FOR THE PROJECT. FIELD VERIFY EXACT EXTENT OF WORK PRIOR TO BID.
 - REMOVE ALL EXISTING ABANDONED PIPING ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGERS, INSULATION, VALVES, ETC. CAP ALL AT MAINS AS REQUIRED.
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 - ALL EXISTING EQUIPMENT IS EXISTING TO REMAIN UNLESS NOTED. REFER TO CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION ABOUT ADJUSTING AND MODIFYING EXISTING CONTROLS.

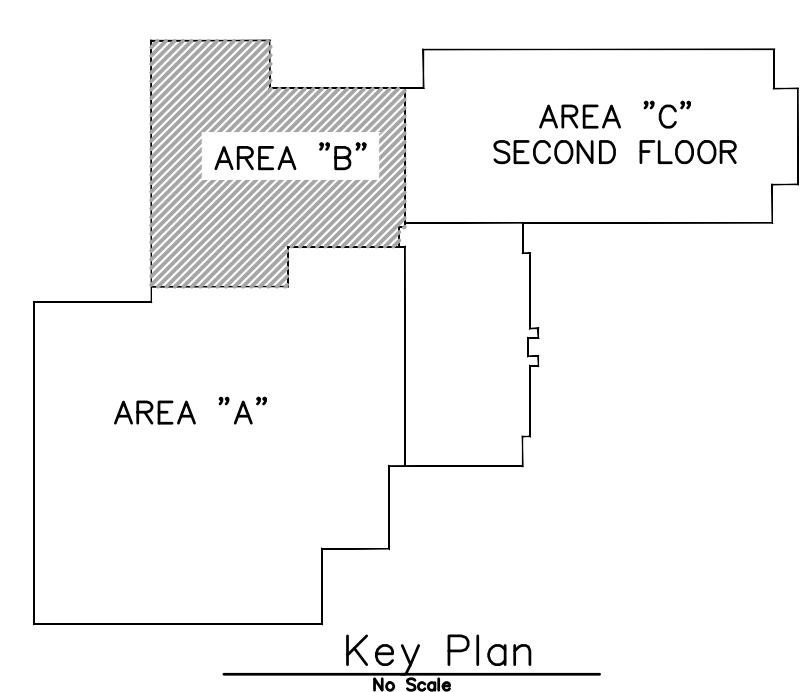
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 - PROVIDE AND INSTALL NEW THERMOSTAT, REFER TO CONTROL SPECIFICATIONS.
 - PROVIDE NEW CONTROLS ON EXISTING EXHAUST FAN, REFER TO CONTROL SPECIFICATIONS.
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 - PROVIDE NEW DAMPER IN DUCT.
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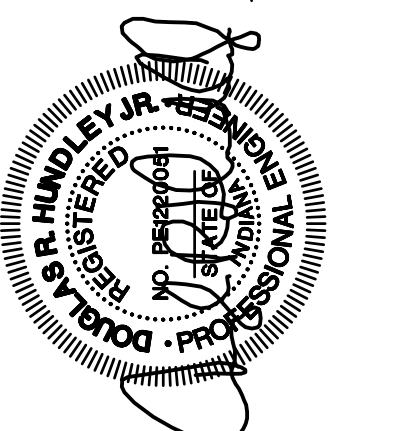


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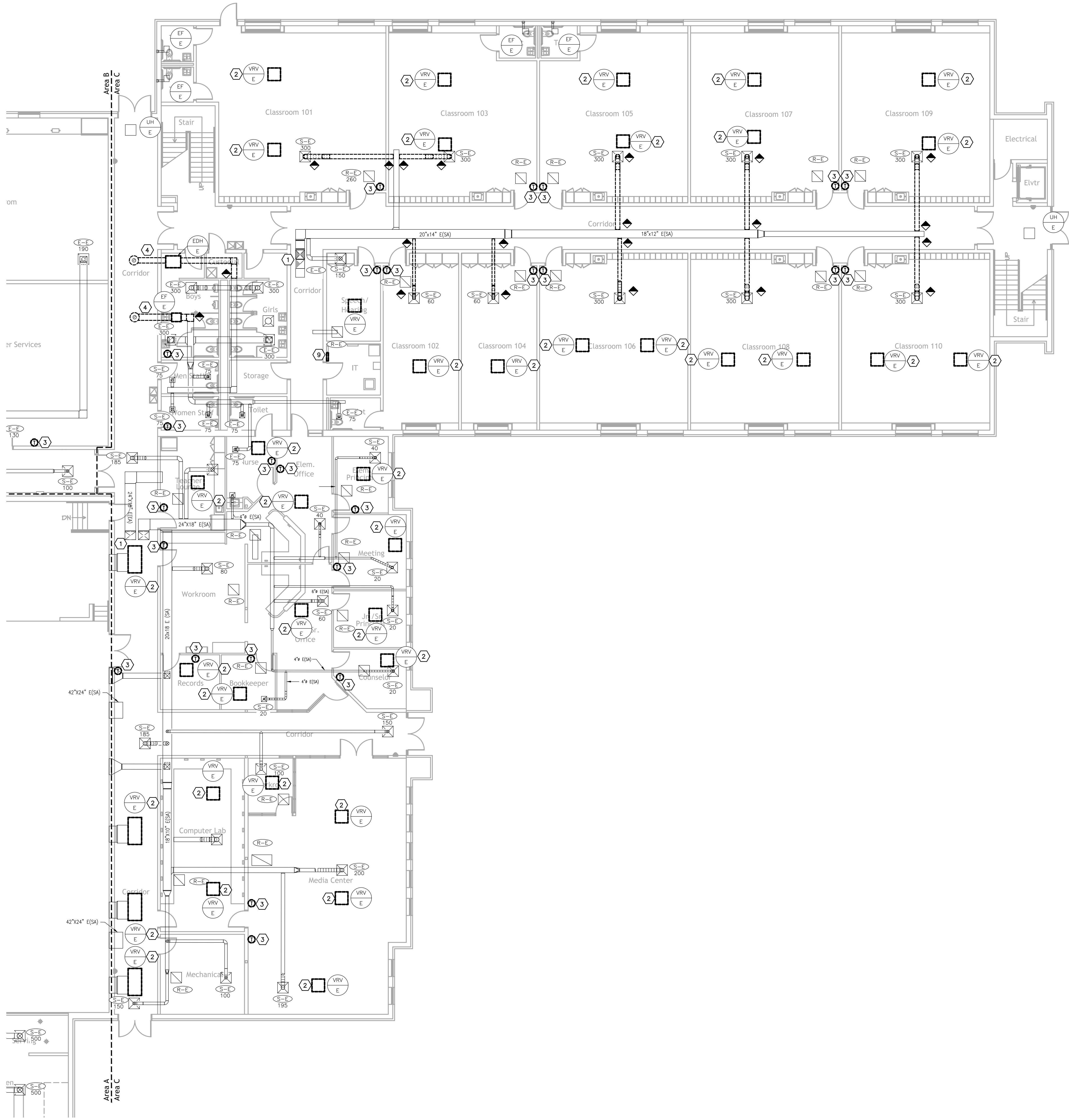
Air Distribution Plan - First Floor - Area B - Demolition
Scale: 1/8" = 1'-0"





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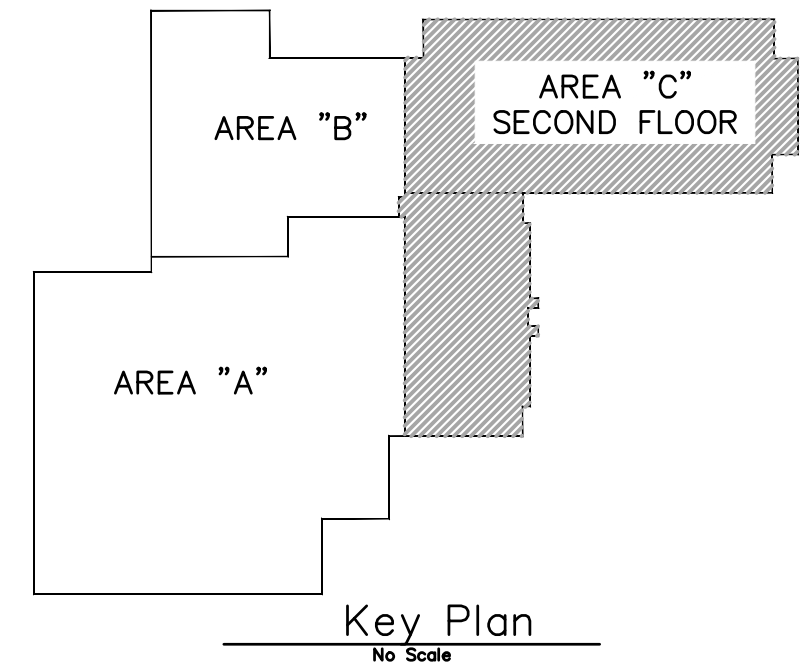
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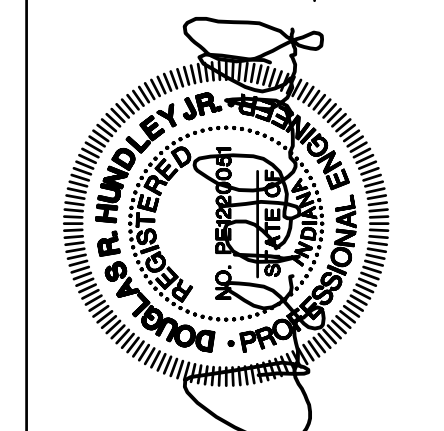


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Air Distribution Plan - First Floor - Area C - Demolition

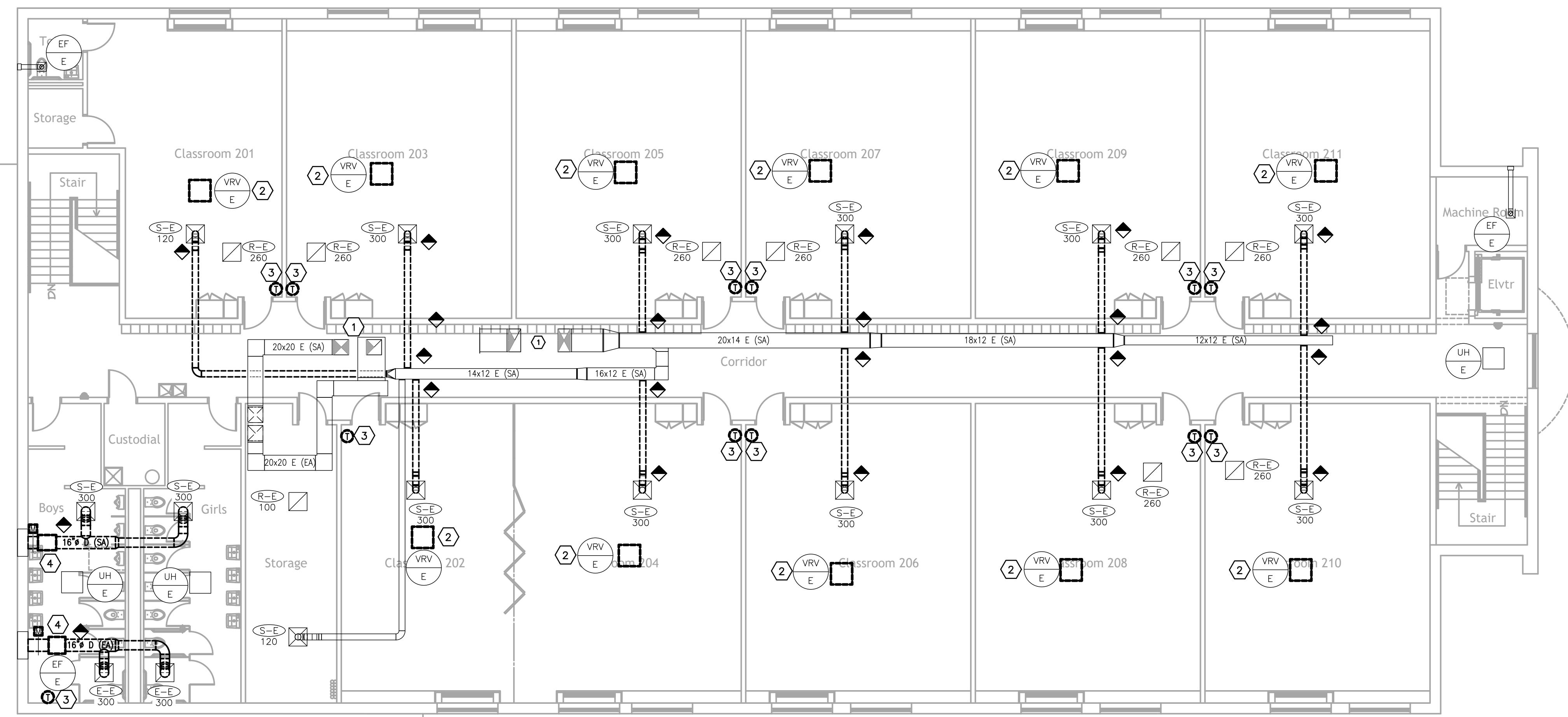
Scale: 1/8" = 1'-0"





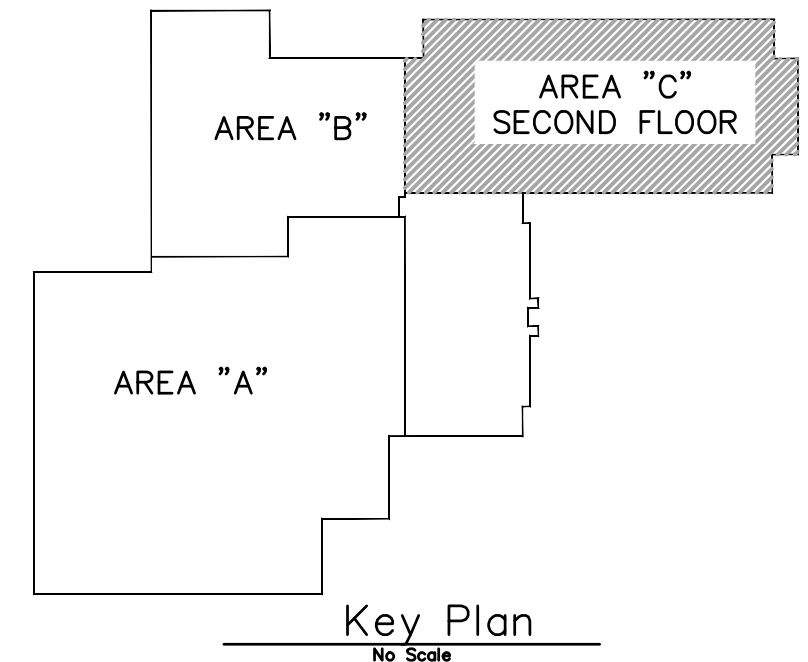
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 - PROVIDE AND INSTALL NEW DUCT PRESSURE SENSOR, REFER TO CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.



Air Distribution Plan -Second Floor - Demolition

Scale: 1/8" = 1'-0"



Notice

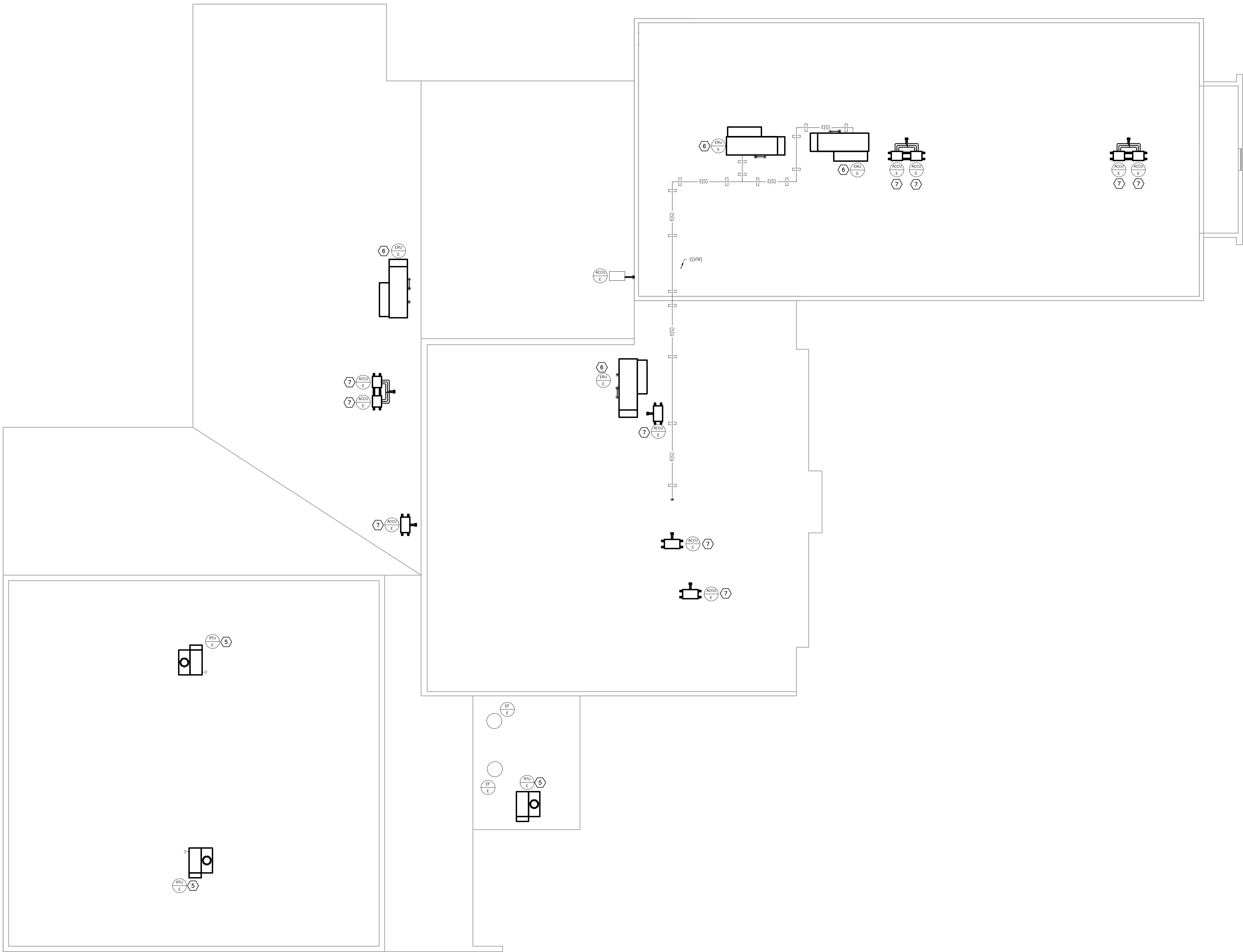
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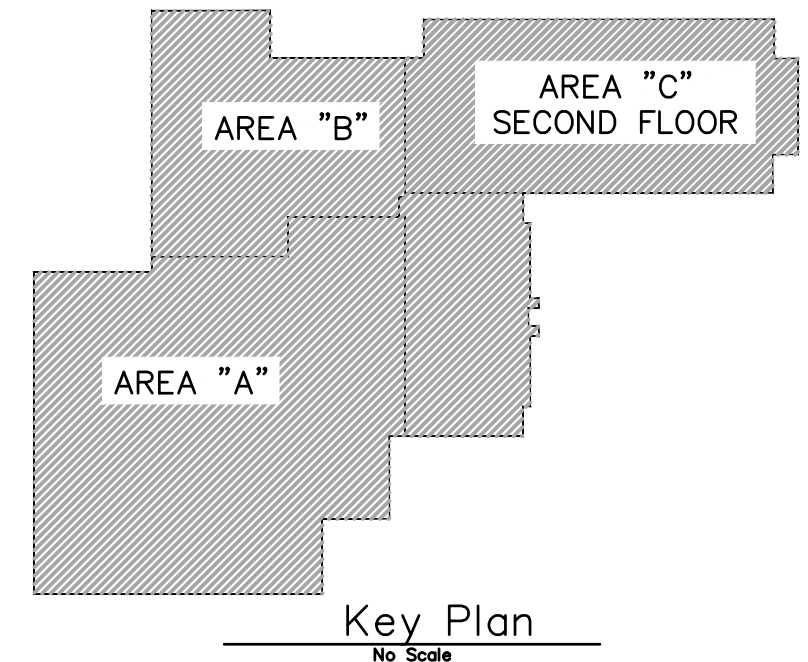
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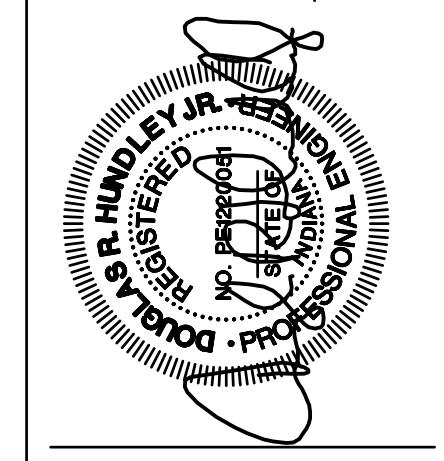
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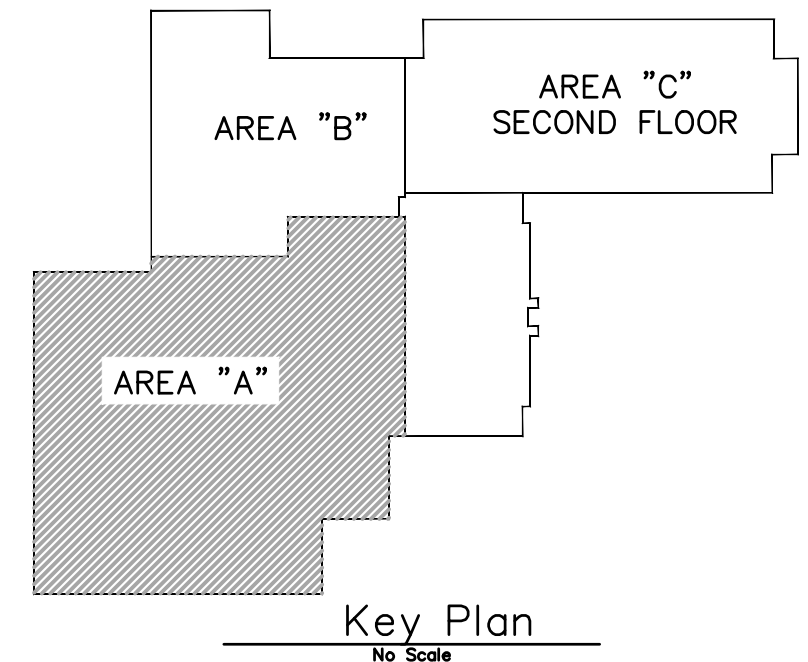
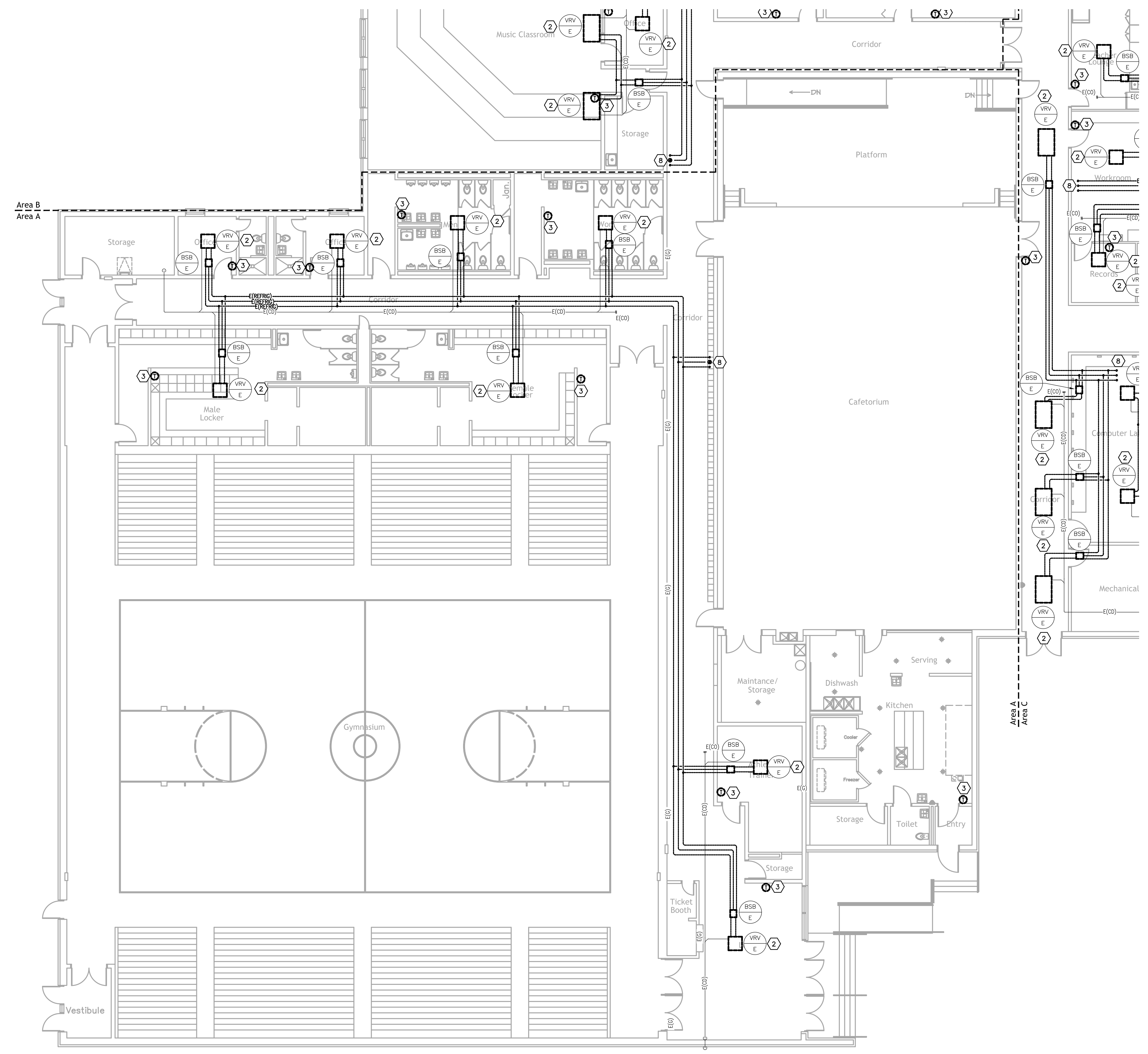
Mechanical Plan - Roof - Demolition
Scale: 3/32" = 1'0"





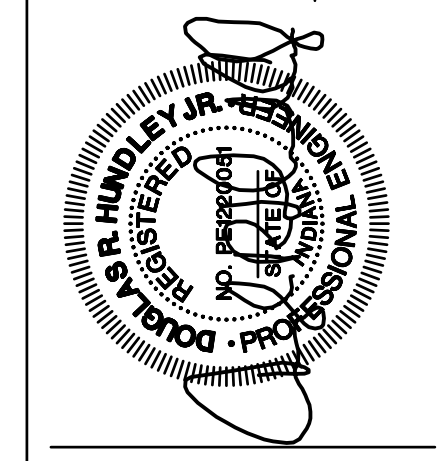
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 - B. PATCH HOLES IN WALLS, FLOORS, CEILING, ROOFS, ETC. TO MATCH ADJACENT SURFACES AS A RESULT OF MECHANICAL SYSTEMS PATCH SHALL BE PERFORMED BY QUALIFIED TRADESMAN. PAINT ALL WALLS FROM CORNER TO CORNER TO MATCH ADJACENT CONDITIONS.
 - C. WHERE WORK IS REQUIRED ABOVE EXISTING CEILING AND/OR OUTSIDE OF WORKSCOPE AREA, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CUT, PATCH, REPAIR, AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES, HARD CEILING, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THIS CONTRACTOR'S EXPENSE.
 - D. MECHANICAL CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER MECHANICAL EQUIPMENT DEMOLITION.
 - E. MECHANICAL CONTRACTOR SHALL DISPOSE OF DEMOLISHED MECHANICAL EQUIPMENT AND COORDINATE WITH THE CONSTRUCTION MANAGER.
 - F. PRIOR TO START OF DEMOLITION WORK, MECHANICAL CONTRACTOR SHALL VERIFY WITH ELECTRICAL CONTRACTOR THAT POWER FEEDS AND CONTROL WIRING HAVE BEEN DISCONNECTED AND LOCKED OUT FROM MECHANICAL EQUIPMENT WHICH IS TO BE REMOVED.
 - G. MECHANICAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK. WITHIN ALL AREAS OF WORK, ALL INSULATION MISSING OR DAMAGED SHALL BE REPAIRED OR REPLACED FOR ALL EXISTING SYSTEMS.
 - H. WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN AIRSIDE; FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW ISOLATIONS VALVES AT MAINS AS REQUIRED, OR EVERYWHERE NEW WORK TIES INTO EXISTING, AS A STANDARD FOR THE PROJECT. FIELD VERIFY EXACT EXTENT OF WORK PRIOR TO BID.
 - I. REMOVE ALL EXISTING ABANDONED PIPING ABOVE CEILING COMPLETELY INCLUDING ALL HANGERS, INSULATION, VALVES, ETC. CAP ALL AT MAINS AS REQUIRED.
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 - K. ALL EXISTING EQUIPMENT IS EXISTING TO REMAIN UNLESS NOTED. REFER TO CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION ABOUT ADDING AND MODIFYING EXISTING CONTROLS.

- TAG NOTES**
- 1. EXISTING DUCTWORK UP TO ROOFTOP UNIT, REFER TO ROOF PLAN FOR CONTINUATION.
 - 2. EXISTING VRF INDOOR SPLIT UNIT TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS, REFRIGERANT PIPING AND ELECTRICAL CONNECTIONS. ALL DUCTWORK AND CONDENSATE PIPING IS TO REMAIN AND BE REUSED.
 - 3. EXISTING THERMOSTAT TO BE REMOVED AND REPLACED. PROVIDE BRUSHED STAINLESS STEEL PLATE TO COVER EXISTING WALL OPENING.
 - 4. EXISTING EXHAUST FAN AND ELECTRIC HEATER SERVING BATHROOMS ARE TO BE REMOVED COMPLETELY. REMOVE DUCTWORK AS INDICATED TO RISER AT ROOF AND LOUVER AND CAP WITH INSULATED PANEL.
 - 5. EXISTING ROOFTOP UNIT TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS AND ELECTRICAL. THE EXISTING DUCTWORK, ROOF CURB, CONDENSATE PIPING AND GAS PIPING ARE TO REMAIN AND BE RECONNECTED TO NEW UNIT.
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 - 8. REFRIGERANT PIPING UP TO ROOF, REFER TO ROOF PLAN FOR CONTINUATION.
 - 9. EXISTING TEMPERATURE CONTROL PANEL TO BE REMOVED.
 - 10. INSTALL NEW VRF INDOOR UNIT AND RECONNECT TO EXISTING CONDENSATE PIPING AND DUCTWORK AS REQUIRED.
 - 11. PROVIDE AND INSTALL NEW THERMOSTAT, REFER TO CONTROL SPECIFICATIONS.
 - 12. PROVIDE NEW CONTROLS ON EXISTING EXHAUST FAN, REFER TO CONTROL SPECIFICATIONS.
 - 13. PROVIDE NEW CONTROLS ON EXISTING UNIT HEATERS, REFER TO CONTROL SPECIFICATIONS.
 - 14. PROVIDE NEW DAMPER IN DUCT.
 - 15. PROVIDE OCCUPANCY SENSOR IN CEILING, REFER TO CONTROL SPECIFICATIONS.
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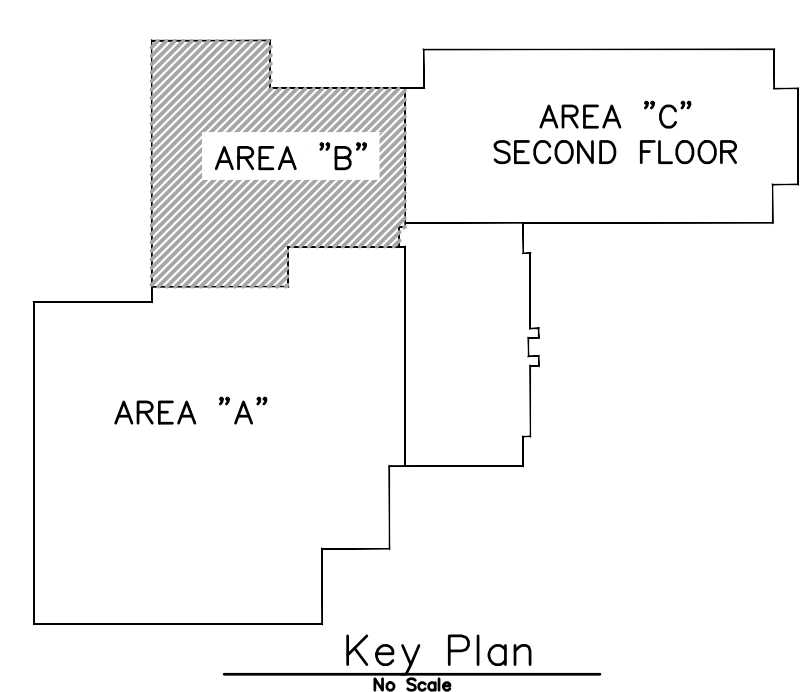
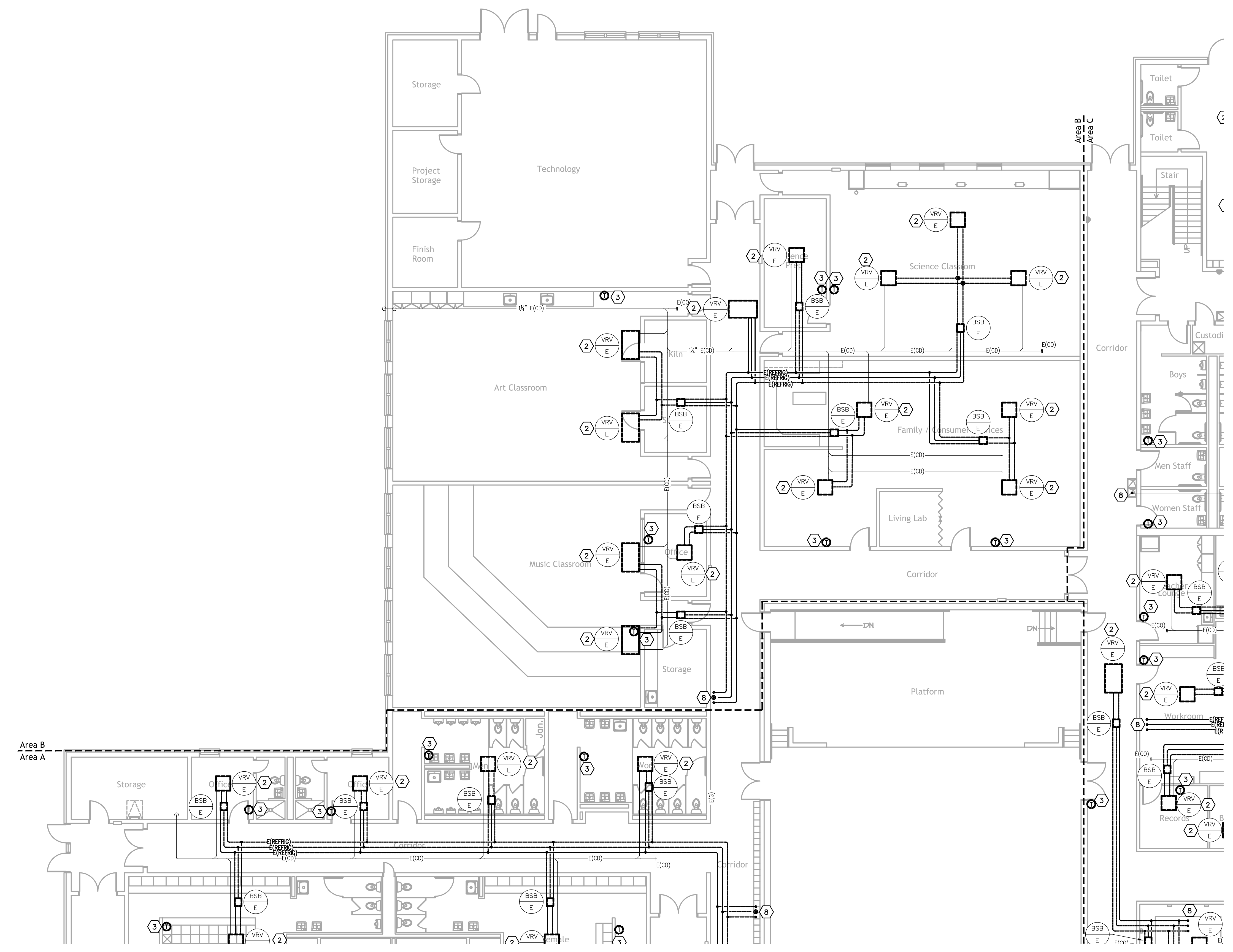
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Hydronics - First Floor - Area A - Demolition
Scale: 1/8" = 1'-0"



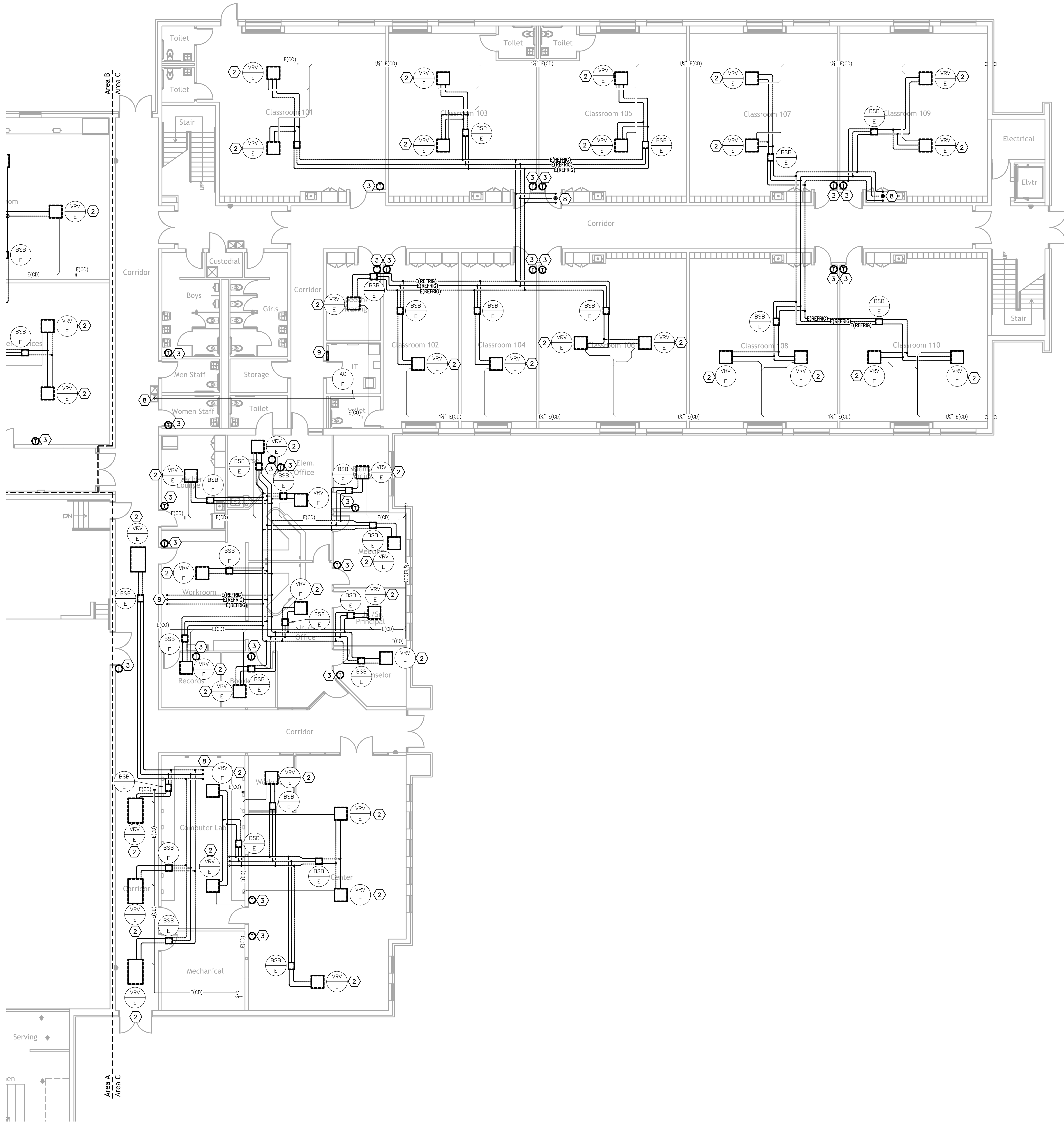
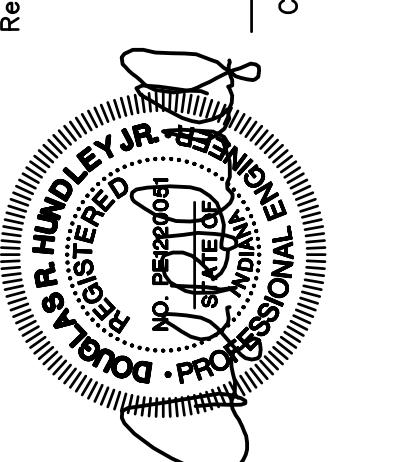
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 - PROVIDE NEW DAMPER IN DUCT.
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Hydronics - First Floor - Area B - Demolition
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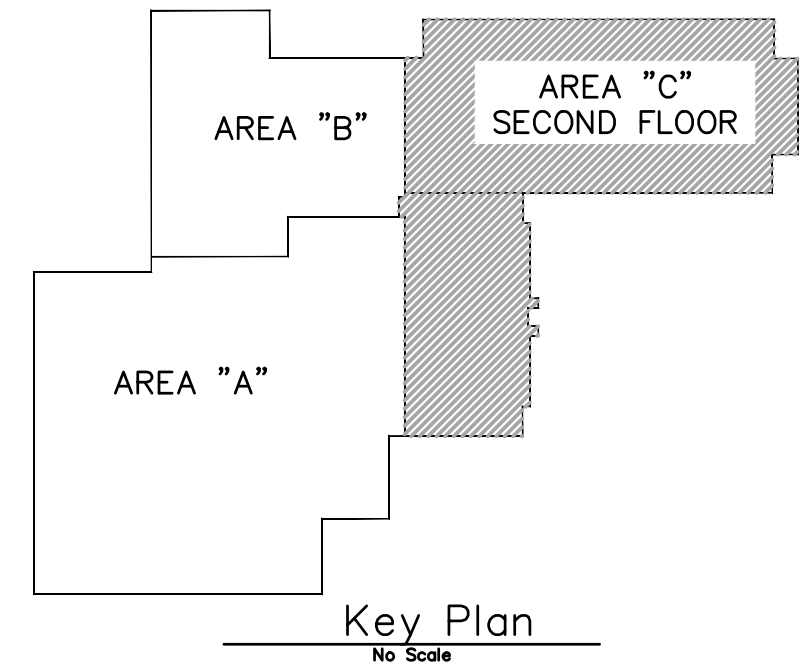
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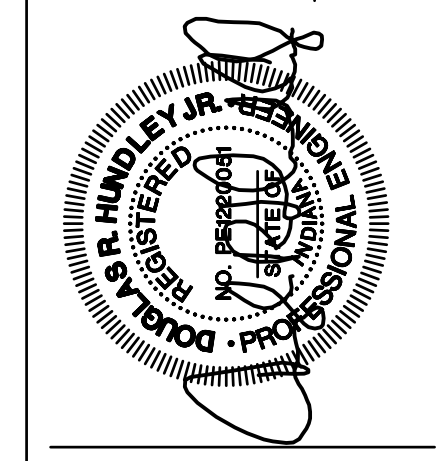
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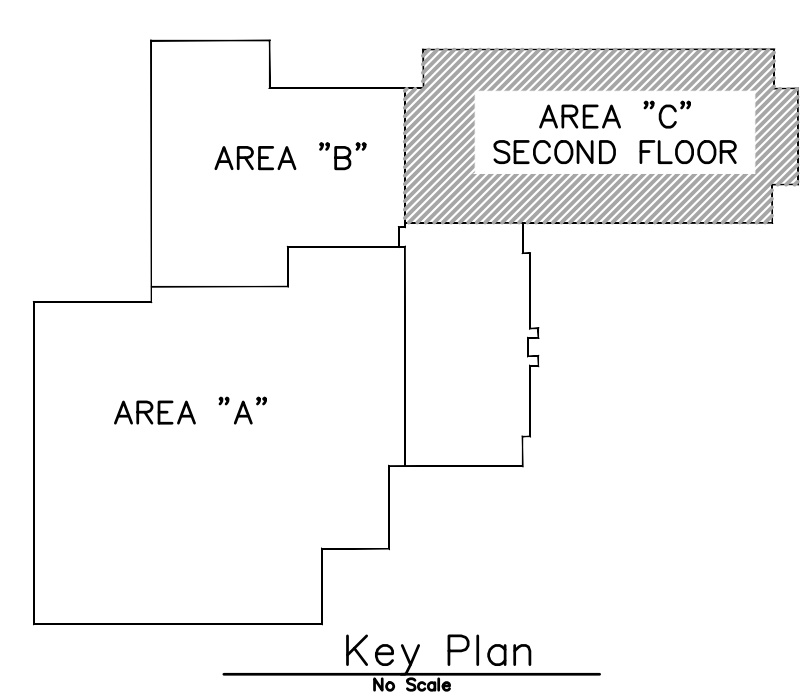
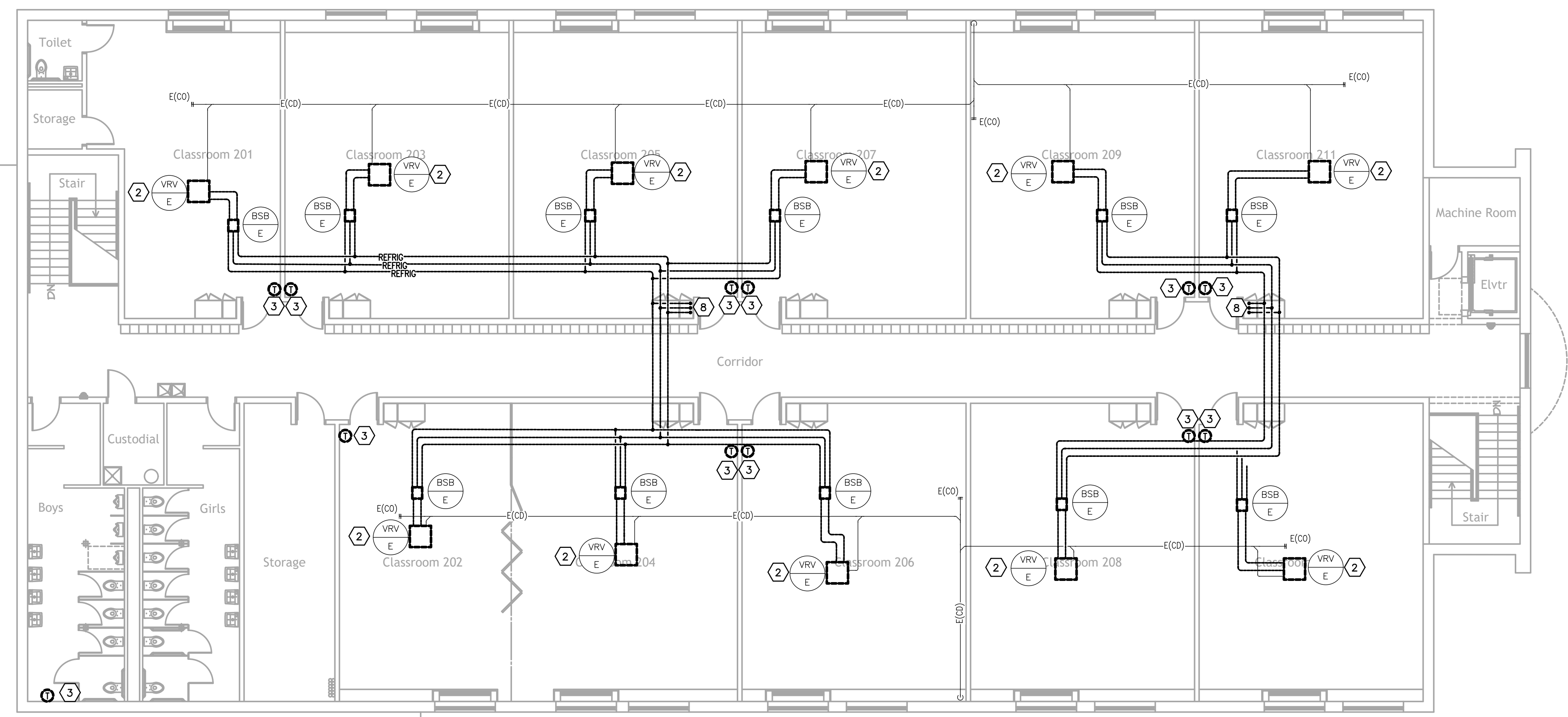
Hydronics - First Floor - Area C - Demolition
Scale: 1/8" = 1'-0"





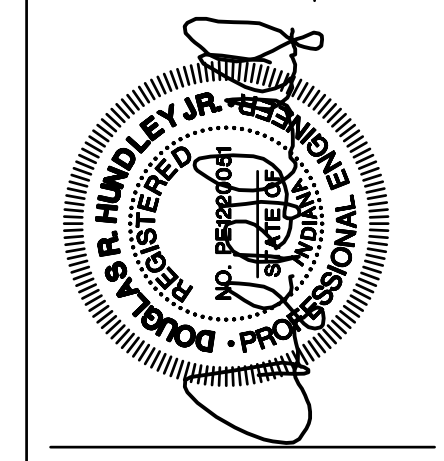
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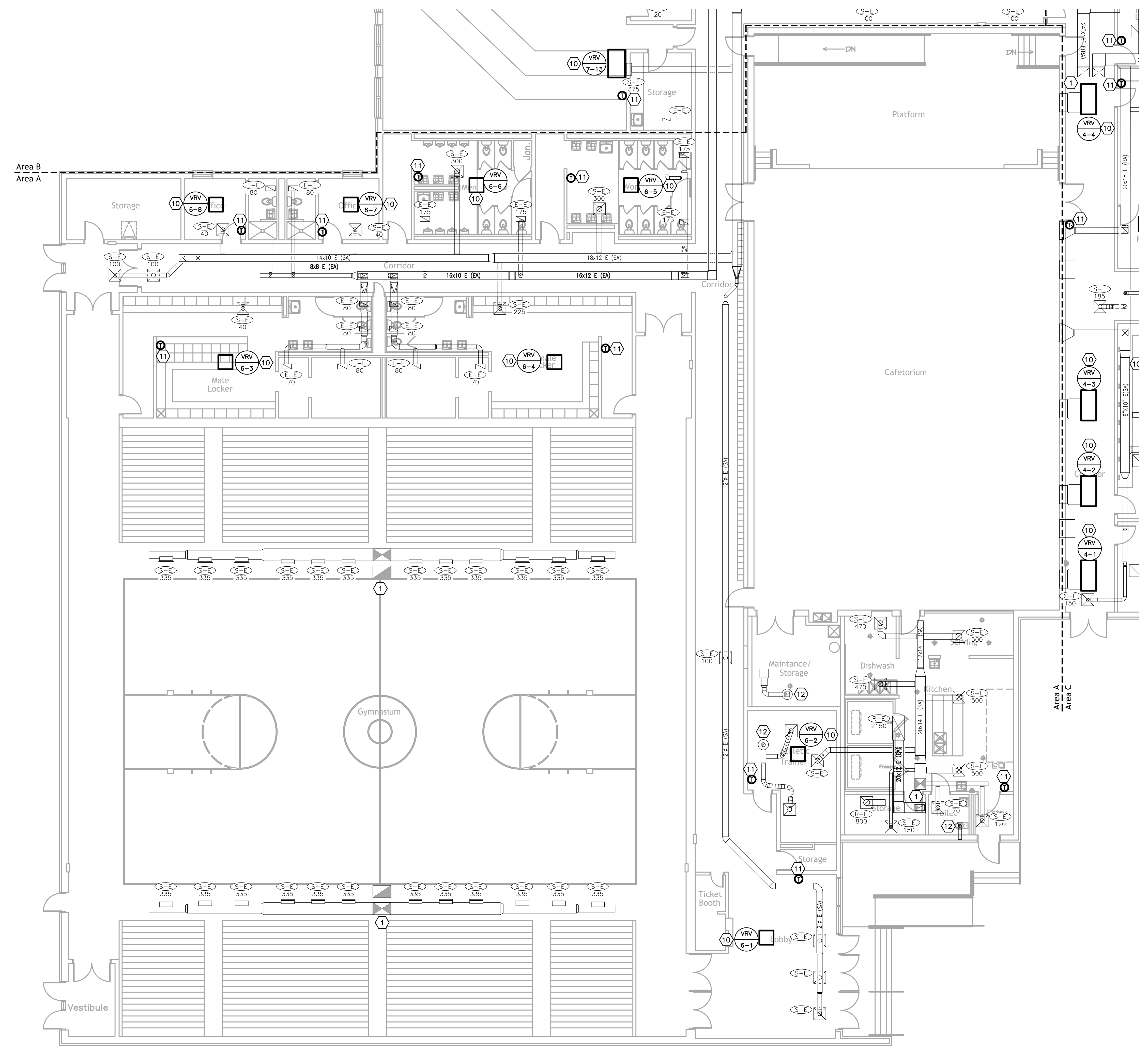
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- GENERAL NOTES:**
- WHERE EXISTING THERMOSTATS ARE BEING REPLACED, PROVIDE A STAINLESS STEEL COVER PLATE OVER EXISTING WALL OPENING AS REQUIRED. INSTALL NEW THERMOSTAT ON PLATE.
 - REBALANCE ALL EXISTING SUPPLY, RETURN, AND EXHAUST GRILLES TO EXISTING AIRFLOW AS REQUIRED. PROVIDE AND INSTALL NEW VOLUME DAMPERS AND IMMOFFS.
 - REFER TO ARCHITECTURAL PLANS FOR NOTES ABOUT CEILING REMOVAL AND REINSTALLATION.
 - REFER TO EQUIPMENT SPECIFICATION FOR VRF REFRIGERANT PIPING AND ELECTRICAL DIAGRAM.

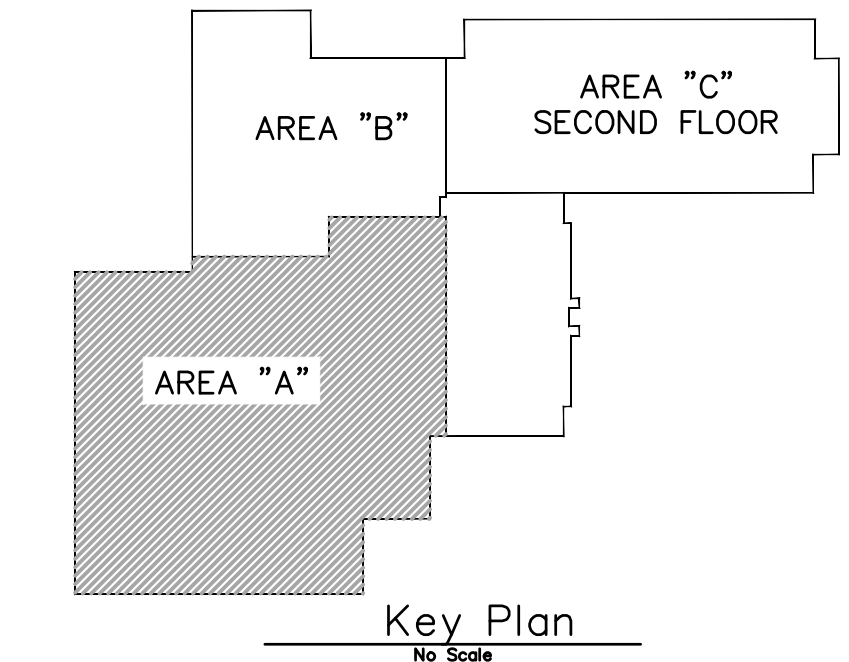
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 - INSTALL NEW VRF INDOOR UNIT AND RECONNECT TO EXISTING CONDENSATE PIPING AND DUCTWORK AS REQUIRED.
 - PROVIDE NEW CONTROLS ON EXISTING EXHAUST FAN, REFER TO CONTROL SPECIFICATIONS.
 - PROVIDE NEW CONTROLS ON EXISTING UNIT HEATERS, REFER TO CONTROL SPECIFICATIONS.
 - PROVIDE NEW DAMPER IN DUCT.
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 - INSTALL ROOFTOP ON EXISTING CURB, PROVIDE NEW CURB ADAPTER AS REQUIRED. RECONNECT TO EXISTING DUCTWORK, CONDENSATE PIPING AND GAS PIPING AS REQUIRED.
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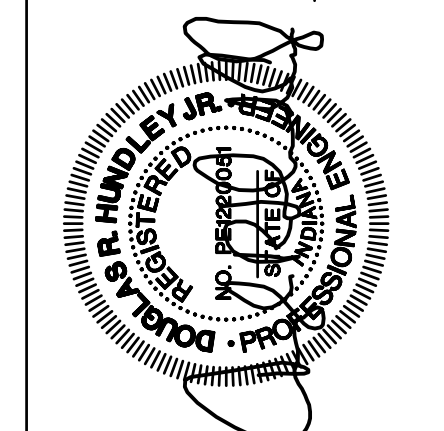


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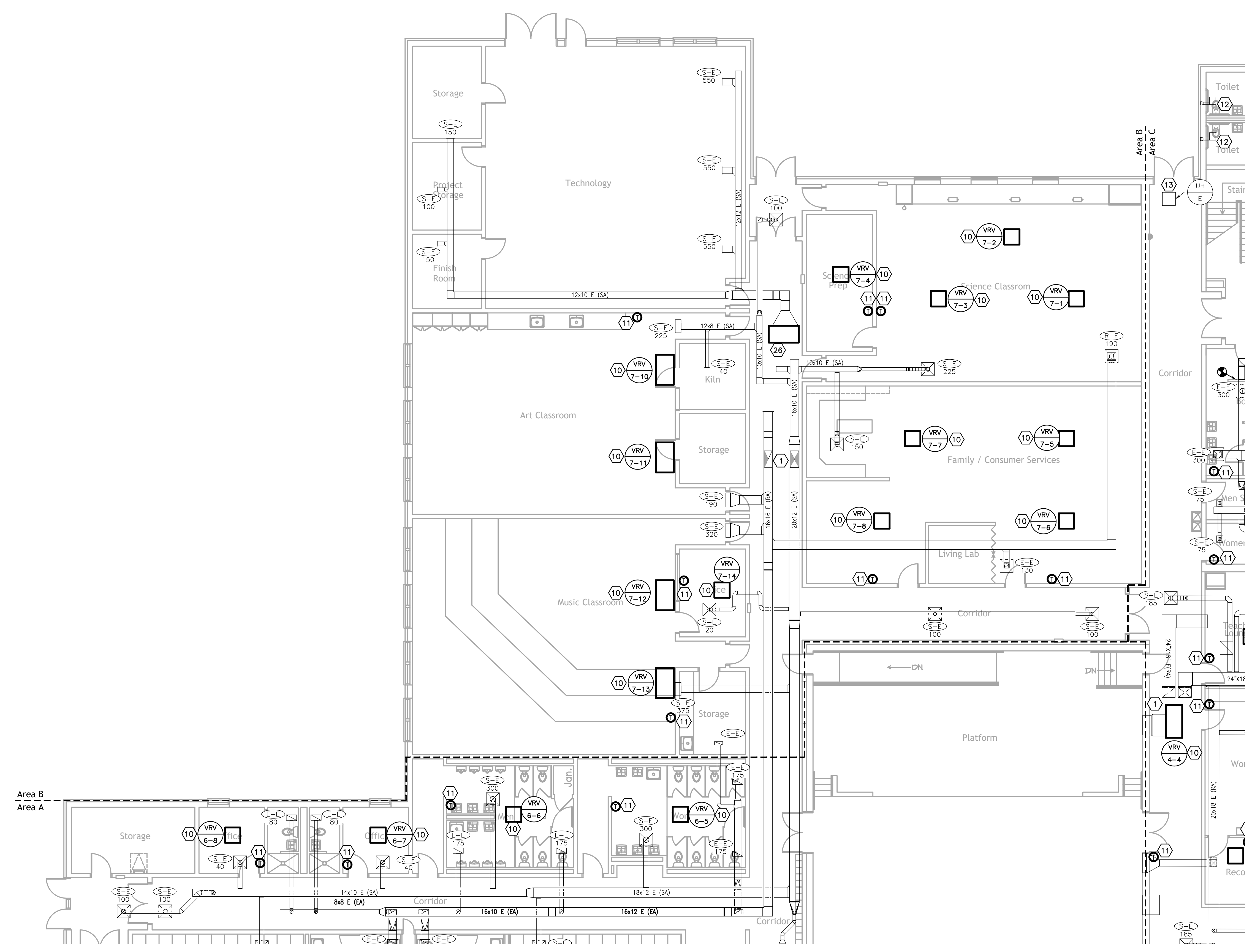
Air Distribution Plan - First Floor - Area A - New Work
Scale: 1/8" = 1'-0"





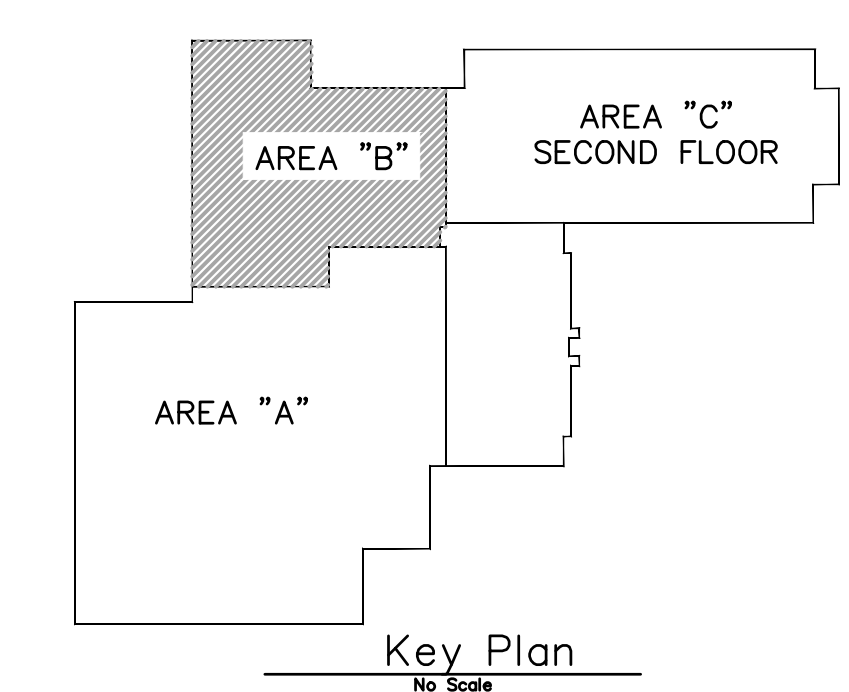
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 - REBALANCE ALL EXISTING SUPPLY, RETURN, AND EXHAUST GRILLES TO EXISTING AIRFLOW AS REQUIRED. PROVIDE AND INSTALL NEW VOLUME DAMPERS AND THROTTLES.
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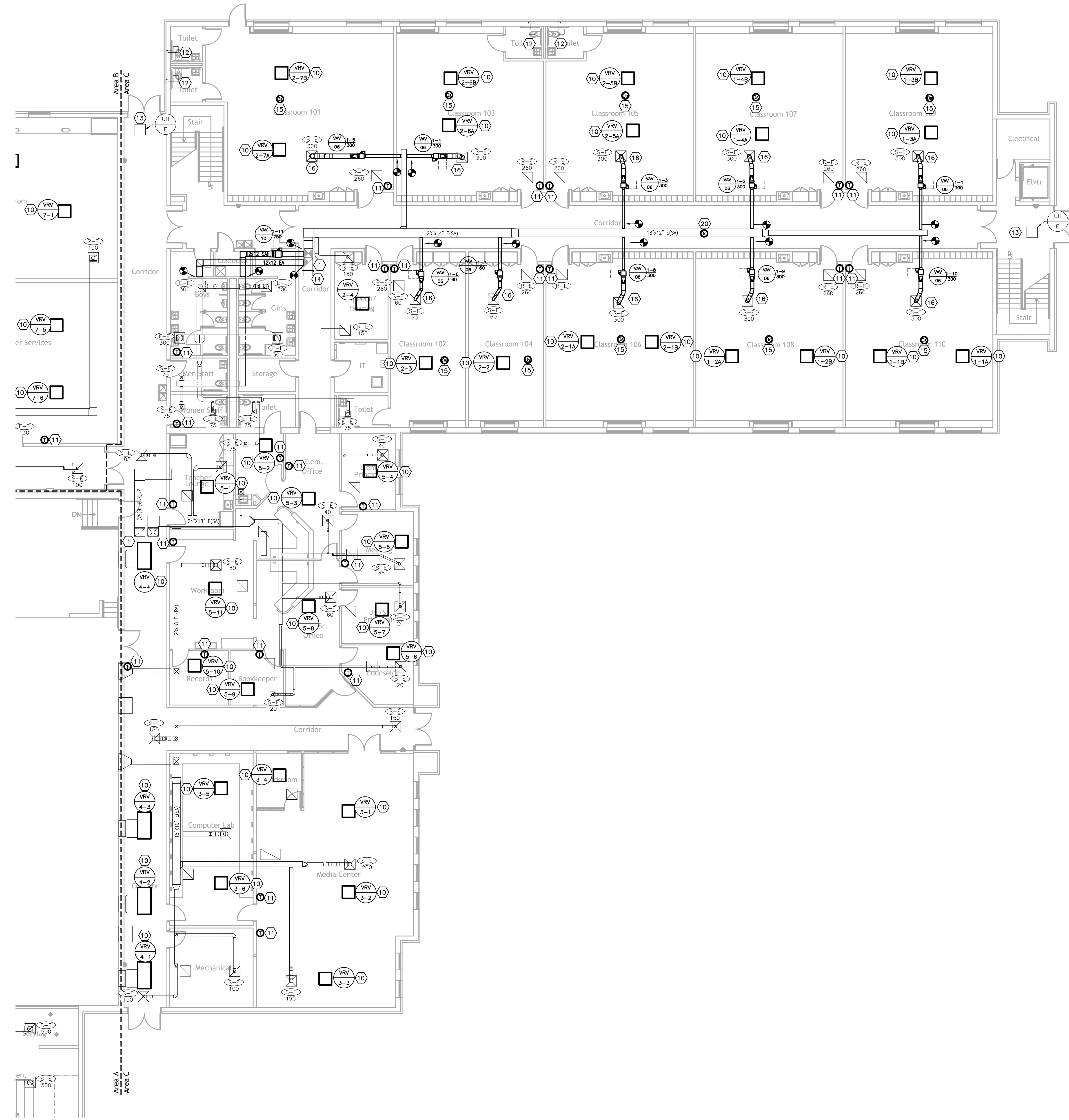
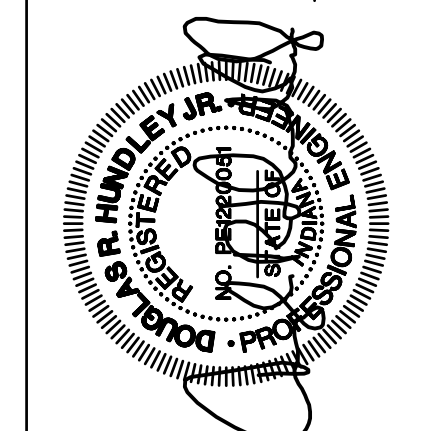
Air Distribution Plan - First Floor - Area B - New Work

Scale: 1/8" = 1'-0"



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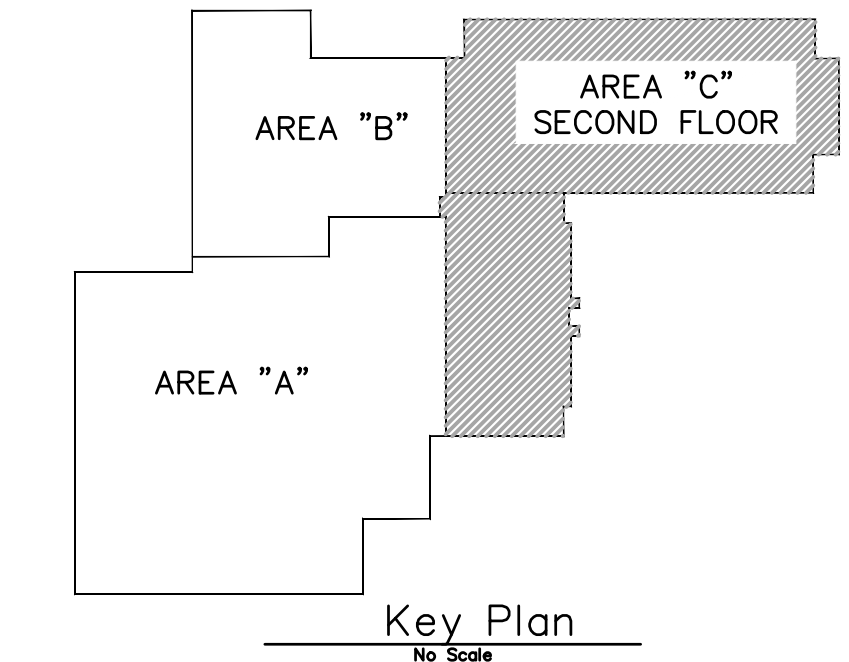
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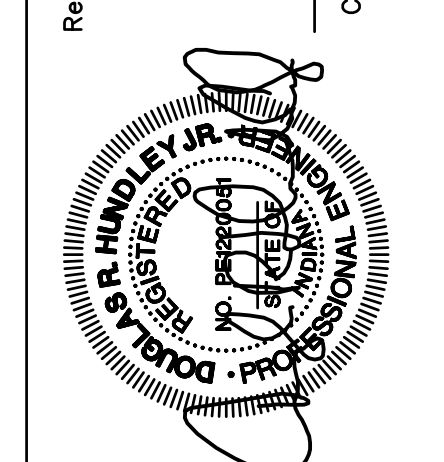
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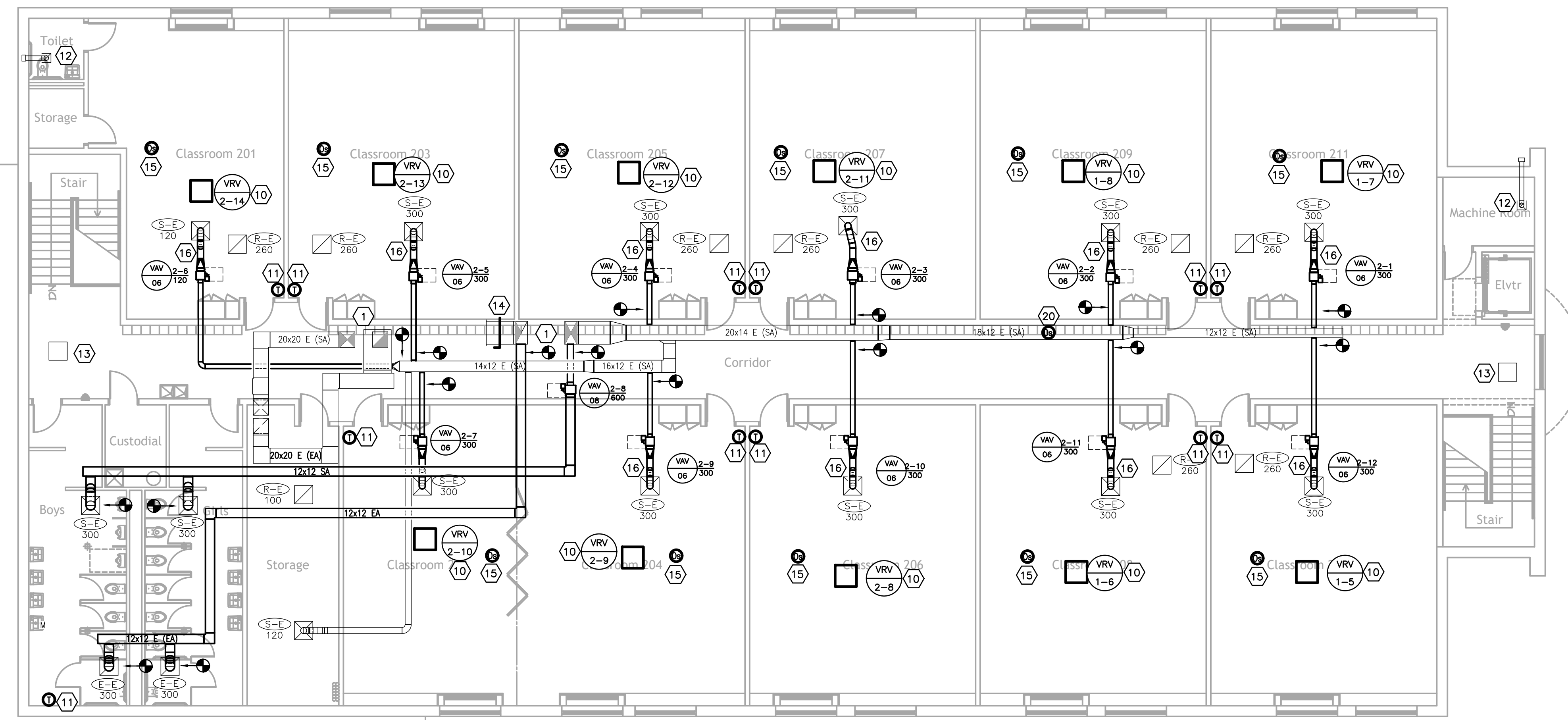
Air Distribution Plan - First Floor - Area C - New Work
Scale: 1/8" = 1'-0"





- GENERAL NOTES:**
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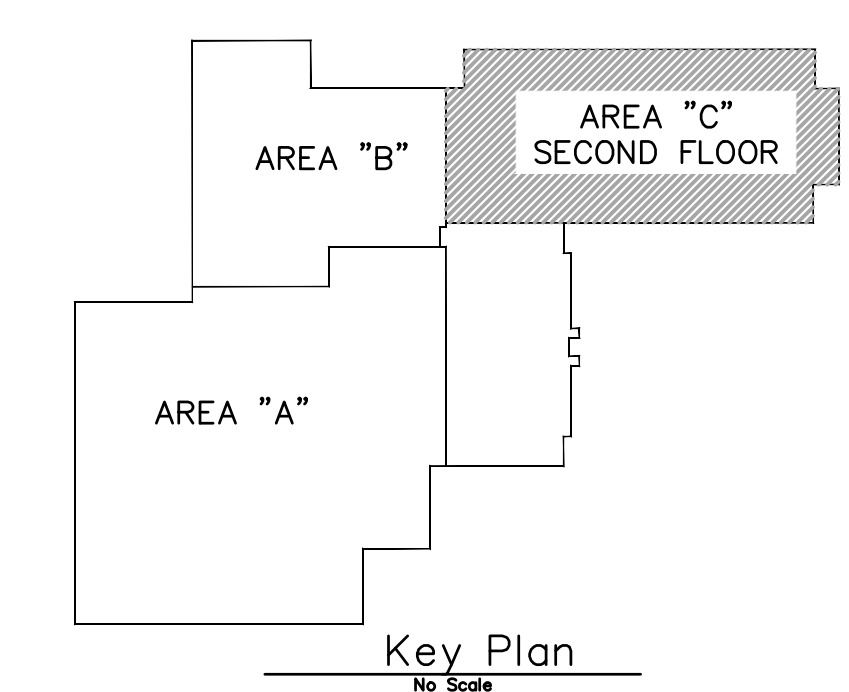


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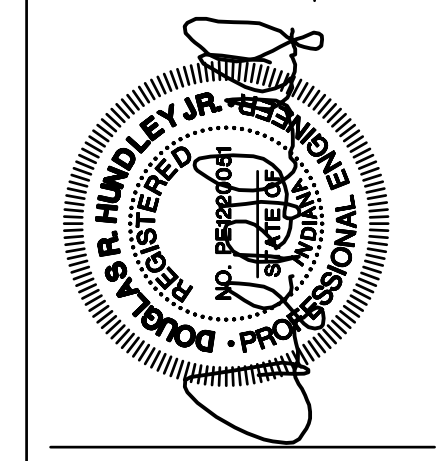
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Air Distribution Plan - Second Floor - New Work

Scale: 1/8" = 1'-0"

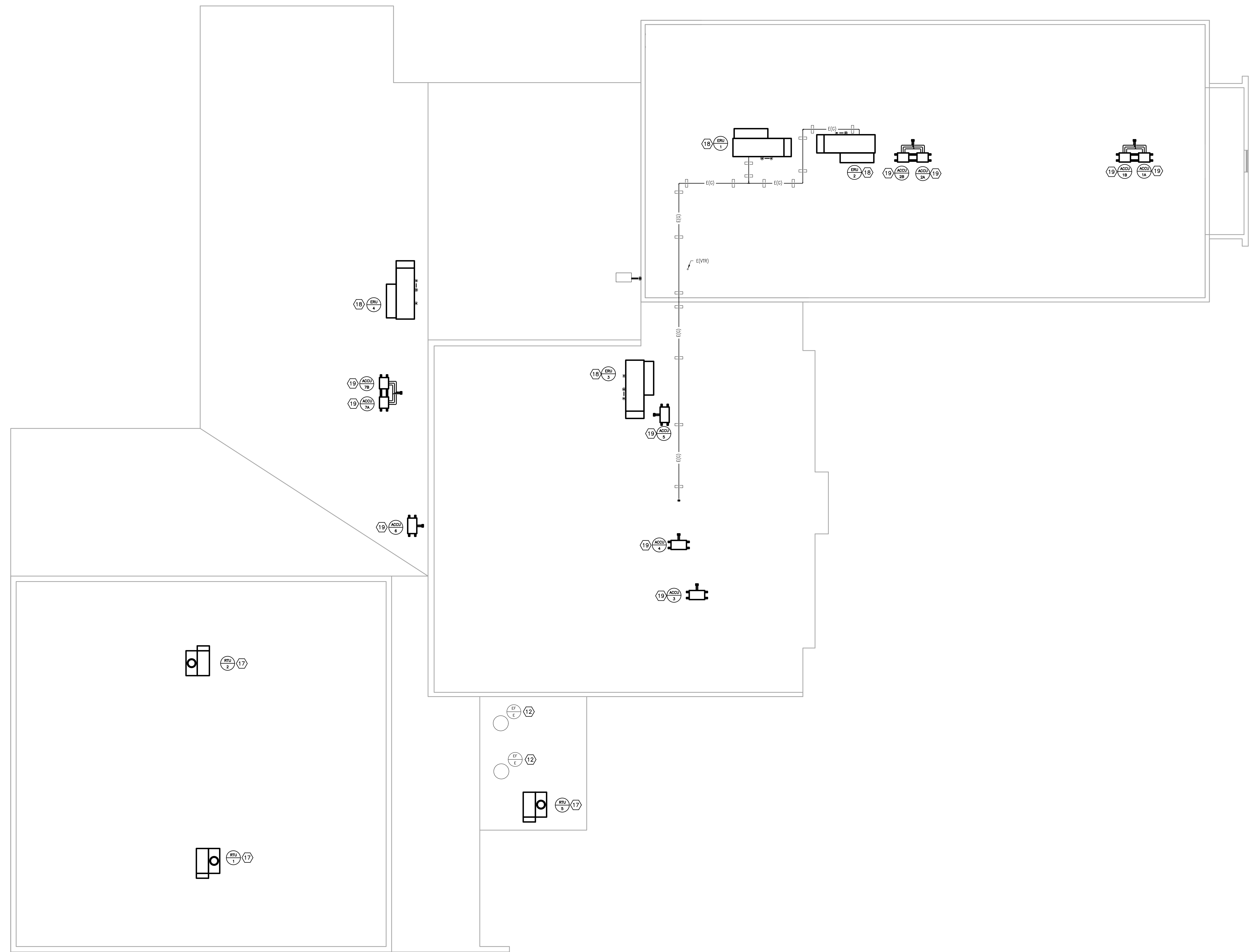


Key Plan
No Scale



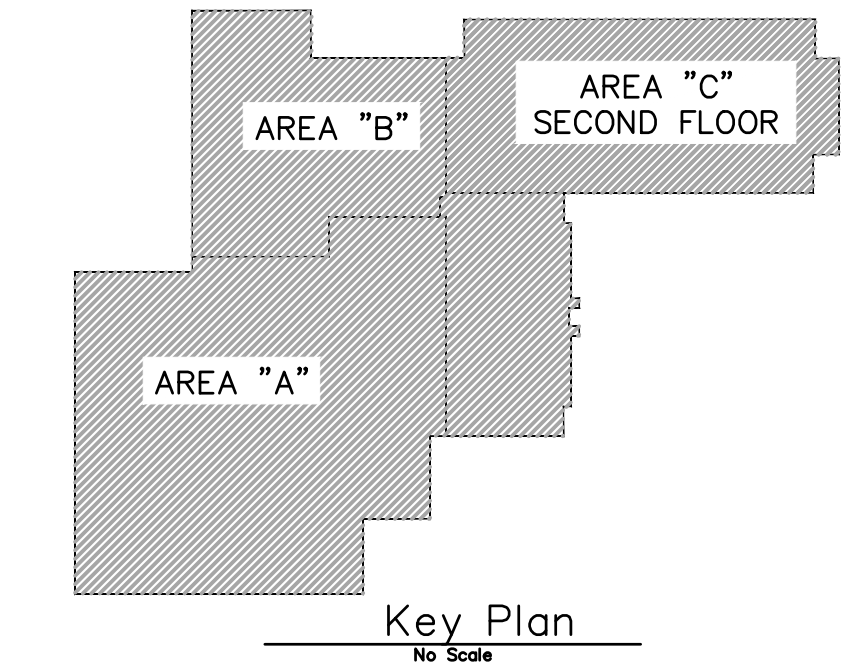
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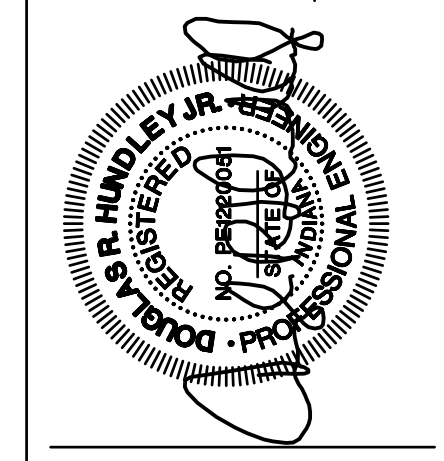
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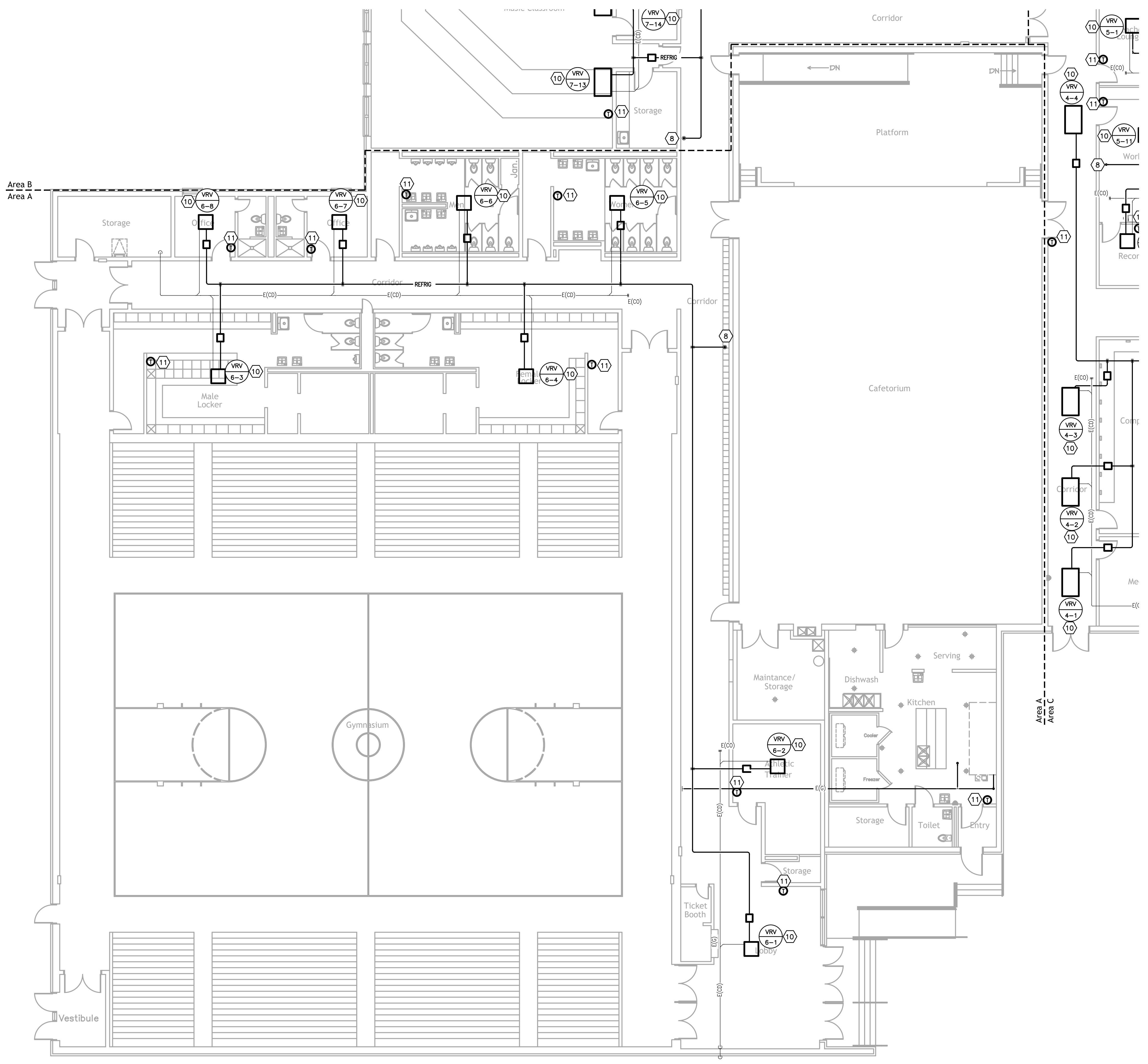
Mechanical Plan - Roof - New Work
Scale: 3/32" = 1'0"





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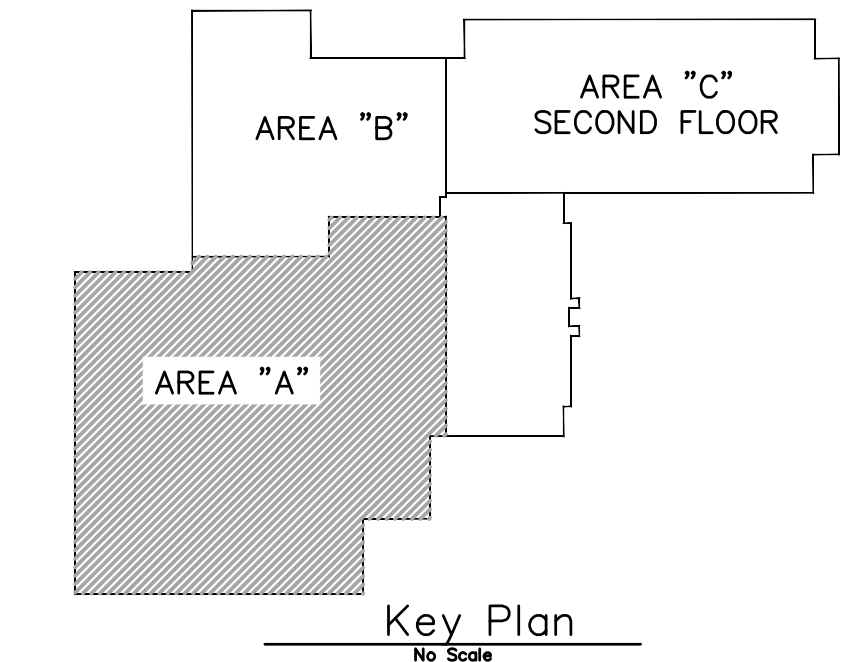
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 - PROVIDE AND INSTALL NEW DUCT PRESSURE SENSOR, REFER TO CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.

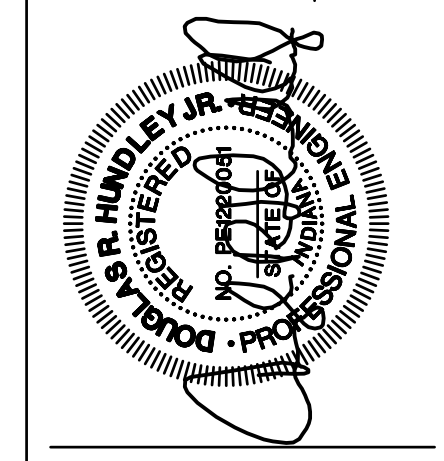


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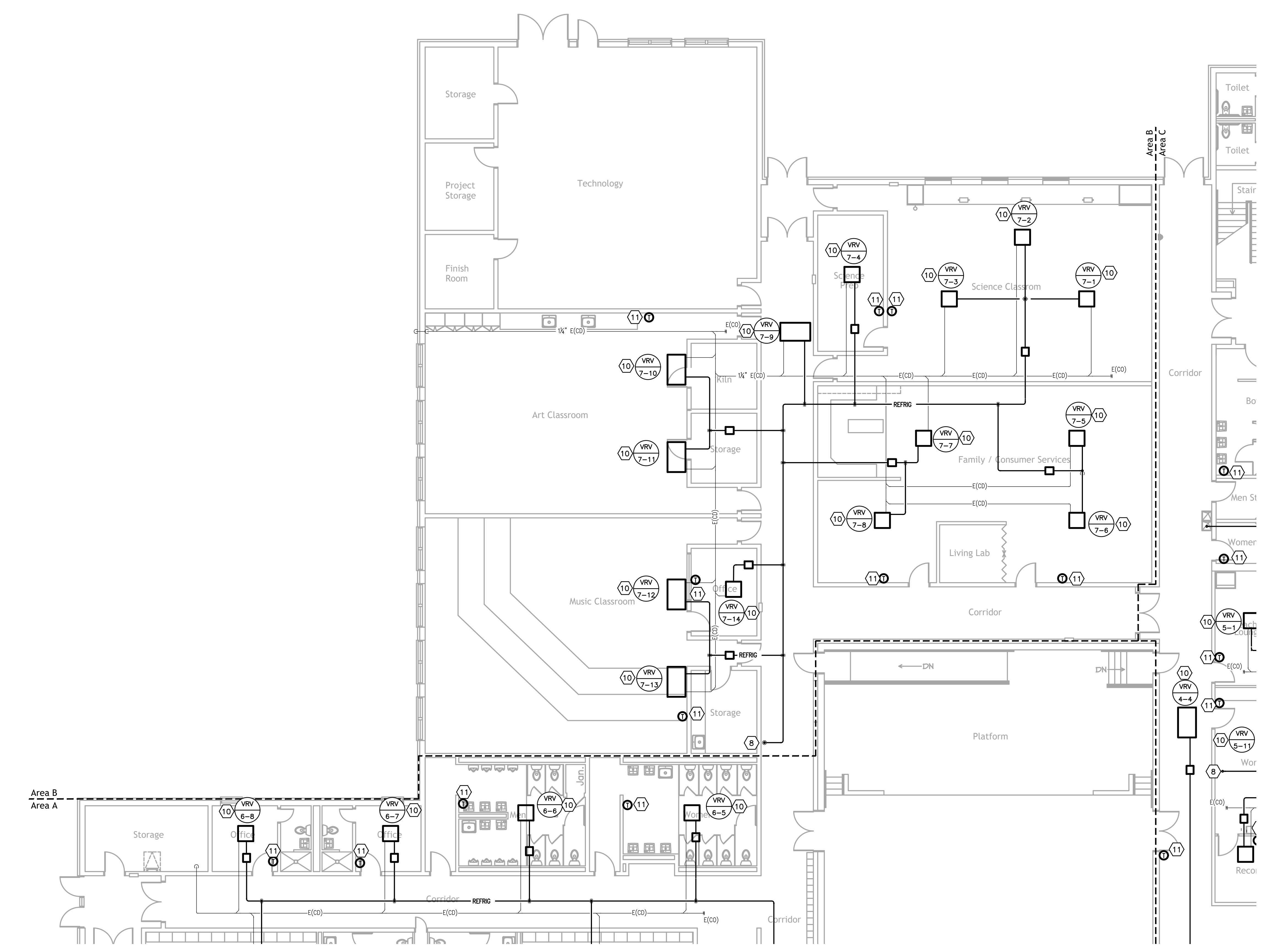
Hydronics - First Floor - Area A - New Work
Scale: 1/8" = 1'-0"





- GENERAL NOTES:**
- WHERE EXISTING THERMOSTATS ARE BEING REPLACED, PROVIDE A STAINLESS STEEL COVER PLATE OVER EXISTING WALL OPENING AS REQUIRED. INSTALL NEW THERMOSTAT ON PLATE.
 - REBALANCE ALL EXISTING SUPPLY, RETURN, AND EXHAUST GRILLES TO EXISTING AIRFLOW AS REQUIRED. PROVIDE AND INSTALL NEW VOLUME DAMPERS AND THROTTLES.
 - REFER TO ARCHITECTURAL PLANS FOR NOTES ABOUT CEILING REMOVAL AND REINSTALLATION.
 - REFER TO EQUIPMENT SPECIFICATION FOR VRF REFRIGERANT PIPING AND ELECTRICAL DIAGRAM.

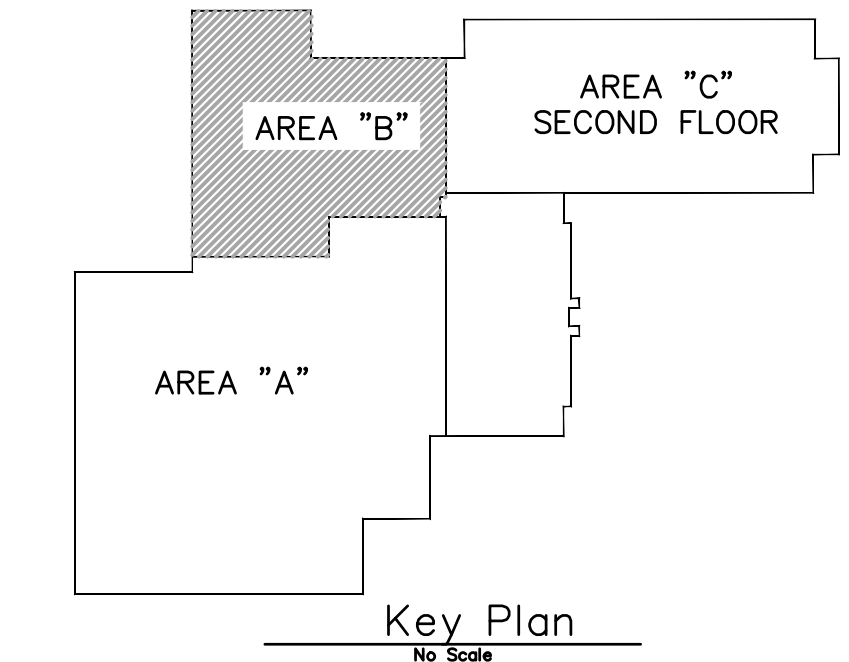
- TAG NOTES:**
- EXISTING DUCTWORK UP TO ROOFTOP UNIT, REFER TO ROOF PLAN FOR CONTINUATION.
 - EXISTING VRF INDOOR SPLIT UNIT TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS, REFRIGERANT PIPING AND ELECTRICAL CONNECTIONS. ALL DUCTWORK AND CONDENSATE PIPING IS TO REMAIN AND BE REUSED.
 - EXISTING THERMOSTAT TO BE REMOVED AND REPLACED. PROVIDE BRUSHED STAINLESS STEEL PLATE TO COVER EXISTING WALL OPENING.
 - EXISTING EXHAUST FAN AND ELECTRIC HEATER SERVING BATHROOMS ARE TO BE REMOVED COMPLETELY. REMOVE DUCTWORK AS INDICATED TO RISER AT ROOF AND LOUVER AND CAP WITH INSULATED PANEL.
 - EXISTING ROOFTOP UNIT TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS AND ELECTRICAL. THE EXISTING DUCTWORK, ROOF CURB, CONDENSATE PIPING AND GAS PIPING ARE TO REMAIN AND BE RECONNECTED TO NEW UNIT.
 - EXISTING ENERGY RECOVERY UNIT TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS AND ELECTRICAL. THE EXISTING DUCTWORK, ROOF CURB, CONDENSATE PIPING AND GAS PIPING ARE TO REMAIN AND BE RECONNECTED TO NEW UNIT.
 - EXISTING HEAT PUMP UNIT IS TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS, REFRIGERANT PIPING AND ELECTRICAL. THE EXISTING CURB AND PIPING PENETRATION IS TO REMAIN AND BE REUSED.
 - REFRIGERANT PIPING UP TO ROOF, REFER TO ROOF PLAN FOR CONTINUATION.
 - EXISTING TEMPERATURE CONTROL PANEL TO BE REMOVED.
 - INSTALL NEW VRF INDOOR UNIT AND RECONNECT TO EXISTING CONDENSATE PIPING AND DUCTWORK AS REQUIRED.
 - PROVIDE AND INSTALL NEW THERMOSTAT, REFER TO CONTROL SPECIFICATIONS.
 - PROVIDE NEW CONTROLS ON EXISTING EXHAUST FAN, REFER TO CONTROL SPECIFICATIONS.
 - PROVIDE NEW CONTROLS ON EXISTING UNIT HEATERS, REFER TO CONTROL SPECIFICATIONS.
 - PROVIDE NEW DAMPER IN DUCT.
 - PROVIDE OCCUPANCY SENSOR IN CEILING, REFER TO CONTROL SPECIFICATIONS.
 - TRANSITION TO EXISTING DIFFUSER CONNECTION POINT AS REQUIRED.
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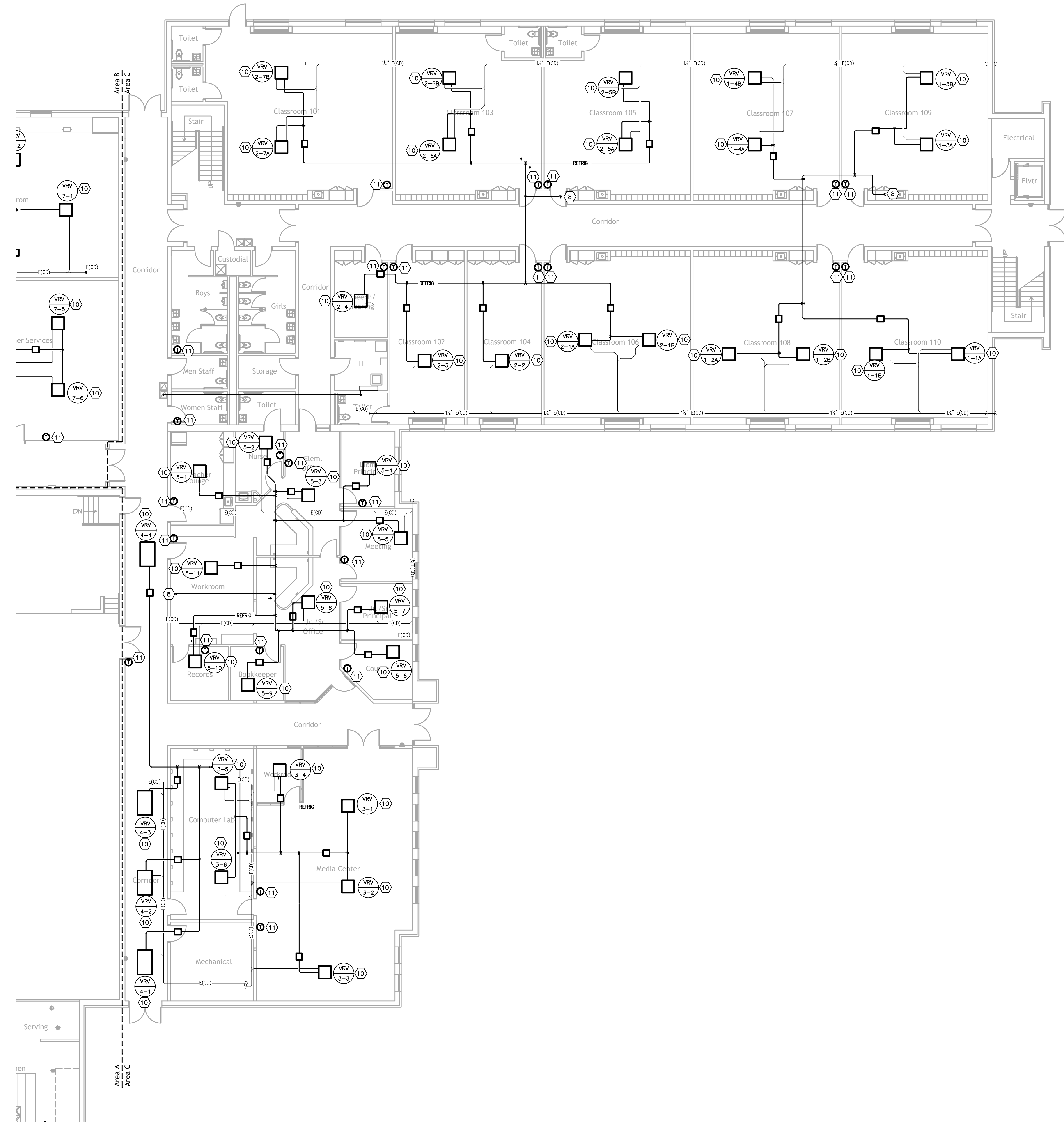
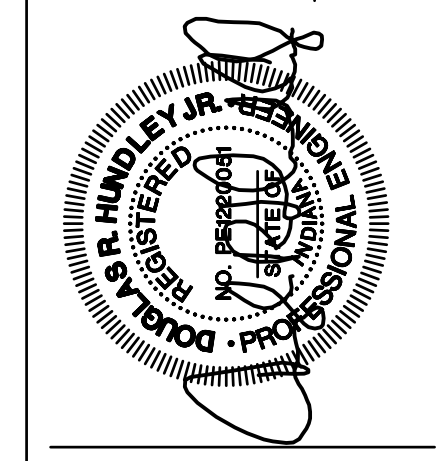


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Hydronics - First Floor - Area B - New Work
Scale: 1/8" = 1'-0"





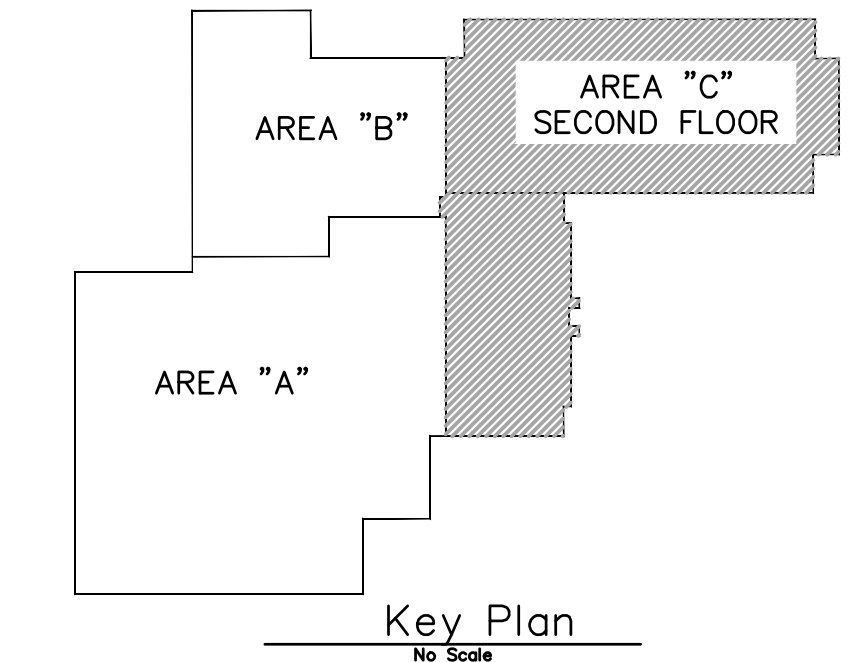
- GENERAL NOTES:**
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 - REBALANCE ALL EXISTING SUPPLY, RETURN, AND EXHAUST GRILLES TO EXISTING AIRFLOW AS REQUIRED. PROVIDE AND INSTALL NEW VOLUME DAMPERS AND THROTTLES.
 - REFER TO ARCHITECTURAL PLANS FOR NOTES ABOUT CEILING REMOVAL AND REINSTALLATION.
 - REFER TO EQUIPMENT SPECIFICATION FOR VRF REFRIGERANT PIPING AND ELECTRICAL DIAGRAM.

- TAG NOTES:**
- EXISTING DUCTWORK UP TO ROOFTOP UNIT, REFER TO ROOF PLAN FOR CONTINUATION.
 - EXISTING VRF INDOOR SPLIT UNIT TO BE REMOVED AND REPLACED INCLUDING ALL CONTROLS, REFRIGERANT PIPING AND ELECTRICAL CONNECTIONS, ALL DUCTWORK AND CONDENSATE PIPING IS TO REMAIN AND BE REUSED.
 - EXISTING THERMOSTAT TO BE REMOVED AND REPLACED. PROVIDE BRUSHED STAINLESS STEEL PLATE TO COVER EXISTING WALL OPENING.
 - EXISTING EXHAUST FAN AND ELECTRIC HEATER SERVING BATHROOMS ARE TO BE REMOVED COMPLETELY. REMOVE DUCTWORK AS INDICATED TO RISER AT ROOF AND LOUVER AND CAP WITH INSULATED PANEL.
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 - PROVIDE NEW CONTROLS ON EXISTING EXHAUST FAN, REFER TO CONTROL SPECIFICATIONS.
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 - PROVIDE NEW DAMPER IN DUCT.
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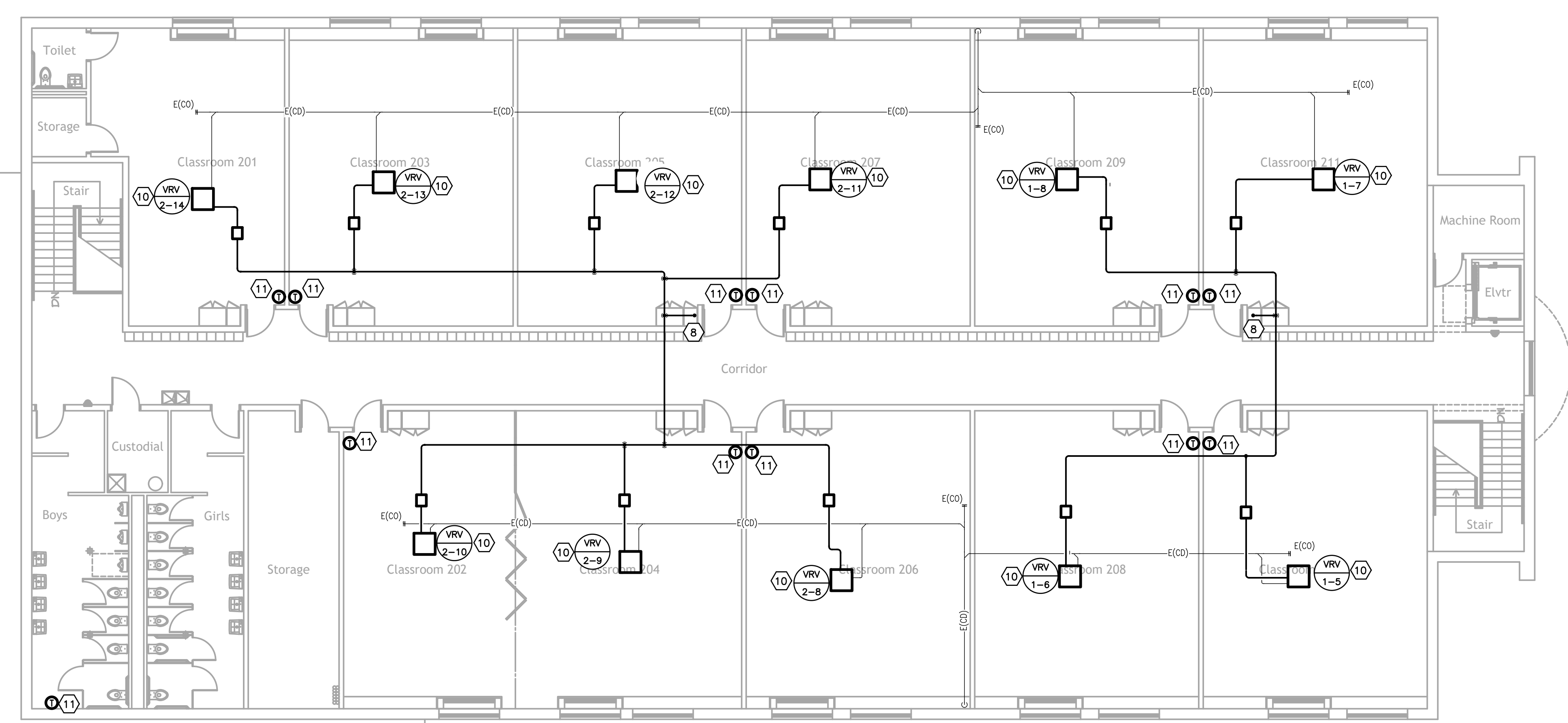
Hydronics - First Floor - Area C - New Work
Scale: 1/8" = 1'0"





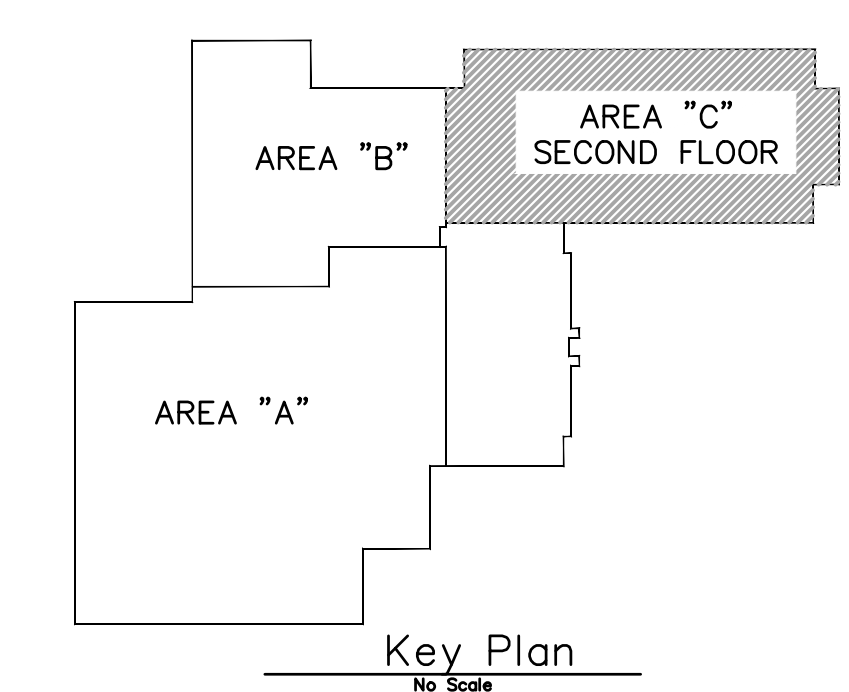
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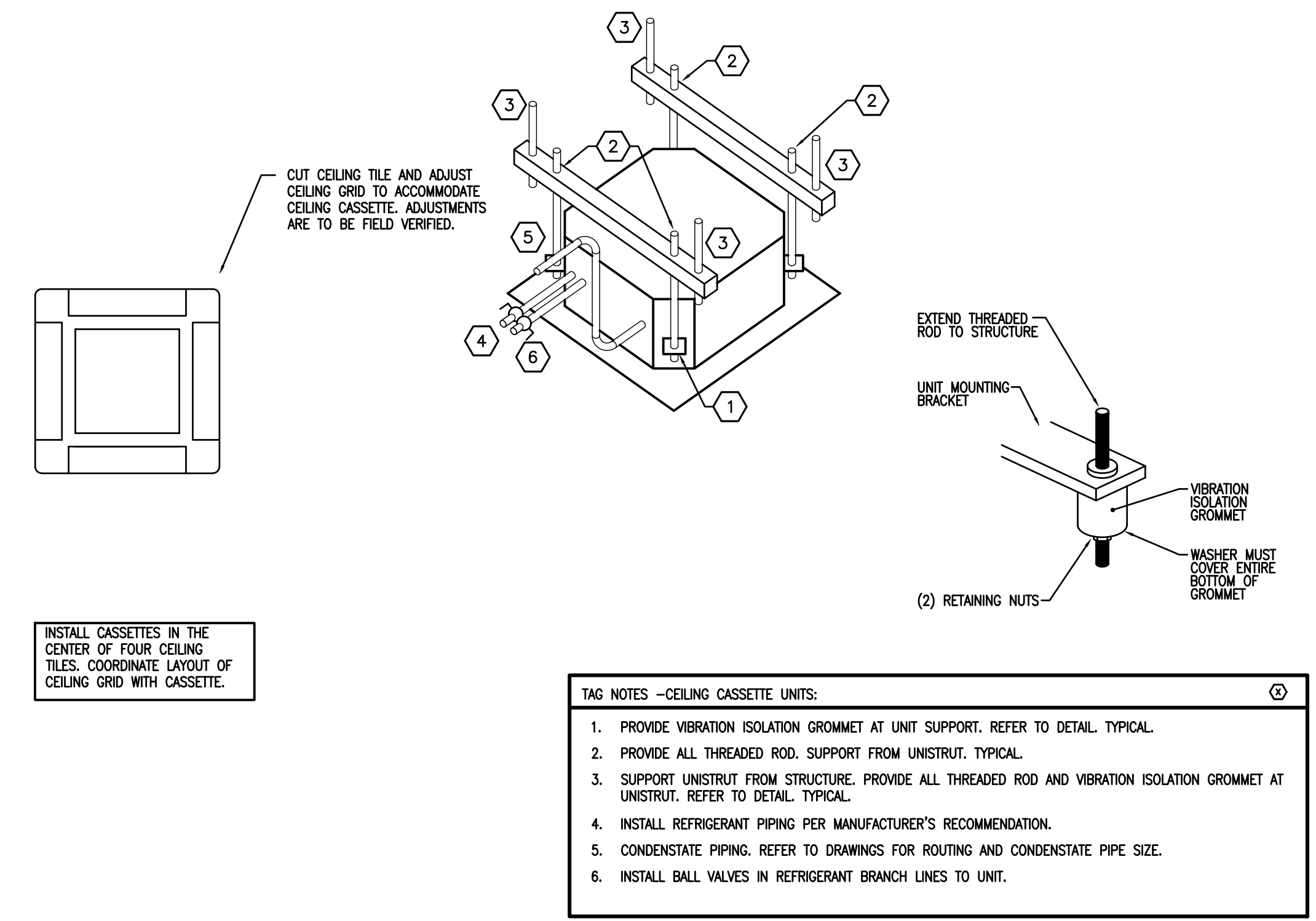
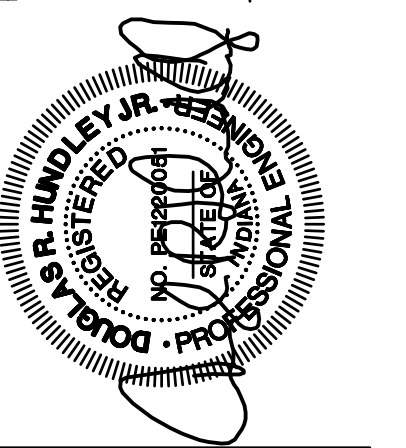
- TAG NOTES:**
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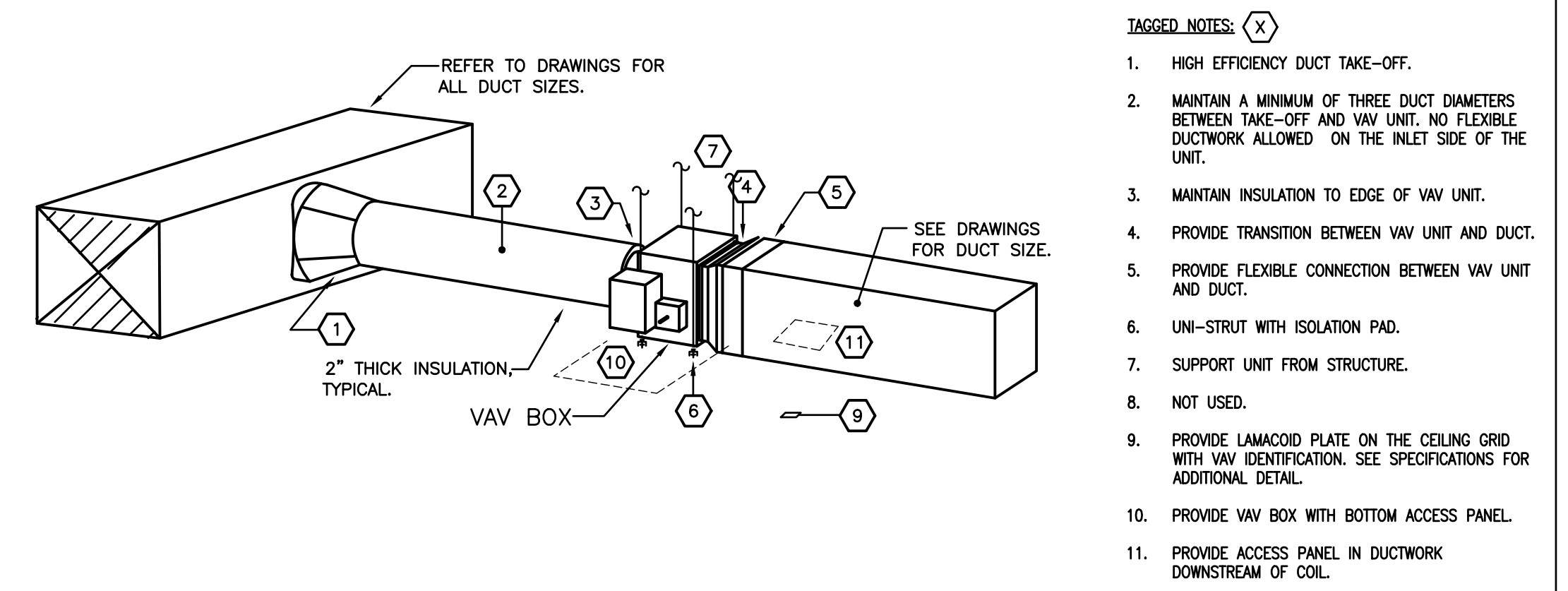
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Hydronics - Second Floor - New Work
Scale: 1/8" = 1'0"

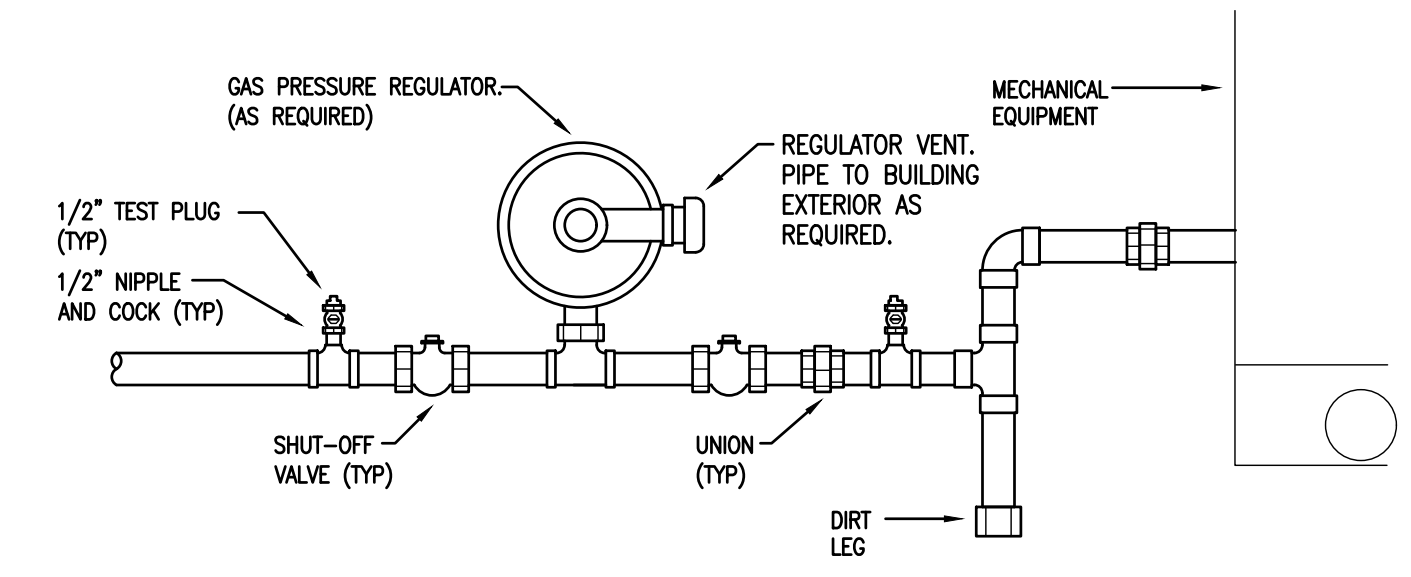




VRF SPLIT SYSTEM INDOOR UNIT INSTALLATION DETAIL
NOT TO SCALE

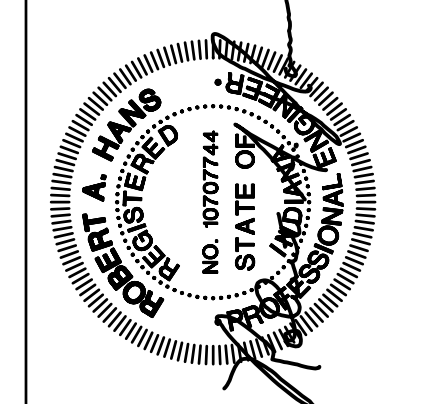


VAV BRANCH DUCT CONNECTION DETAIL
NOT TO SCALE



MECHANICAL EQUIPMENT GAS CONNECTION DETAIL

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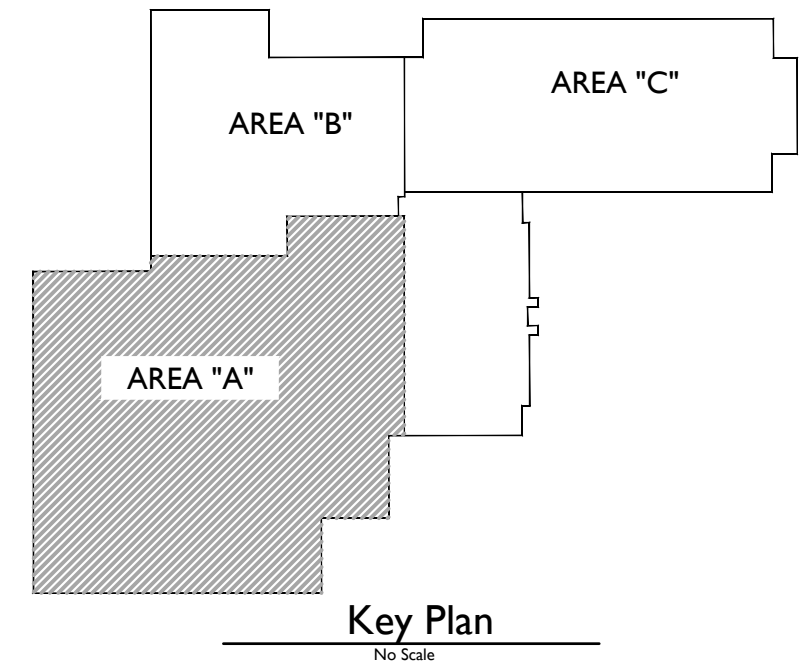
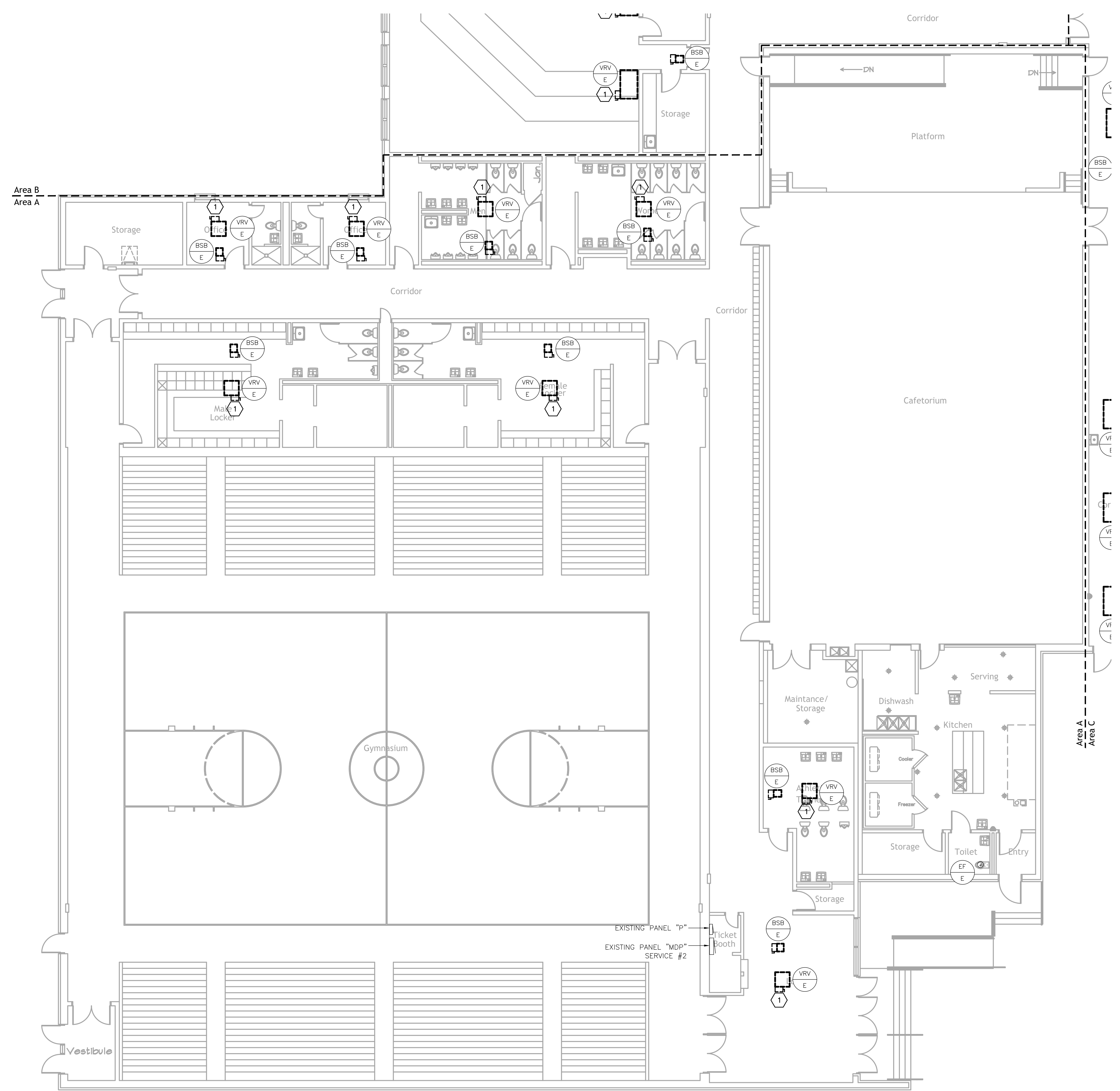


GENERAL ELECTRICAL DEMOLITION NOTES :

- A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (VDND) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE OR CIRCUIT IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PUSH-TO-RETRACT" POSITION. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- C. LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPPOSING TO DO ANY PART OF THE WORK INDICATED HEREIN SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT. QUALITY CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. INDICATED FOR REMOVAL WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- J. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.
- N. ALL ABANDONED CABLING ABOVE CEILING SHALL BE REMOVED. PROVIDE NEW J-HOOK SUPPORTS FOR EXISTING UN-SUPPORTED CABLING TO REMAIN. COORDINATE WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING CABLING TO REMAIN.
- O. RELOCATE JUNCTION BOXES AND OTHER EXISTING ITEMS REQUIRING ACCESS TO ACCESSIBLE LOCATIONS WHERE NEW WORK BY ANY TRADE WOULD MAKE SUCH ITEMS INACCESSIBLE.
- P. CONTRACTOR SHALL PROVIDE NEW TYPED PANELBOARD SCHEDULE FOR ALL MODIFIED CIRCUITS IN EXISTING PANELBOARDS ASSOCIATED WITH NEW WORK. THE SCHEDULE SHALL NOTE ALL UNUSED BREAKERS AS "SPARE". ALL SPARE CIRCUIT BREAKERS WITHIN PANELBOARDS SHALL BE SWITCHED TO THE "OFF" POSITION AND LABELED WITH A PRINTED STICKER STATING "SPARE" AND BE PLACED ON THE BREAKER ITSELF. (VDL HEALTH REQUIREMENT)

TAGGED NOTES :

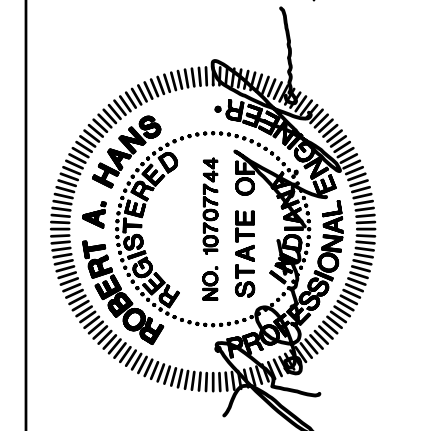
- 1. MAINTAIN EXISTING POWER CIRCUIT HOMERUN FOR CONNECTION TO REPLACEMENT MECHANICAL UNIT.
- 2. EXISTING ELECTRIC DUCT HEATER TO BE REMOVED COMPLETELY BACK TO SOURCE.
- 3. EXISTING EXHAUST FAN TO BE REMOVED COMPLETELY BACK TO SOURCE.



Electrical Plan - First Floor - Area A - Demolition

Scale: 1/4" = 1'-0"

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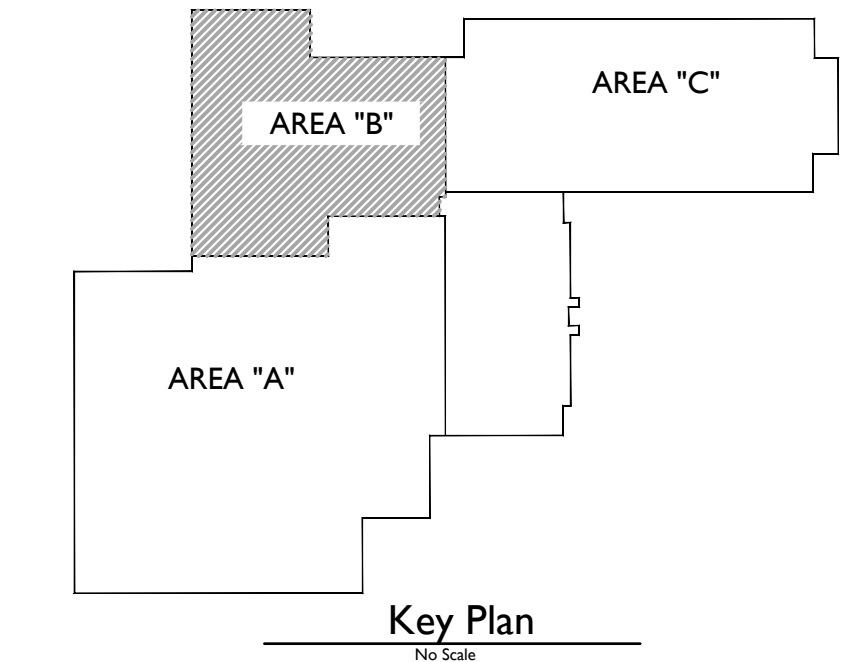
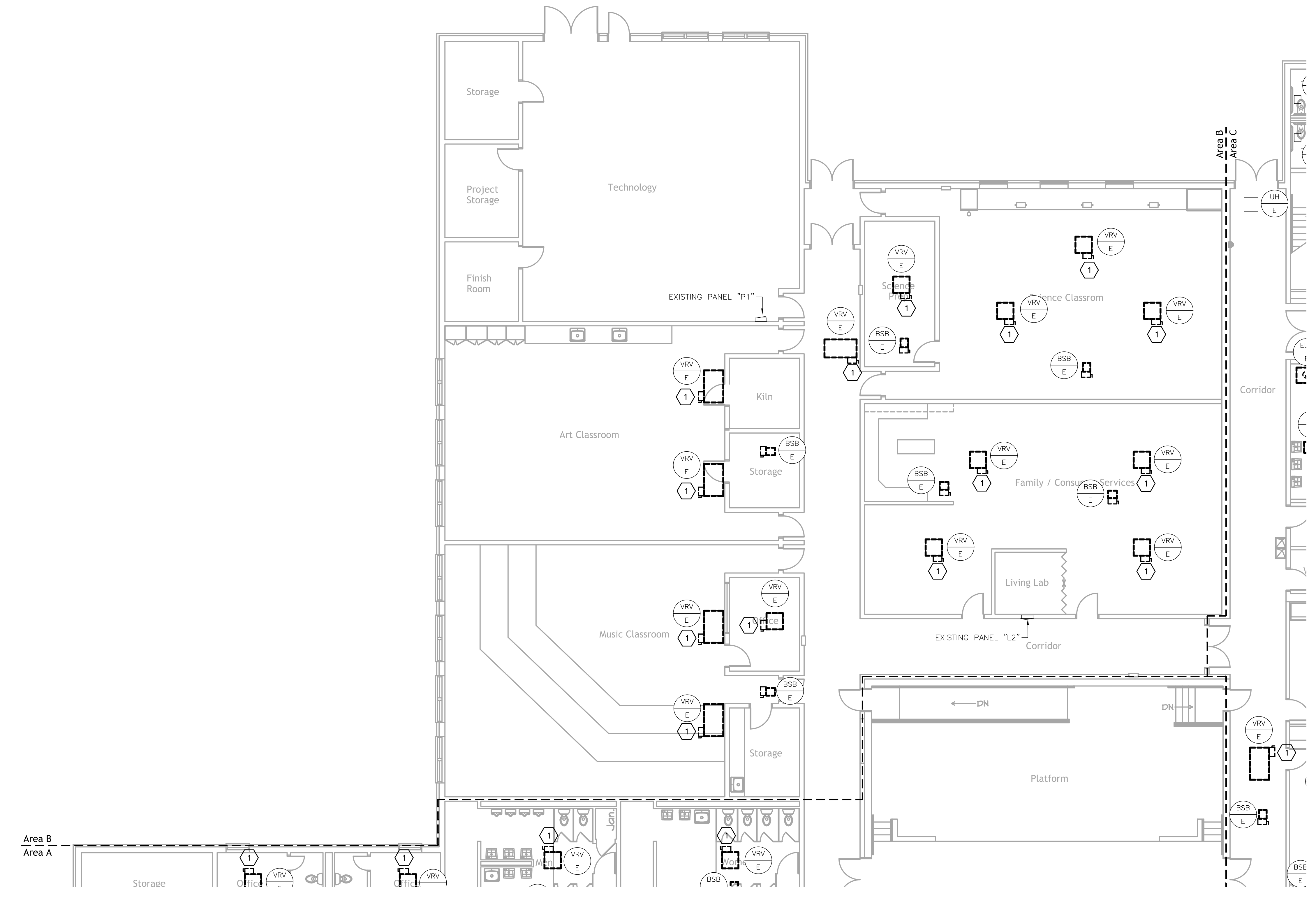


GENERAL ELECTRICAL DEMOLITION NOTES :

- A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (UGRD) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE OR CIRCUIT IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- C. LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPPOSING TO DO ANY PART OF THE WORK INDICATED HEREIN SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT. USUALLY CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. INDICATED FOR DEMOLITION WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- J. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED, REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.
- N. ALL ABANDONED CABLING ABOVE CEILING SHALL BE REMOVED. PROVIDE NEW J-HOOK SUPPORTS FOR EXISTING UN-SUPPORTED CABLING TO REMAIN. COORDINATE WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING CABLING TO REMAIN.
- O. RELOCATE JUNCTION BOXES AND OTHER EXISTING ITEMS REQUIRING ACCESS TO ACCESSIBLE LOCATIONS WHERE NEW WORK BY ANY TRADE WOULD MAKE SUCH ITEMS INACCESSIBLE.
- P. CONTRACTOR SHALL PROVIDE NEW TYPED PANELBOARD SCHEDULE FOR ALL MODIFIED CIRCUITS IN EXISTING PANELBOARDS ASSOCIATED WITH NEW WORK. THE SCHEDULE SHALL NOTE ALL UNUSED BREAKERS AS "SPARE". ALL SPARE CIRCUIT BREAKERS WITHIN PANELBOARDS SHALL BE SWITCHED TO THE "OFF" POSITION AND LABELED WITH A PRINTED STICKER STATING "SPARE" AND BE PLACED ON THE BREAKER ITSELF. (UOFL HEALTH REQUIREMENT)

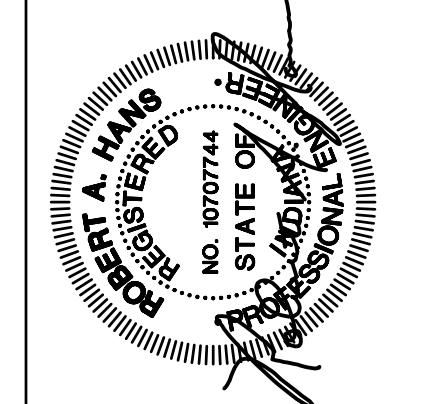
TAGGED NOTES :

1. MAINTAIN EXISTING POWER CIRCUIT HOMERUN FOR CONNECTION TO REPLACEMENT MECHANICAL UNIT.
2. EXISTING ELECTRIC DUCT HEATER TO BE REMOVED COMPLETELY BACK TO SOURCE.
3. EXISTING EXHAUST FAN TO BE REMOVED COMPLETELY BACK TO SOURCE.



Electrical Plan - First Floor - Area B - Demolition
Scale: 1/8" = 1'-0"

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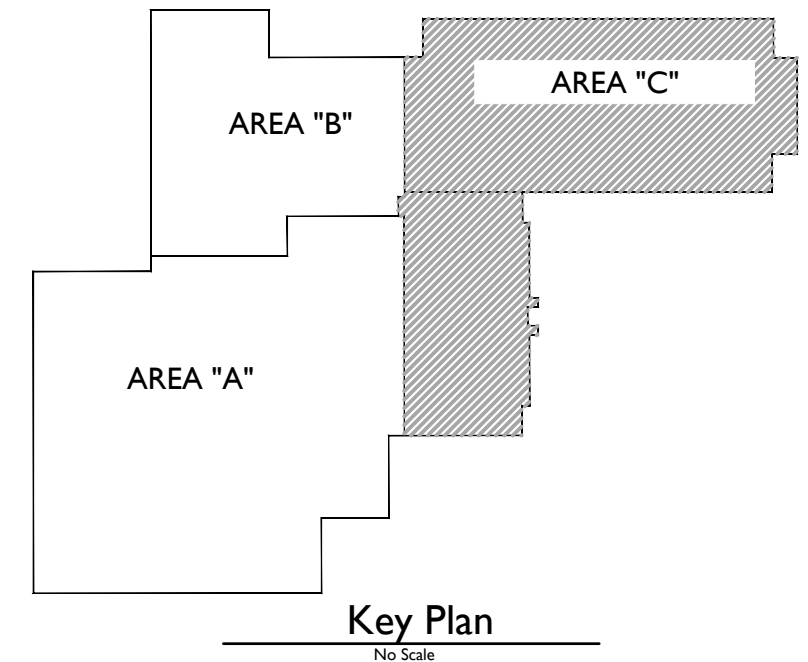
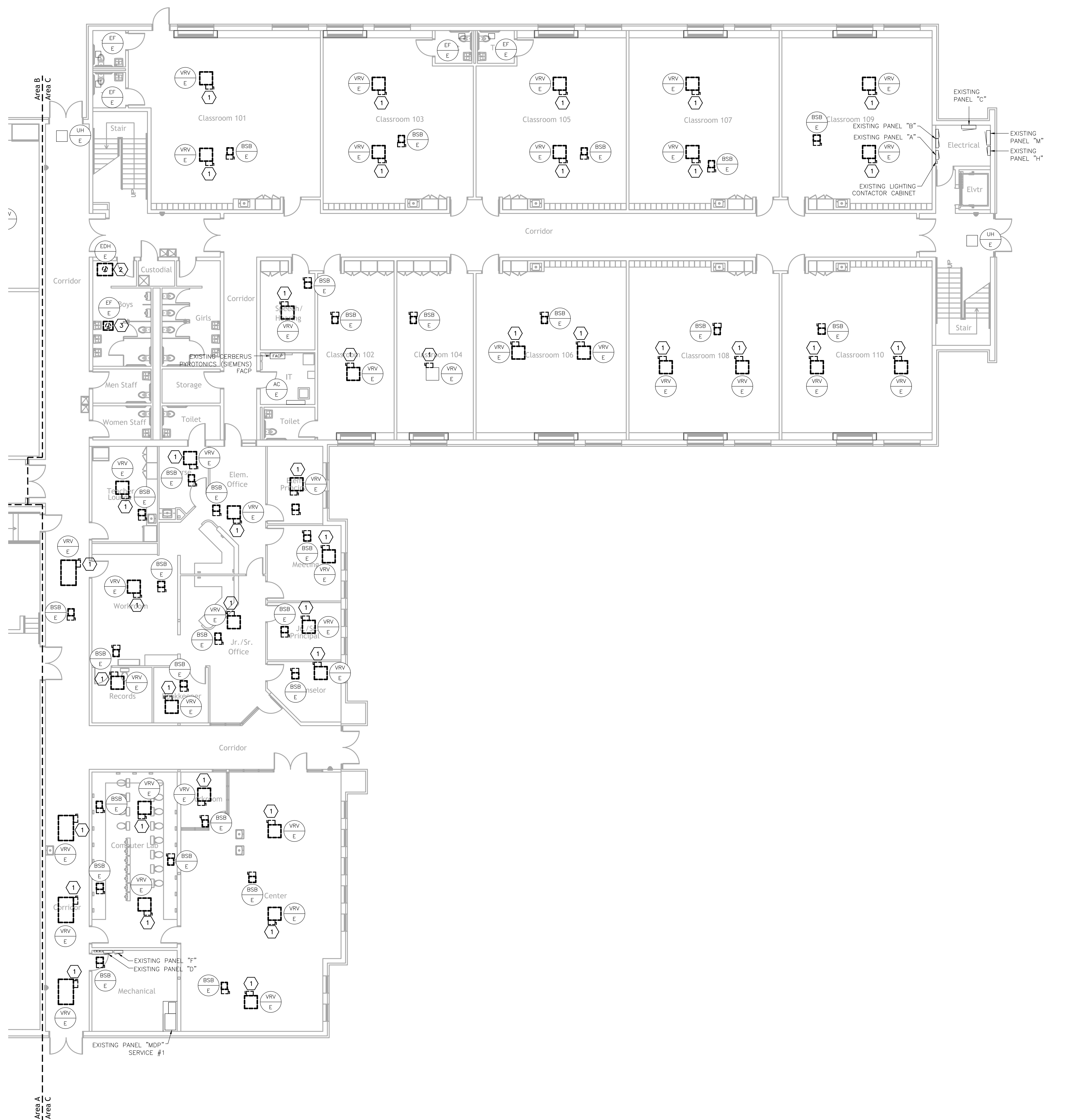


GENERAL ELECTRICAL DEMOLITION NOTES :

- DOTTED LINES INDICATE ITEMS FOR REMOVAL (VDN) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE OR CIRCUIT IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-SELECTED" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPPOSING TO DO ANY PART OF THE WORK INDICATED HEREIN SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED BACK TO SOURCE, WHETHER INDICATED OR NOT. QUALITY CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. INDICATED FOR REMOVAL WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
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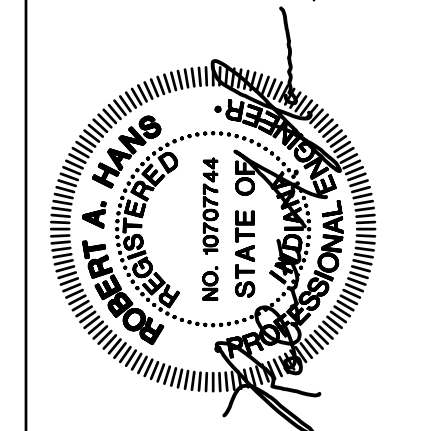
TAGGED NOTES :

- MAINTAIN EXISTING POWER CIRCUIT HOMERUN FOR CONNECTION TO REPLACEMENT MECHANICAL UNIT.
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Electrical Plan - First Floor - Area C - Demolition
Scale: 1/8" = 1'-0"

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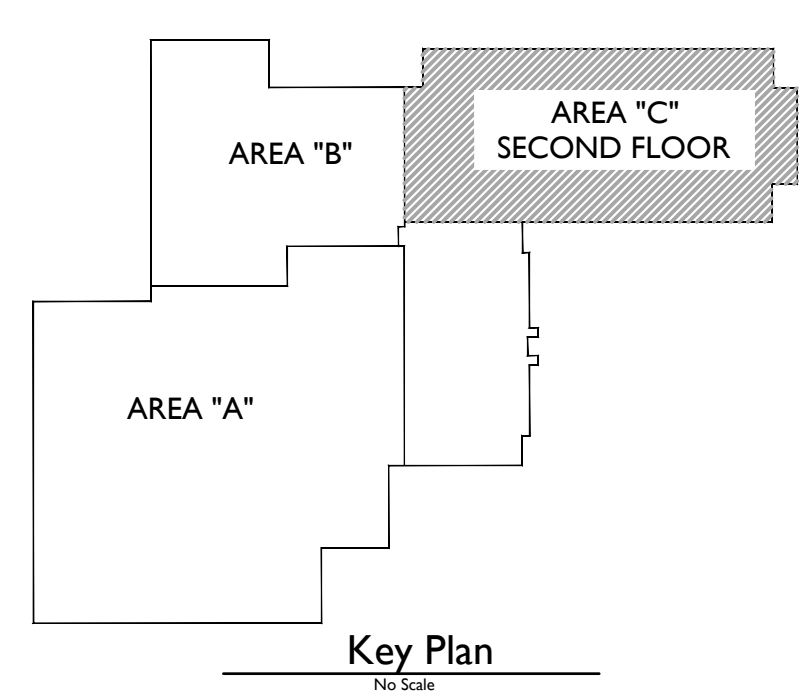
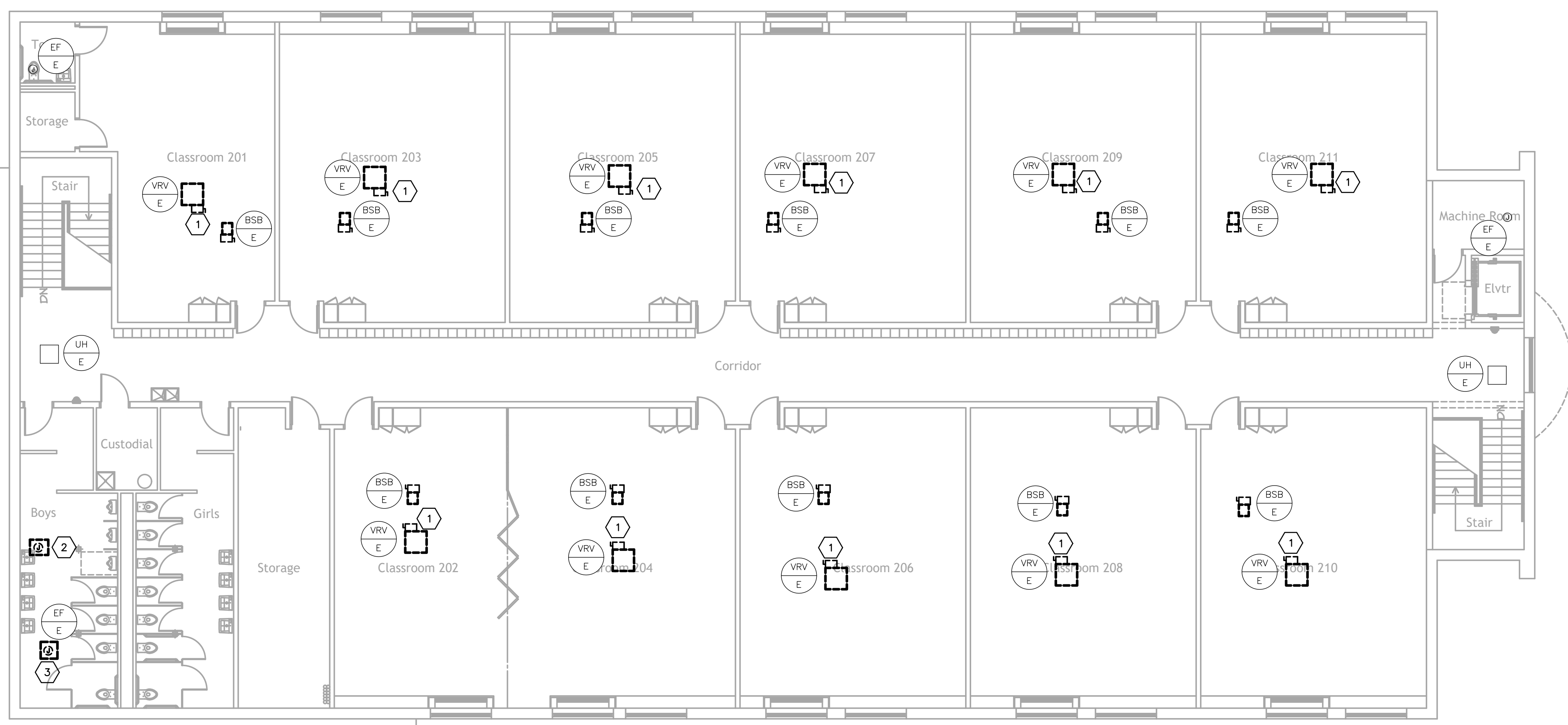


GENERAL ELECTRICAL DEMOLITION NOTES :

- A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (UGRD) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
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- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED BACK TO SOURCE, WHETHER INDICATED OR NOT. UGRD CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. INDICATED FOR DEMOLITION WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
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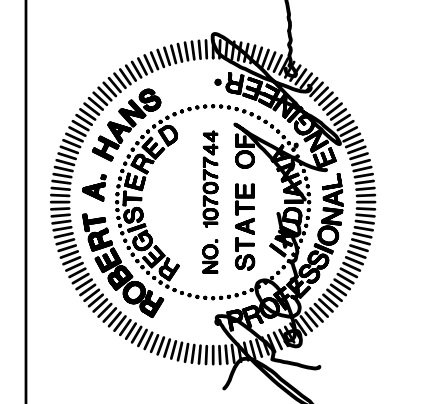
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Electrical Plan - Second Floor - Area C - Demolition
Scale: 1/8" = 1'-0"

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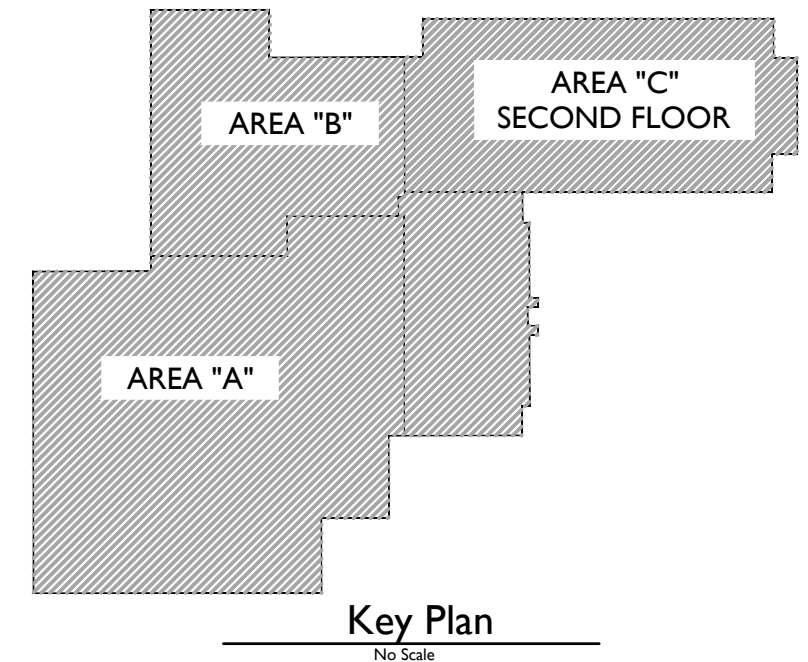


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- A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (X) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
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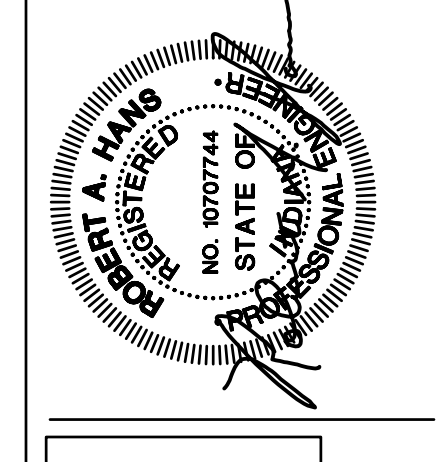
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- 2. EXISTING ELECTRIC DUCT HEATER TO BE REMOVED COMPLETELY BACK TO SOURCE.
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Electrical Plan - Roof - Demolition
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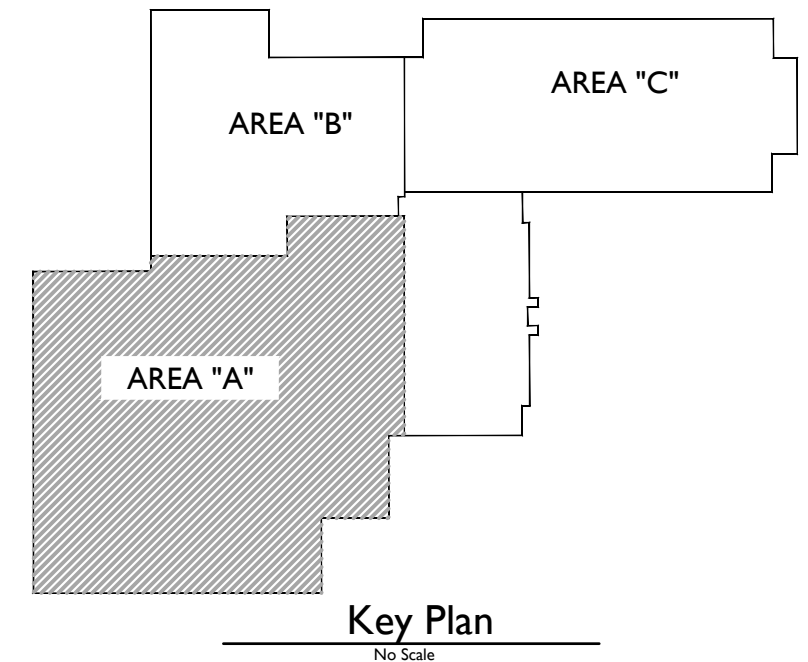
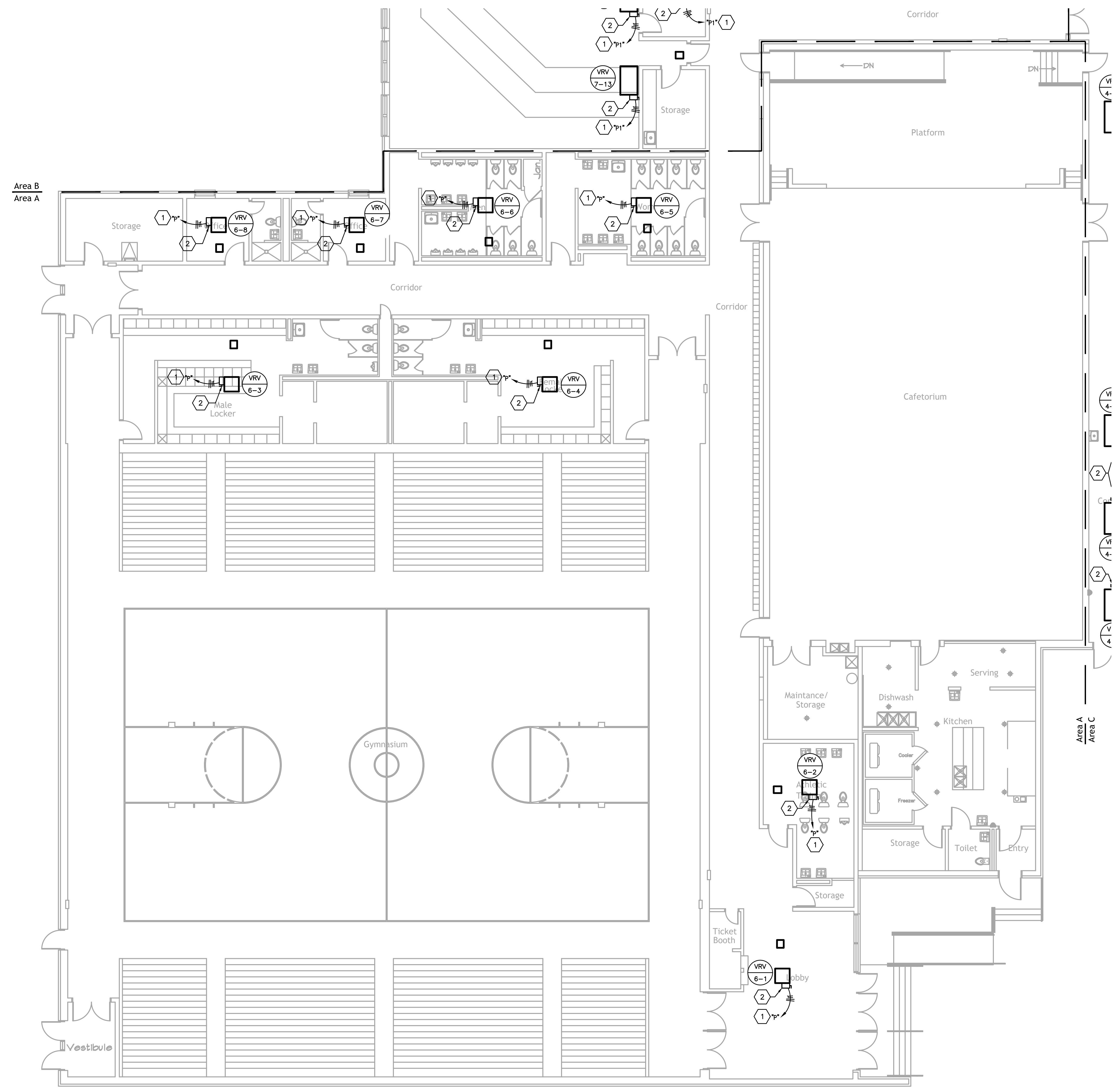


GENERAL NEW WORK NOTES (POWER/SYSTEMS)

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOOKUP. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.7 AND ANNEX C. MULTIPLE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- F. NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOLES, ISLANDS, ETC.) BY SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.
- G. REFER TO "SYSTEM INSTALLATION MATRIX" (DN SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- H. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- I. CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STONES IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
- J. CONTRACTOR SHALL PROVIDE NEW TYPED PANELBOARD SCHEDULE FOR ALL MODIFIED CIRCUITS IN EXISTING PANELBOARDS ASSOCIATED WITH NEW WORK. THE SCHEDULE SHALL NOTE ALL UNUSED BREAKERS AS "SPARE". ALL SPARE CIRCUIT BREAKERS WITHIN PANELBOARDS SHALL BE SWITCHED TO THE "OFF" POSITION AND LABELED WITH A PRINTED STICKER STATING "SPARE" AND BE PLACED ON THE BREAKER ITSELF. (UDPL HEALTH REQUIREMENT)

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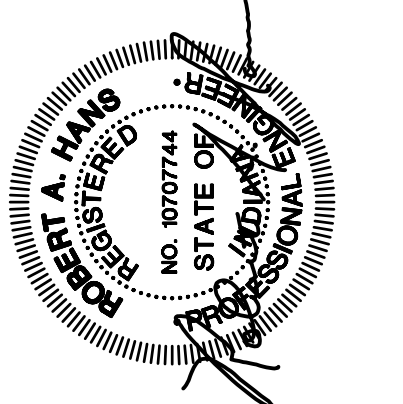
1. EXTEND AND CONNECT EXISTING CIRCUIT TO NEW REPLACEMENT MECHANICAL EQUIPMENT.
2. PROVIDE NEW 30A/208V/3P HEAVY-DUTY FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE RATING.
3. PROVIDE NEW 100A/208V/3P HEAVY-DUTY FUSIBLE DISCONNECT IN NEMA-3R ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE RATING.
4. PROVIDE # OF #3 CONDUCTORS AS SHOWN IN 1-1/4" CONDUIT TO NEW 90A/3P BREAKER IN EXISTING PANEL INDICATED.
5. PROVIDE NEW 60A/208V/3P HEAVY-DUTY FUSIBLE DISCONNECT IN NEMA-3R ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE RATING.
6. PROVIDE # OF #8 CONDUCTORS AS SHOWN IN 1" CONDUIT TO NEW 50A/3P BREAKER IN EXISTING PANEL INDICATED.
7. PROVIDE # OF #6 CONDUCTORS AS SHOWN IN 1" CONDUIT TO NEW 60A/3P BREAKER IN EXISTING PANEL INDICATED.
8. PROVIDE # OF #8 CONDUCTORS AS SHOWN IN 1" CONDUIT TO NEW 40A/3P BREAKER IN EXISTING PANEL INDICATED.
9. PROVIDE # OF #4 CONDUCTORS AS SHOWN IN 1-1/4" CONDUIT TO NEW 60A/3P BREAKER IN EXISTING PANEL INDICATED.
10. PROVIDE # OF #4 CONDUCTORS AS SHOWN IN 1-1/4" CONDUIT TO NEW 70A/3P BREAKER IN EXISTING PANEL INDICATED.
11. PROVIDE DUCT SMOKE DETECTOR DN RETURN.
12. PROVIDE # OF #3 CONDUCTORS AS SHOWN IN 1-1/4" CONDUIT TO NEW 100A/3P BREAKER IN EXISTING PANEL INDICATED.
13. PROVIDE 30A/2P MOTOR RATED SWITCH.



Electrical Plan - First Floor - Area A - New Work

Scale: 1/8" = 1'-0"

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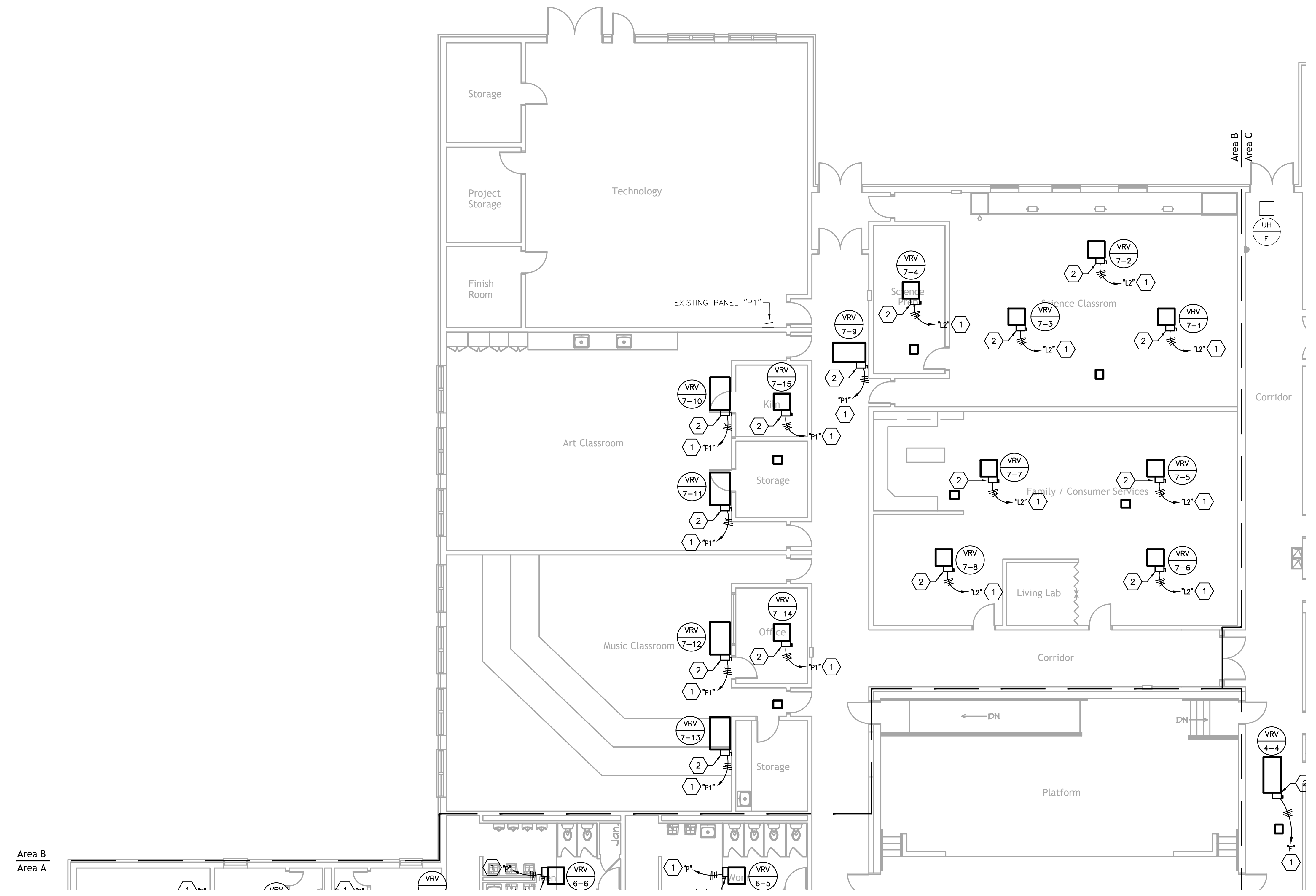


GENERAL NEW WORK NOTES (POWER/SYSTEMS) :

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- C. IDENTIFY THE PANEL AND CIRCUIT NUMBERS FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- F. NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOSES, ISLANDS, ETC.) OR SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.
- G. REFER TO SYSTEM INSTALLATION MATRIX (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.
- H. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- I. CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
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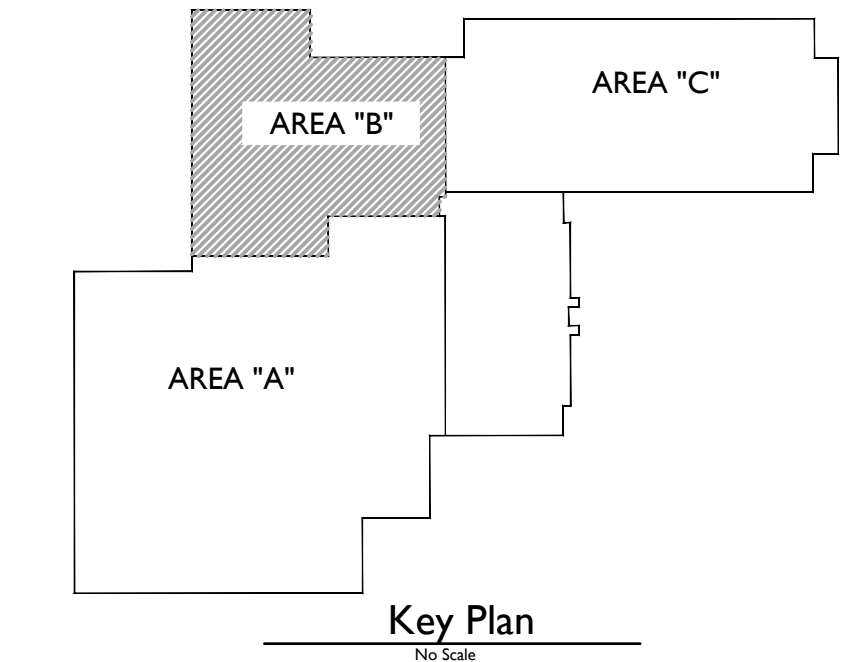
TAGGED NOTES :

1. EXTEND AND CONNECT EXISTING CIRCUIT TO NEW REPLACEMENT MECHANICAL EQUIPMENT.
2. PROVIDE NEW 200A/208V/3P HEAVY-DUTY FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE RATING.
3. PROVIDE NEW 100A/208V/3P HEAVY-DUTY FUSIBLE DISCONNECT IN NEMA-3R ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE RATING.
4. PROVIDE # 0F #3 CONDUCTORS AS SHOWN IN 1-1/4" CONDUIT TO NEW 90A/3P BREAKER IN EXISTING PANEL INDICATED.
5. PROVIDE NEW 60A/208V/3P HEAVY-DUTY FUSIBLE DISCONNECT IN NEMA-3R ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE RATING.
6. PROVIDE # 0F #6 CONDUCTORS AS SHOWN IN 1" CONDUIT TO NEW 50A/3P BREAKER IN EXISTING PANEL INDICATED.
7. PROVIDE # 0F #6 CONDUCTORS AS SHOWN IN 1" CONDUIT TO NEW 60A/3P BREAKER IN EXISTING PANEL INDICATED.
8. PROVIDE # 0F #6 CONDUCTORS AS SHOWN IN 1" CONDUIT TO NEW 40A/3P BREAKER IN EXISTING PANEL INDICATED.
9. PROVIDE # 0F #4 CONDUCTORS AS SHOWN IN 1-1/4" CONDUIT TO NEW 80A/3P BREAKER IN EXISTING PANEL INDICATED.
10. PROVIDE # 0F #4 CONDUCTORS AS SHOWN IN 1-1/4" CONDUIT TO NEW 70A/3P BREAKER IN EXISTING PANEL INDICATED.
11. PROVIDE DUCT SMOKE DETECTOR ON RETURN.
12. PROVIDE # 0F #3 CONDUCTORS AS SHOWN IN 1-1/4" CONDUIT TO NEW 100A/3P BREAKER IN EXISTING PANEL INDICATED.
13. PROVIDE 30A/2P MOTOR RATED SWITCH.



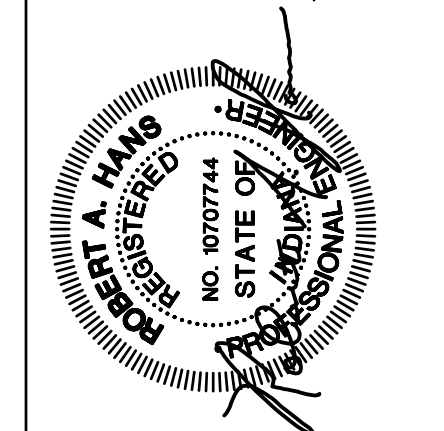
Area B
Area A

Electrical Plan - First Floor - Area B - New Work
Scale: 1/8" = 1'-0"



Key Plan
No Scale

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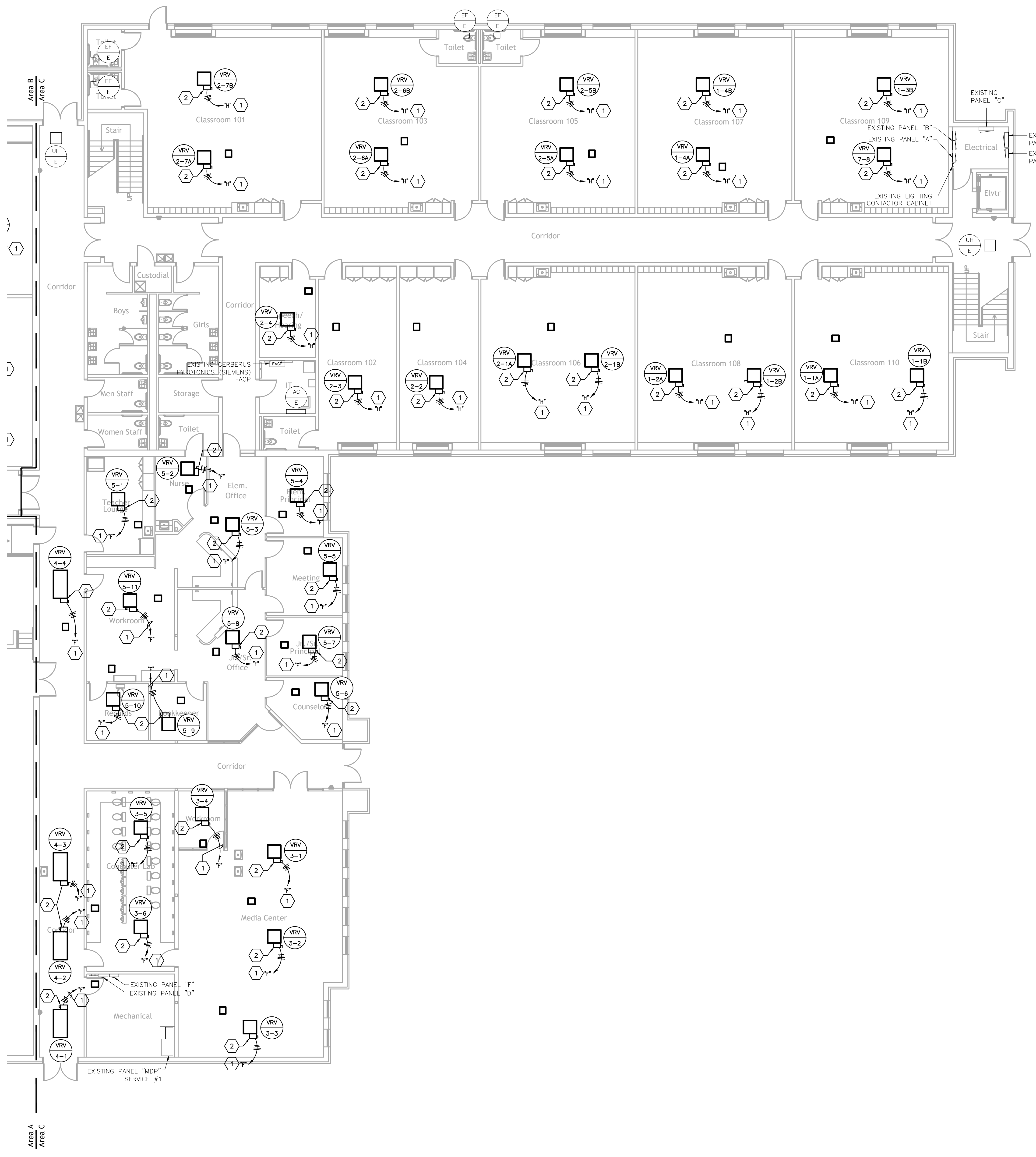


GENERAL NEW WORK NOTES (POWER/SYSTEMS) :

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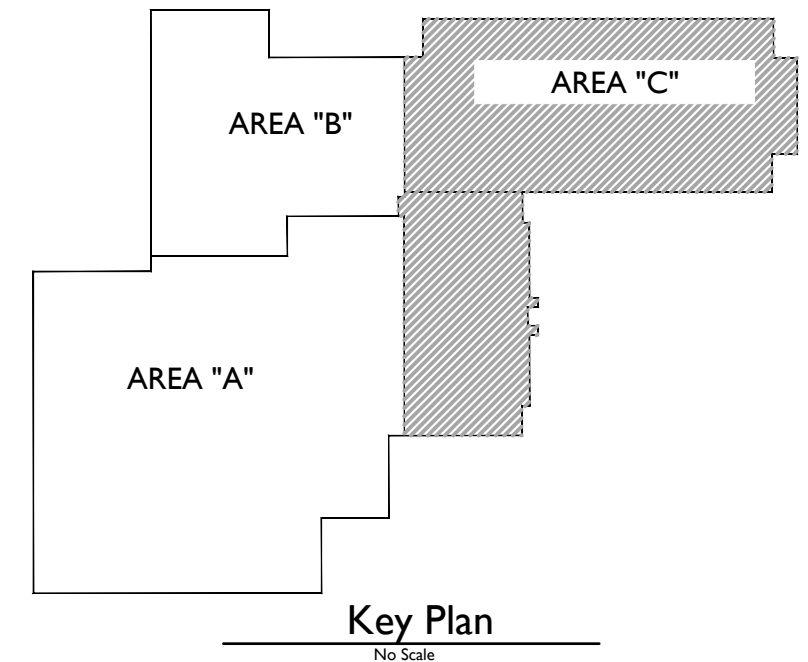
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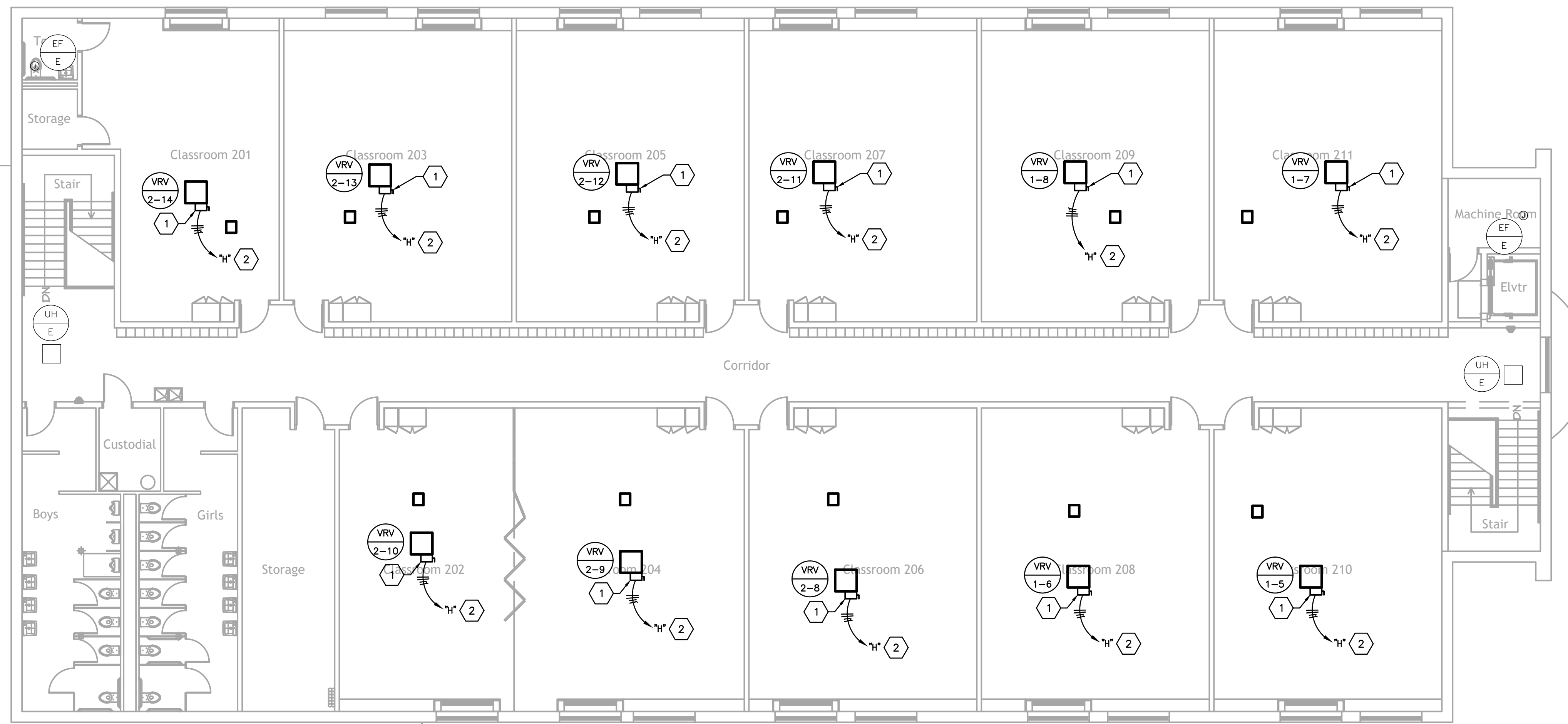
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Electrical Plan - First Floor - Area C - New Work
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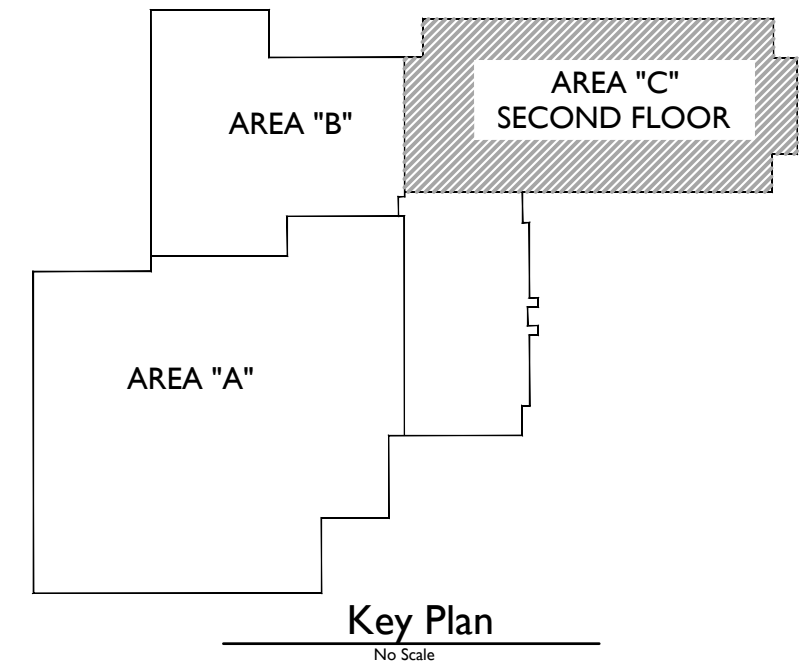
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Electrical Plan - Second Floor - Area C - New Work
Scale: 1/8" = 1'-0"



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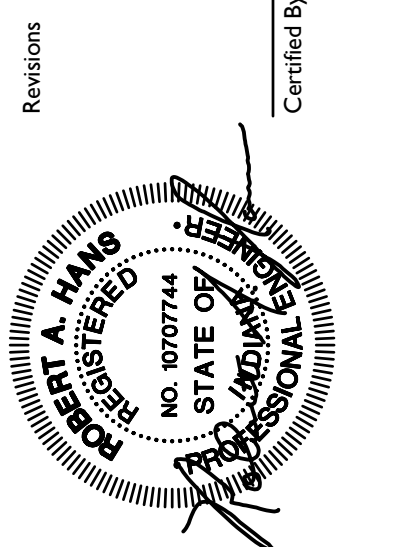
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TowerPinkster
ARCHITECTURE - ENGINEERING - INTERIORS

310 Pearl Street
New Albany, IN 47150

Drawn By: CMTA
Checked By: CMTA
Project #: VHS24
Date: 06/23/24



CMTA
A LEICORP Company

10411 Meeting Street
Prospect, KY 40059

(502) 326-3085
www.cmta.com

2024 HVAC Improvements
Medora Community Schools
82 S. George Johnson Road
Medora, Indiana 47260

Sheet
Elec Plan - 2nd Floor -
Area C - New Work

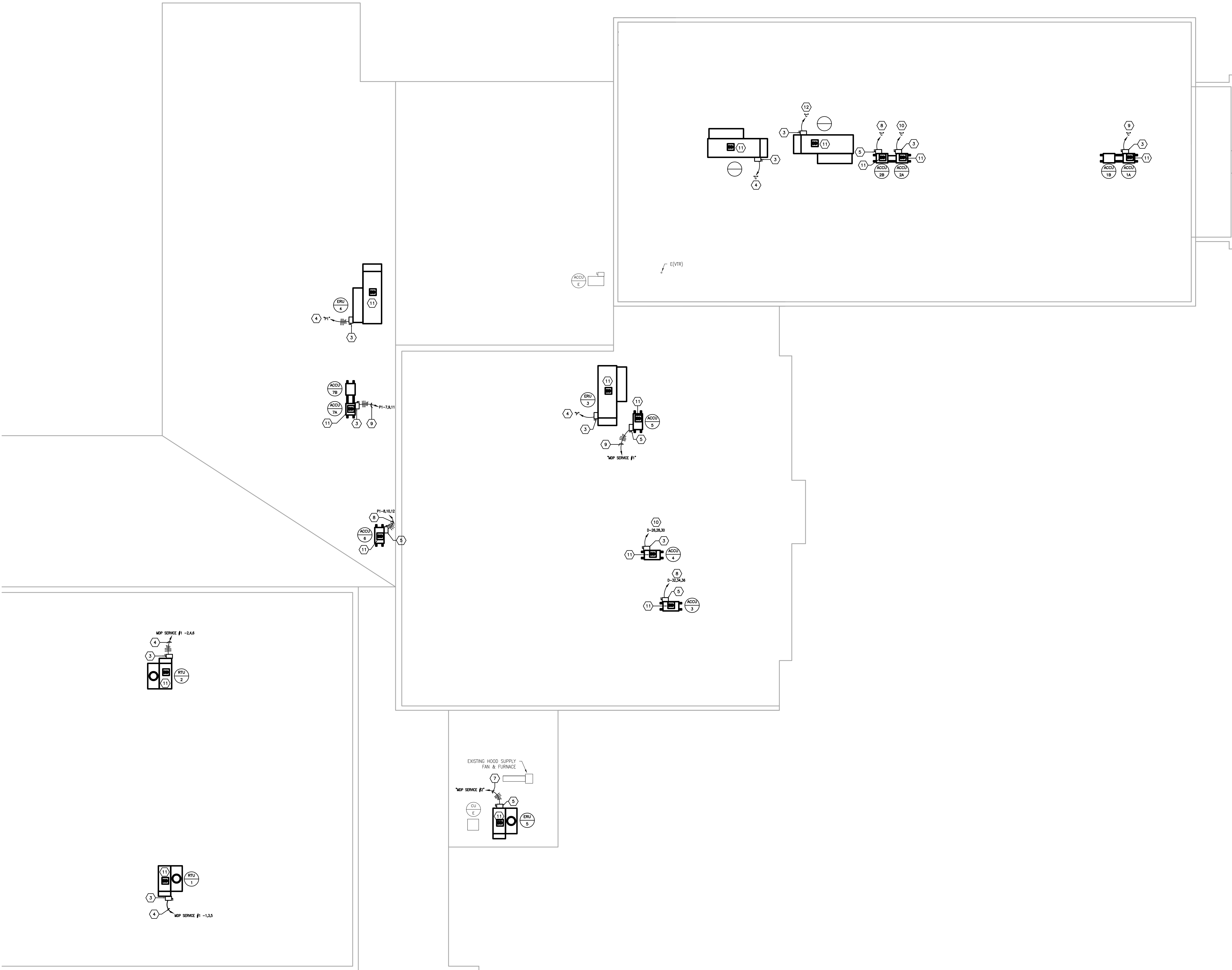
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Electrical Plan - Roof - New Work

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TAGGED NOTES :

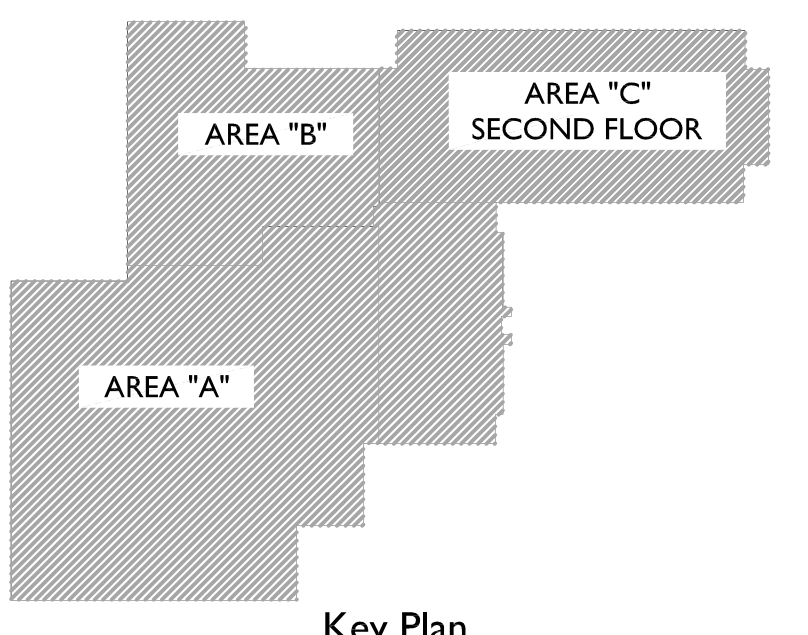
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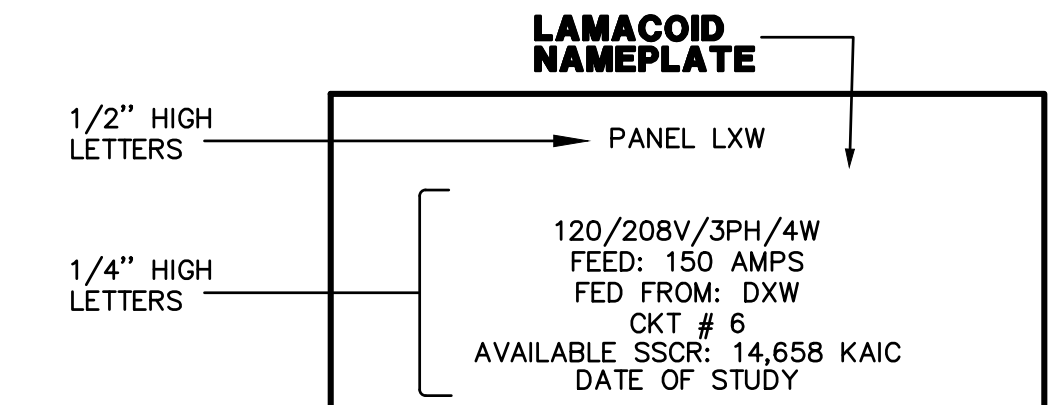


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Medora, Indiana 47260

Sheet
Elec Plan - Roof -
New Work

E205





TYPICAL POWER, DISCONNECT, VFD, PANEL NAMEPLATE DETAIL
NO SCALE

NORMAL POWER LABELS SHALL BE BLACK WITH WHITE LETTERS
EMERGENCY POWER LABELS SHALL BE RED WITH WHITE LETTERS

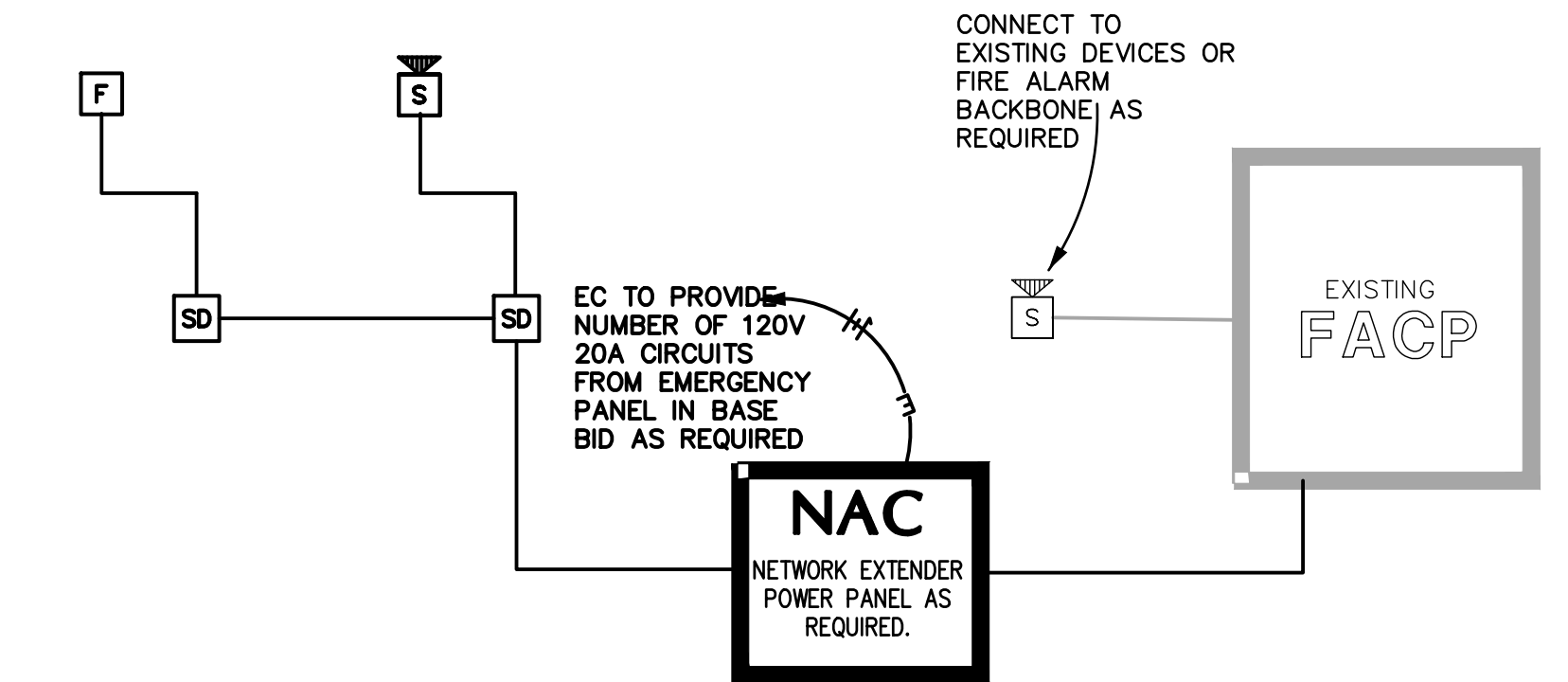
SPARE CONDUIT NOTE:
PROVIDE (4) SPARE 1" CONDUITS TO ACCESSIBLE CEILING FROM ALL NEW RECESSED PANELBOARDS.

PANEL SCHEDULE LABELING NOTE:
PROVIDE NEW TYPEWRITTEN SCHEDULES AT ALL NEW AND EXISTING PANELS WHERE CIRCUITS ARE REWORKED OR ADDED. INDICATE ALL ROOM NUMBERS BEING SERVED BY CIRCUIT ON SCHEDULE.

ALL PANELS SHALL BE PROVIDED WITH "DOOR IN DOOR" ACCESS COVERS

PANEL SCHEDULE SYMBOLS:
* - REFER TO RISER FOR SIZES.
GF1 - PROVIDE 20A/1P GF1 BREAKER
- MATCH EXISTING CONDITIONS. PROVIDE NUMBER OF CIRCUITS AS REQUIRED FOR EXISTING LOADS

LAMACOID LABEL AND PANEL SCHEDULE DETAIL
NO SCALE



FIRE ALARM GENERAL NOTES :

THE EXTENT OF ALL FIRE ALARM SYSTEM WORK IS INDICATED OR IMPLIED ON THE CONTRACT DRAWINGS.

FIRE ALARM SYSTEMS SHALL BE INSTALLED AND CONNECTED IN ACCORD WITH APPROVED WIRING DIAGRAMS OBTAINED FROM THE MANUFACTURER.

PROVIDE APPROVED TESTING AND REQUIRED CERTIFICATION OF NEW SYSTEM COMPONENTS AND PROVE OPERATION OF SYSTEM FOR THE AFFECTED RENOVATED AREAS WHEN COMPLETE.

USE N.E.C COMPLIANT WIRING TO ALL F.A. DEVICES, AS RECOMMENDED BY MFG. TO ALARM HORN/LIGHT UNITS. F.A. SYSTEM RACEWAYS TO BE 3/4" SIZE, MINIMUM. VERIFY ALL WIRING REQUIREMENTS WITH THE OWNER AND HIS F.A. VENDOR.

ALL NEW DEVICES INDICATED, SUCH AS SMOKE DETECTORS, HORN/LIGHT UNITS, ETC., SHALL MATCH AND BE COMPATIBLE WITH EXISTING BUILDING SYSTEM. HORN/LIGHT UNITS SHALL BE XENON FLASHTUBE TYPE, ADA COMPLIANT, MOUNTED AT 80" AFF TO BOTTOM.

THIS CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL BUILDING PERMITS, ELECTRICAL APPROVALS AND APPROVALS FROM THE STATE OFFICE OF FIRE SAFETY. THIS CONTRACTOR SHALL PREPARE DRAWINGS AS REQUIRED BY THE STATE OFFICE OF FIRE SAFETY, INCLUDING DRAWINGS, CUTSHEETS AND APPROVALS FROM THE STATE OR FROM THE MANUFACTURERS OF THE FIRE ALARM EQUIPMENT, AS ARE APPLICABLE TO THIS PROJECT. THESE DRAWINGS SHALL BE PREPARED AS A FINAL SUBMITTAL AS OUTLINED IN THE SUBMITTAL REQUIREMENTS. A COPY OF THESE REQUIREMENTS SHALL BE OBTAINED FROM THE STATE FIRE OFFICE. ANY ADDITIONAL COPIES OF THESE PLANS THAT ARE REQUIRED FOR THIS SUBMITTAL MAY BE OBTAINED FROM THE ENGINEER. DRAWINGS THAT ARE REQUIRED FOR THE SUBMITTAL SHALL BE FINISHED WITHIN 24 HOURS OF THE DATE OF THE SUBMITTAL TO ACCOMMODATE NEW WORK OF THIS PROJECT. FURNISH AND INSTALL ANY MODULES OR EQUIPMENT NECESSARY TO EXPAND SYSTEM.

FIELD VERIFY THE EXACT NUMBER AND LOCATIONS OF ALL MECHANICALLY RELATED ITEMS (EX., SPRINKLER CONNECTIONS, EXTINGUISHING SYSTEMS, SMOKE DAMPERS, ETC.) AND MAKE CONNECTIONS AS REQUIRED/INDICATED.

ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED TO ACCOMMODATE BUILDING STANDARDS AS REQUIRED.

NO SMOKE DETECTOR SHALL BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN OR EXHAUST AIR OPENINGS, NOR CLOSER THAN 12" TO WALL/ CEILING INTERSECTIONS.

A TECHNICAL REPRESENTATIVE OF FIRE ALARM MANUFACTURER SHALL BE PRESENT AT ALL TIMES DURING FIRE ALARM CERTIFICATION.

WRITTEN CERTIFICATION OF ENTIRE FIRE ALARM SYSTEM SHALL BE SUBMITTED TO OWNER & CMTA AT CLOSE OF PROJECT.

ALL FIRE ALARM SYSTEM CABLING SHALL BE ROUTED IN CONDUIT. CONDUIT SHALL BE 3/4" MINIMUM OR AS REQUIRED TO SUIT CONDUCTORS. ROUTE IN WIREMOLD PAINTED TO MATCH WHERE EXPOSED IN CORRIDORS.

FIRE ALARM RISER DIAGRAM
NO SCALE

Notice

The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.