

## HVAC LEGEND

ABBV.	SYMBOL	DESCRIPTION
HWS		HEATING WATER SUPPLY
HWR		HEATING WATER RETURN
RS		REFRIGERANT SUCTION
RL		REFRIGERANT LIQUID
MVD		MANUAL VOLUME DAMPER
		WALL SWITCH
		THERMOSTAT
		DUCT ELBOW WITH TURNING VANES
		SQUARE TO ROUND TRANSITION
		OFFSET DUCT UP / DOWN IN DIRECTION OF ARROW
		CONICAL SPIN-IN FITTING WITH MANUAL VOLUME DAMPER
		CONICAL SPIN-IN FITTING WITHOUT MANUAL VOLUME DAMPER
		45° TAKEOFF
		STANDARD RADIUS ELBOW
		NEW RECTANGULAR DUCTWORK - WIDTH x DEPTH
		NEW ROUND DUCTWORK - DIAMETER
		EXISTING DUCTWORK TO REMAIN
		EXISTING DUCTWORK TO BE REMOVED
CD		CEILING DIFFUSER (FOUR WAY THROW PATTERN)
RG		RETURN GRILLE WITH SOUND BOOT
		FLEXIBLE DUCTWORK
		AIRFLOW - RETURN/EXHAUST
		AIRFLOW - SUPPLY
EBBR		ELECTRIC BASEBOARD RADIATION
FCU		FAN COIL UNIT
LVR		LOUVER
SD		SLOT DIFFUSER
SG		SUPPLY GRILLE
RG		RETURN GRILLE
TG		TRANSFER GRILLE
SA		SUPPLY AIR
RA		RETURN AIR
EA		EXHAUST AIR
OA		OUTSIDE AIR
G.C.		GENERAL CONTRACTOR
M.C.		MECHANICAL CONTRACTOR
E.C.		ELECTRICAL CONTRACTOR
A.F.F.		ABOVE FINISHED FLOOR
N.C.		NORMALLY CLOSED
N.O.		NORMALLY OPEN
(N)		NEW
(E)		EXISTING
		EXISTING (DEMOLITION OR REMOVED)
		CONTROL WIRING
		POINT OF CONNECTION - NEW TO EXISTING
		DIRECTION OF FLOW IN PIPE
		PIPE UNION
		FLEXIBLE PIPE CONNECTION
		STRAINER
BV		BALANCING VALVE
		BALL VALVE
		MANUAL AIR VENT
		AUTOMATIC AIR VENT
P/T		PRESSURE/TEMPERATURE TEST PLUG
TCV		(2 OR 3-WAY) TEMPERATURE CONTROL VALVE
		PIPE ELBOW DOWN
		PIPE ELBOW UP
		TEE OFF BOTTOM OF PIPE
		TEE OFF TOP OF PIPE

## MECHANICAL HVAC INSULATION NOTES AND SPECIFICATIONS

1. ALL RECTANGULAR SUPPLY, RETURN, AND TRANSFER DUCTWORK SHALL BE LINED WITH 1" DUCT LINER, UNLESS NOTED OTHERWISE.
2. ALL CONCEALED ROUND DUCTWORK SHALL BE WRAPPED WITH 1-1/2" DUCT WRAP WITH VAPOR BARRIER JACKET, MINIMUM R-6.
3. REFRIGERANT SUCTION PIPING SHALL BE EQUIPPED WITH MINIMUM 1/2" THICK CLOSED CELL INSULATION, OR AS RECOMMENDED BY INSULATION MANUFACTURER. NOTE THAT BOTH REFRIGERANT LIQUID AND SUCTION LINES SHALL BE INSULATED FOR VRF AND DUAL-SPLIT SYSTEMS.
4. INSULATE HEATING WATER PIPING 1-1/2" AND SMALLER WITH 1-1/2" FIBERGLASS PIPE INSULATION WITH ALL SERVICE JACKET. INSULATE HEATING WATER PIPING 2" AND LARGER WITH 2" PIPE INSULATION WITH ALL SERVICE JACKET.
5. INSULATE CONDENSATE PIPING WITH 1" PIPE INSULATION.

## MECHANICAL HVAC NOTES AND SPECIFICATIONS

1. DUCTWORK DIMENSIONS LISTED ON THE DRAWINGS ARE CLEAR, INSIDE DIMENSIONS. WHEN DUCT LINE IS REQUIRED, INCREASE SHEET METAL DIMENSIONS ACCORDINGLY.
2. FLEXIBLE DUCTWORK SHALL BE THE SAME SIZE AS THE NECK OF THE AIR DEVICE. FLEXIBLE DUCTWORK SHALL NOT EXCEED 8'-0" IN LENGTH. PROVIDE RIGID ROUND DUCTWORK FOR TAKEOFFS IN EXCESS OF 8'-0".
3. UNLESS INDICATED OTHERWISE, BRANCH TAKEOFFS ARE TO BE THE SAME SIZE AS THE DIFFUSER NECK SIZE INDICATED.
4. UNLESS INDICATED OTHERWISE, THE INLET DUCTWORK TO FAN TERMINAL UNITS AND VARIABLE AIR VOLUME TERMINALS SHALL BE THE FULL SIZE OF THE UNIT CONNECTION.
5. PROVIDE DUCT TRANSITIONS FROM EQUIPMENT CONNECTIONS TO DUCT SIZES INDICATED AS REQUIRED.
6. PROVIDE A FLEXIBLE CONNECTION TO THE INTAKE AND DISCHARGE OF ALL MECHANICAL EQUIPMENT HAVING ROTATING PARTS. FLEXIBLE CONNECTION SHALL COMPLY WITH ALL APPLICABLE CODES.
7. ALL DUCTWORK SHALL BE A MINIMUM 26 GAUGE SHEETMETAL, OR AS REQUIRED BY ALL APPLICABLE CODES. ALL DUCTWORK CROSSING RATED CORRIDORS SHALL BE A MINIMUM 24 GAUGE SHEETMETAL. DUCT GAUGE SHALL MEET OR EXCEED SMACNA STANDARDS.
8. ALL SUPPLY, RETURN AND EXHAUST DUCTWORK SHALL BE SEALED AIRTIGHT WITH DUCT SEALANT (SMACNA SEAL CLASS "A") ALONG ALL SEAMS AND JOINTS.
9. ALL UNLINED DUCTWORK THAT IS VISIBLE THROUGH THE AIR DEVICE SHALL BE PAINTED FLAT BLACK.
10. MAINTAIN A MINIMUM 10'-0" SEPARATION FROM OUTSIDE AIR INTAKES TO EXHAUST TERMINATIONS AND FLUE OUTLETS.
11. MAINTAIN A MINIMUM OF 15'-0" FROM OUTSIDE AIR INTAKES TO PLUMBING VENTS.
12. MAINTAIN A MINIMUM 3'-0" SEPARATION FROM EXHAUST TERMINATIONS TO OPERABLE WINDOWS AND DOORS.
13. ALL ELBOWS, BOTH HORIZONTAL AND VERTICAL, SHALL BE LONG RADIUS ELBOWS WHEREVER POSSIBLE, OR SHALL HAVE TURNING VANES WHERE SHOWN.
14. BRANCH FITTINGS SERVING GRILLES AND DIFFUSERS SHALL BE CONICAL (OR 45° TAKEOFFS AS SHOWN ON DRAWINGS). PROVIDE WITH MANUAL VOLUME DAMPERS UNLESS THE AIR TERMINAL IS PROVIDED WITH AN OBD.
15. RECTANGULAR BRANCH DUCT TAKEOFFS SHALL HAVE 45° TAKEOFFS AND ROUND DUCT TAKEOFFS SHALL BE CONICAL.
16. ALL JOB SITE DUCTWORK PRIOR TO INSTALLATION SHALL BE COVERED AND PROTECTED FROM DIRT, DUST, AND DAMAGE PER SMACNA STANDARDS. OPENINGS IN INSTALLED DUCTWORK DURING INSTALLATION SHALL BE SEALED CLOSED WITH PLASTIC TO PREVENT DIRT AND DEBRIS INTRUSION INTO DUCTWORK SYSTEMS.

## HVAC PIPING NOTES AND SPECIFICATIONS

1. HEATING WATER PIPING 2" AND SMALLER SHALL BE TYPE "L" COPPER WITH SOLDERED FITTINGS
2. CONDENSATE PIPING SHALL BE SHALL BE TYPE "L" COPPER WITH SOLDERED FITTINGS.
3. REFRIGERANT PIPING SHALL BE TYPE "L" OR "ACR" COPPER, UNLESS NOTED OTHERWISE.
4. ALL PIPING SHOWN IS CONCEALED ABOVE CEILINGS UNLESS INDICATED OTHERWISE.

## SHEET INDEX

SHEET NUMBER	MECHANICAL, PLUMBING & FIRE PROTECTION SHEET TITLE	SHEET SCALE
M000	MECHANICAL COVER SHEET	NONE
MD101	HVAC DEMOLITION FLOOR PLANS	1/8" = 1'-0"
M101	HVAC FLOOR PLANS	1/8" = 1'-0"
M201	HVAC SCHEDULES AND DETAILS	NONE

## MECHANICAL DEMOLITION GENERAL NOTES AND SPECIFICATIONS

1. THE MECHANICAL CONTRACTOR SHALL INSPECT SITE TO BECOME FAMILIAR WITH THE SCOPE OF THE WORK. THESE DOCUMENTS DO NOT REFLECT AS-BUILT CONDITIONS, ANY DISCREPANCIES BETWEEN THE DOCUMENTS AND THE EXISTING CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION PRIOR TO BID PRICING. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.
2. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ABOVE CEILING EQUIPMENT, DUCTWORK, AND CEILING MOUNTED AIR DEVICES WITH EXISTING ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL CONDITIONS. APPROXIMATE LOCATIONS OF NEW WORK ARE SHOWN AND SHOULD BE FOLLOWED AS CLOSELY AS EXISTING CONDITIONS WILL ALLOW.
3. COORDINATE DEMOLITION REQUIREMENTS WITH THE GENERAL CONTRACTOR.
4. COORDINATE EXTENT OF DEMOLITION WITH THE NEW CONSTRUCTION AS SHOWN IN THESE DOCUMENTS.
5. EXISTING MECHANICAL WORK IS SHOWN LIGHT.
6. ALL MECHANICAL ITEMS INDICATED TO BE DEMOLISHED SHALL BE INSPECTED FOR SALVAGE BY THE OWNER. ALL NON-SALVAGEABLE ITEMS SHALL THEN BE IMMEDIATELY REMOVED FROM THE SITE BY THE MECHANICAL CONTRACTOR.
7. ALL UNUSED TEMPERATURE CONTROL WIRING, WIRE MOLD, PNEUMATIC TUBING AND CONTROL COMPONENTS SHALL BE REMOVED.
8. ALL UNUSED HANGERS AND SUPPORTS SHALL BE REMOVED.
9. THE REMOVAL OR INSTALLATION OF CONTROLS, PIPES, DUCTS, AND EQUIPMENT MAY REQUIRE THE REMOVAL OF EXISTING WALLS AND CEILINGS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PATCHING THESE WALLS AND CEILINGS SO THEY MATCH THE EXISTING WHERE NOT REPLACED UNDER THE ARCHITECTURAL DOCUMENTS. THE GENERAL CONTRACTOR SHALL REVIEW THE MECHANICAL DRAWINGS TO IDENTIFY THESE LOCATIONS PRIOR TO BID PRICING.
10. THE GENERAL CONTRACTOR SHALL PATCH AND PAINT WALLS TO MATCH EXISTING AT THE DEMOLISHED CONTROLS.
11. THE GENERAL CONTRACTOR SHALL PATCH AND SEAL UNUSED ROOF PENETRATIONS AT DEMOLISHED MECHANICAL TO MATCH EXISTING CONDITIONS.
12. THE GENERAL CONTRACTOR SHALL PATCH THE CEILING, ROOF, AND WALLS TO MATCH EXISTING AT DEMOLISHED HANGERS AND SUPPORTS.
13. THE GENERAL CONTRACTOR SHALL MAKE REPAIRS TO ALL EXISTING BUILDING COMPONENTS THAT HAVE BEEN AFFECTED BY THE DEMOLITION OF MECHANICAL SYSTEMS.
14. PORTIONS OF THIS BUILDING WILL BE OCCUPIED DURING THIS CONSTRUCTION PROJECT. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE SCHEDULING OF THEIR WORK WITH THE GENERAL CONTRACTOR. CLEAN UP AT THE END OF EACH DAY.

## MECHANICAL GENERAL NOTES AND SPECIFICATIONS

- THESE DOCUMENTS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO BE UTILIZED AS SHOP DRAWINGS NOR NECESSARILY SCALED FOR EXACT MEASUREMENTS. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION PRIOR TO INSTALLATION.
- MECHANICAL WORK SHALL COMPLY WITH ALL APPLICABLE CODES. VERIFY ALL REQUIREMENTS PRIOR TO SUBMITTING BID OR COMMENCING WORK.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL COORDINATION OR MODIFICATIONS THAT MAY BE REQUIRED DUE TO THE USE OR INSTALLATION OF EQUIPMENT OTHER THAN THAT OF THE BASIS OF DESIGN MANUFACTURERS LISTED ON THE DRAWINGS.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES PRIOR TO AND DURING CONSTRUCTION. THE MECHANICAL SYSTEMS SHOWN SHALL BE RUN AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE.
- WHERE CEILING SPACE IS TO BE USED AS A RETURN AIR PLENUM, COMPLY WITH ALL APPLICABLE CODES. ALL MATERIALS WITHIN THE CEILING PLENUM WILL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.
- WHERE THE CEILING SPACE IS TO BE USED AS A RETURN AIR PLENUM, THE GENERAL AND MECHANICAL CONTRACTORS SHALL VERIFY THAT THE RETURN AIR PATH BACK TO THE UNIT IS OPEN WITH A VELOCITY THROUGH ALL OPENINGS OF NOT FPM OR LESS.
- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING AIR HANDLING ACCESS PANELS. OBTAIN CLARIFICATION FROM THE ARCHITECT, IF EXACT LOCATIONS ARE NOT SHOWN.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE THERMOSTAT, SENSOR, AND SWITCH LOCATIONS WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION. ALL THERMOSTATS, SENSORS, AND SWITCHES SHALL BE LOCATED 48" AFF UNLESS INDICATED OTHERWISE. WHERE EXISTING CONDITIONS REQUIRE EXPOSED CONTROL WIRING, SUCH WIRING SHALL BE CONCEALED WITH WIRE MOLD. WIRE MOLD COLOR SHALL BE SELECTED BY THE ARCHITECT.
- PROVIDE EQUIPMENT LABELS FOR ALL MAJOR EQUIPMENT, INCLUDING BUT NOT LIMITED TO AIR HANDLING UNITS, FAN CONTROLS, AND DAMPERS. LABELS SHALL BE AFFIXED OR ADHERED DIRECTLY TO EQUIPMENT. EQUIPMENT TO BE LABELED WITH ENGRAVED PLASTIC LAMINATE SIGNS.
- PROVIDE PIPE MARKER IDENTIFICATION INCLUDING ARROWS TO INDICATE DIRECTION OF FLOW. LOCATE PIPE MARKER AND ARROWS WHEREVER PIPING IS EXPOSED TO VIEW IN OCCUPIED SPACES, MECHANICAL ROOMS, AND ACCESSIBLE MAINTENANCE AREAS (SHAFTS, TUNNELS, PLenums), MARKERS SHALL SNAP-ON TYPE OR PRESSURE-SENSITIVE TYPE AT INSTALLER'S OPTION. COLORS TO COMPLY WITH ANSI A13.1.
- PROVIDE VALVE TAGS ON EVERY VALVE, COCK, AND CONTROL DEVICE IN EACH PIPING SYSTEM. LIST EACH TAGGED VALVE IN VALUE SCHEDULE FOR EACH PIPING SYSTEM. MOUNTED FRAMED VALVE SCHEDULE IN MAIN MECHANICAL ROOM. VALVE TAGS 1-1/2" DIAMETER OF PLASTIC LAMINATE OR BRASS WITH PIPING SYSTEM ABBREVIATION IN 1/4" HIGH LETTERS AND SEQUENCED VALVE NUMBERS IN 1/2" HIGH LETTERS.
- BALANCE AIR AND HYDRONIC SYSTEMS TO THE QUANTITIES SHOWN AND SUBMIT BALANCE REPORT TO PROJECT ARCHITECT/ENGINEER FOR REVIEW. FAN AND PUMP SYSTEMS TO BE BALANCED WITHIN PLUS 10 PERCENT OR MINUS 5 PERCENT OF LISTED VALUES. AIR INLETS AND OUTLETS TO BE BALANCED WITH PLUS 10 PERCENT TO MINUS 5 PERCENT OF LISTED VALUES.
- SUBMIT TO THE ARCHITECT/ENGINEER ELECTRONIC PDF FILES OF MECHANICAL SUBMITTALS FOR REVIEW OF ALL MAJOR EQUIPMENT AS LISTED ON DRAWING EQUIPMENT SCHEDULES, AS WELL AS DUCTWORK ACCESSORIES AND CONTROLS. ENGINEER ASSUMES NO RESPONSIBILITY FOR EQUIPMENT OR INSTALLATION COORDINATION THAT HAS NOT BEEN SUBMITTED FOR REVIEW.
- CONTRACTOR SHALL WARRANTY WORK, EQUIPMENT, MATERIALS, AND PROPER OPERATION FOR A PERIOD OF ONE YEAR. THE WARRANTY SHALL BE IN WRITING AND SHALL BE SUBJECT TO THE GUARANTEE SHALL NOT INCLUDE NORMAL MAINTENANCE REQUIRED BY THE OWNER AS DESCRIBED IN O&M MANUALS.
- PROVIDE PDF COPIES OPERATION AND MAINTENANCE (O&M) MANUALS FOR OWNER AT COMPLETION OF PROJECT TO THE ARCHITECT/ENGINEER FOR REVIEW. DOCUMENTATION SHALL CONSIST OF MANUFACTURER'S INFORMATION, SPECIFICATIONS AND RECOMMENDATIONS, PROGRAMMING INSTRUCTIONS AND POINTS, NARRATIVES, AND OTHER TYPES OF ILLUSTRATING TO THE OWNER HOW THE BUILDING, EQUIPMENT, AND SYSTEMS ARE INTENDED TO BE INSTALLED, MAINTAINED, AND OPERATED. REQUIRED REGULAR MAINTENANCE ACTIONS FOR EQUIPMENT AND SYSTEMS SHALL BE COORDINATED WITH THE O&M MANUALS. THE LABEL SHALL INCLUDE THE TITLE OR PUBLICATION NUMBER FOR THE OPERATION AND MAINTENANCE MANUAL FOR THAT PARTICULAR MODEL AND TYPE OF PRODUCT.
- CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE SET OF RECORD DRAWINGS SHOWING ACTUAL INSTALLED LOCATIONS OF WORK. SUBMIT THESE DRAWINGS AS PART OF THE OPERATION AND MAINTENANCE MANUALS AT COMPLETION OF PROJECT.
- ACCESS DOORS SHALL BE INSTALLED IN ORDER TO PROVIDE ACCESS TO MECHANICAL SYSTEMS REQUIRING ACCESS FOR SERVICING OR ADJUSTMENT LOCATED ABOVE INACCESSIBLE CEILINGS, WALLS, OR NOT SHOWN ON THE DRAWINGS. ACCESS DOORS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR. ACCESS DOOR LOCATIONS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. PROVIDE 12"X12" ACCESS DOORS FOR ACCESS (VAVS AND DAMPERS) AND 24"X24" ACCESS FOR HEAD AND SHOULDER ACCESS FOR OTHER EQUIPMENT.



### NOTICE: DUTY OF COOPERATION

Release of these plans contemplates further cooperation among the owner, his contractor and the architect. Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is essential and every contingency cannot be anticipated. Any amendments or changes to the plans or use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences of such changes. The parties without the consent of the architect are unadvised and shall relieve the architect of responsibility for all consequences arising out of such changes.

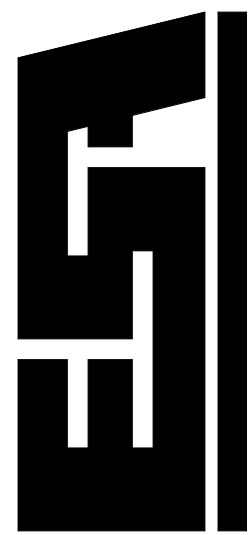
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## REVISIONS

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**REVIEWED  
FOR  
CODE  
COMPLIANCE**  
06/22/2023

**GONDOLA SQUARE**  
**BUILDING F**  
2305 Mt. Werner Circle  
Steamboat Springs, CO 80480



**ERIC SMITH ASSOCIATES, P.C.**  
**1919 SEVENTH STREET**  
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<b>Job Number:</b>	23008
<b>Date:</b>	04/21/23
<b>Drawn By:</b>	EAB
<b>Checked By:</b>	EAB

<b>Project Phase</b>
CONSTRUCTION DOCUMENTS
<b>Sheet Title</b>
MECHANICAL COVER SHEET
<b>Sheet Number</b>
M000



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Eric Smith Associates, P.C.

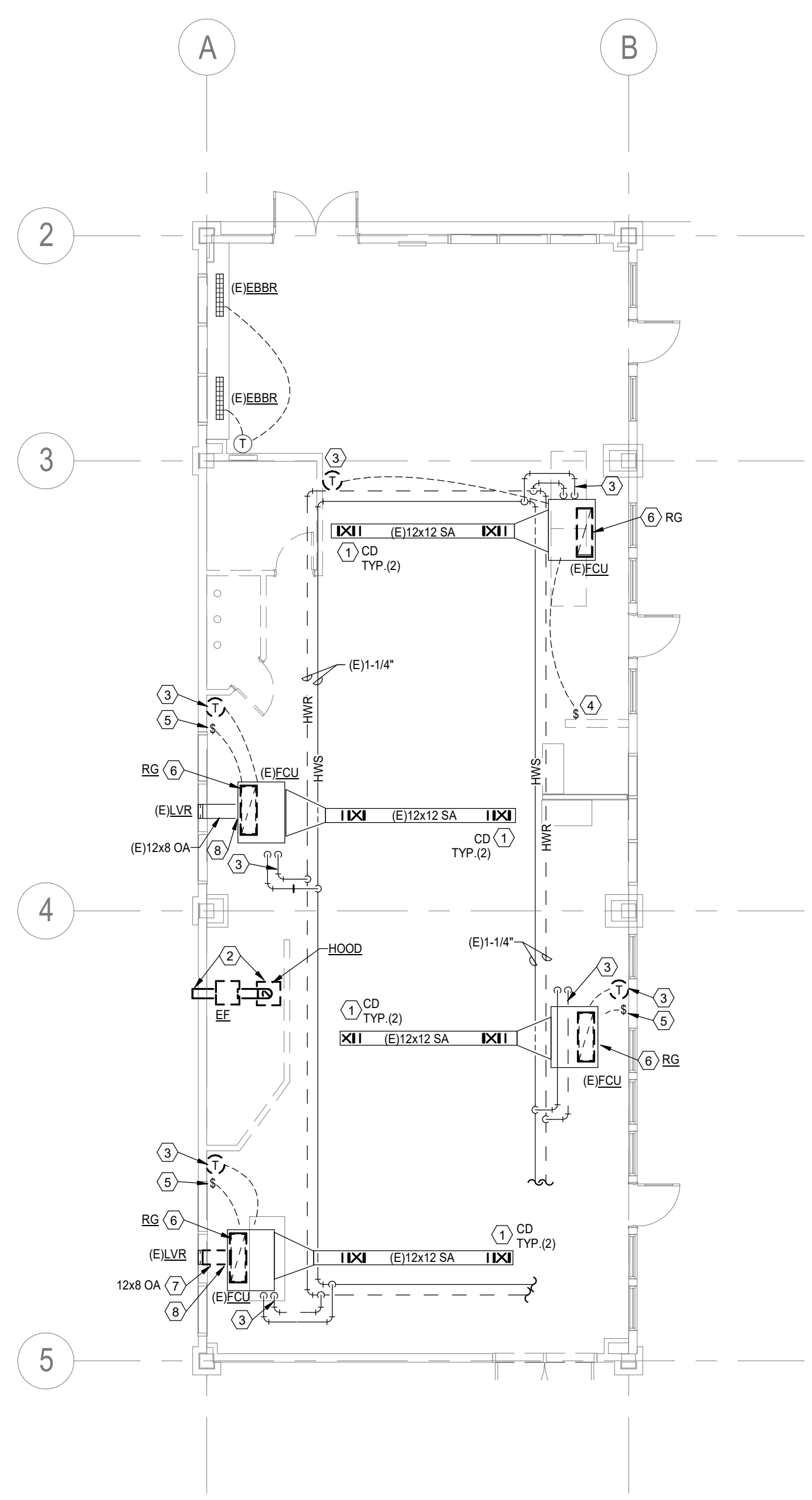
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**GONDOLA SQUARE**  
**BUILDING F**  
2305 Mt. Werner Circle  
Steamboat Springs, CO 80487



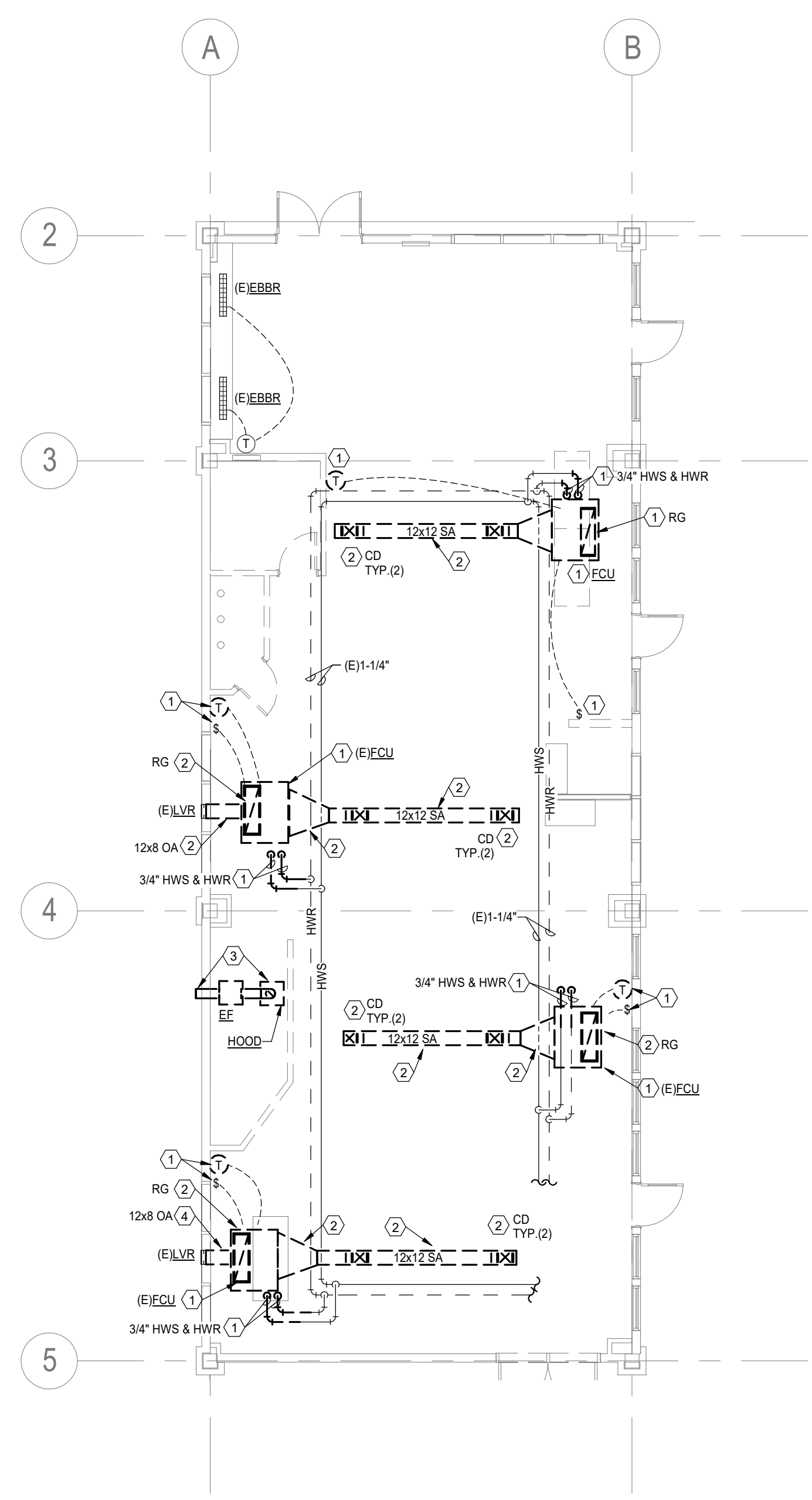
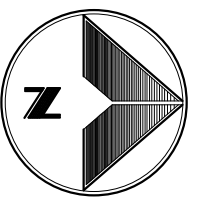
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<b>Project Phase</b>	CONSTRUCTION DOCUMENTS
<b>Sheet Title</b>	HVAC DEMOLITION FLOOR PLANS
<b>Sheet Number</b>	MD101



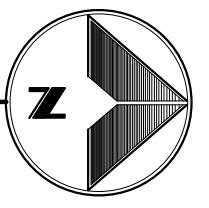
1. REMOVE AIR TERMINAL AND ASSOCIATED DUCTWORK  
DOWN FROM MAIN. CAP DUCTWORK TAKEOFF AT  
MAIN.
2. REMOVE EXISTING EXHAUST FAN, EXHAUST HOOD  
AND ALL ASSOCIATED DUCTWORK THROUGH WALL.  
REMOVE EXHAUST WALL CAP AND PROVIDE AIRTIGHT  
SEAL TO EXISTING OVER WALL OPENING WITH 2"  
RIGID INSULATION.
3. REMOVE EXISTING PNEUMATIC THERMOSTAT AND  
PNEUMATIC CONTROL VALVE. CAP ASSOCIATED  
PNEUMATIC COMPRESSED AIR LINES AIR TIGHT.
4. EXISTING SPEED SWITCH TO BE RELOCATED. MC TO  
COORDINATE WITH FIELD.
5. EXISTING SPEED SWITCH TO REMAIN.
6. REMOVE EXISTING RETURN GRILLE, DUCTWORK  
DOWN FROM FAN COIL UNIT TO REMAIN.
7. REMOVE EXISTING DUCTWORK AND ALL ASSOCIATED  
HANGERS AND ACCESSORIES. CAP EXTERIOR  
LOUVER AT WALL WITH 2" RIGID INSULATION AND  
SEALANT.
8. REMOVE EXISTING PNEUMATIC OUTSIDE AIR DAMPER  
ACTUATOR AND DAMPER ASSEMBLY. CAP  
ASSOCIATED PNEUMATIC COMPRESSED AIR LINES  
AIR TIGHT.

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



- ① REMOVE EXISTING FAN COIL UNIT, THERMOSTAT INDICATED, PNEUMATIC THERMOSTAT, SPEED SWITCH, ELECTRICAL CONNECTIONS, AND ALL ASSOCIATED ACCESSORIES, CAP EXPOSURE ISOLATION VALVES, AND CONTROL VALVE. CAP ASSOCIATED PNEUMATIC COMPRESSED AIR LINES AIR TIGHT.
- ② REMOVE EXISTING AIR DEVICES AND DUCTWORK AS INDICATED, ALONG WITH ALL ASSOCIATED HANGERS AND ACCESSORIES.
- ③ REMOVE EXISTING EXHAUST FAN, EXHAUST HOOD, AND ALL ASSOCIATED DUCTWORK THROUGH WALL. REMOVE EXHAUST WALL CAP AND PROVIDE AIRTIGHT SHEETMETAL CAP OVER WALL OPENING WITH 2" RIGID INSULATION.
- ④ REMOVE EXISTING DUCTWORK AND ALL ASSOCIATED HANGERS AND ACCESSORIES, CAP EXPOSURE LOUVER AT WALL WITH 2" RIGID INSULATION AND SHEETMETAL CAP.

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





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P.C. Smith Associates, P.C.

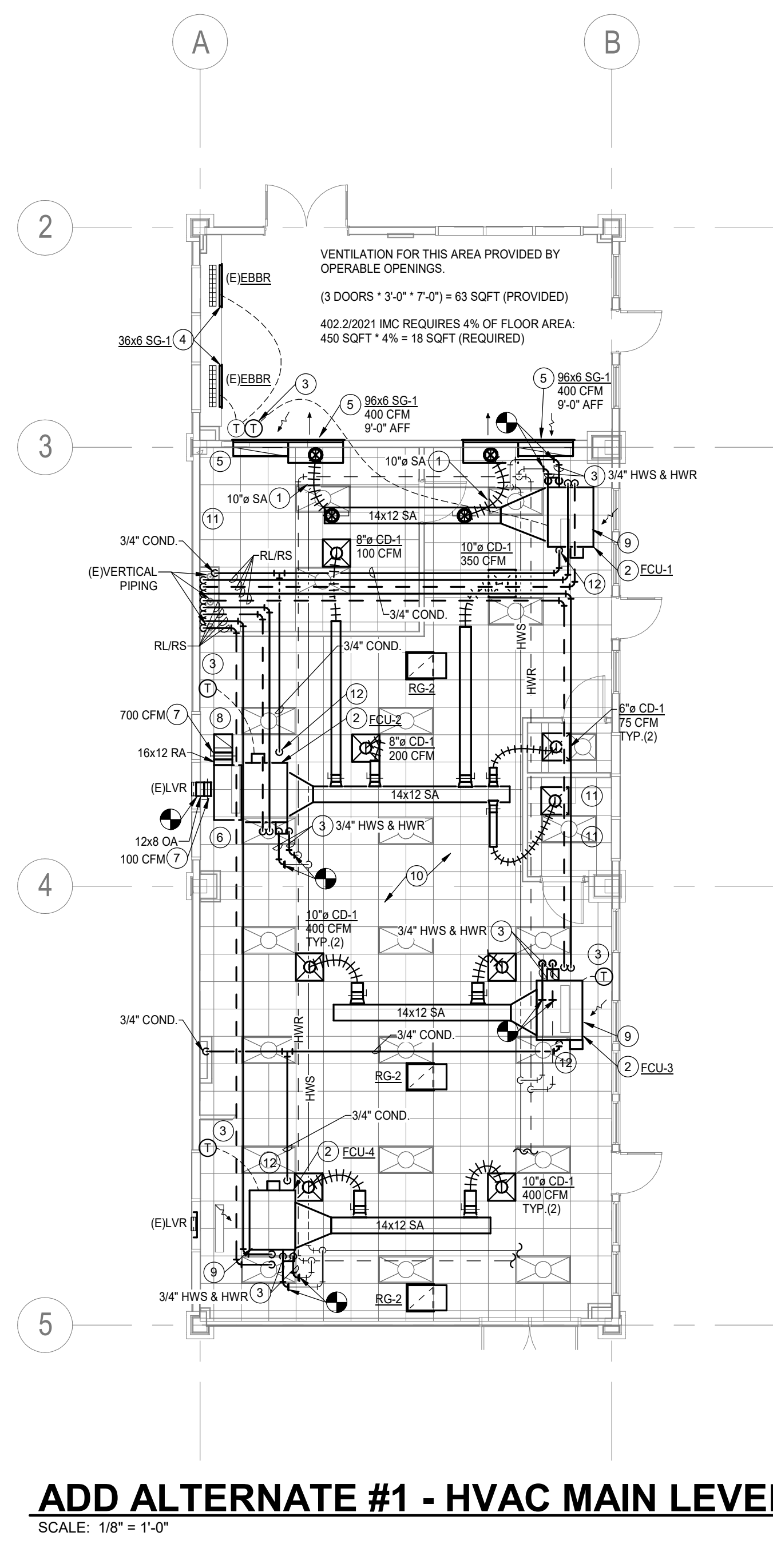
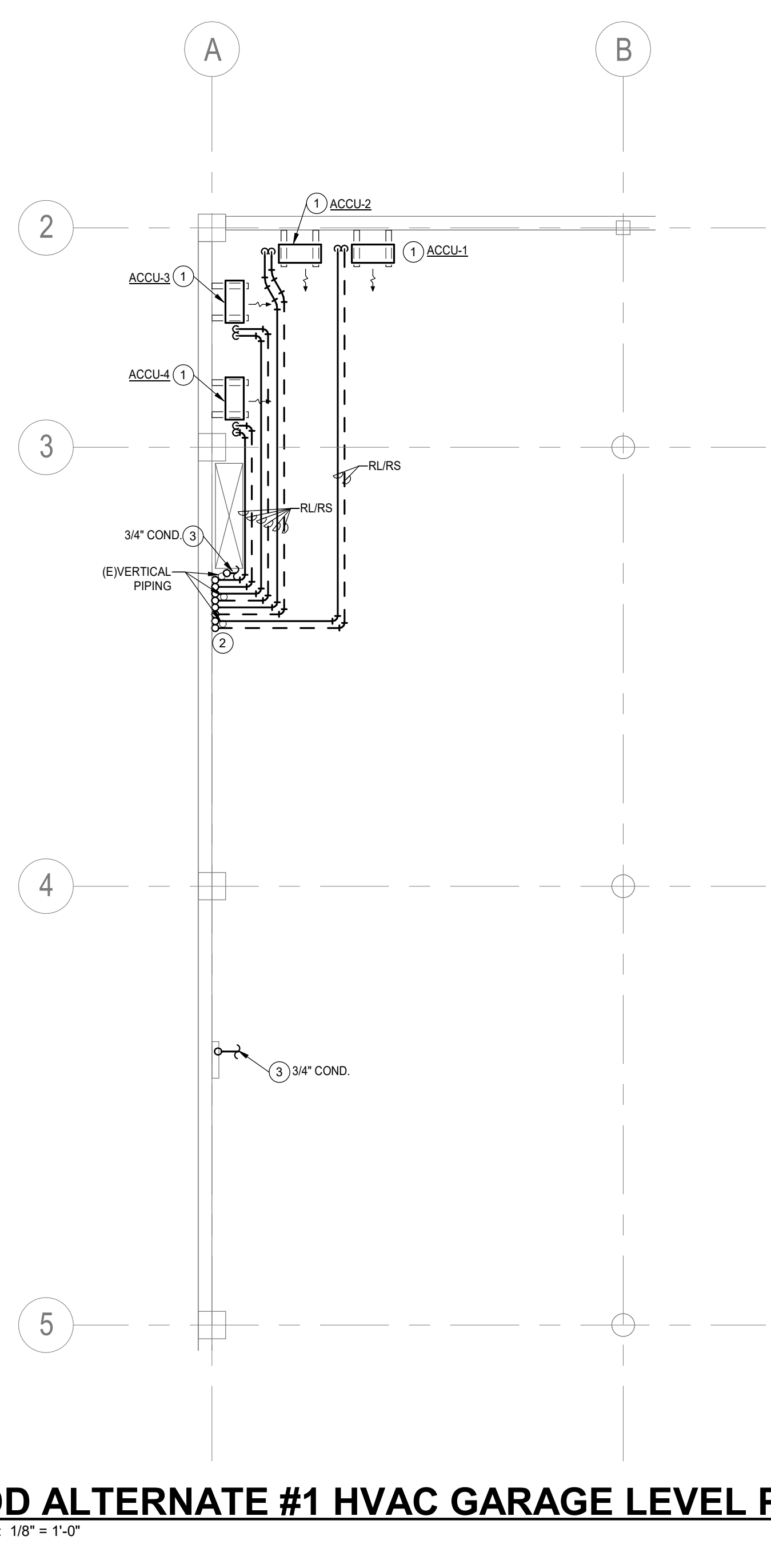
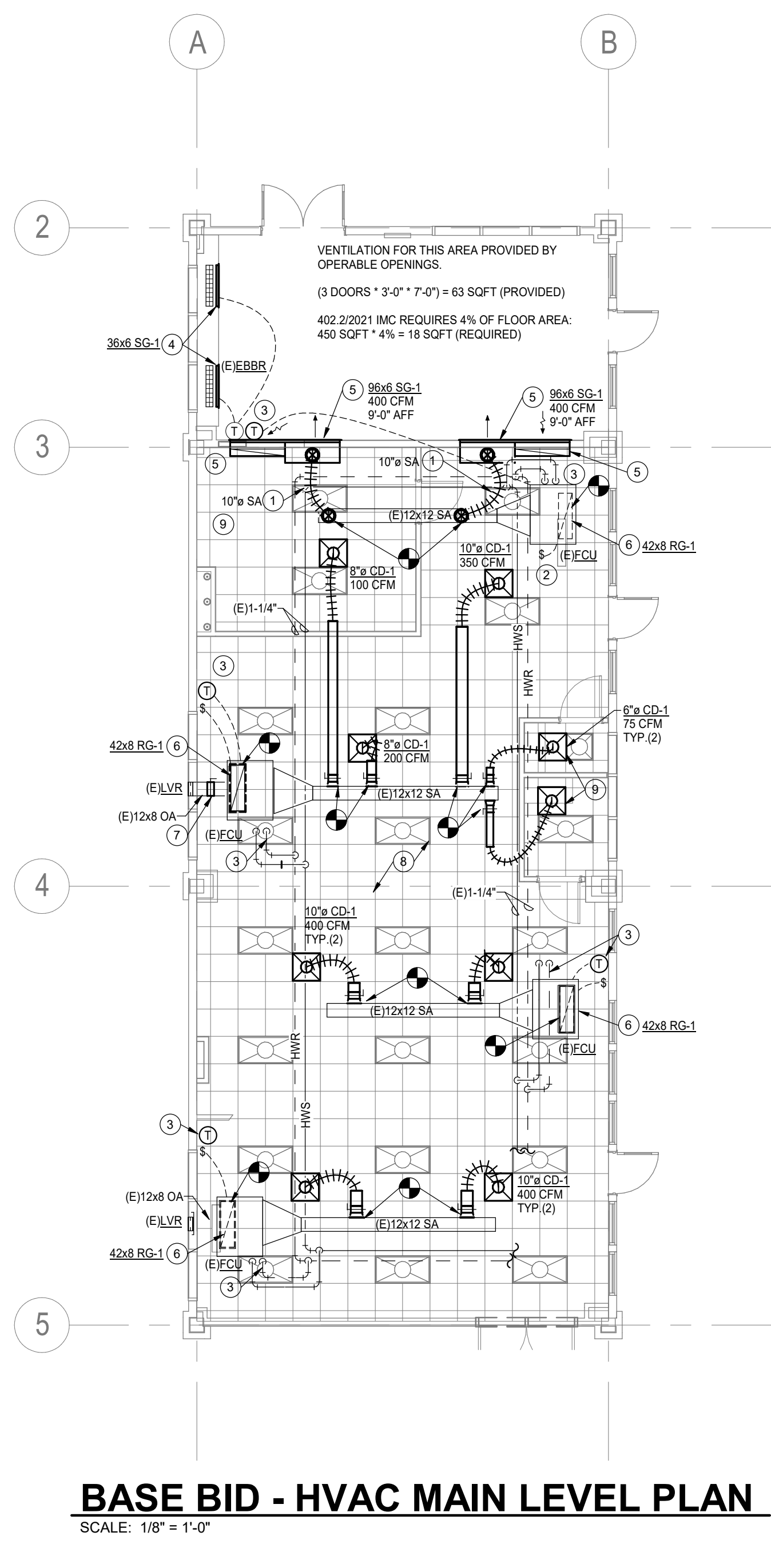
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HVAC FLOOR PLANS
<b>Sheet Number</b>
M101





## CONDENSING UNIT SCHEDULE (AIR COOLED)

CONDENSING UNIT SCHEDULE (AIR COOLED)													CODE COMPLIANCE 06/22/2024	
PLAN CODE	MANUFACTURER & MODEL NO.	CAPACITY			AMBIENT	ELECTRICAL			DIMENSIONS			WT. (LBS)	REMARKS	
		TONS	MBH	UNIT EER		V/ø/Hz	MCA	MOP	W	H	D			
ACCU-1	CARRIER 24AHA424	2	24.0	11.1	95	208/1/60	14.0	25.0	37"	32"	16"	150	NOTE: 1,2,3,4	
ACCU-2	CARRIER 24AHA418	1.5	18.0	11.1	95	208/1/60	11.8	20.0	37"	32"	16"	150	NOTE: 1,2,3,4	
ACCU-3	CARRIER 24AHA418	1.5	18.0	11.1	95	208/1/60	11.8	20.0	37"	32"	16"	150	NOTE: 1,2,3,4	
ACCU-4	CARRIER 24AHA418	1.5	18.0	11.1	95	208/1/60	11.8	20.0	37"	32"	16"	150	NOTE: 1,2,3,4	
NOTES: 1. MOUNT ON WALL WITH FIELD BUILT UNISTUT RACK WITH NEOPRENE-IN-SHEAR ISOLATORS. 2. PROVIDE WITH TXV, INLINE REMOVABLE FILTER DRIER, LIQUID AND SUCTION LINE SERVICE VALVES. 3. SINGLE STAGE SCROLL COMPRESSOR WITH HORIZONTAL CONDENSER FAN DISCHARGE. 4. PROVIDE MANUFACTURER'S REFRIGERANT PIPING LINESET.  *APPROVED ALTERNATE MANUFACTURER'S: TRANE, JCI														

GRILLES, REGISTERS & DIFFUSERS SCHEDULE									
PLAN CODE	MANUFACTURER & MODEL NO.	TYPE & SERVICE	NECK SIZE	FACE SIZE	VOLUME DAMPER (OBD)	MATERIAL	MOUNTING TYPE	FINISH	REMARKS
CD-1	PRICE SMD	SUPPLY	AS NOTED	24"x24"	NO	STEEL	LAY-IN	WHITE	NOTE: 1
SG-1	PRICE LBP	SUPPLY	AS NOTED	NECK + 1.0"	NO	ALUMINUM	SURFACE	NOTE: 4	NOTE: 2,3
RG-1	PRICE S35	RETURN	AS NOTED	NECK + 2.25"	NO	STEEL	LAY-IN	WHITE	
RG-2	PRICE PDDR	RETURN	AS NOTED	24"x24"	NO	STEEL	LAY-IN	WHITE	NOTE: 5

NOTES:  
1. PROVIDE FULL SIZE LOUVERED FACE DIFFUSER.  
2. PROVIDE CORE STYLE 15B: 3/32" BARS AND 1/2" SPACING WITH 1/2" FLANGE FRAME.  
3. CONTINUOUS LENGTH OF SIZE INDICATED ON DRAWINGS  
4. CUSTOM COLOR SELECTION PROVIDED BY ARCHITECT.  
5. PROVIDE FIELD FABRICATED SOUND BOOT, REFER TO DETAIL.

\*APPROVED ALTERNATE MANUFACTURER'S: KRUEGER, TITUS

