GENERAL NOTES

- ALL WORK SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH THE SUPPLEMENTAL UNIFORM AND FIRE PREVENTION BUILDING CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND ALL CODES LOCAL OR OTHERWISE HAVING JURISDICTION OVER THE WORK.
- 2. DUCTWORK & PIPING IS DIAGRAMMATICALLY SHOWN. EXACT ROUTING OF NEW PIPING & DUCTWORK SHALL BE DETERMINED IN FIELD AND COORDINATION DRAWINGS SHALL BE SUBMITTED IN CONJUNCTION WITH THE GENERAL CONTRACOTR FOR ENGINEER APPROVAL. SEE SPECIFICATION 01010.
- 3. THE WORDS PROVIDE OR INSTALL, SINGLY OR IN COMBINATION SHALL MEAN FURNISH AND INSTALL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- 4. THE CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING TO MATCH EXISTING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS WORK AND NEWLY INSTALLED WORK, INCLUDING PROTECTION OF BUILDING OCCUPANTS AND OWNERS EQUIPMENT, PUBLIC, AND PERSONNEL. PROVIDE APPROPRIATE BARRIERS, AND SAFETY GUARD RAILS AS REQUIRED.
- WHERE WELDING OR OPEN FLAME IS USED FOR CUTTING, SOLDERING, ETC., CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS AND A FIRE WATCH IN PROXIMITY OF WORK AREA. CONTRACTOR SHALL PROVIDE HOT WORK PERMIT WHERE NECESSARY.
- 7. ALL WORK SHALL BE COORDINATED WITH ALL TRADES RELATED TO THE COMPLETION OF THIS PROJECT.
- 8. THE CONTRACTOR SHALL FILE PLANS WITH THE GOVERNING AUTHORITIES HAVING JURISDICTION AND SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE INSTALLATION OF HIS WORK.
- 9. THE CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORK INSTALLED TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, AFTER ACCEPTANCE OF THE INSTALLATION BY THE ENGINEER AND OWNER. THE CONTRACTOR SHALL SUBMIT IN WRITING TO OWNER STATING THE SAME. EQUIPMENT WARRANTEES OF A LONGER DURATION SHALL APPLY.
- 10. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, HIS REPRESENTATIVES AND THE ENGINEER FROM ANY CLAIMS OR SUITS RESULTING IN NEGLIGENCE ON THE PART OF THE CONTRACTOR AND FOR FAILING TO EXECUTE HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 11. THE CONTRACTOR SHALL PROVIDE ALL RIGGING, HOISTING AND SCAFFOLDING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
- 12. ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AND WORKMEN EXPERIENCED IN THE TRADE HAVING JURISDICTION. ALL WORK SHALL BE SUPERVISED AT ALL TIMES AND WORKMANSHIP SHALL BE FIRST CLASS IN ALL RESPECTS AND IN ACCORDANCE WITH BEST TRADE PRACTICES.
- 13. ANY DEVIATION OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND SIGNED BY THE OWNER. ANY WORK INSTALLED WITHOUT PRIOR APPROVAL OF THE ENGINEER AND OWNER OR FOUND TO BE DEFECTIVE IN ANY WAY SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 14. ALL CONSTRUCTION WORK SHALL BE CONFINED TO THE AREA INDICATED ON PLANS AND SHALL NOT BLOCK MEANS OF EGRESS FOR OCCUPANTS OF THE BUILDING.
- 15. PATCHING OF WALLS, FLOORS, ETC. SHALL BE BY TRADE WHO PERFORMED WORK UNLESS OTHERWISE NOTED AND SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. WORK AREA SHALL BE LEFT BROOM CLEAN AT THE END OF EACH DAY. ALL DISCARDED AND DEMOLISHED MATERIAL AND RUBBISH SHALL BE REMOVED FROM PREMISES DAILY IN A LEGAL AND APPROVED MANNER. FINAL PATCHING AND PAINTING SHALL BE PERFORMED BY GENERAL CONTRACTOR.
- 16. THE CONTRACTOR SHALL SUBMIT DIGITAL COPIES OF SHOP DRAWINGS OF ALL EQUIPMENT, PIPING, DUCTWORK, AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION OF NEW WORK, WITHIN TWO WEEKS AFTER AWARD OF CONTRACT. SHOP DRAWINGS SHALL INDICATE ALL TECHNICAL DATA, STRUCTURAL MEMBERS, WALLS, FLOORS, DUCTWORK, ETC., WITH ELEVATIONS AT WHICH NEW WORK IS TO BE INSTALLED. ANY DEVIATION IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND OWNER. THE ENGINEER SHALL REVIEW AND TURN AROUND SHOP DWGS. WITHIN (7) DAYS OF RECEIPT OF SAME.
- 17. THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF CONTRACT DRAWINGS.
- 18. THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF SHOP DRAWINGS IN WHICH ANY DEVIATIONS FROM THE ORIGINAL DESIGN SHALL BE NOTED.
- 19. ALL WORK SHOWN ON ALL DRAWINGS IS TO BE PROVIDED UNLESS OTHERWISE NOTED.
- 20. ALL PENETRATIONS THROUGH PARTITIONS, FLOORS, WALLS AND ROOF FOR ALL PIPING, CONDUIT AND DUCTWORK SHALL BE SEALED AND FIRE SAFED OFF TO MAINTAIN FIRE INTEGRITY OF EXISTING STRUCTURE.
- 21. THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF SHOP DRAWINGS IN WHICH ANY DEVIATIONS FROM THE ORIGINAL DESIGN SHALL BE NOTED. UPON COMPLETION OF THE INSTALLATION OF NEW WORK THE CONTRACTOR SHALL TURN OVER TO THE OWNER AND ENGINEER (1) SET OF AS-BUILT REPRODUCIBLE DRAWINGS AND (1) SET OF PRINTS INCLUDING ALL APPROVED FIELD CHANGES AND DESIGN DEVIATIONS PRIOR TO RECEIPT OF FINAL PAYMENT BY OWNER.

HVAC NOTES

- 1. PROVIDE VOLUME DAMPERS AS INDICATED ON DRAWINGS AND AT ALL BRANCH DUCT TAKE OFFS FROM DUCT MAINS AND TO DIFFUSERS, REGISTERS AND GRILLES ONLY IN NON-CLASSIFIED SPACES. VOLUME DAMPERS SHALL BE OPPOSED BLADE OR BUTTERFLY TYPE, GALVANIZED STEEL THAT CAN BE MANUALLY ADJUSTED AND LOCKED IN PLACE EXTERNALLY OF THE DUCT. PROVIDE LOCKING QUADRANT. ALL CONCEALED DAMPERS SHALL BE PROVIDED WITH ACCESS DOORS
- 2. PROVIDE SLEEVES FOR ALL DUCTS PENETRATING AND PASSING THROUGH ALL PARTITIONS, FLOORS, CEILINGS AND WALLS, ALLOW ROOM IN SLEEVE FOR INSULATION. SLEEVES SHALL BE MINIMUM OF 22 GAUGE SHEET METAL. PACK ANNULAR SPACE IN SLEEVE AROUND DUCT WITH FIRE RATED MATERIAL, SIMILAR TO THERMAFIBER. SEAL AND CAULK ALL WALL, FLOOR, CEILING AND SLAB OPENINGS WITH U.L. APPROVED FIRE RATED MATERIAL TO PREVENT TRANSMISSION OF ODORS AND SMOKE TO ADJACENT SPACES. ALL DUCT PENETRATIONS OF FIRE RATED WALLS AND SLABS SHALL BE EQUIPPED WITH FIRE/SMOKE RATED DAMPERS
- 3. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL CEILINGS, DUCTS, CHASES AND WALLS AS REQUIRED FOR ACCESS TO ALL CONCEALED OPERATING DEVICES INCLUDING BUT NOT LIMITED TO FIRE DAMPERS, VOLUME DAMPERS, CONTROL DAMPERS AND BOXES, ETC.
- 4. ALL HVAC WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE, STATE AND LOCAL BUILDING CODES, SMACNA AND ASHRAE STANDARDS, NFPA-90A, ALL CODES AND ORDINANCES HAVING JURISDICTION, AND IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- 5. UPON COMPLETION OF ALL WORK, ALL EQUIPMENT AND DUCTWORK SHALL BE THOROUGHLY CLEANED AND LEFT IN FIRST CLASS CONDITION.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EQUIPMENT UNDER THIS SECTION UNTIL FINAL ACCEPTANCE BY THE ENGINEER.
- ALL EQUIPMENT SHALL BE TESTED IN ACCORDANCE WITH ALL APPLICABLE CODES, MANUFACTURER SPECIFICATIONS, AND TO THE SATISFACTION OF THE ENGINEER.
- 8. BALANCE AND ADJUST AIRFLOW TO REGISTERS AND GRILLES AS INDICATED ON DRAWINGS. ALL SYSTEMS SHALL BE BALANCED TO WITHIN 10% OF DESIGN FLOW WITH REPORT SUBMITTED TO OWNER. BALANCING WORK SHALL BE PERFORMED BY AN INDEPENDENT CERTIFIED BALANCING CONTRACTOR WHO IS CERTIFIED BY AABC OR NEBB. SUBMIT BALANCING REPORT TO ENGINEER FOR APPROVAL.
- 9. ALL DUCTWORK SHALL BE STAINLESS STEEL SHEET METAL UNLESS OTHERWISE NOTED AND SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA METAL AND FLEXIBLE DUCT CONSTRUCTION STANDARDS LATEST EDITION AND APPLICABLE CODES. ALL DUCTWORK SIZES SHOWN ARE SHEETMETAL SIZES, AND REDUCTIONS IN FREE AREA CREATED BY INTERNAL SOUND-LINING ARE ACCOUNTED FOR IN DESIGN.
- 10. CONTRACTOR SHALL PROVIDE ALL CONTROLS, AND CONTROL WIRING AS REQUIRED FOR COMPLETE CONTROL OF EQUIPMENT FOR A COMPLETE FUNCTIONING SYSTEM. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL
- 11. INSTALL ALL REQUIRED APPURTENANCES PER CODE WHETHER SPECIFIED OR NOT FOR COMPLETE FUNCTIONING SYSTEMS.
- 12. HVAC INSULATION (AS MANUFACTURED BY OWENS CORNING, KNAUF, SCHULLER, OR ENGINEERED APPROVED EQUAL)
- 13. ALL INSULATION TO BE APPLIED IN FULLY ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND COMPLY WITH 25/50 FLAME AND SMOKE HAZARD RATINGS PER ASTM E-84, NFPA 255 AND UL 723.
- 14. INSULATE AIR CONDITIONING CONDENSATE DRAIN PIPING WITH 1" THICK MOLDED FIBER GLASS INSULATION.

DEMOLITION GENERAL NOTES

- 1. THE DEMOLITION, MODIFICATION OR ALTERATION OF EXISTING BUILDINGS, EQUIPMENT, OR MATERIALS SHALL BE COMPLAINT TO ALL LOCAL REGULATIONS AND STATE CODES.
- 2. FOR MAINTENANCE OF EXISTING PLANT OPERATION AND FOR DEMOLITION SEQUENCE, REFER TO SPECIFICATIONS. CONTRACTOR SHALL PROVIDE TEMPORARY FACILITIES WHERE NECESSARY.
- 3. INCORPORATE NYPA ENVIRONMENTAL SPECIFICATION AS NECESSARY FOR REMOVAL OF HAZARDOUS MATERIALS, INCLUDING OIL, MERCURY, PCBS, LEAD, ASRESTOS, ETC.

GENERAL ABBREVIATIONS

CD -

TSP -

(TYP.) -

ABOVE FINISHED FLOOR

CONDENSATE DRAIN

DIFFERENTIAL PRESSURE D.P. -EXHAUST AIR EAT -ENTERING AIR TEMPURATURE EF -EXHAUST FAN EG -EXHAUST GRILLE ELECTRIC BASEBOARD HEATER EB -ELECTRIC UNIT HEATER EL -ELEVATION ESP -EXTERNAL STATIC PRESSURE FLEXIBLE CONNECTION **FULL LOAD AMPS** LEAVING AIR TEMPURATURE MCA -MINIMUM CIRCUIT AMPACITY MD -MOTORIZED DAMPER MAXIMUM OVER CURRENT PROTECTION MOCP -NTS -NOT TO SCALE **OUTSIDE AIR** RETURN AIR RAG -RETURN AIR GRILLE REFRIGERANT SUCTION REFRIGERANT LIQUID **ROOF TOP UNIT** SUPPLY AIR SD -SUPPLY DIFFUSER SUPPLY FAN SUPPLY GRILLE STD -STANDARD

SYMBOLS

TOTAL STATIC PRESSURE

TYPICAL

- SUPPLY DUCT RISER

- RETURN DUCT RISER

- EXHAUST DUCT RISER

- WORK TO BE PROVIDED

- EXISTING CONDITIONS/WORK BY OTHER TRADES



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ROCKLAND COUNTY S NOTES, LEGEND, AND

JULY 2021

DATE: JULY 2021

SCALE: NO SCALE

DRAWN: JSR

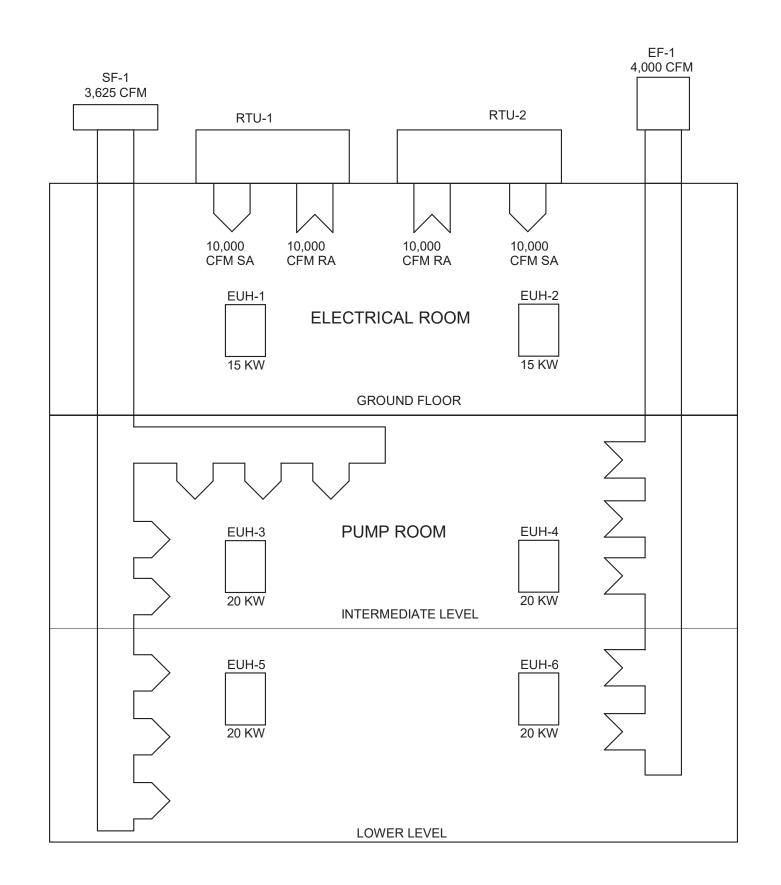
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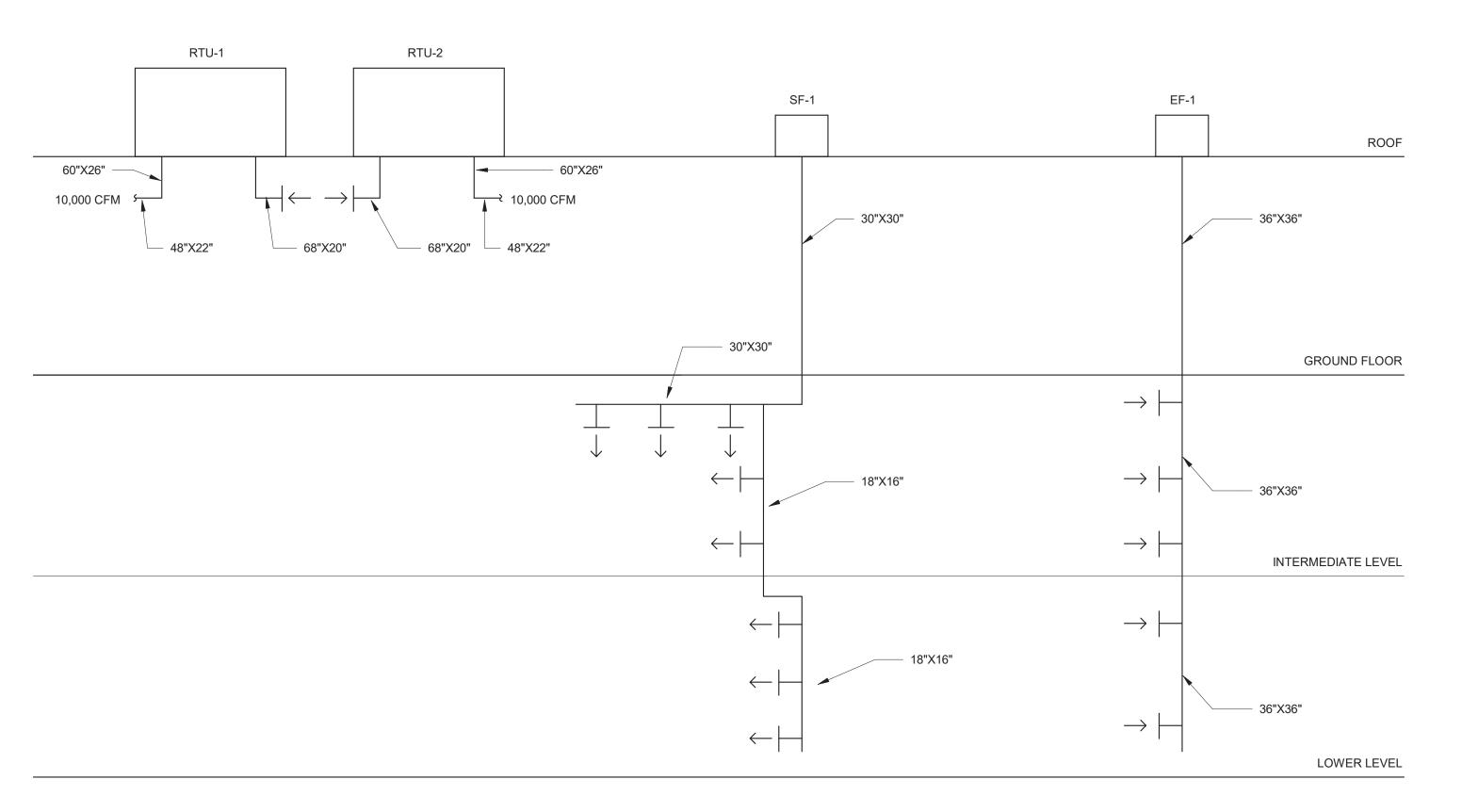
edr Job#: 19190

CONTRACT NO: RFB-RC-SWR-CIP 2020-02

H-001

DRAWING NUMBER:





1 AIRFLOW DIAGRAM 1/2" = 1'-0"

2 Riser Diagram 1/2" = 1'-0"

					FAN SCHEDULE					
UNIT NO.	AIRFLOW	RPM	WEIGHT	DRIVE TYPE	ESP	BHP	HP	ELECTRICAL	MANUFACTURER	MODEL
EF-1	4000 CFM	1725	440.00 lb	BELT	0.50 in-wg	.98	1	480/3/60	GREENHECK	TCBRU-1-22-10
SF-1	3625 CFM	1725	495.00 lb	BELT	0.50 in-wg	.98	1	480/3/60	GREENHECK	TCBRS-1-18-10

					ROOF TO	P UNIT SCHE	DULE				
UNIT NO.	AIRFLOW	ESP	TOTAL COOLING	SENSIBLE COOLING	REFRIGERANT	VOLTAGE	FLA	MCA	MOP	WEIGHT	MANUFACTURER & MODEL
RTU-1	10000 CFM	0.69 in-wg	299000.0 Btu/h	229300.0 Btu/h	R-410A	460 V	38 A	56 A	70 A	2175.00 lbf	JOHNSON CONTROLS AD25C0BV4A1CAH11A1
RTU-2	10000 CFM	0.69 in-wg	299000.0 Btu/h	229300.0 Btu/h	R-410A	460 V	38 A	56 A	70 A	2175.00 lbf	JOHNSON CONTROLS AD25C0BV4A1CAH11A1
RTU-7											

	ELECTRTIC UNIT HEATER SCHEDULE							
UNIT NO.	INPUT	TEMPERATURE SETPOINT	CFM	OUTPUT (BTU/HR)	ELECTRICAL	MANUFACTURER & MODEL		
EUH-1	15 KW	50 F	1450	51,180	480/3/60	Q MARK GUX15004832		
EUH-2	15 KW	50 F	1450	51,180	480/3/60	Q MARK GUX15004832		
EUH-3	20 KW	50 F	1400	68,240	480/3/60	Q MARK GUX20004832		
EUH-4	20 KW	50 F	1400	68,240	480/3/60	Q MARK GUX20004832		
EUH-5	20 KW	50 F	1400	68,240	480/3/60	Q MARK GUX20004832		
EUH-6	20 KW	50 F	1400	68,240	480/3/60	Q MARK GUX20004832		

ELECTRIC BASEBOARD SCHEDULE					
UNIT NO.	CAPACITY	ELECTRICAL	MANUFACTURER AND MODEL		
EB-1	1.8 KW	480/3/60	QMARK ICG180483		

AIR TERMINAL SCHEDULE							
MARK	SIZE	MANUFACTURER	MODEL				
EG-1	18"x12"	TITUS	350FL				
RG-1	48"x24"	TITUS	350FL				
SG-1	48"x18"	TITUS	300FL				
SG-2	18"x10"	TITUS	300FL				
	EG-1 RG-1 SG-1	MARK SIZE EG-1 18"x12" RG-1 48"x24" SG-1 48"x18"	MARK SIZE MANUFACTURER EG-1 18"x12" TITUS RG-1 48"x24" TITUS SG-1 48"x18" TITUS				



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MAIN PUMP STATION UPGRADE	ROCKLAND COUNTY SEWER DISTRICT NO 1	AIRFLOW DIAGRAM, RISERS, AND SCHEDULES
PROJECT TITLE:	CLIENT:	DRAWING TITLE:

DATE: JULY 2021

SCALE: 1/2" = 1'-0"

DRAWN: JSR

CHECKED: GRL

edr Job#: 19190

CONTRACT NO: RFB-RC-SWR-CIP 2020-02

DEMOLISH 12"X12". CONTRACTOR SHALL FILL IN EXISTING PENETRATION WITH LIKE-KIND MATERIAL. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

1) LOWER LEVEL DEMOLITION 1/4" = 1'-0"

- LOWER LEVEL MAIN PUMP STATION UPGRADE ROCKLAND COUNTY SEWER DISTRICT NO

DEMOLISH 12"X12" DUCT
CONTRACTOR SHALL FILL
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WITH LIKE-KIND MATERIAL.
REFER TO ARCHITECTURAL

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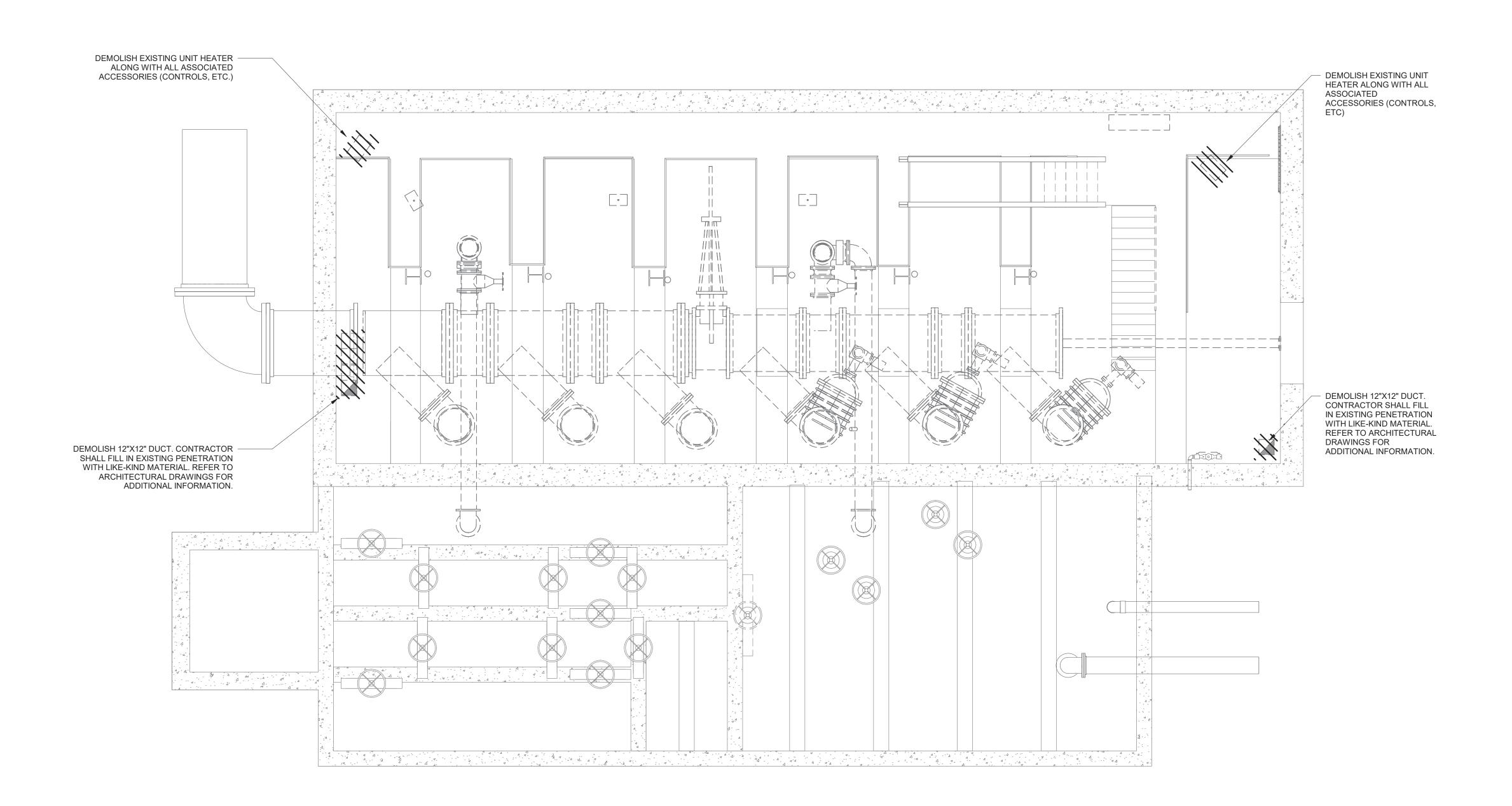
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DATE: JULY 2021 SCALE: 1/4" = 1'-0" DRAWN: JSR

CHECKED: GRL edr Job#: 19190 CONTRACT NO: RFB-RC-SWR-CIP 2020-02

DRAWING NUMBER:



1 INTERMEDIATE LEVEL DEMOLITION 1/4" = 1'-0"





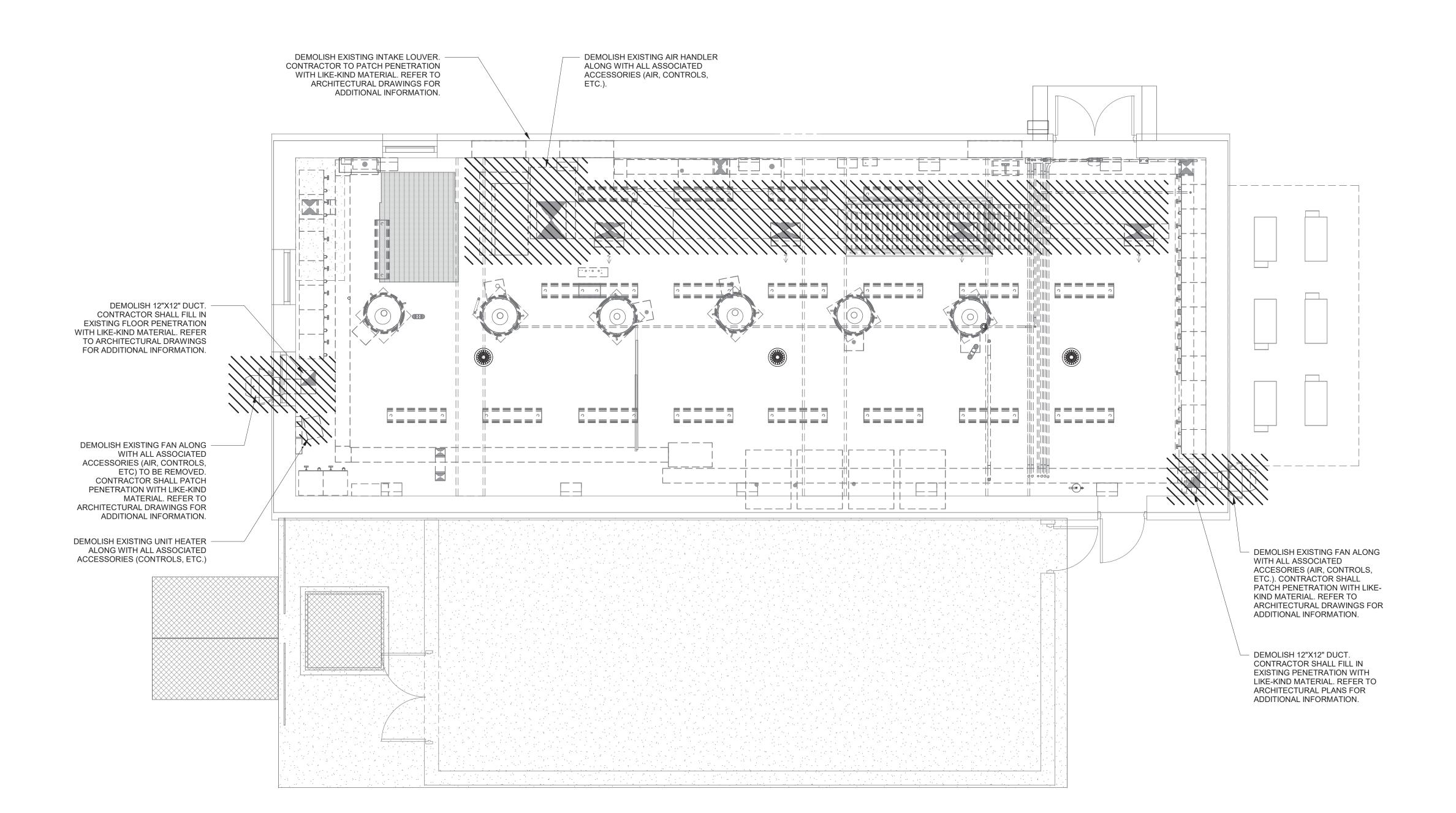
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CONTRACT NO: RFB-RC-SWR-CIP 2020-02 DRAWING NUMBER:



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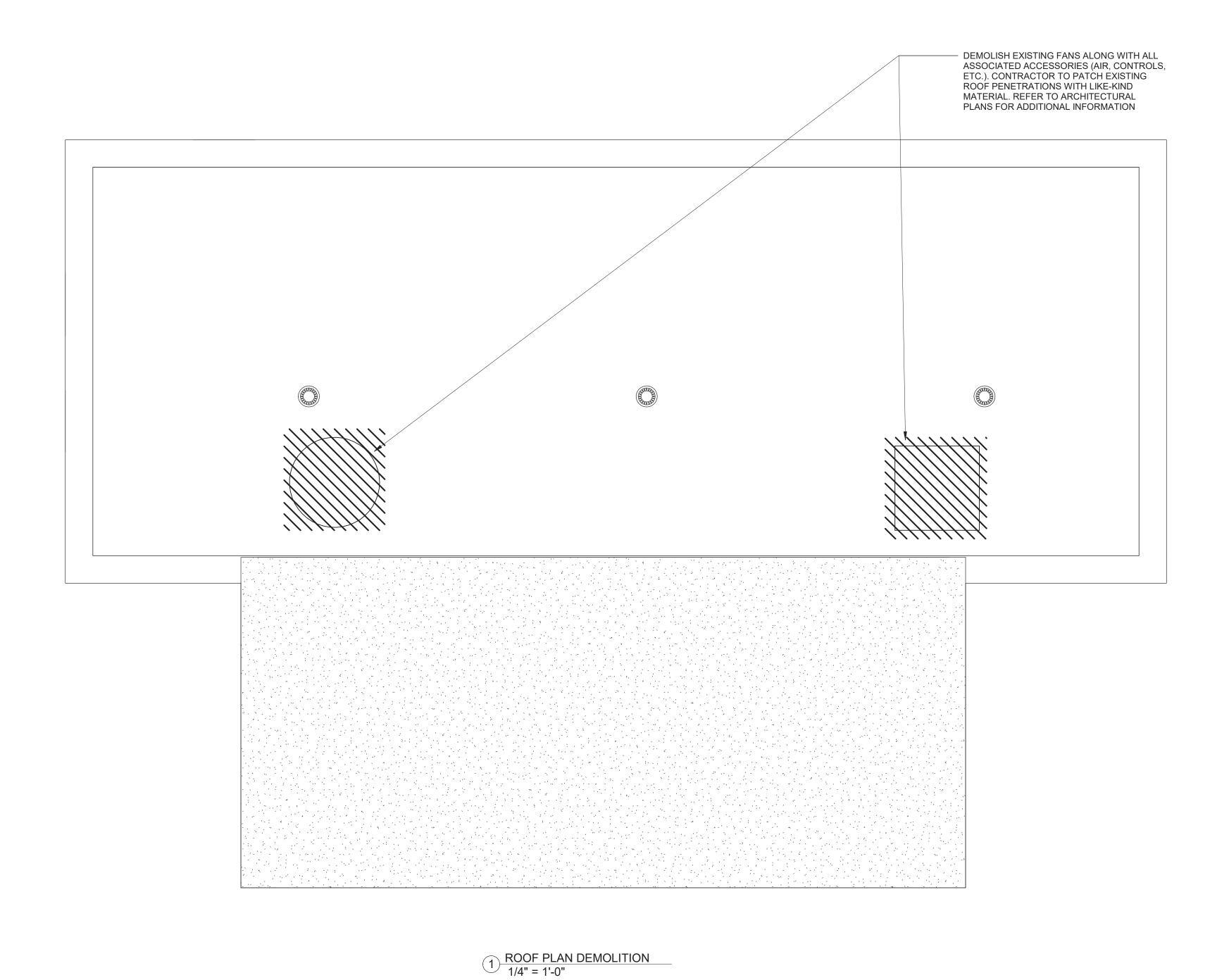
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CONTRACT NO: RFB-RC-SWR-CIP 2020-02

1) GROUND FLOOR PLAN DEMOLITION 1/4" = 1'-0"



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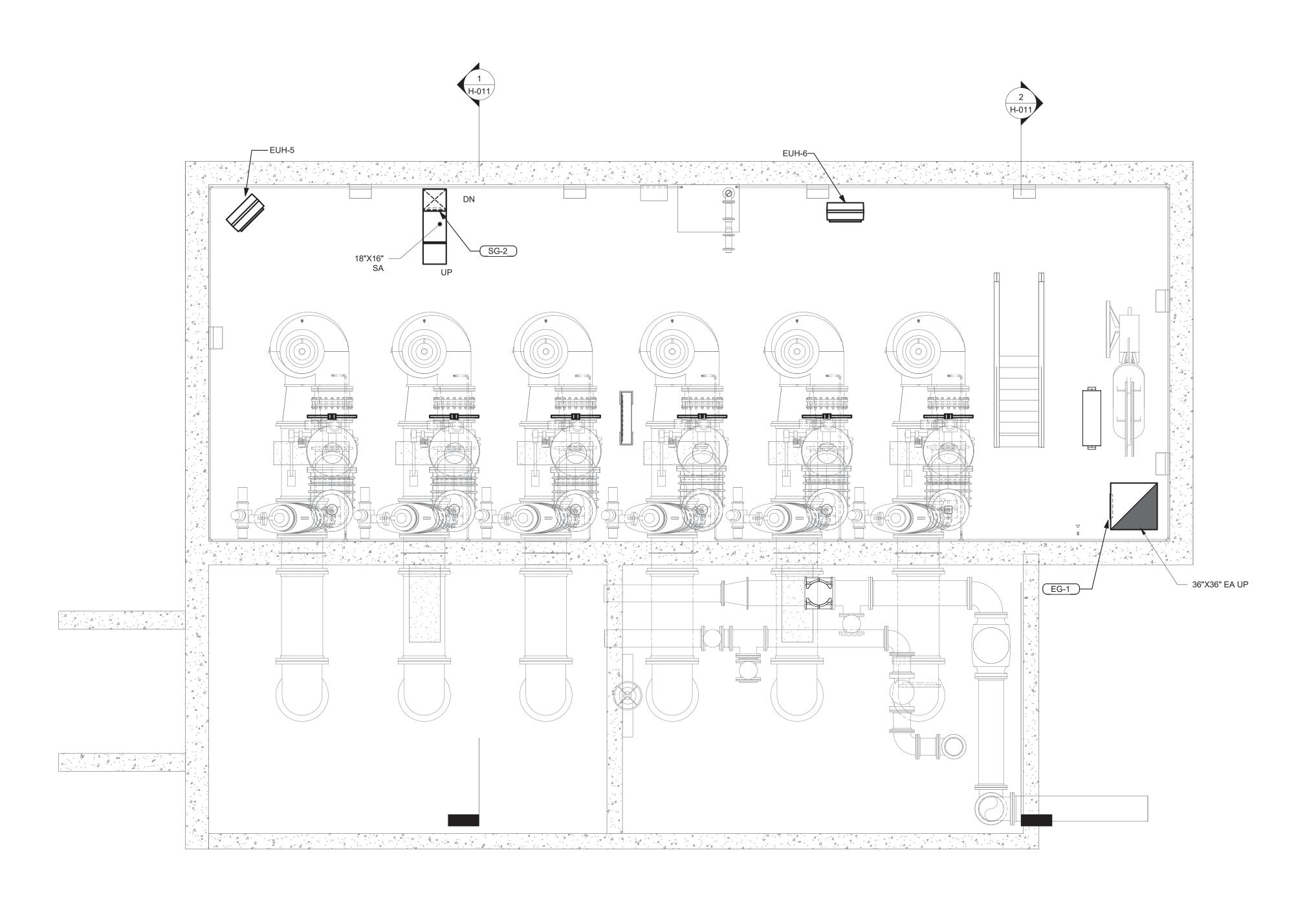


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edr Job#: 19190 CONTRACT NO: RFB-RC-SWR-CIP 2020-02 DRAWING NUMBER:



1 HVAC LOWER LEVEL PLAN 1/4" = 1'-0"



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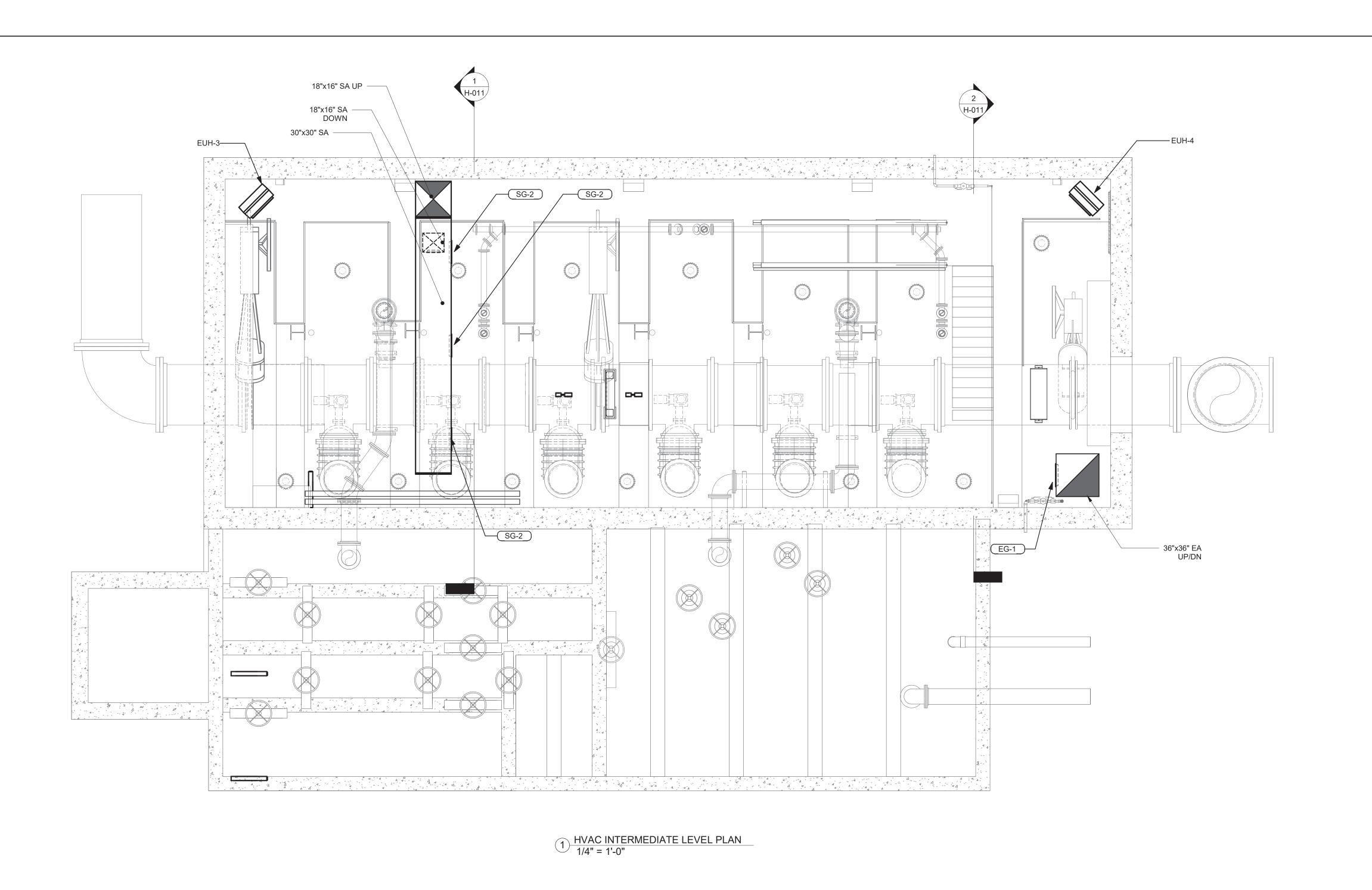
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MAIN PUMP STATION UPGRADE	ROCKLAND COUNTY SEWER DISTRICT NO 1	PUMP STATION - LOWER LEVEL PLAN
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CONTRACT NO: RFB-RC-SWR-CIP 2020-02

DRAWING NUMBER:



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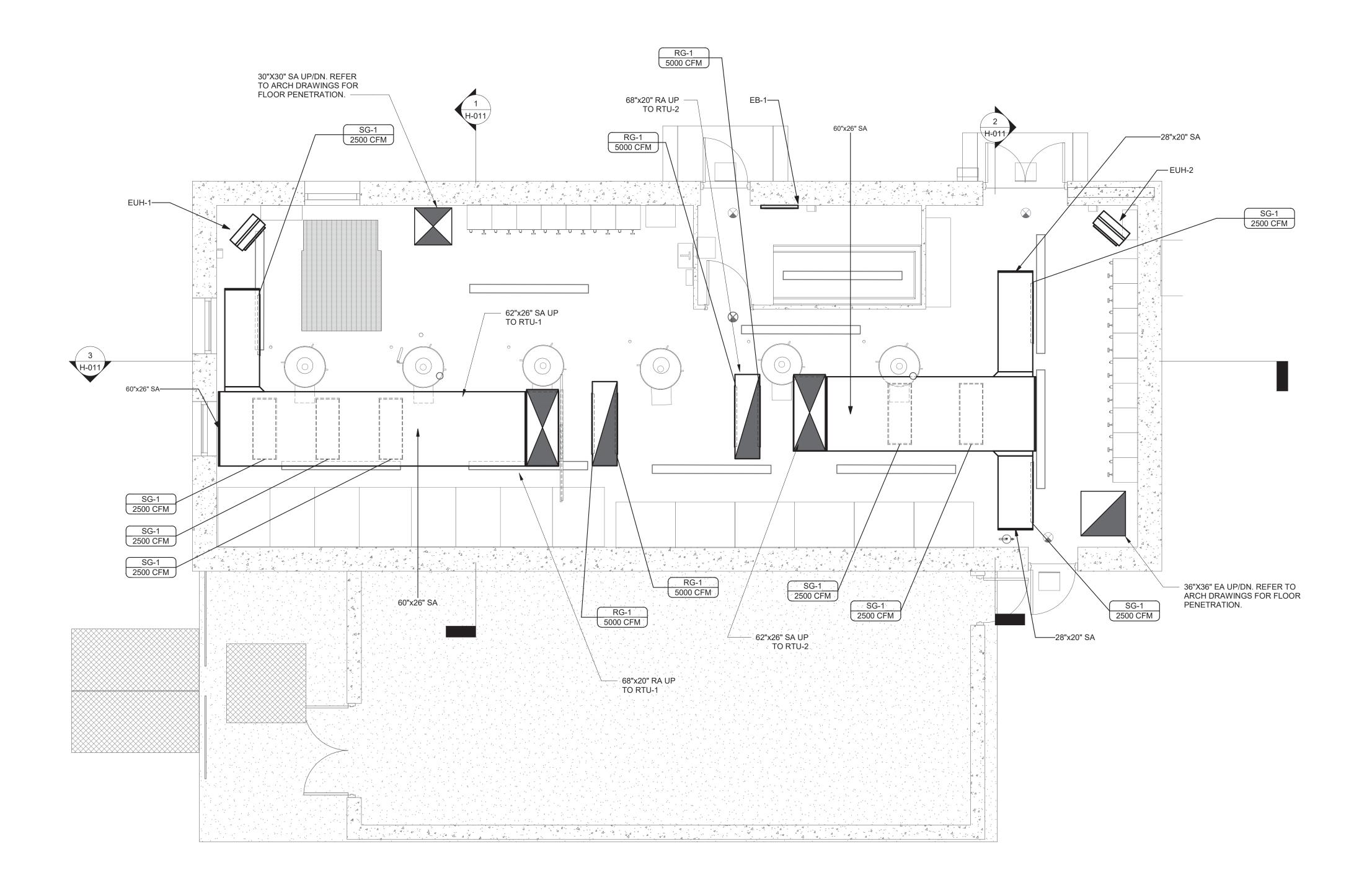
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edr Job#: 19190

CONTRACT NO: RFB-RC-SWR-CIP 2020-02

DRAWING NUMBER:



1 HVAC GROUND FLOOR PLAN 1/4" = 1'-0"



Landscape Architecture, Engineering & Environmental Services, D.P.C.

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Syracuse, New York 13202
P. 315.471.0688



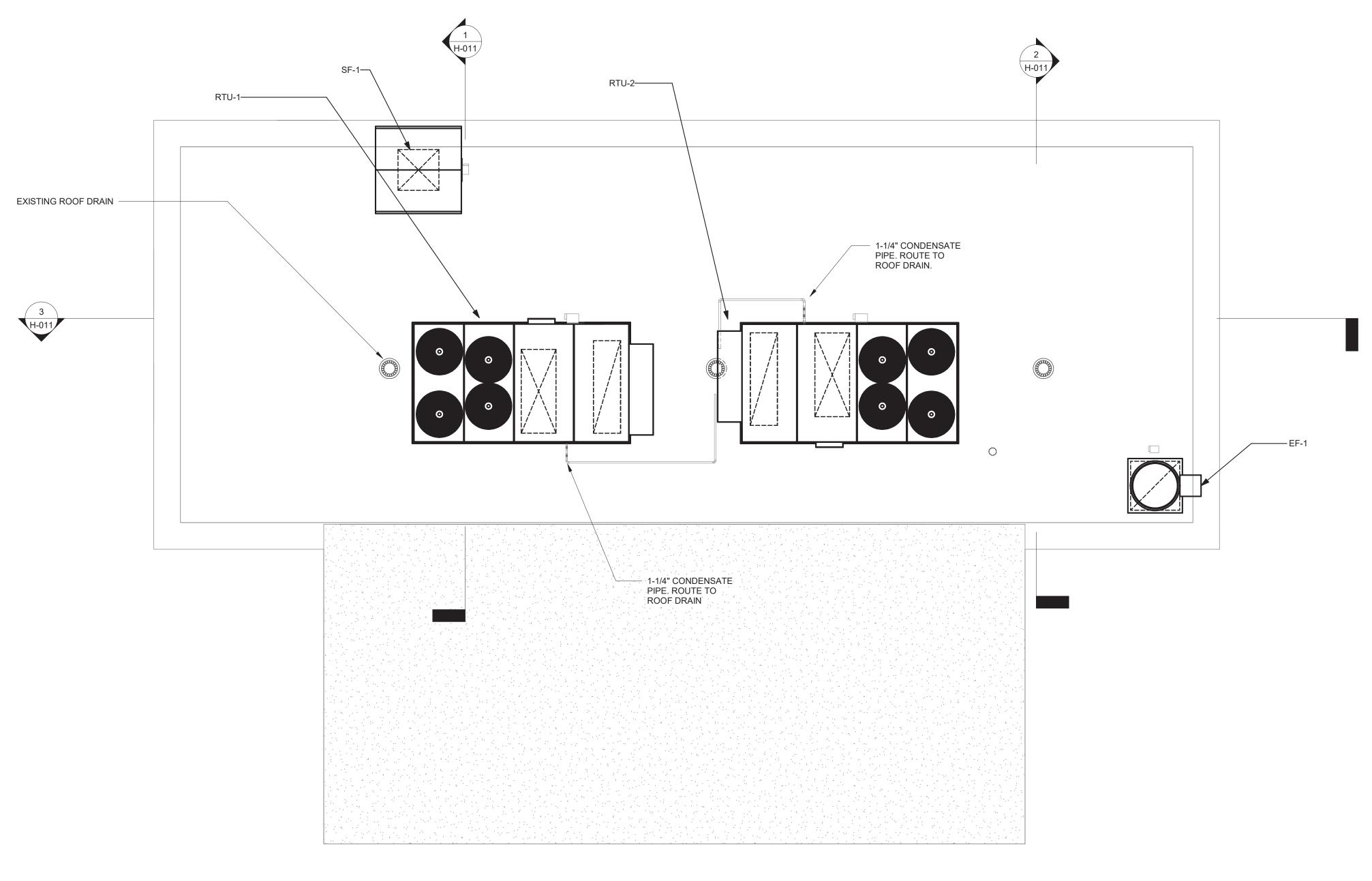
MAIN PUMP STATION UPGRADE	ROCKLAND COUNTY SEWER DISTRICT NO 1	PUMP STATION - GROUND FLOOR PLAN
MAIN PUMP S	ROCKLAND COU	PUMP STATION -

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DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	JSR
CHECKED:	GRL

edr Job#: 19190

CONTRACT NO: RFB-RC-SWR-CIP 2020-02

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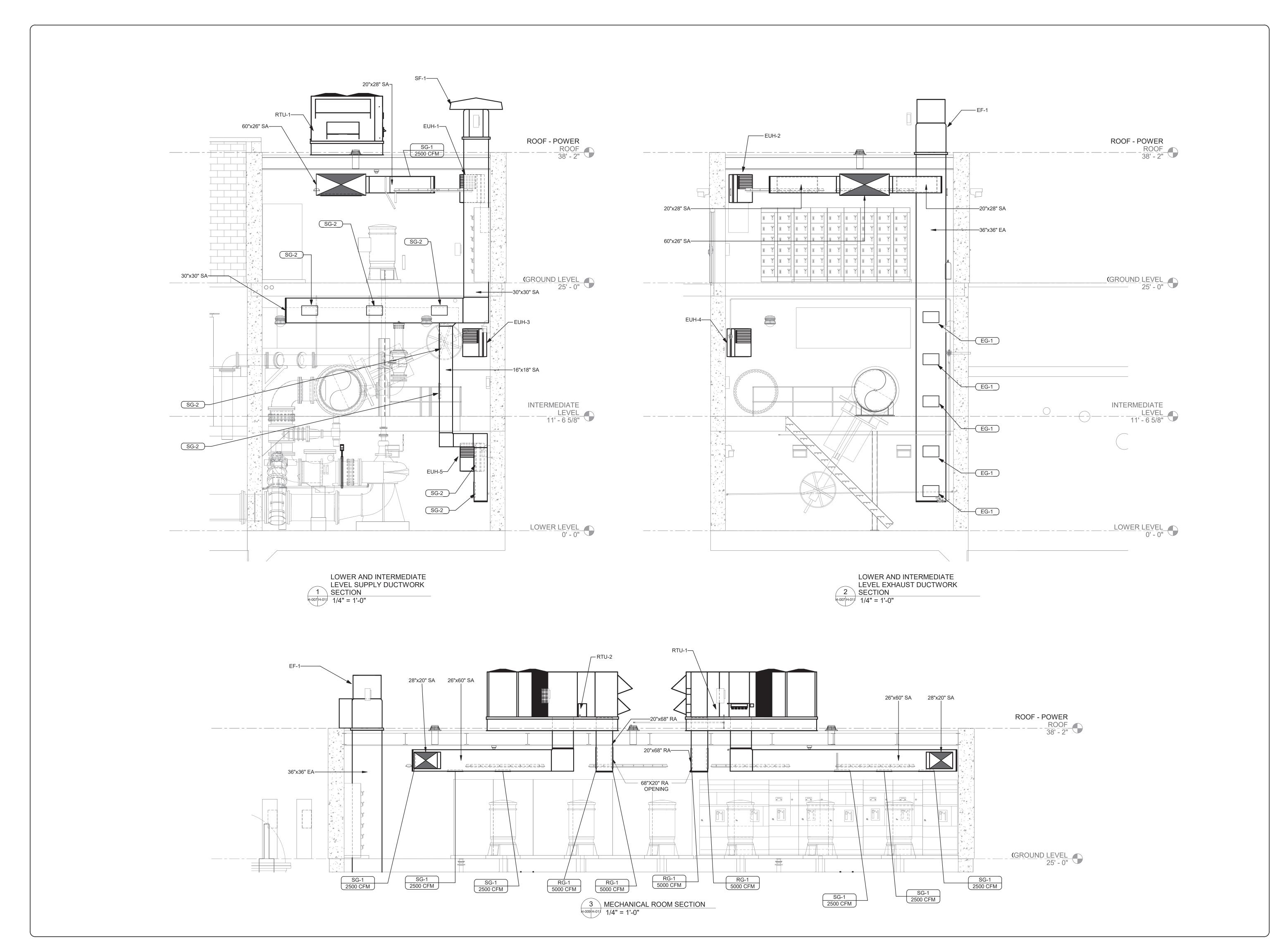
1 HVAC ROOF PLAN 1/4" = 1'-0"

Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. 217 Montgomery Street, Suite 1000 Syracuse, New York 13202 P. 315.471.0688

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DATE:	PROJECT TITLE:	MAIN FOME STATION OF GRADE		NO. DA	PA
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202		FOINT STATION - ROOF LEVEL PLAN		2 10	10
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DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	JSR
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PROJECTITLE: MAIN PUMP STATION UPGRADE	CLIENT: ROCKLAND COUNTY SEWER DISTRICT NO	DRAWING TITLE: PUMP STATION - SECTIONS
PROJECT TITLE:	CLIENT:	DRAWING TITLE:

JULY 2021

SCALE: 1/4'' = 1'-0''

CONTRACT NO: RFB-RC-SWR-CIP 2020-02

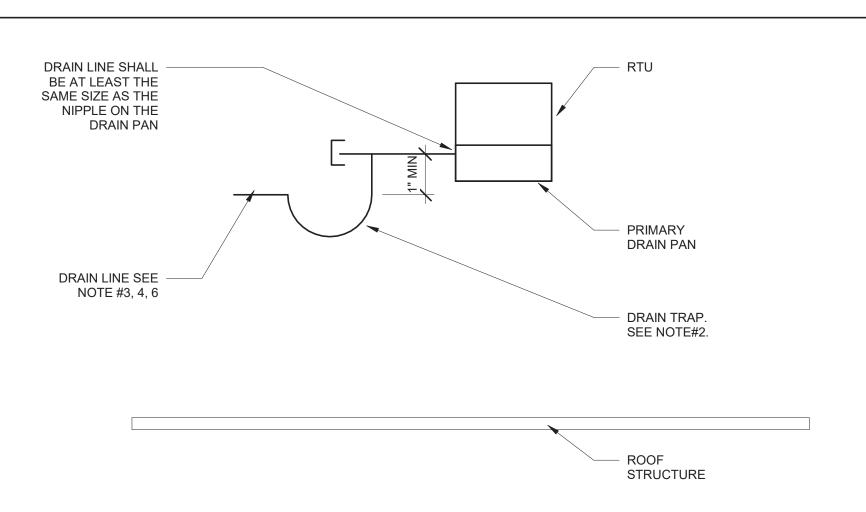
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CHECKED: GRL edr Job#: 19190

DRAWING NUMBER:

H-011

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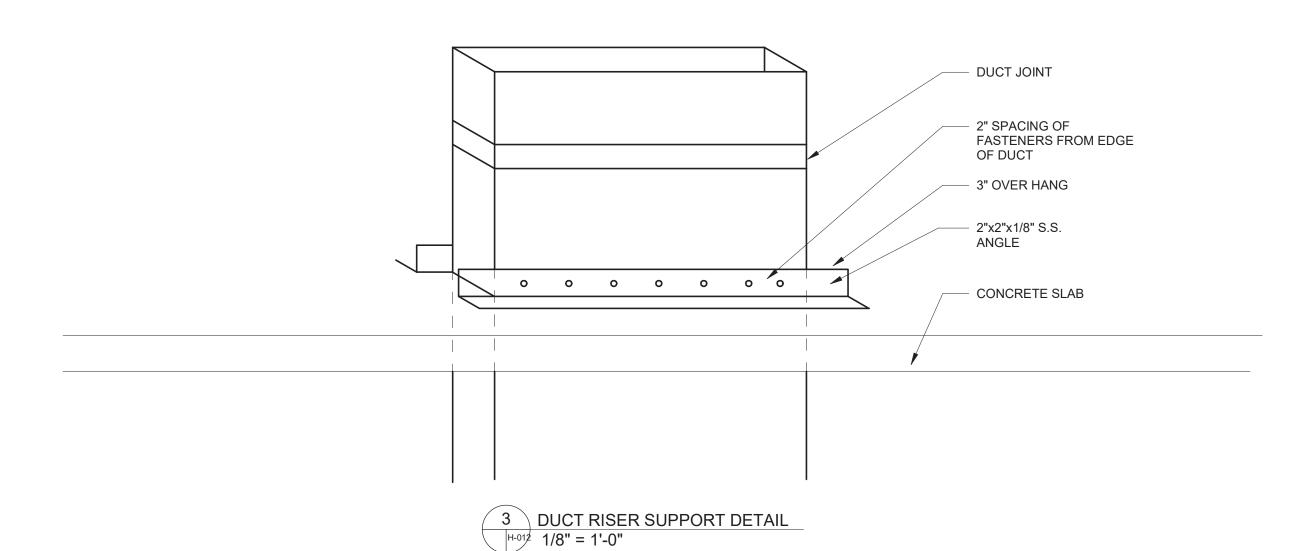


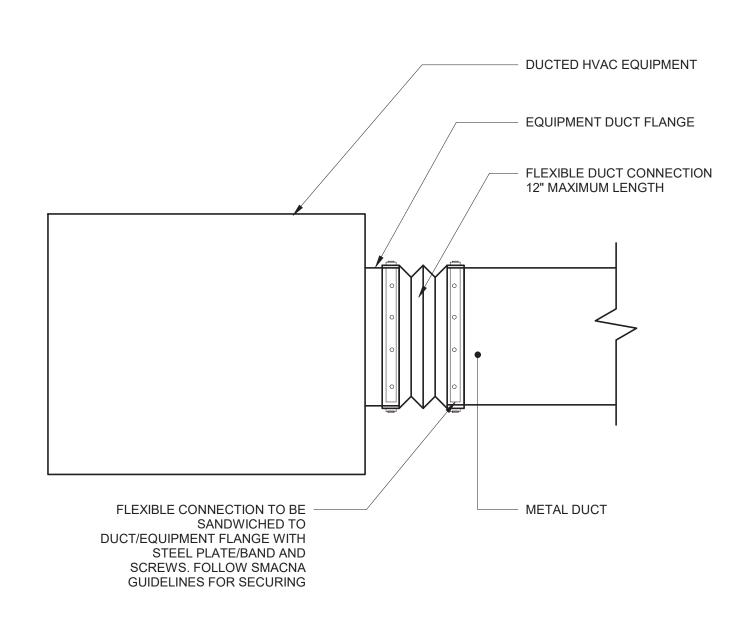
- NOTES:

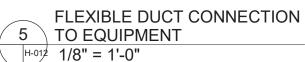
 1. THE DEPTH OF THE SEAL SHALL BE A MINIMUM OF THE AIR HANDLING UNITS TOTAL STATIC PRESSURE IN INCHES OF WATER PLUS 1"
- 2. MANUALLY PRIME FILL TRAP PRIOR TO START-UP OF UNIT.
- SPILL DRAIN LINE TO ROOF.
 CONDENSATE LINES FOR SYSTEMS SIZED 5 TONS OR LESS TO BE 1". CONDENSATE LINES FOR SYSTEMS LARGER
- THEN 5 TONS TO BE 1-1/4". ALL DRAIN LINES TO BE PITCHED.

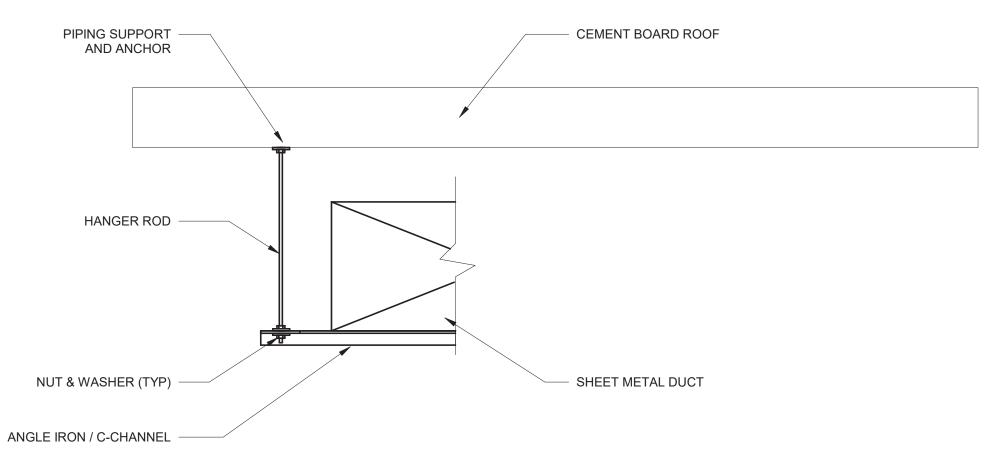
 5. FOR UNITS EQUIPPED WITH SECONDARY DRAIN PANS, PROVIDE A CONDENSATE DRAIN TRAP SIMILAR TO ABOVE.
 - AHU/FAN COIL CONDENSATE

 1 DRAIN PIPING

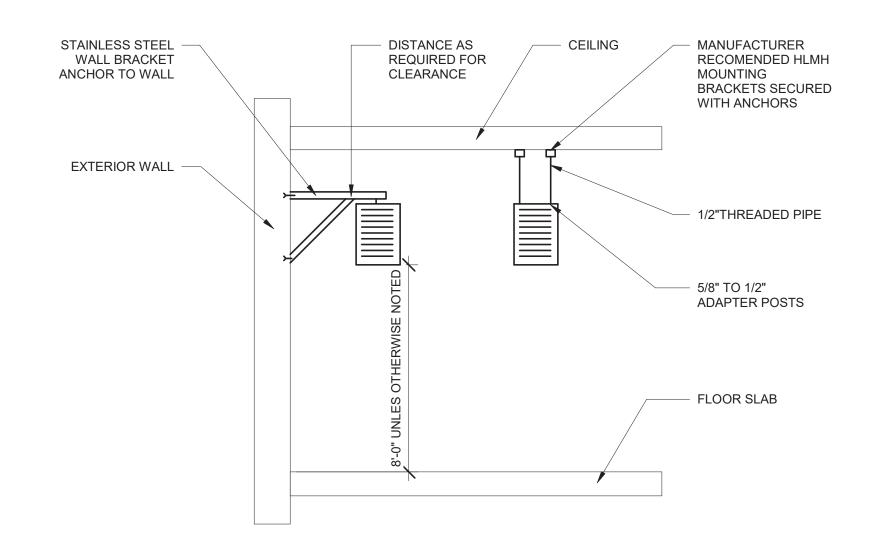








DUCT HANGER DETAIL -CHANEL 2 |H-012 1/8" = 1'-0"

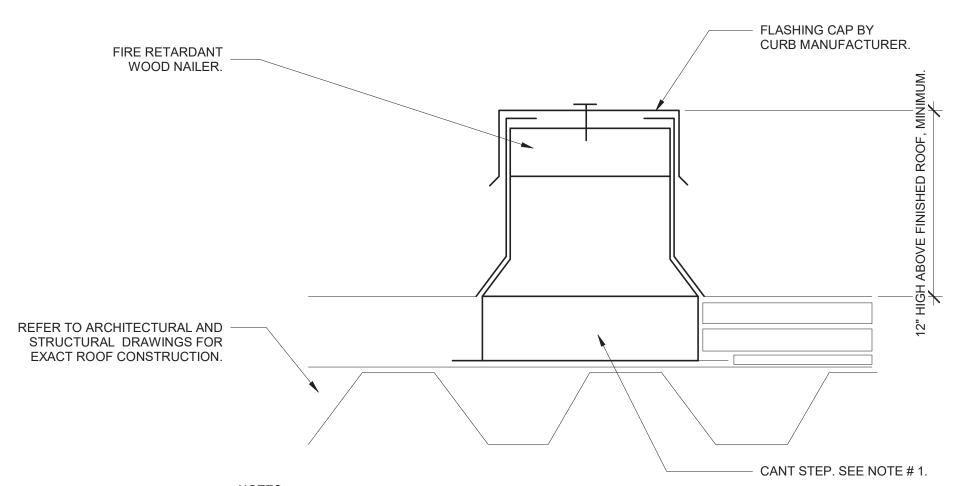


NOTES: SUPPORT FROM WALL UNLESS OTHERWISE NOTED

ELECTRIC UNIT HEATER

MOUNTING DETAIL

|H-012 1/8" = 1'-0"



THE RAISED CANT STEP HEIGHT SHALL BE COORDINATED WITH THICKNESS OF ROOF INSULATION ON ARCHITECTURAL DRAWINGS. IN LIEU OF A SUPPORT CURB WITH A RAISED CANT. PROVIDE CONTINUOUS FIRE RETARDANT BLOCKING, UNDER THE RAIL, AND RAISE THE RAIL TO ACCOMMODATE THE THICKNESS OF THE ROOF INSULATION. SECURE BLOCKING TO THE ROOF STRUCTURE AND RAIL TO THE BLOCKING WITH LOAD RATED, RUSTPROOF FASTENERS.
 THE EQUIPMENT RAIL SHALL BE DESIGNED AND FABRICATED TO THOROUGHLY SUPPORT ITS RESPECTIVE PIECE OF EQUIPMENT. AS A MINIMUM, EQUIPMENT RAILS SHALL BE FABRICATED OF 18 GAUGE GALVANIZED STEEL WITH BUILTIN CANT, MONOLITHIC CONSTRUCTION WITH INTEGRAL BASE PLATE AND CONTINUOUS MITERED AND WELDED CORNER SEAMS, WITH FACTORY INSTALLED FIRE RETARDANT WOOD NAILER. EACH EQUIPMENT RAIL SHALL INCLUDE A MATCHING 18 GAUGE GALVANIZED STEEL COUNTERFLASHING CAP WITH INTEGRAL DRIP EDGE, ALL CORNERS MITERED AND WELDED, AND SCREWS FOR ATTACHMENT. EQUIPMENT CURBS OVER 3 FEET LONG SHALL INCORPORATE 14 GAUGE INTERNAL GUSSET REINFORCING. SECURELY FASTEN TO ROOF DECK AND INSTALL IN STRICT ACCORDANCE WTIH MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE UNIT/PIPING/DUCTWORK SHALL BE INSTALLED LEVEL AND PLUMB.





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