



**HVAC Replacement for
Summit Drive Elementary School
Greenville County School District**

Solicitation No: **124-33-9-29**

Addendum No. 2

DATE: October 12, 2023

FROM: PERITUS ENGINEERS & ASSOCIATES, INC.

TO: ALL BIDDERS

The following items add to, modify, clarify, or otherwise alter the Drawings and/or specifications and will become a part of the Contract Documents. Where a portion of the Drawings and/or specifications is added to, modified, clarified, or otherwise altered, the portion not so affected shall remain. Bidder shall include all effects that these items may have on his proposal.

Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

Drawings:

The following Drawing are included with this addendum and feature clouded revisions.

1. A-110, Overall Lower Level Floor Plan, Added note regarding scope of wall painting as well as added multiple references to A-301 wall sections.
2. A-301, Sections, Added clarification notes regarding wall painting and wall infill.
3. MD-5, HVAC Demolition Roof Plan, Revised extents of existing gas piping upon roof, added notes regarding demolition of existing kitchen heating & ventilation unit.
4. M-5, HVAC Roof Plan, Added new kitchen ventilation unit HVU-1 and adapter curb, and updated gas piping and condensate drain piping.
5. M-6, HVAC Schedules & Details, Added kitchen ventilation unit HVU-1 schedule and updated equipment schedule notes.
6. E-1, Electrical Legend, and Schedules, Added basement level plans and breaker for new Roof Mounted HVU-1 unit.
7. E-2, Electrical Overall Equipment Power Plan, Added power to new Roof Mounted HVU-1 unit. Added basement plan and power connections to replacement boilers and pumps.

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8. ED-1, Electrical Demolition Roof Plan, Added basement demolition plan showing electrical demolition for boilers and pumps being replaced.

Clarifications:

1. Project substantial completion date is July 28, 2024
2. There is no existing roof warranty in place for the area of work upon the roof of this project.
3. Greenville County School Approved list of roofing subcontractors is included with this addendum for reference.
4. Test and Balance work shall be contracted directly by the owner. Refer to Specification 23 00 00 “MECHANICAL GENERAL PROVISIONS”, page 8, section 2.10 “TESTS”, paragraph B
5. Contractor shall provide their own portable toilet facilities for the project. Toilet rooms in the school shall not be used by the Contractor.
6. Controls/Building Automation System shall be provided with a 2-year parts and labor warranty.

Bidder Questions and Responses:

1. *Question: Requested warranty, provided by manufacturer on packaged equipment: Is the expectation from GCSD that manufacturer will provide a full 5 year parts, labor & refrigerant warranty per previous projects? In addition, manufacturer to provide 10 year parts warranty on compressor and heat exchanger per specifications?*
 - a. *Rooftop Packaged DX Variable Air Volume Unit calls for 1 year parts and labor, 10 year compressor and heat exchanger, 2 year refrigerant (per Project Manual 237414-1).*
 - b. *Rooftop Packaged Gas Fired Air Conditioning Unit calls for 2 year parts and labor, 10 year compressor and heat exchanger, 2 year refrigerant (per Project Manual 237433-1). 5 Year Parts, Labor & Refrigerant warranty is also noted in mechanical schedule.*

Response: Provide 5-year parts, labor, and refrigerant warranty and a 10-year gas heat exchanger warranty. This applies to all packaged rooftop units on the project: VAV units RTU-A1, B1, C1, C2 and constant volume hot gas reheat units RTU-A2, A3, C3, as well as Kitchen Ventilation unit HVU-1

2. *Question: Request to confirm that Hot Water Cabinet Heaters are not being addressed and no work required?*
 - a. *Example, HWCH-B1 on MD-2 of new drawings.*

Response: The existing hot water cabinet heaters are to remain in place.

3. *Question: RTU-A3 and RTU-C3 have existing curb adapters, please confirm contractor to remove existing adapter curb and Manufacturer to provide new adapter to go from original curb to new unit?*

Response: Yes, existing curb adapters are to be removed and new curb adapters are to be installed to go from original curb to new unit

END OF ADDENDUM NO. 2

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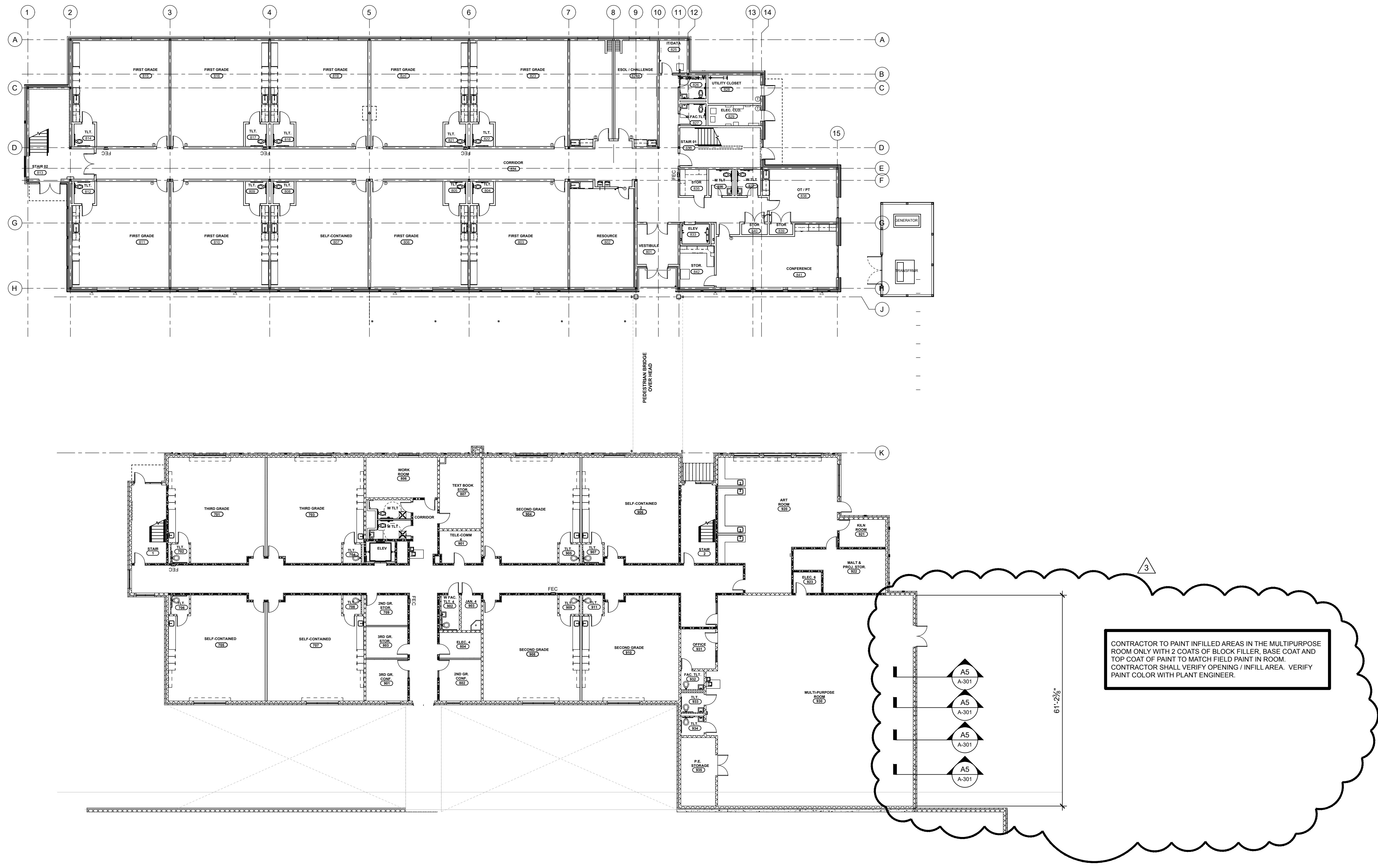
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A1 OVERALL LOWER LEVEL FLOOR PLAN

1/16"

HVAAC UPGRADE FOR
**SUMMIT DRIVE
ELEMENTARY SCHOOL**
GREENVILLE, SOUTH CAROLINA

OVERALL LOWER LEVEL FLOOR PLAN

DESIGN / DRAWN
- / ASC

CREATED
EMB

DATE
06-12-2023

AWHS JOB NO.
2206 - 020

SHEET

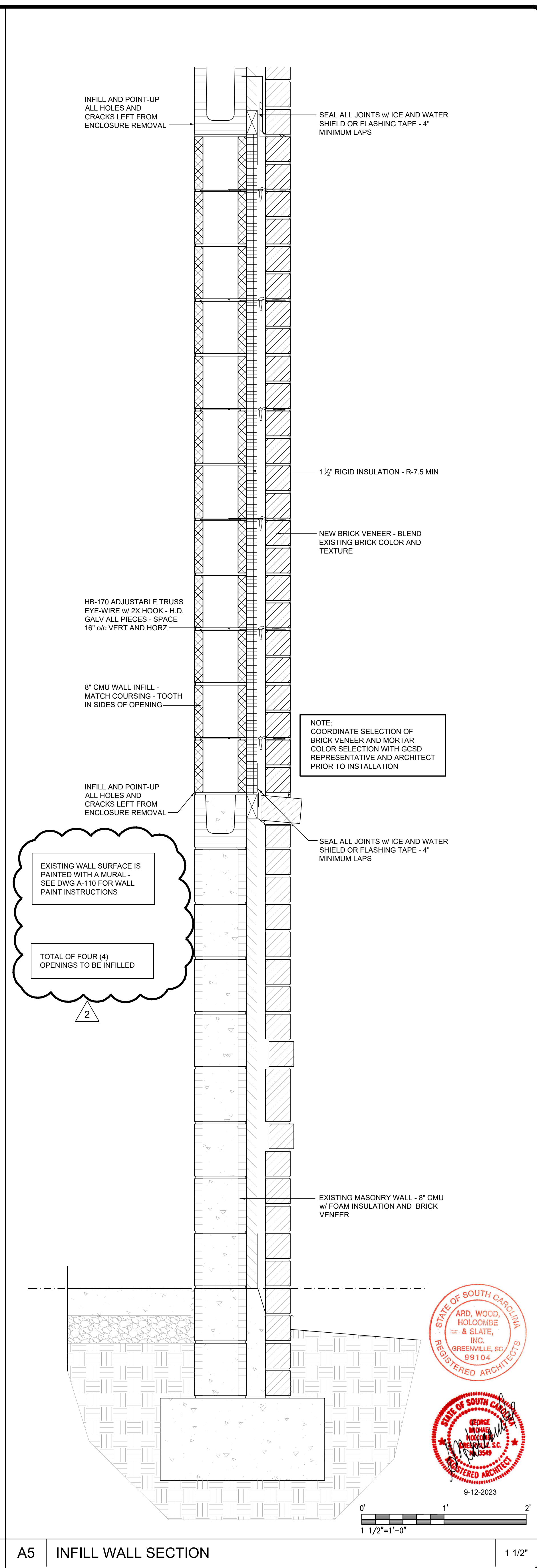
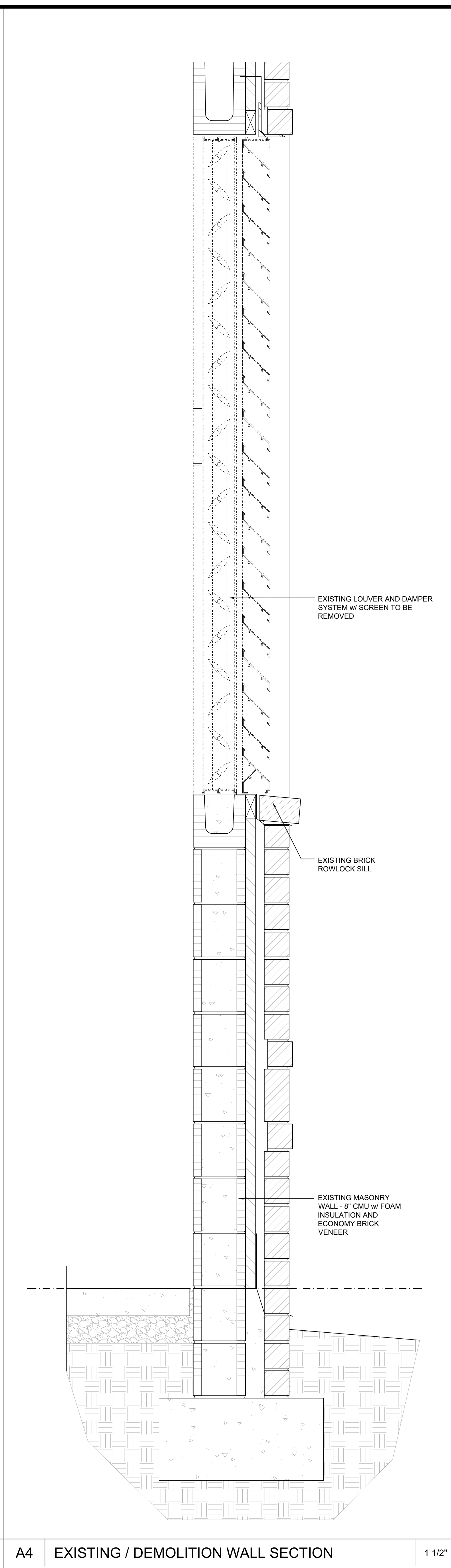
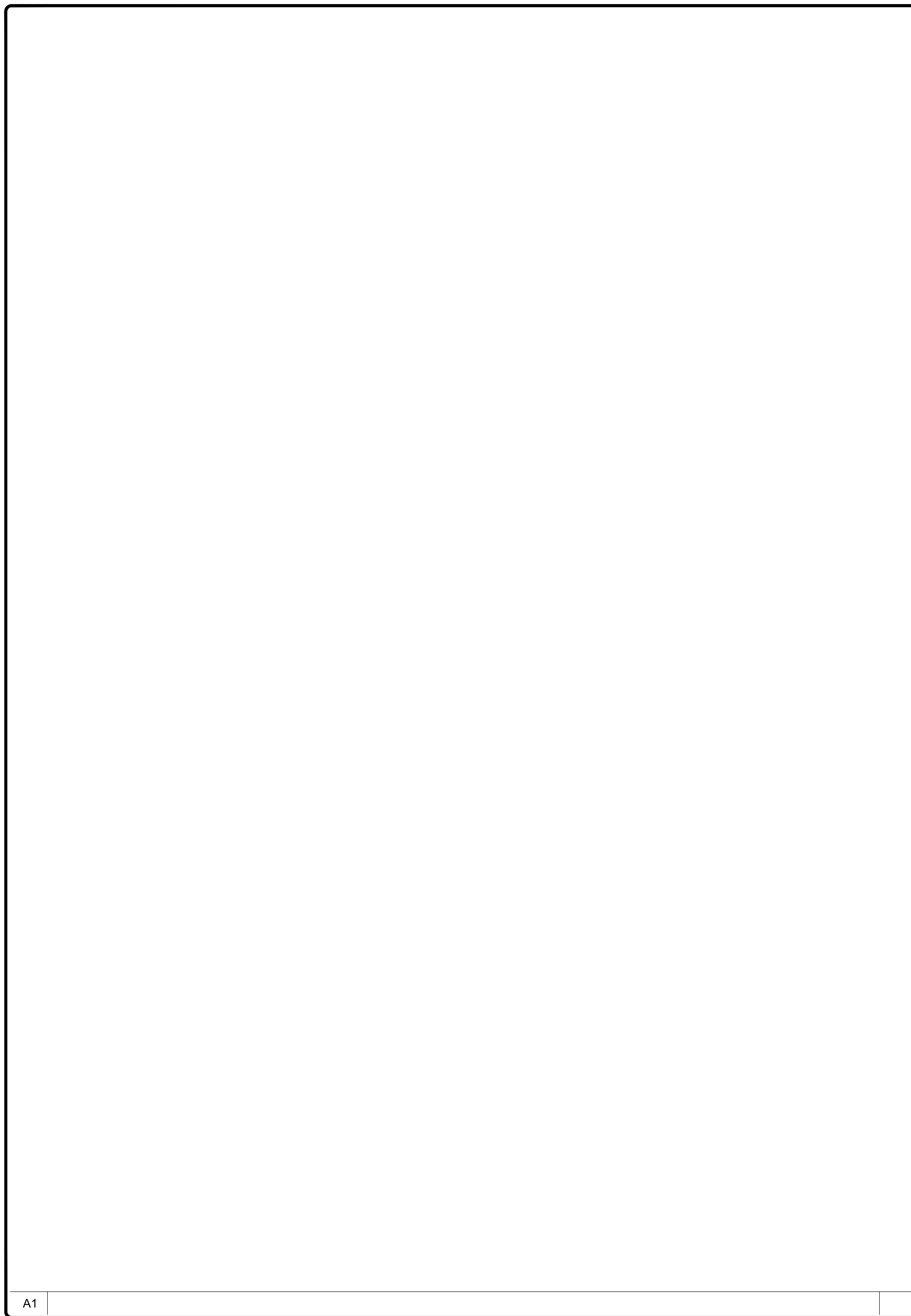
A-110

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ISSUE FOR REVISION

NO.	DATE	BY	DESCRIPTION
3	10-13-2023	EMB	ISSUE FOR ADDENDUM 2
2	10-11-2023	EMB	ISSUE FOR ADDENDUM 2
1	9-12-2023	EMB	ISSUE FOR BIDS
0	6-12-2023	EMB	ISSUE FOR OSF REVIEW

Z:\AWHS Projects\2200-020 2022 GCSD 5-year IDC Projects\2206-020 Summit Drive ES HVAC Replacement\Cad dwg\A-110 Lower Level Floor Plan.dwg, 10/6/2023 8:21:22 AM



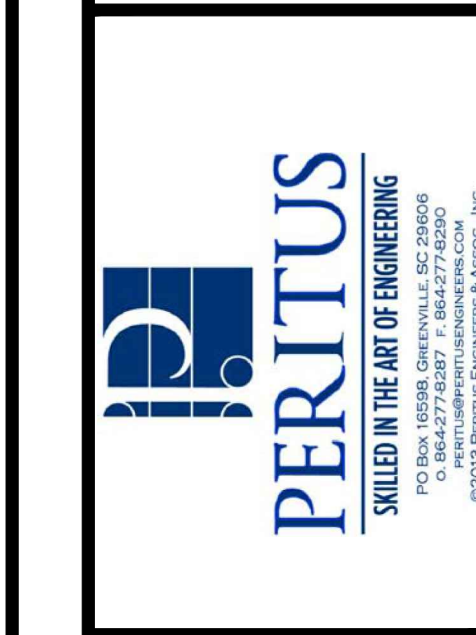
A1 1/2"

A4 EXISTING / DEMOLITION WALL SECTION 1/2"

A5 INFILL WALL SECTION 1/2"

NO.	DATE	BY	DESCRIPTION
2	10-11-2023	EMB	ISSUE FOR ADDENDUM 2
1	9-12-2023	EMB	ISSUE FOR BIDS
0	6-12-2023	EMB	ISSUE FOR OSF REVIEW

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**SUMMIT DRIVE
 ELEMENTARY SCHOOL**
 GREENVILLE, SOUTH CAROLINA

DESIGN / DRAWN
 EMB / EMB

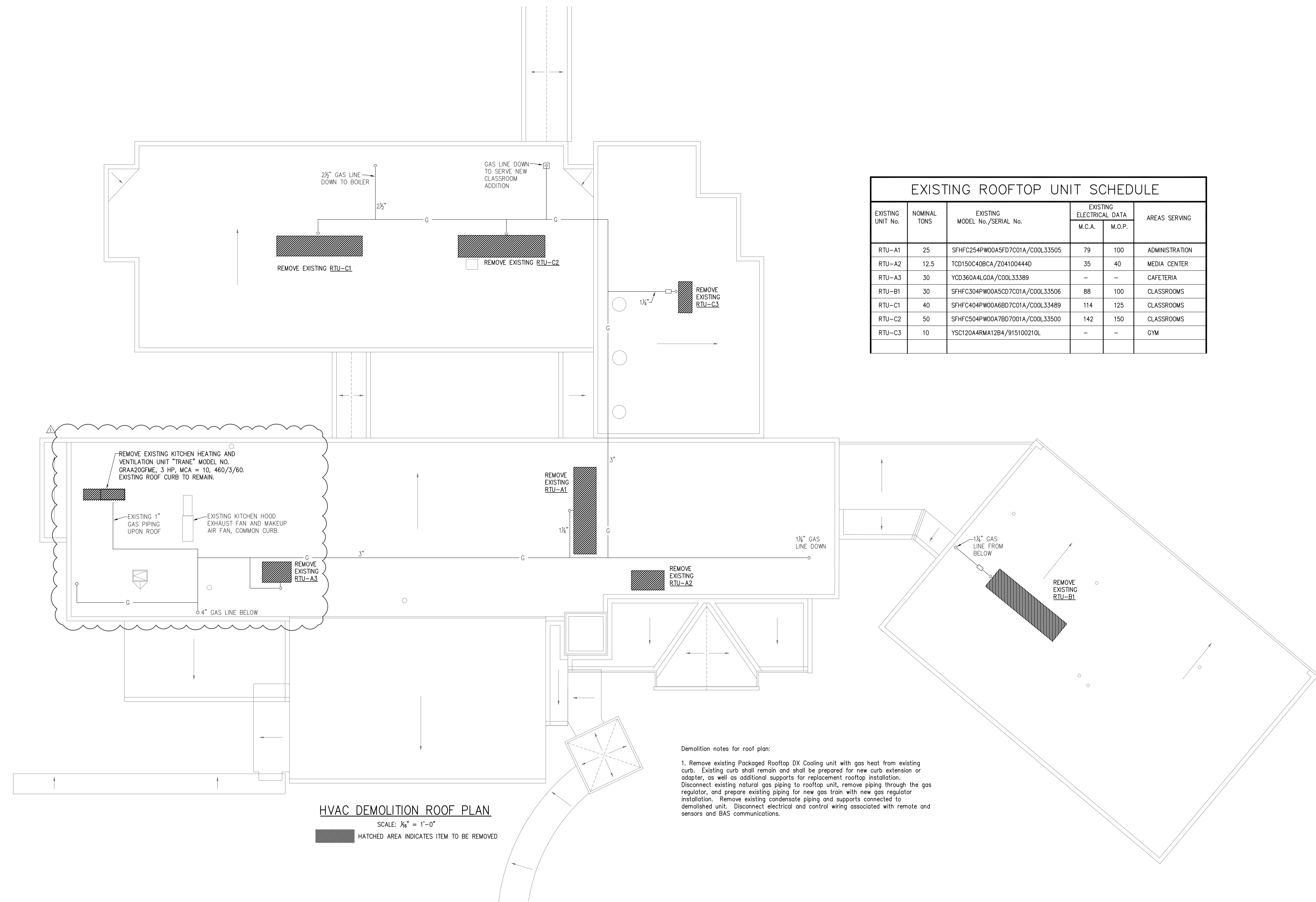
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DATE
 06-12-2023

AWHS JOB NO.
 2206 - 020

SHEET
A-301

SECTIONS



EXISTING ROOFTOP UNIT SCHEDULE

EXISTING UNIT No.	NOMINAL TONS	EXISTING MODEL No./SERIAL No.	EXISTING ELECTRICAL DATA		AREAS SERVING
			M.C.A.	M.O.P.	
RTU-A1	25	SFHFC254PW00A5FD7C01A/COOL33505	79	100	ADMINISTRATION
RTU-A2	12.5	TC0150C40BCA/Z04100444D	35	40	MEDIA CENTER
RTU-A3	30	YCD360A4LGD/COOL33389	-	-	CAFETERIA
RTU-B1	30	SFHFC304PW00A5CD7C01A/COOL33506	88	100	CLASSROOMS
RTU-C1	40	SFHFC404PW00A6BD7C01A/COOL33489	114	125	CLASSROOMS
RTU-C2	50	SFHFC504PW00A7BD7001A/COOL33500	142	150	CLASSROOMS
RTU-C3	10	YSC120A4RMA12B4/915100210L	-	-	GYM

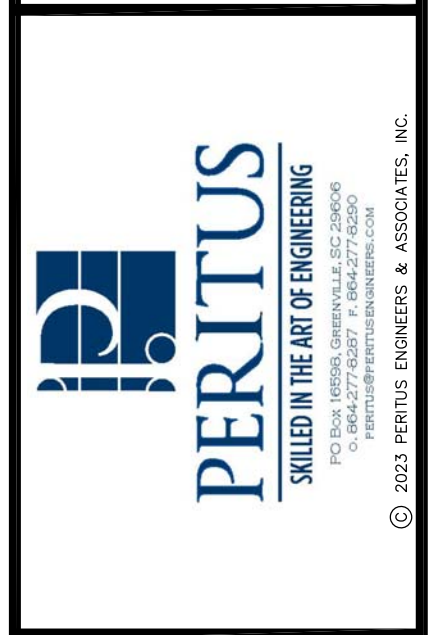
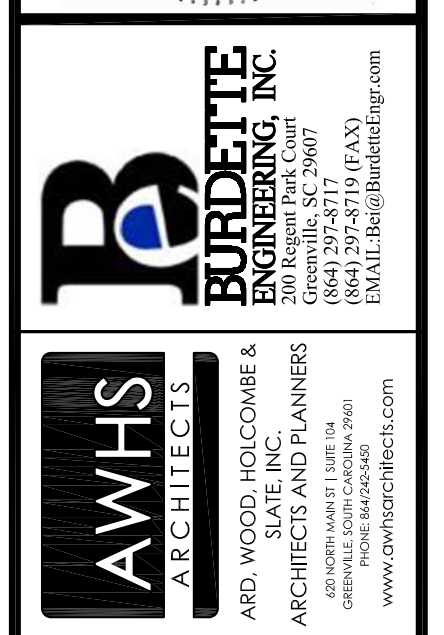
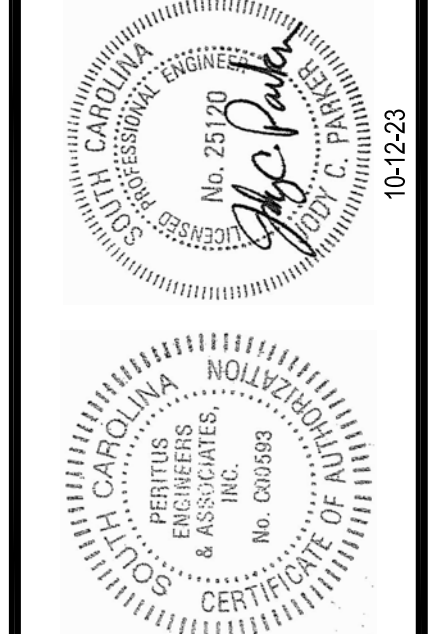
HVAC DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0"
HATCHED AREA INDICATES ITEM TO BE REMOVED

Demolition notes for roof plan:
1. Remove existing Packaged Rooftop DX Cooling unit with gas heat from existing curb. Existing curb shall remain and shall be prepared for new curb extension or adapter, as well as additional supports for replacement rooftop installation. Disconnect existing natural gas piping to rooftop unit, remove piping through the gas regulator, and prepare existing piping for new gas train with new gas regulator installation. Remove existing condensate piping and supports connected to demolished unit. Disconnect electrical and control wiring associated with remote and sensors and BAS communications.

HVAC UPGRADE FOR
**SUMMIT DRIVE
ELEMENTARY SCHOOL**
GREENVILLE, SOUTH CAROLINA

DESIGN / DRAWN
JCP / LDH
CHECKED
JCP
DATE
9-12-23
PERITUS JOB NO.
221202
SHEET

ADDENDUM NO. 2		NO.	DATE	BY	DESCRIPTION
1	10-12-23	JCP	0	9-12-23	ISSUE FOR BID

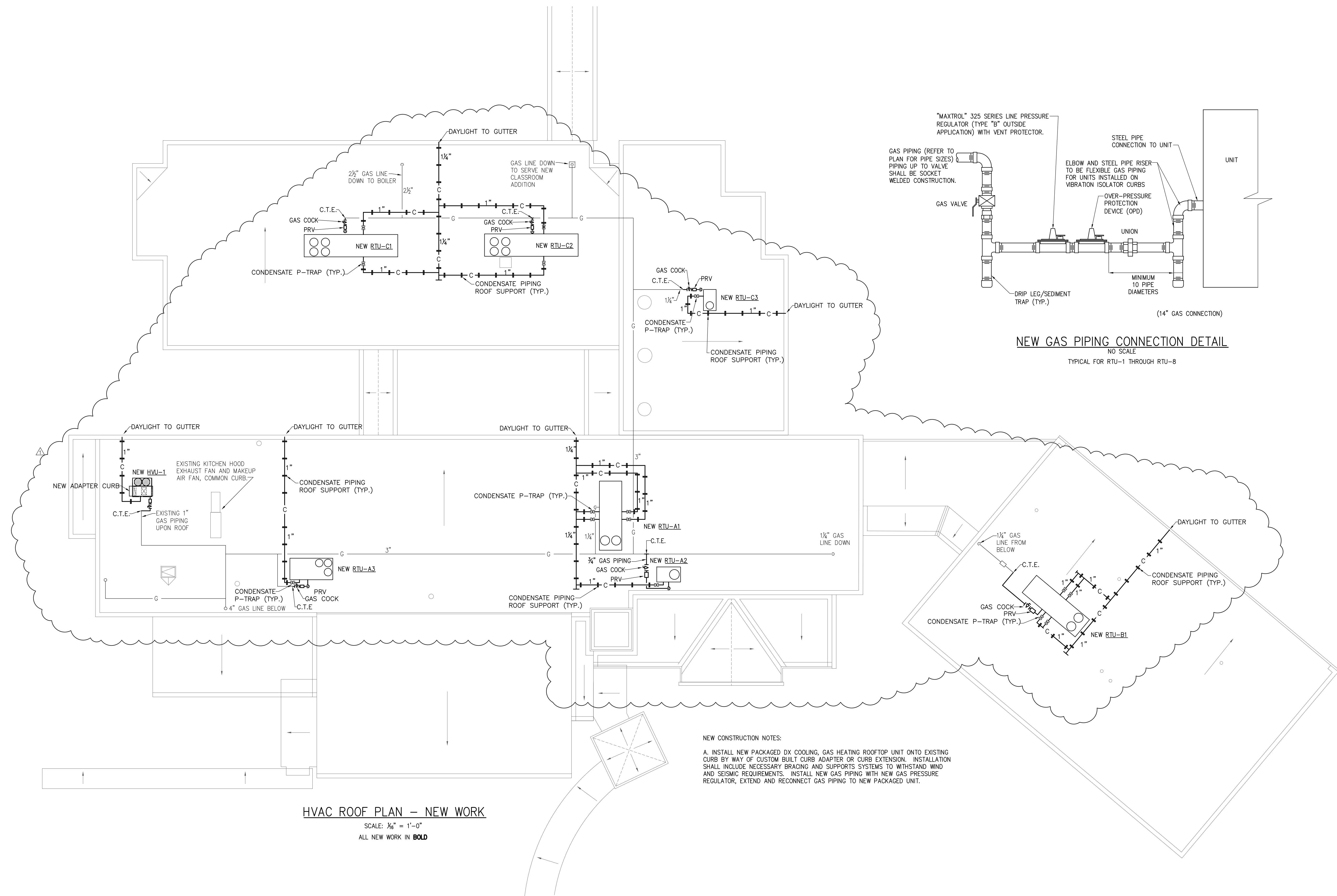


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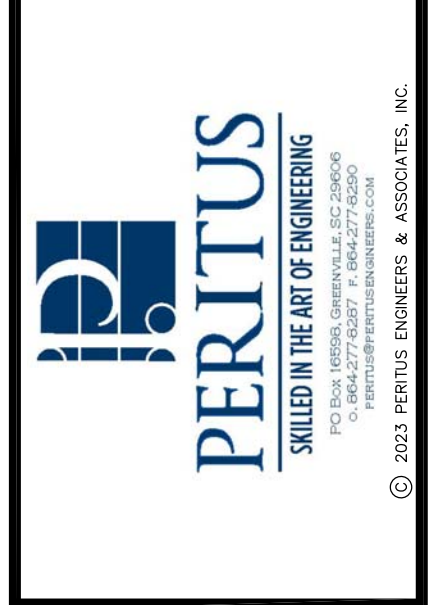
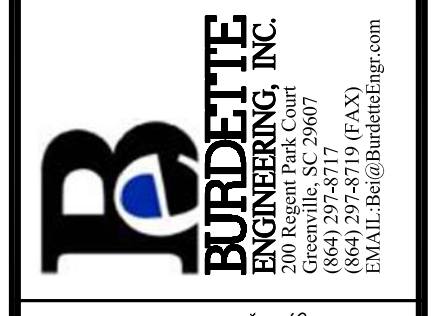
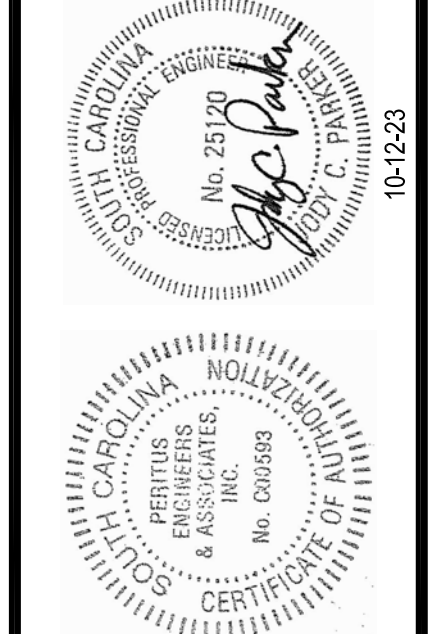
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HVAC ROOF PLAN – NEW WORK
SCALE: 1/8" = 1'-0"
ALL NEW WORK IN **BOLD**

NEW CONSTRUCTION NOTES:
A. INSTALL NEW PACKAGED DX COOLING, GAS HEATING ROOFTOP UNIT ONTO EXISTING CURB BY WAY OF CUSTOM BUILT CURB ADAPTER OR CURB EXTENSION. INSTALLATION SHALL INCLUDE NECESSARY BRACING AND SUPPORTS SYSTEMS TO WITHSTAND WIND AND SEISMIC REQUIREMENTS. INSTALL NEW GAS PIPING WITH NEW GAS PRESSURE REGULATOR, EXTEND AND RECONNECT GAS PIPING TO NEW PACKAGED UNIT.

NO.	DATE	BY	DESCRIPTION
1	10-12-23	JCP	ADDENDUM NO. 2
0	9-12-23	JCP	ISSUE FOR BID



HVAC UPGRADE FOR
**SUMMIT DRIVE
ELEMENTARY SCHOOL**
GREENVILLE, SOUTH CAROLINA

HVAC ROOF PLAN

DESIGN JCP	DRAWN LDP
CHECKED JCP	
DATE 9-12-23	
PERITUS JOB NO. 221202	
SHEET	

M-5

SYMBOL	DESCRIPTION
	CIRCUITS AND CONDUIT HOME RUN TO LIGHTING/SERVICE PANEL. HASH MARKS, WHEN SHOWN, INDICATE NUMBERS OF CONDUCTORS. "/> INDICATES HOT WIRE. "N" INDICATES NEUTRAL CONDUCTOR. "2P" INDICATES GROUND CONDUCTOR. HOME RUN NOTE INDICATES PANEL NAME AND CIRCUIT NAME OR FEEDER TAG. CONDUCTORS SHALL BE #12 AWG IN 3/4" CONDUIT UNLESS NOTED OTHERWISE. ANY HOME RUN OR CONDUIT WITHOUT HASH MARKS IS TO CONTAIN 3 CONDUCTORS: 1 HOT, 1 NEUTRAL, AND 1 EQUIPMENT GROUND. EACH HOT CIRCUIT SHALL BE PAIRED WITH A SEPARATE NEUTRAL CONDUCTOR. SHARING OF NEUTRAL CONDUCTORS BETWEEN CIRCUITS IS NOT ALLOWED.
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS, UNLESS NOTED OTHERWISE.
	CONDUIT TURNING UP
	EQUIPMENT LIGHTING OR SERVICE PANEL, SURFACE MOUNTED (208V) LIGHTING OR SERVICE PANEL, SURFACE MOUNTED (480V) SAFETY DISCONNECT SWITCH. "30" INDICATES AMP RATING. "20" INDICATES FUSE SIZES. "3P" INDICATES NUMBER OF POLES, ENCLOSURE TO BE NEMA 1 UNLESS NOTED OTHERWISE (3R, 4X, ETC.) SQUARE D H300 SERIES HEAVY DUTY SAFETY SWITCH
	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR. CEILING MOUNTED CARBON MONOXIDE DETECTOR. DETECTOR TO BE UL2075 LISTED. VFD WITH FUSED DISCONNECT PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR.

- ELECTRICAL GENERAL NOTES:**
- INSPECT SITE PRIOR TO SUBMITTING BID. DRAWINGS ARE INTENDED TO COVER THE REQUIRED ELECTRICAL SYSTEMS. DRAWINGS MAY NOT SHOW COMPLETE OR ACCURATE DETAILS OF THE BUILDING OR SYSTEM IN EVERY RESPECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY ADDITIONAL INFORMATION AS REQUIRED.
 - CONFORM TO THE NATIONAL ELECTRICAL CODE (2020), IBC (2021), IECQ (2009), APPLICABLE NEMA, ANSI AND IEEE PUBLICATIONS, U.L. AND ADA STANDARDS AND OSHA REQUIREMENTS. COMPLY WITH LOCAL, COUNTY, STATE AND NATIONAL CODES HAVING JURISDICTION.
 - FURNISH AND INSTALL ALL MATERIALS IN A NEAT AND WORKMANLIKE FASHION. ALL MATERIALS SHALL BE NEW, WITH FIRST QUALITY AND A LABEL.
 - VERIFY ALL DIMENSIONS AND CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT AND RACEWAYS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK WITH THAT OF ALL OTHER TRADES AS REQUIRED.
 - CONDUIT SHALL BE EMT FOR BRANCH CIRCUIT WIRING AS ALLOWED BY NEC. EXCEPT THAT SET SCREW OR CRIMP FITTINGS ARE NOT ALLOWED. WHERE EXPOSED TO PHYSICAL DAMAGE CONDUITS SHALL BE RIGID GALVANIZED STEEL. MINIMUM CONDUIT SIZE SHALL BE #12 AWG COPPER UNLESS NOTED.
 - PROVIDE GROUNDING FOR ALL EQUIPMENT IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
 - ALL ENCLOSURES SHALL BE OF THE NEMA TYPE WHICH IS SUITABLE FOR THE APPLICATION.
 - SEAL ALL CONDUIT PENETRATIONS TO MATCH RATING OF WALL BEING PENETRATED.
 - ALL WORK SHALL HAVE PROPER LABELING AND NAMEPLATES. ALL CIRCUITS SHALL BE LABELED AT PANELS AND BOXES AS INDICATED. ALL PANELS AND DISCONNECTS ARE TO BE PERMANENTLY MARKED WITH NAME OF EQUIPMENT SERVED AS WELL AS SOURCE PANEL AND CIRCUIT NUMBER PER NEC 110. ALL PANELS ARE TO BE PROVIDED WITH TYPEWRITTEN PANEL SCHEDULES.
 - ALL BREAKERS ON CIRCUITS SUPPLYING HVAC EQUIPMENT SHALL BE TYPE HACR BREAKERS.
 - THOROUGHLY CLEAN ALL EQUIPMENT AND SYSTEMS BEFORE PLACING IN OPERATION. RESTORE FINISHED SURFACES IF DAMAGED AND DELIVER THE ENTIRE INSTALLATION IN AN APPROVED CONDITION. INSTRUCT THE OWNERS' PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF THE SYSTEMS. FURNISH TO THE OWNER THREE SETS OF OPERATION AND MAINTENANCE MANUALS FOR EACH SYSTEM.
 - GUARANTEE THE WORK INSTALLED FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE. DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE SHALL BE REMEDIED BY THE CONTRACTOR TO THE COMPLETE SATISFACTION OF THE OWNER WITHOUT COST TO THE OWNER.
 - CONTRACTOR SHALL KEEP CURRENT A SET OF PLANS FOR THE DURATION OF CONSTRUCTION WITH ALL CHANGES TO WORK NEATLY AND ACCURATELY MARKED IN RED AND SHALL TURN OVER TO OWNER AT COMPLETION OF PROJECT.
 - ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED TO MEET SEISMIC REQUIREMENTS OF 2021 IBC

- ABBREVIATIONS:**
- AFG ABOVE FINISHED GRADE
 - BKR BREAKER
 - CU COPPER
 - CKT CIRCUIT
 - EC ELECTRICAL CONTRACTOR
 - EMT ELECTRICAL METALLIC TUBING
 - EWC ELECTRIC WATER COOLER
 - FU FUSE
 - FWE FURNISHED WITH EQUIPMENT
 - GFI GROUND FAULT INTERRUPTER DEVICE
 - MLO MAIN LUGS ONLY
 - MCB MAIN CIRCUIT BREAKER
 - MFR MANUFACTURER
 - NTS NOT TO SCALE
 - PVC POLYVINYL CHLORIDE CONDUIT
 - RECPT RECEPTACLE (R)
 - SW SWITCH
 - TYP TYPICAL
 - UNO UNLESS NOTED OTHERWISE
 - W/ WITH
 - WP WEATHER PROOF

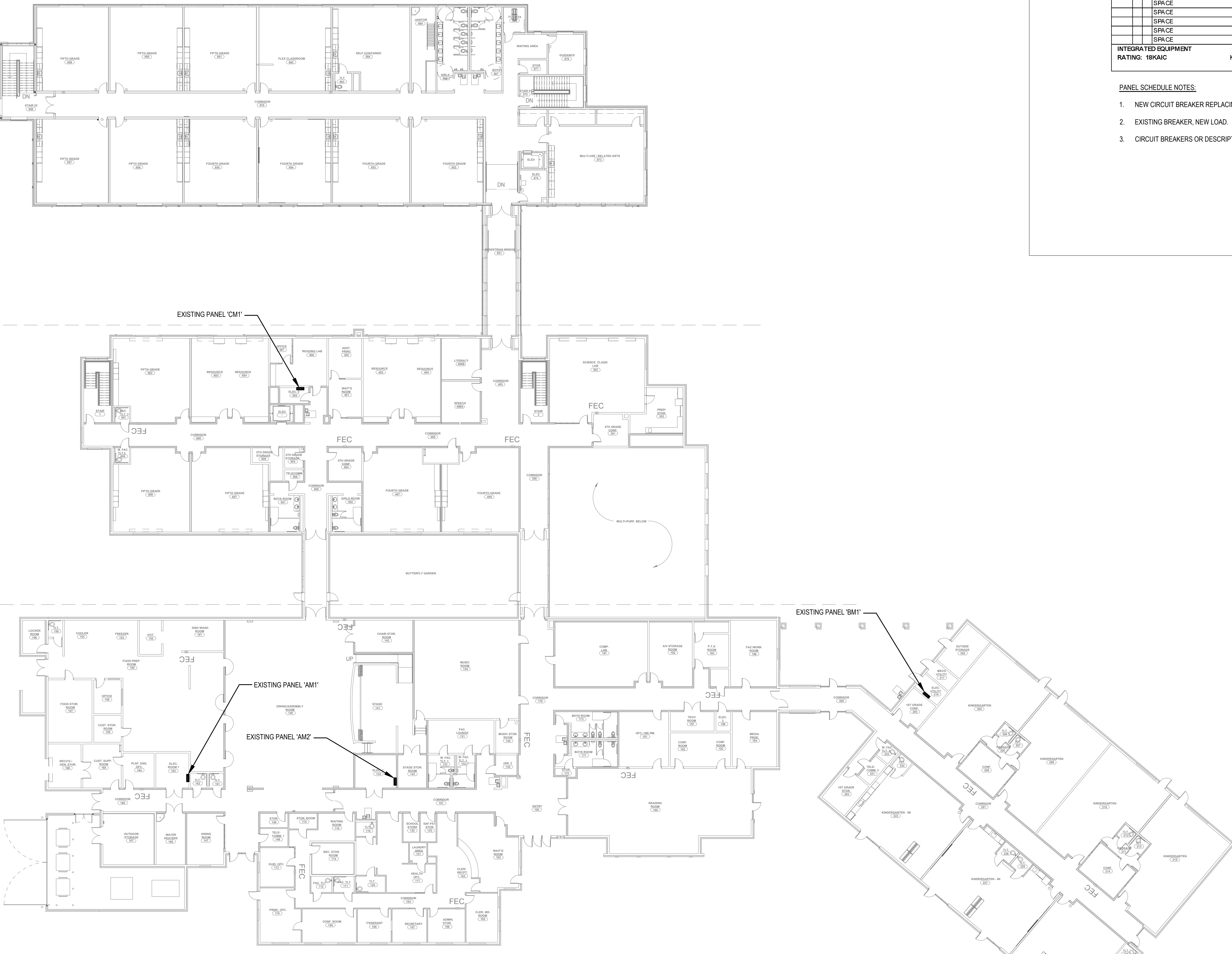
PANEL AM1 (EXISTING)		CABINET SURFACE MOUNTED		TYPE SQUARE D N/F	
VOLTAGE 480Y/277V, 3ø, 4W		FEEDER		MAINS 225 MLO	
AMPS TRIP	POLES	DESIGNATION	PHASE LOAD (VOLT-AMPS)	DESIGNATION	DEVICES
100	3	1 RTU-A3	22447	2 ECHA-1	1 20
			22447	6 SPACE	
				8 SPACE	
				10 SPACE	
				12 SPACE	
				14 SPACE	
				16 SPACE	
				18 SPACE	
				20 SPACE	
				22 SPACE	
				24 SPACE	
				26 SPACE	
				28 SPACE	
				30 SPACE	
				32 SPACE	
				34 SPACE	
				36 SPACE	
				38 SPACE	
				40 SPACE	
				42 SPACE	
INTEGRATED EQUIPMENT RATING: 18KAIC		KVA TOTAL	31.5	MODIFIED PANELBOARD KVA LOAD:	84.6

PANEL AM2 (EXISTING)		CABINET SURFACE MOUNTED		TYPE SQUARE D N/F	
VOLTAGE 480Y/277V, 3ø, 4W		FEEDER		MAINS 225 MLO	
AMPS TRIP	POLES	DESIGNATION	PHASE LOAD (VOLT-AMPS)	DESIGNATION	DEVICES
170	3	1 RTU-C2	36026	4 RTU-A2	1 3 50
			36026	6	
				8	
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	
				30	
				32	
				34	
				36	
				38	
				40	
				42	
INTEGRATED EQUIPMENT RATING: 18KAIC		KVA TOTAL	75.9	MODIFIED PANELBOARD KVA LOAD:	227.8

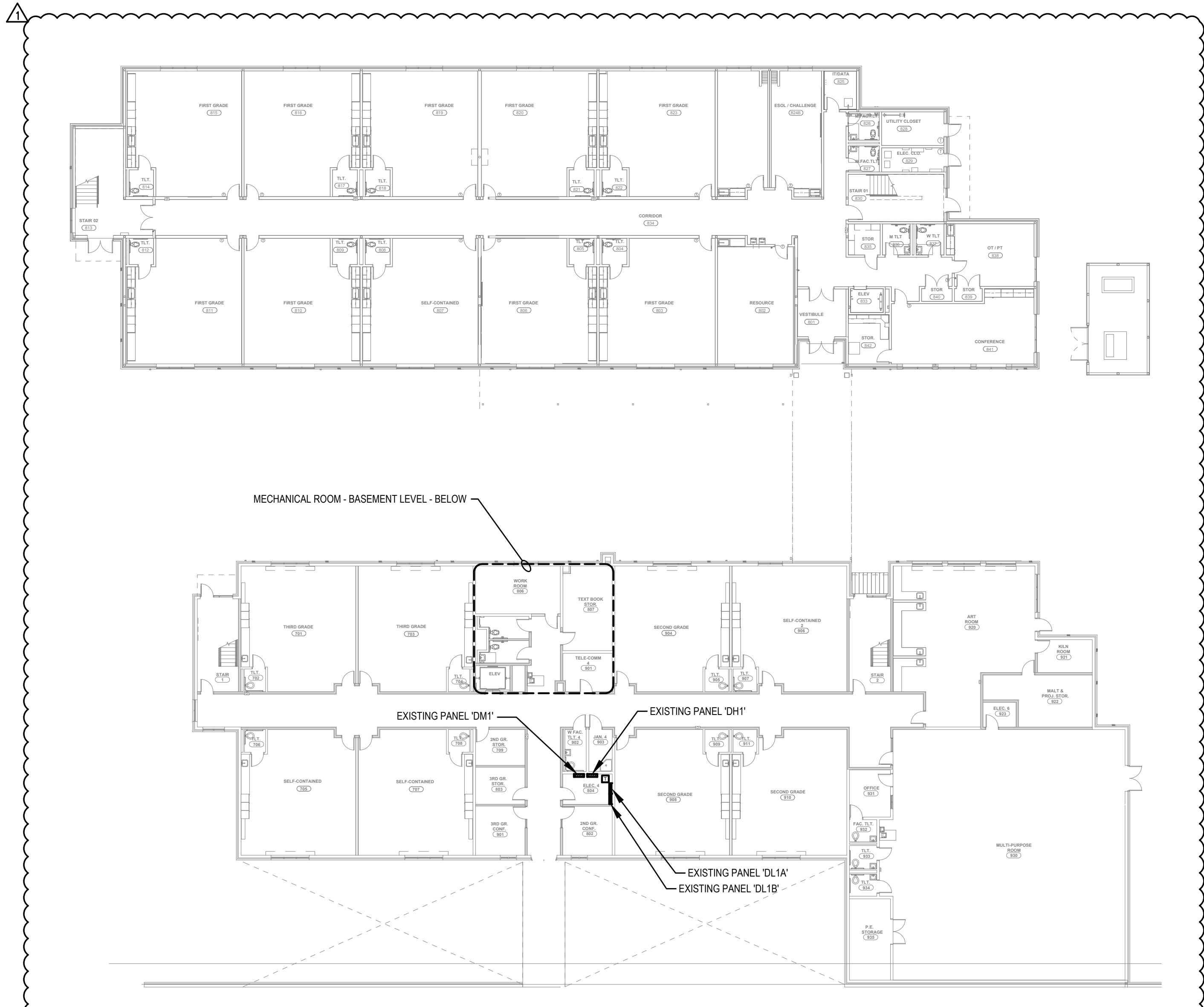
PANEL BM1 (EXISTING)		CABINET SURFACE MOUNTED		TYPE SQUARE D N/F	
VOLTAGE 480Y/277V, 3ø, 4W		FEEDER		MAINS 225 MLO	
AMPS TRIP	POLES	DESIGNATION	PHASE LOAD (VOLT-AMPS)	DESIGNATION	DEVICES
20	1	1 WALL HEATER	11	2 SPACE	1 30
				4 SPACE	
				6 SPACE	
				8 SPACE	
				10 SPACE	
				12 SPACE	
				14 SPACE	
				16 SPACE	
				18 SPACE	
				20 SPACE	
				22 SPACE	
				24 SPACE	
				26 SPACE	
				28 SPACE	
				30 SPACE	
				32 SPACE	
				34 SPACE	
				36 SPACE	
				38	
				40 RTU-B1	1 3 100
				42	
INTEGRATED EQUIPMENT RATING: 18KAIC		KVA TOTAL	23.6	MODIFIED PANELBOARD KVA LOAD:	70.7

PANEL CM1 (EXISTING)		CABINET SURFACE MOUNTED		TYPE SQUARE D N/F	
VOLTAGE 208Y/120V, 3ø, 4W		FEEDER		MAINS 225 MLO	
AMPS TRIP	POLES	DESIGNATION	PHASE LOAD (VOLT-AMPS)	DESIGNATION	DEVICES
125	3	2 RTU-C1	28544	2 CUH-C1	1 30
			28544	4 CUH-C2	1 30
				6 SPACE	
				8 SPACE	
				10 SPACE	
				12 SPACE	
				14 SPACE	
				16 SPACE	
				18 SPACE	
				20 SPACE	
				22 SPACE	
				24 SPACE	
				26 SPACE	
				28 SPACE	
				30 SPACE	
				32 SPACE	
				34 SPACE	
				36 SPACE	
				38 SPACE	
				40 SPACE	
				42 SPACE	
INTEGRATED EQUIPMENT RATING: 18KAIC		KVA TOTAL	28.5	MODIFIED PANELBOARD KVA LOAD:	85.6

- PANEL SCHEDULE NOTES:**
- NEW CIRCUIT BREAKER REPLACING EXISTING BREAKER(S).
 - EXISTING BREAKER, NEW LOAD.
 - CIRCUIT BREAKERS OR DESCRIPTIONS SHOWN IN BOLD ARE NEW OR MODIFIED AS PART OF THIS PROJECT.



1 ELECTRICAL OVERALL - MAIN LEVEL
SCALE: 1" = 20'-0"



2 ELECTRICAL OVERALL - LOWER LEVEL
SCALE: 1" = 20'-0"

ADDENDUM NO. 2
 ISSUE FOR BID
 NO. DATE BY

1	10/12/23	RAB
0	06/17/23	RAB

REVISIONS
 DESCRIPTION

DESIGN: RAB
 CHECKED: PEK
 DATE: 9-12-23
 PERITUS JOB NO. 221202
 SHEET E-1

HVAC UPGRADE FOR
**SUMMIT DRIVE
 ELEMENTARY SCHOOL**
 GREENVILLE, SOUTH CAROLINA
 ELECTRICAL LEGEND AND SCHEDULES

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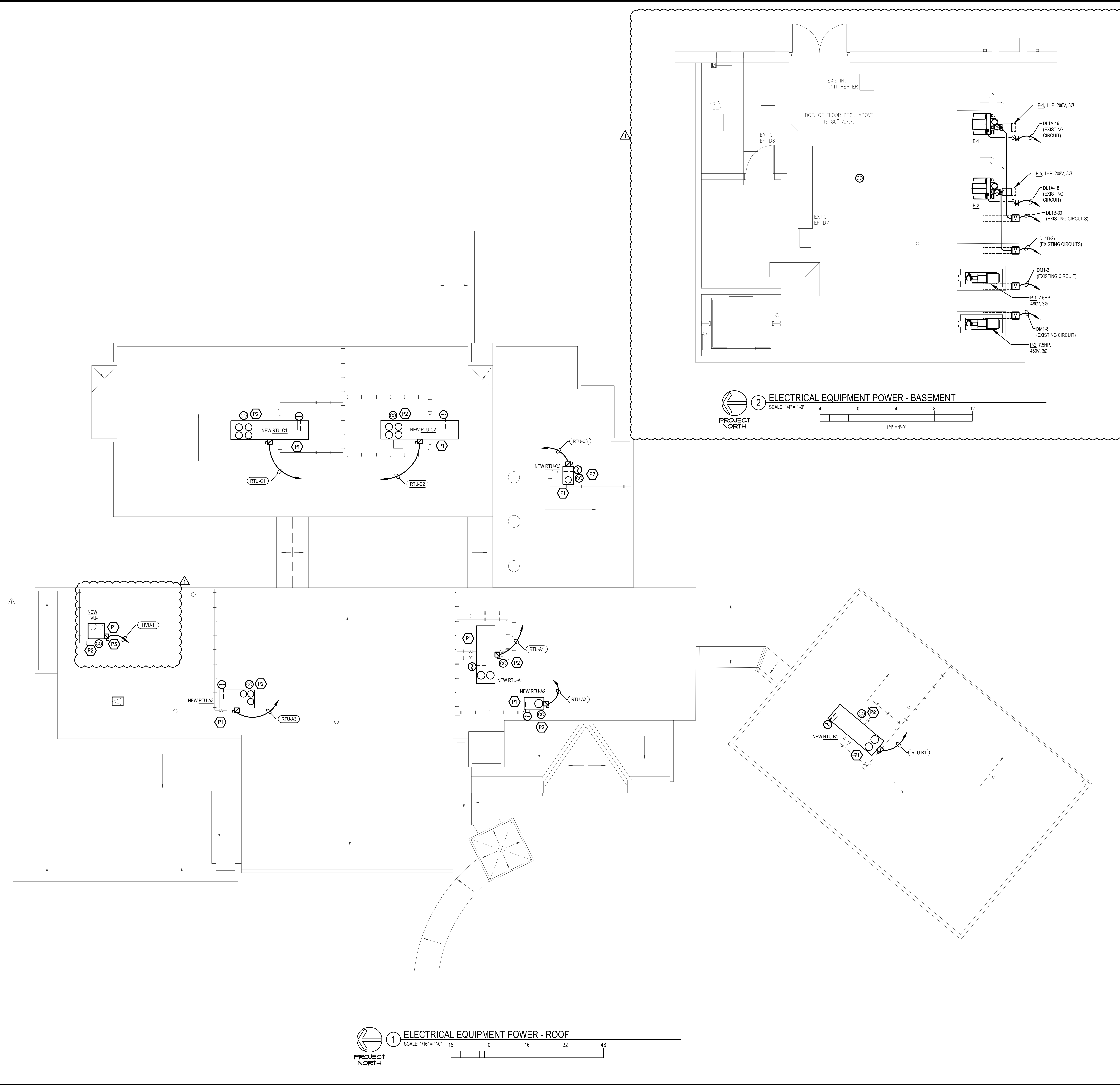
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GENERAL SHEET NOTES

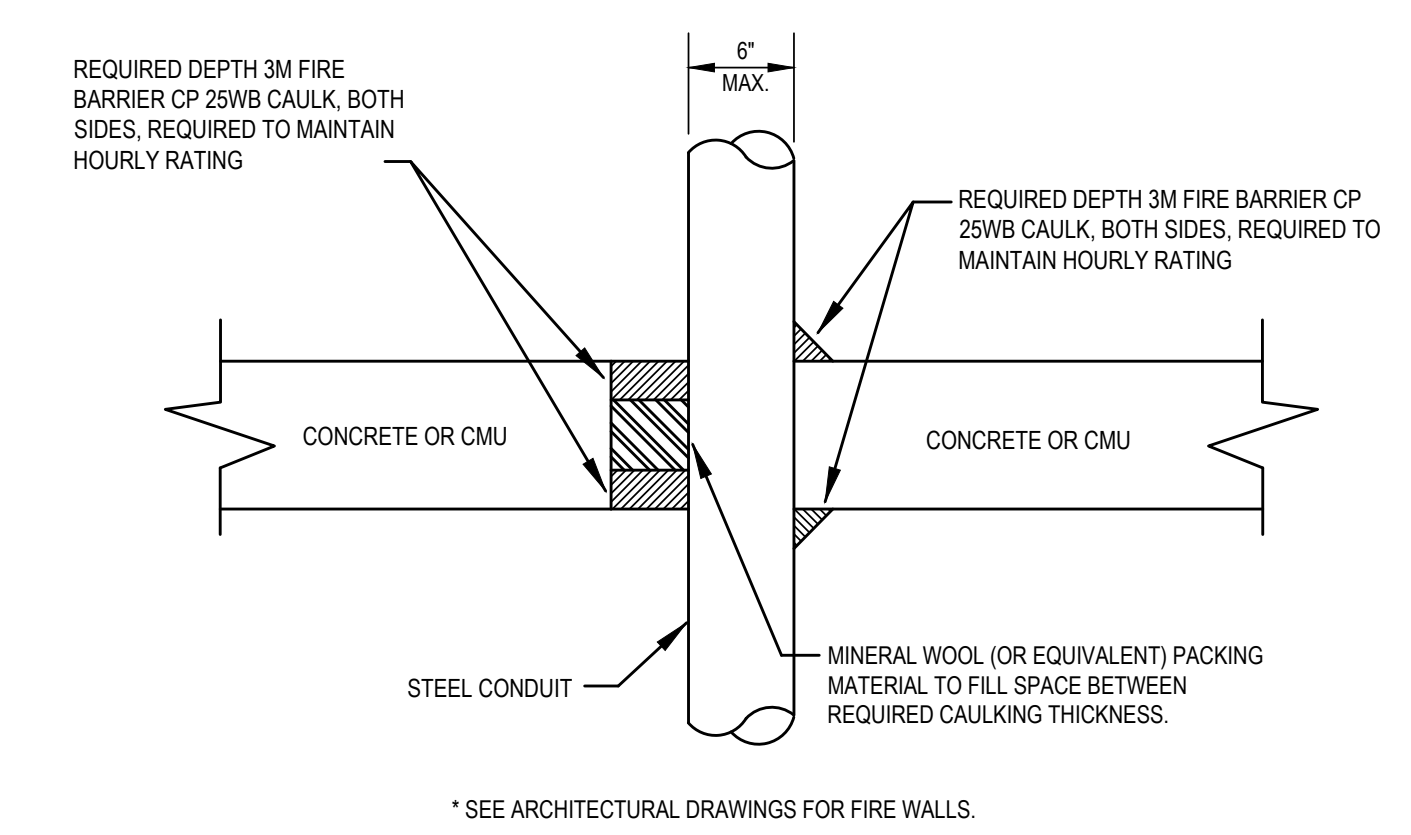
- CONTRACTOR SHALL VERIFY LOADS AND AVAILABILITY OF ALL CIRCUITS BEING MODIFIED AS PART OF THIS PROJECT AND SHALL ENSURE THAT CIRCUIT LOADS DO NOT EXCEED CODE LIMITS. CONTRACTOR SHALL LABEL ALL DEVICES SHOWN TO BE CONNECTED TO EXISTING CIRCUITS WITH THE CURRENT PANEL AND CIRCUIT NUMBER ON THE RECORD DRAWINGS.
- SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT.
- EXISTING FEEDERS MAY BE REUSED IF EXISTING CONDUCTORS MATCH FEEDER SIZES SHOWN IN EQUIPMENT SCHEDULE ON DRAWING E-2.
- NEW FIRE ALARM DEVICES SHALL BE TIED INTO EXISTING SYSTEM. REPROGRAM PANEL AS REQUIRED TO ACCOMMODATE NEW DEVICES. PROVIDE ALL REQUIRED PARTS, MODULES AND LABOR TO EXPAND EXISTING FIRE ALARM PANEL AS REQUIRED. PROVIDE TESTING FOR LOCAL AHJ APPROVAL AS REQUIRED.

POWER PLAN KEYNOTES

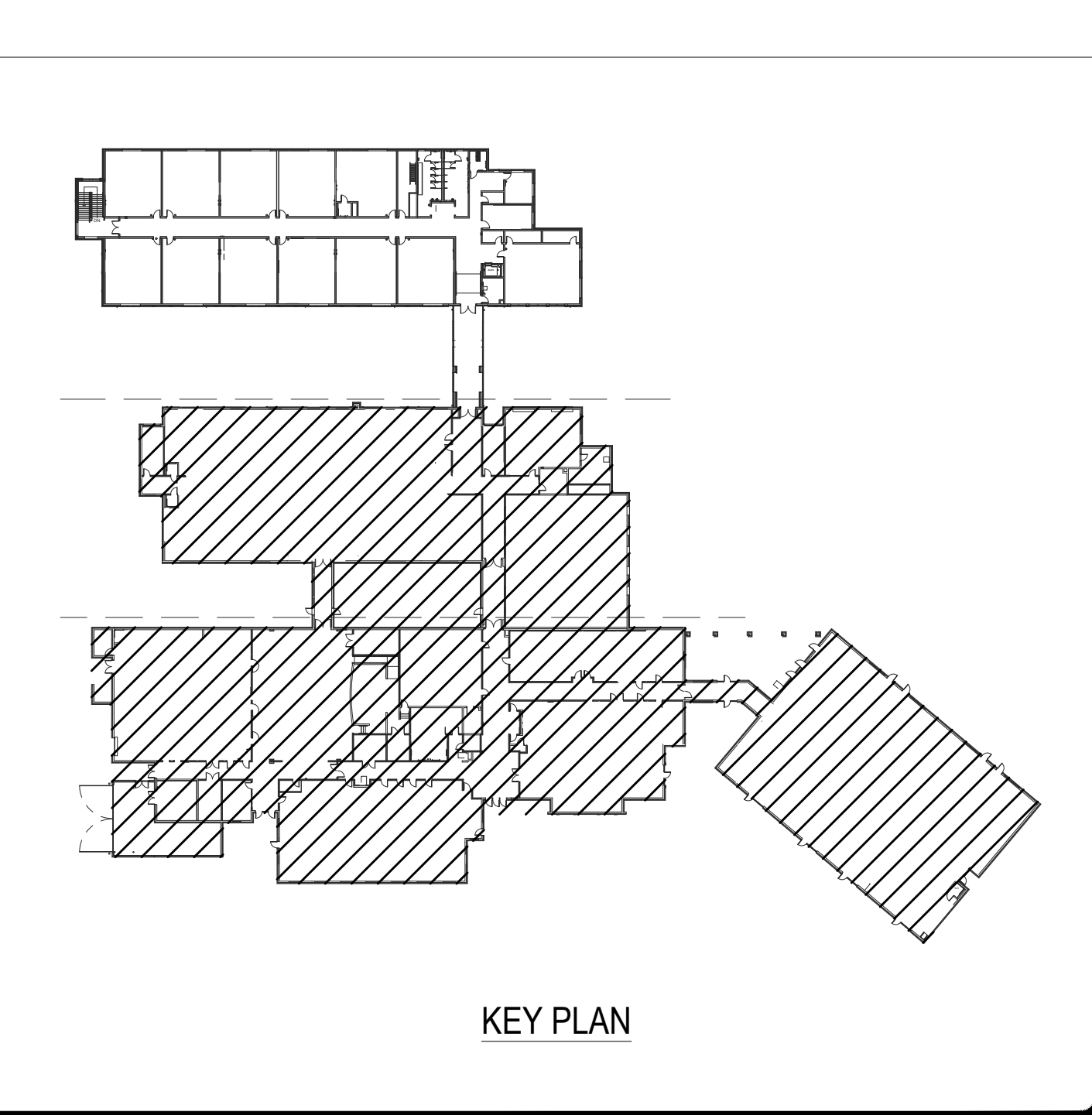
- HVAC UNIT PROVIDED WITH CONVENIENCE RECEPTACLE. EXTEND EXISTING CIRCUIT AND RECONNECT AS REQUIRED.
- INSTALL CARBON MONOXIDE DETECTOR IN CEILING OF FIRST ROOM SERVED BY THIS UNIT.
- HVAC UNIT PROVIDED WITH VFD FOR MOTOR AND REQUIRES THREE ELECTRICAL CIRCUITS. EXTEND EXISTING CIRCUIT (AM1-7B/11) AS REQUIRED FOR CONNECTION TO NEW EQUIPMENT AND PROVIDE (2) ADDITIONAL CIRCUITS AS SHOWN.

HVAC SCHEDULE					
TAG	ELECTRICAL CHAR.	PANEL	WIRE/COND.	DISCONNECT	
HVU-1	4803	27270	3 #8, 1 #10G; 3/4"	FWE	
P-1	4803	9145	DM1	3 #12, 1 #12G; 3/4"	FWE
P-2	4803	9145	DM1	3 #12, 1 #12G; 3/4"	FWE
P-4	2083	1729	DL1B	3 #12, 1 #12G; 3/4"	FWE
P-5	2083	1729	DL1B	3 #12, 1 #12G; 3/4"	FWE
RTU-A1	4803	63,185	AM2	3 #3, 1 #8G; 1 1/4"	FWE
RTU-A2	4803	29,929	AM2	3 #8, 1 #10G; 3/4"	FWE
RTU-A3	4803	67,342	AM1	3 #3, 1 #8G; 1 1/4"	FWE
RTU-B1	4803	70,667	BM1	3 #3, 1 #8G; 1 1/4"	FWE
RTU-C1	4803	85,632	CM1	3 #1, 1 #6G; 1 1/2"	FWE
RTU-C2	4803	108,079	AM2	3 #20, 1 #6G; 2"	FWE
RTU-C3	4803	26,604	AM2	3 #8, 1 #10G; 3/4"	FWE

PROVIDE FIRESTOPPING THRU ALL RATED (1 HOUR AND ABOVE) WALLS. FIRESTOPPING SHALL BE 3M CP 25WB CAULK OR FIRE DAM 150 CAULK OR EQUAL. FIRESTOPPING SHALL BE AS REQUIRED TO MAINTAIN A U.L. SYSTEM CLOSURE. PROVIDE U.L. NO. AND MANUFACTURER'S SPECIFICATION AND INSTALLATION DRAWING FOR ALL SUBSTITUTION REQUESTS.



3 TYPICAL CONDUIT SLEEVE DETAIL



1 ELECTRICAL EQUIPMENT POWER - ROOF

SCALE: 1/16" = 1'-0"

2 ELECTRICAL EQUIPMENT POWER - BASEMENT

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

DESIGN	RAB	CHECKED	PEK
DATE	9-12-23	PROJECT NO.	221202
SHEET			
E-2			

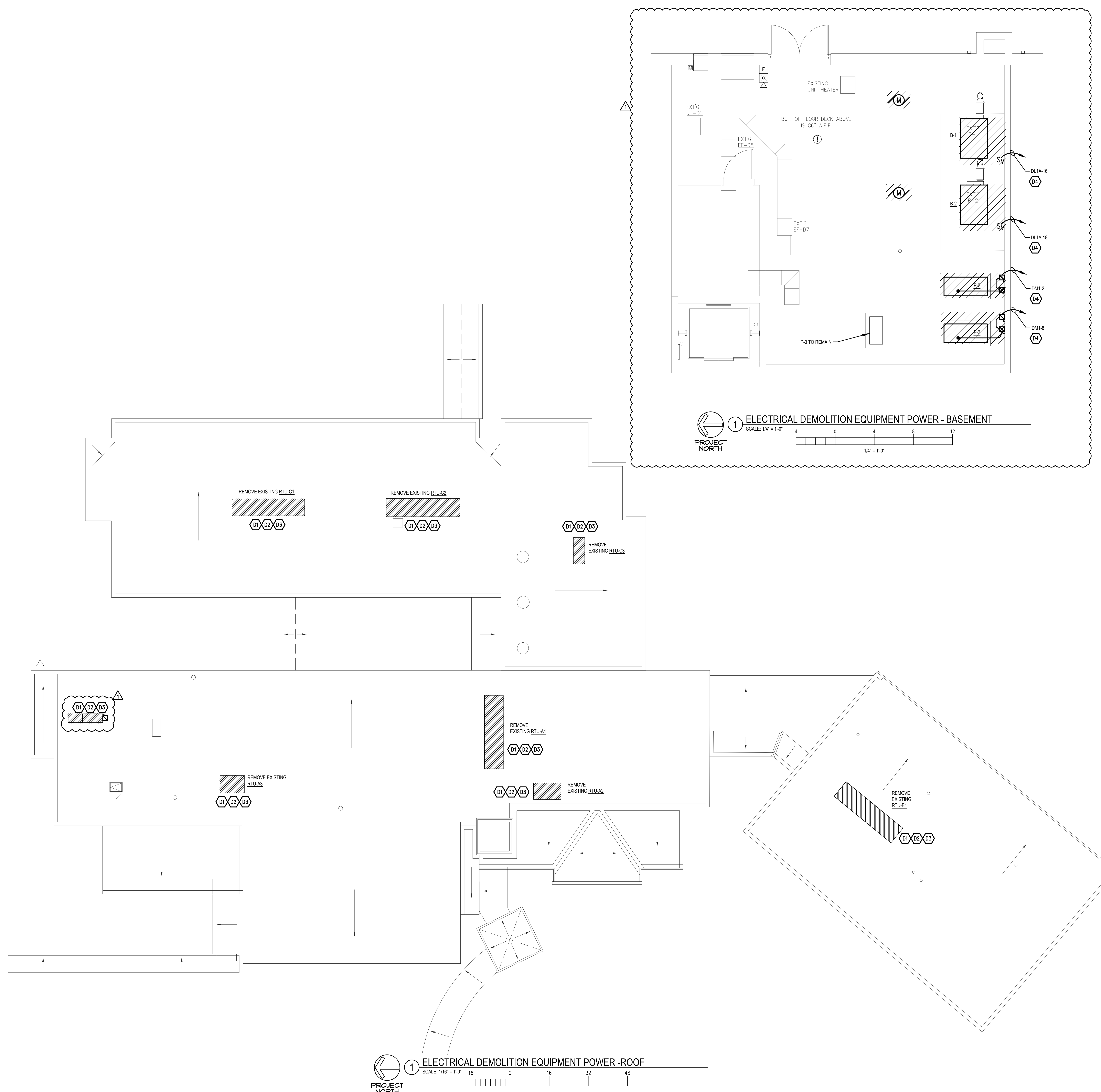
NO.	DATE	BY	DESCRIPTION
1	10/12/23	RAB	ADDENDUM NO.2
0	09/12/23	RAB	ISSUE FOR BID

AWHS	PERITUS
ARCHITECTS & ENGINEERS	ENGINEERS & ARCHITECTS
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HVAC UPGRADE FOR	DESIGN	RAB
SUMMIT DRIVE	CHECKED	PEK
ELEMENTARY SCHOOL	DATE	9-12-23
GREENVILLE, SOUTH CAROLINA	PROJECT NO.	221202
	SHEET	

DESIGN	RAB	DESIGN	TMP
CHECKED	PEK		
DATE	9-12-23		
PROJECT NO.	221202		
SHEET			
E-2			

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GENERAL SHEET NOTES

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- EXISTING FEEDERS MAY BE REUSED IF EXISTING CONDUCTORS MATCH FEEDER SIZES SHOWN IN EQUIPMENT SCHEDULE ON DRAWING E-2.

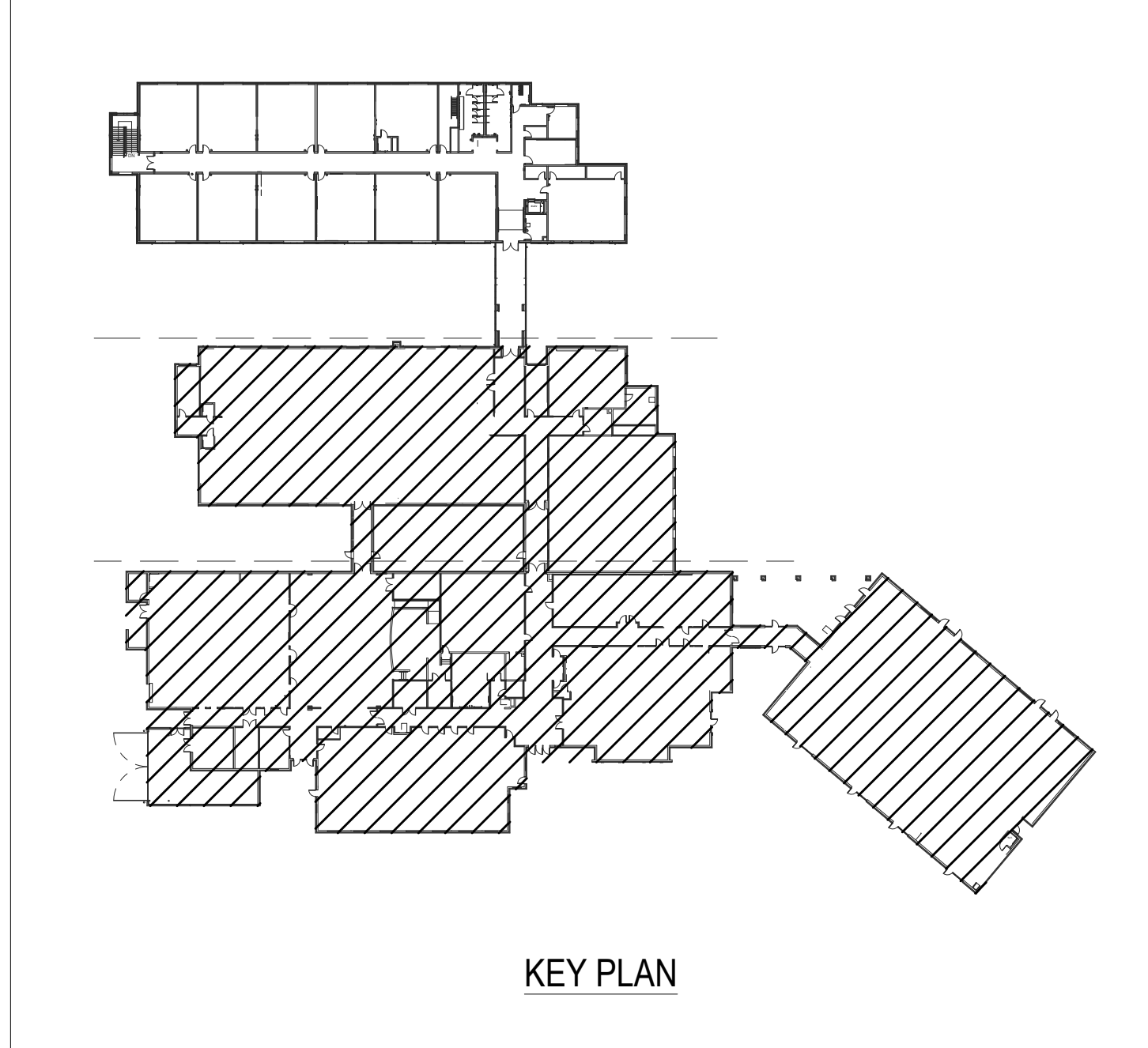
DEMOLITION PLAN KEYNOTES

- DEMOLISH ASSOCIATED ELECTRICAL EQUIPMENT AND CIRCUITS BACK TO PANEL. SEE GENERAL NOTE 2 ABOVE CONCERNING POSSIBLE REUSE OF EXISTING CIRCUITS.
- DISCONNECT ELECTRICAL CONNECTION TO CONVENIENCE RECEPTACLE AND RECONNECT TO NEW CONVENIENCE RECEPTACLE FURNISHED WITH NEW EQUIPMENT.
- EXISTING DUCT-MOUNTED SMOKE DETECTORS TO BE REMOVED AND REPLACED. MODIFY WIRING AS REQUIRED.
- EXISTING CIRCUITS SHALL REMAIN TO POWER NEW PUMPS AT THIS LOCATION.

EXISTING ROOFTOP UNIT SCHEDULE

EXISTING UNIT No.	NOMINAL TONS	EXISTING MODEL No./SERIAL No.	EXISTING ELECTRICAL DATA		AREAS SERVING
			M.C.A.	M.O.P.	
RTU-A1	25	SFHF C25-4P W0A5FD7C01A/COOL33505	79	100	ADMINISTRATION
RTU-A2	12.5	TC0150C40BCA/Z041004440	35	40	MEDIA CENTER
RTU-A3	30	YCD360A4L00A/COOL33389	-	-	CAFETERIA
RTU-B1	30	SFHF C30-4P W0A5CD7C01A/COOL33506	88	100	CLASSROOMS
RTU-C1	40	SFHF C40-4P W0A6BD7C01A/COOL33489	114	125	CLASSROOMS
RTU-C2	50	SFHF C50-4P W0A7BD7001A/COOL33500	142	150	CLASSROOMS
RTU-C3	10	YSC120A4RMA12B4/915100210L	-	-	GYM

* SCHEDULE PROVIDED FOR INFORMATION ONLY, PER MECHANICAL PLANS.



	ADDENDUM NO. 2				
1	10/12/23	RAB	RAB	RAB	ISSUE FOR BID
0	06/17/23	RAB	BY	DATE	DESCRIPTION
NO.	DATE	BY	DATE	DESCRIPTION	REVISIONS

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HVAC UPGRADE FOR
SUMMIT DRIVE ELEMENTARY SCHOOL
GREENVILLE, SOUTH CAROLINA

ELECTRICAL DEMOLITION ROOF PLAN

DESIGN: RAB	DRAWN: TMP
CHECKED: PEK	
DATE: 9-12-23	
PERITUS JOB NO. 221202	
SHEET	

ED-1