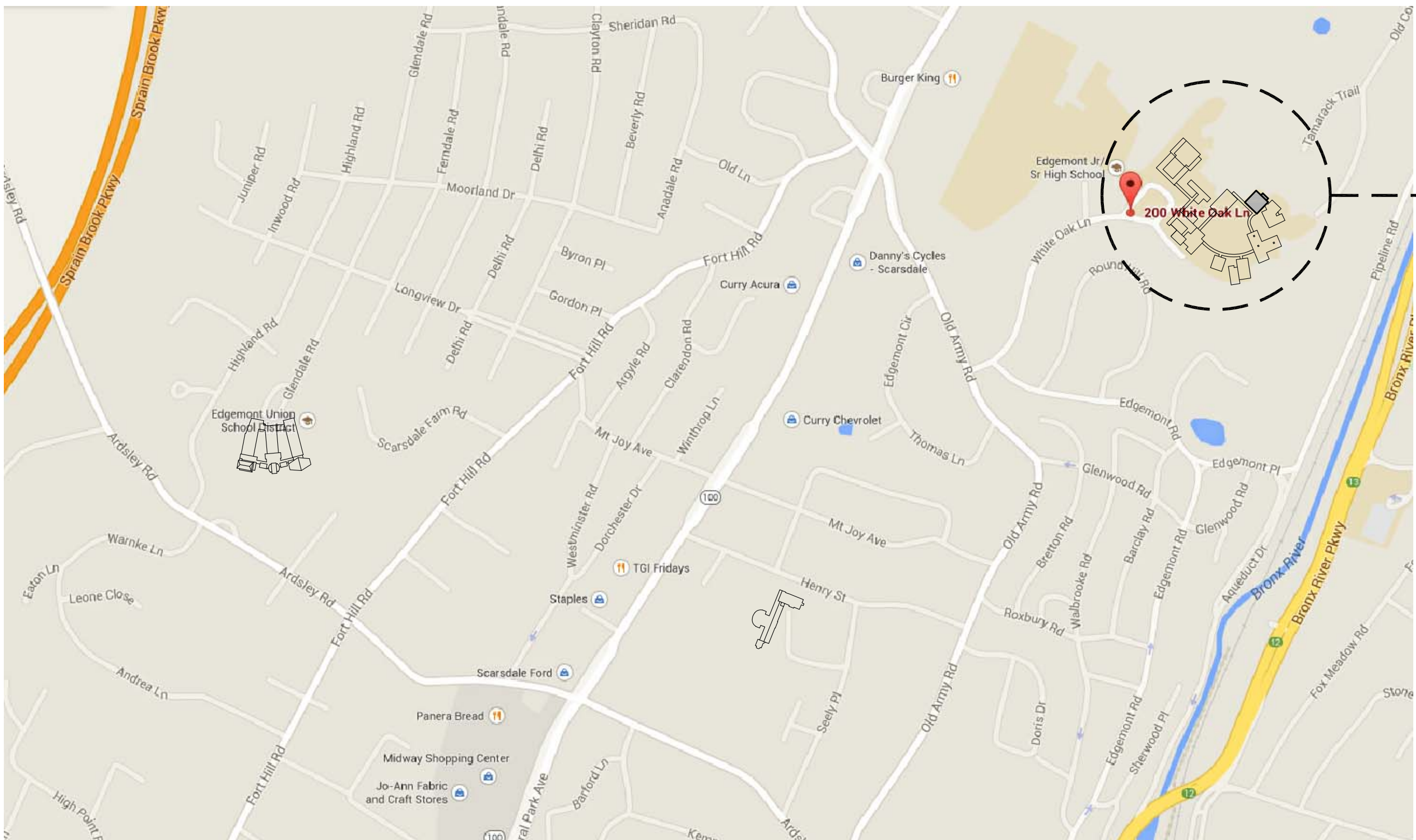


EDGEMONT SCHOOL DISTRICT HIGH SCHOOL RESOURCE BUILDING HVAC UPGRADES AND RELATED WORK

300 WHITE OAK LANE, SCARSDALE, NY 10583

SED PROJECT NUMBER:

RESOURCE BUILDING: 66-04-06-03-0-010-007



EDGEMONT HIGH SCHOOL
300 WHITE OAK LANE, SCARSDALE, NY 10583



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D'ANGELO
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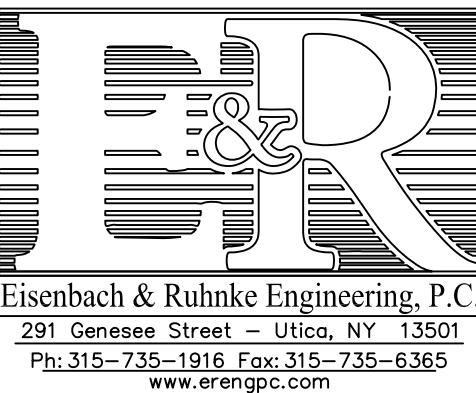
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45 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
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WWW.FULLERDANGELO.COM

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CONSULTANTS:

ENVIRONMENTAL :

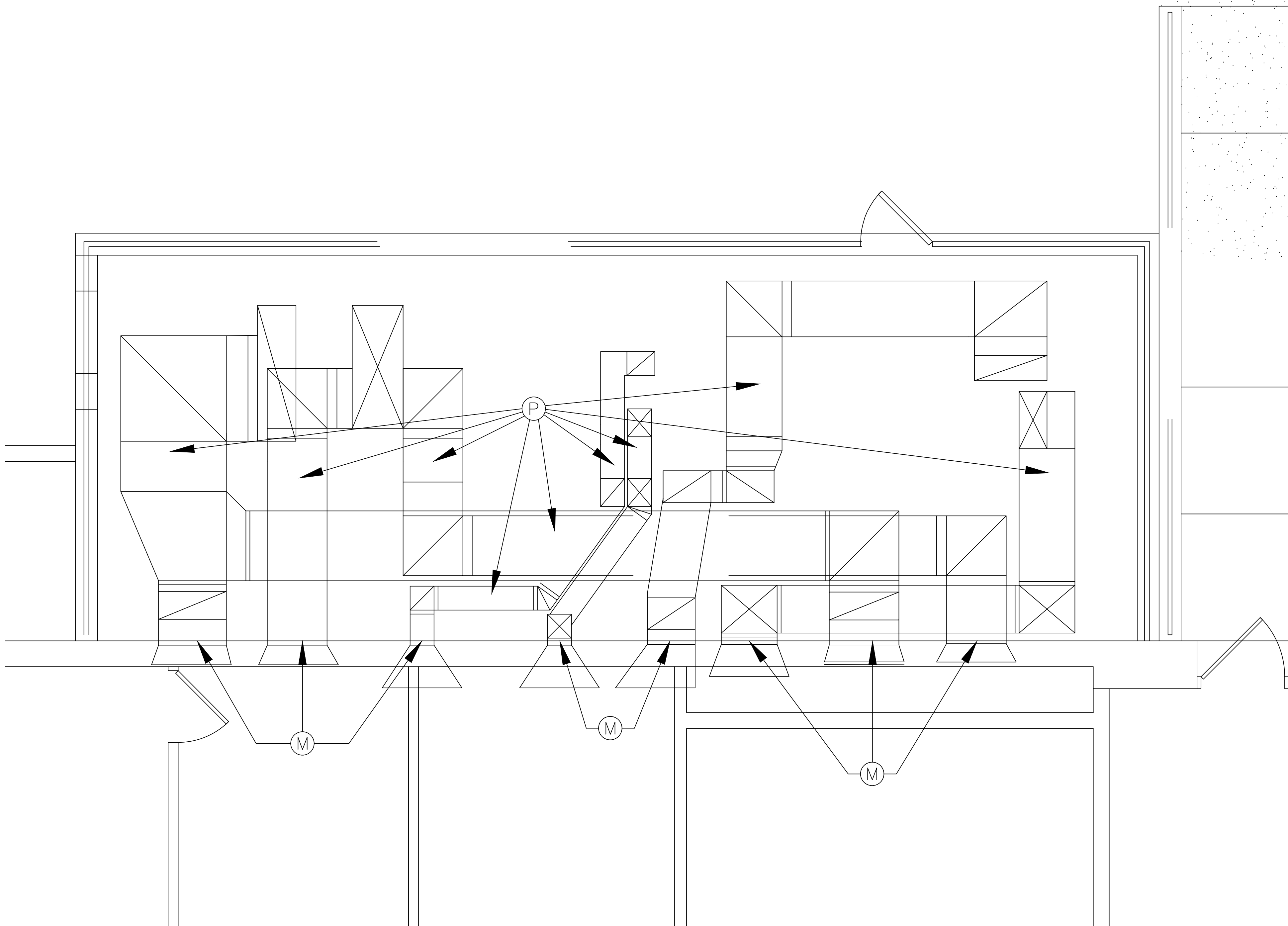


MECHANICAL, PLUMBING AND ELECTRICAL :

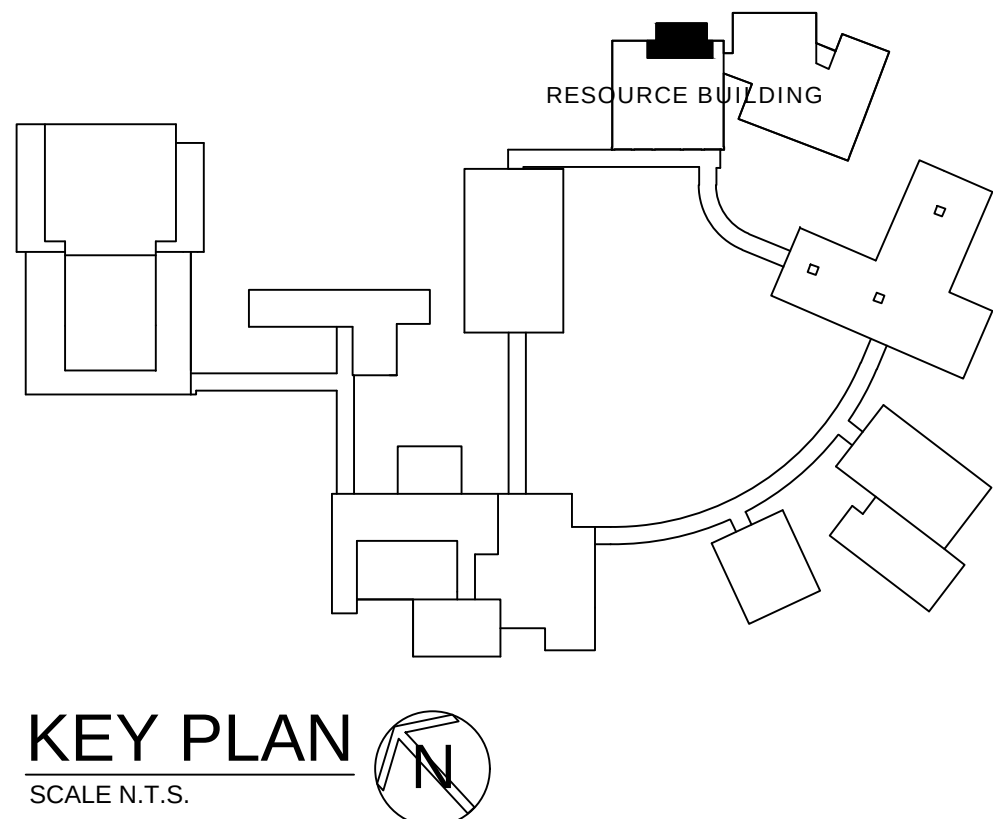
LANDMARK FACILITIES GROUP, INC.

252 EAST AVENUE
NORWALK, CT 06855
TEL: (203) 866-4626
FAX: (203) 866-8019
EMAIL: info@lfginc.com

09-08-2022	BID
DATE	ISSUED TO
SHEET SIZE 30"x42"	DRAWING NO. T-1
SCALE AS NOTED	FILE NO. 21439.00
DRAWN BY F & D	



**RESOURCE BUILDING
SECOND FLOOR PLAN**
1
SCALE: 1/8" = 1'-0"
0 2' 4' 8' 16' 32'



- HAZARDOUS MATERIALS ABATEMENT — GENERAL NOTES:**
- THE FIGURES SHOWN ON THE DRAWINGS ARE INCLUDED HEREIN FOR INFORMATIONAL PURPOSES ONLY AND DO NOT ABSOLVE THE CONTRACTOR FROM THEIR RESPONSIBILITY TO VERIFY ALL MEASUREMENTS PRIOR TO BIDDING. THE ENGINEER DOES NOT STATE THAT THESE MEASUREMENTS ARE COMPLETELY ACCURATE, BUT ARE BASED UPON AVAILABLE DATA.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS AND THE SPECIFICATIONS; INDUSTRIAL CODE RULE 56, ANY APPROVED SPECIFIC AND APPLICABLE VARIANCE; 40 CFR 763 SUBPART E (A.H.E.R.A); 40 CFR 61 SUBPART M (N.E.S.H.A.P); 29 CFR 1926.1101; AND NY STATE EDUCATION DEPARTMENT (S.E.D.) 8–NYCRR PART 155.5 AND APPLICABLE, FEDERAL, STATE AND LOCAL CODES, REGULATIONS AND LAWS.
 - THE CONTRACTOR SHALL PROPOSE TO THE ENGINEER THE METHODS USED FOR ABATEMENT, TRANSPORT, AND DISPOSAL OF ALL HAZARDOUS MATERIALS.
 - THE BUILDING MAY REMAIN OCCUPIED IN PART DURING THE CONSTRUCTION. WORK MUST BE COORDINATED WITH THE OWNER.
 - ALL EMERGENCY EXITS MUST BE MAINTAINED DURING THE WORK. ALL FIRE SAFETY SYSTEMS (SPRINKLERS, SENSORS, EMERGENCY LIGHTS, AND ALARMS) MUST BE MAINTAINED IN AN OPERATING CONDITION.
 - IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PETITION THE NEW YORK STATE DEPARTMENT OF LABOR FOR ANY AND ALL SPECIFIC VARIANCES NECESSARY TO ACCOMPLISH THE WORK OR DESIRED BY THE CONTRACTOR. SPECIFIC VARIANCES ARE SUBJECT TO APPROVAL BY THE OWNER AND ENGINEER.
 - NON-FRIABLE ASBESTOS CONTAINING MATERIALS (E.G. CAULKING AND GLAZING) MAY BE TRANSPORTED FROM THE SITE AND DISPOSED OF AS CONSTRUCTION AND DEMOLITION DEBRIS IN ACCORDANCE WITH 6 NYCRR PART 360 AND 364.
 - ALL NON-FRIABLE ASBESTOS CONTAINING MATERIALS REMOVED FROM THE SITE AS CONSTRUCTION AND DEMOLITION DEBRIS WASTE MUST NOT BE PROCESSED AT A C&D WASTE CONSOLIDATION FACILITY WHERE THE ACM WILL BE GROUND OR PROCESSED BY A MEANS THAT MAY MAKE THE ACM FRIABLE REGULATED ASBESTOS CONTAINING MATERIAL (RACM).
 - ANY ACM MADE FRIABLE BY THE CONTRACTOR SHALL BE MANAGED AND DISPOSED OF AS RACM.
 - FRIABLE ASBESTOS CONTAINING MATERIALS MUST BE HANDLED, TRANSPORTED AND DISPOSED OF AS REGULATED ASBESTOS CONTAINING MATERIALS (RACM). ALL RACM MUST BE MANIFESTED FROM THE SITE USING A REGULATED WASTE MANIFEST (RWM). COPIES OF MANIFEST MUST BE PROVIDED TO OWNERS REPRESENTATIVE AT THE TIME WASTE IS REMOVED FROM SITE. MANIFEST MUST CLEARLY IDENTIFY TYPES OF WASTE AND QUANTITY OF WASTE (I.E. NUMBER OF BAGS, DRUMS) AND WHAT WASTE IS CONTAINED IN THEM.
 - ALL LIQUID WASTE MUST BE CONTAINERIZED IN APPROPRIATE CONTAINERS APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION (DOT) FOR LIQUID WASTE.
 - ALL WASTE MUST BE REMOVED FROM SITE WITHIN 10 DAYS OF JOB COMPLETION. ALL WASTE MANIFESTS SHALL BE SIGNED BY DISPOSAL FACILITY AND RETURNED TO OWNER WITHIN 30 DAYS. DISPOSAL FACILITY SHALL BE THE SAME AS LISTED ON NOTIFICATIONS. ANY DEVIATIONS FROM NOTIFICATION SHALL REQUIRE APPROVAL. WASTE CANNOT BE REMOVED FROM SITE AND MIXED OR TRANSFERRED INTO OTHER WASTE CONTAINERS UNLESS COMPLETED AT A PERMITTED WASTE TRANSFER STATION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL GLUE, NAILS, TAPE, STAPLES, ETC. USED DURING THE ABATEMENT. ANY DAMAGE TO BUILDINGS, OBJECTS, FLOORS, CEILINGS OR WALLS INCLUDING BUT NOT LIMITED TO DAMAGED PAINTED SURFACES WILL BE REPAIRED BY THE CONTRACTOR. DAMAGE TO PAINTED SURFACES WILL BE REPAIRED TO A PAINTABLE CONDITION AND REPAINTED TO MATCH TO THE NEAREST INTERSECTION AS APPROVED BY THE OWNER AND THE ENGINEER.
 - THE OWNER, ENGINEER AND ABATEMENT CONTRACTOR WILL AGREE ON THE LOCATION OF THE PERSONAL AND WASTE DECONTAMINATION ENCLOSURE SYSTEMS.
 - SUPPORT AND PROTECT ALL SYSTEMS EXPOSED BY ABATEMENT. SUCH SYSTEMS INCLUDE WITHOUT LIMITATION: HIGH VOLTAGE LINES; LOW VOLTAGE LINES; PNEUMATIC LINES; CABLE TELEVISION LINES AND TELEPHONE LINES.
 - THE ENGINEER THAT SIGNED THIS DOCUMENT CERTIFIES THAT TO THE BEST OF HIS KNOWLEDGE, INFORMATION, AND BELIEF THE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE STATE ENERGY AND CONSERVATION CONSTRUCTION CODE, CONSTRUCTION STANDARDS OF THE COMMISSIONER OF EDUCATION, NEW YORK STATE DEPARTMENT OF LABOR PART 56 OF TITLE 12 AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY ASBESTOS HAZARD EMERGENCY RESPONSE ACT REGULATIONS.
 - THE ENGINEER, JACK EISENBACH IS ACCREDITED BY THE ENVIRONMENTAL PROTECTION AGENCY UNDER THE AHERA REGULATION FOR ASBESTOS PROJECT DESIGNER (ASBESTOS HANDLING CERTIFICATE NUMBER AH 94–12056).

- ASBESTOS CONTAINING DUCT PIN MASTIC:**
- THIS WORK CONSISTS OF THE REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING PIN MASTIC ASSOCIATED WITH THE AIR HANDLING UNIT DUCT INSULATION.
 - THE PINS HOLD THE FIBERGLASS INSULATION ON THE DUCT WORK.
 - THE CONTRACTOR MAY ABATE THE MASTIC ON THE DUCTWORK OR, WHERE DUCTWORK IS SCHEDULED FOR REMOVAL, DEMOLISH THE DUCTWORK WITH THE MASTIC STILL ATTACHED AND DISPOSE OF AS ASBESTOS CONTAMINATED.
 - COORDINATE ALL REMOVAL WORK WITH THE MECHANICAL CONTRACTOR.

- ASBESTOS CONTAINING WALL MASTIC**
- THIS WORK CONSISTS OF THE REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING WATERPROOFING MASTIC APPLIED TO THE EXTERIOR WALL OF THE BUILDING.
 - THE ABATEMENT CONTRACTOR SHALL REMOVE SUFFICIENT MASTIC FROM THE WALL IN EACH LOCATION WHERE PENETRATIONS ARE BEING CUT OUT OF THE WALL, OR AROUND EXISTING PENETRATIONS TO ALLOW FOR REINSTALLATION OF REPLACEMENT DUCT.
 - THE ABATEMENT CONTRACTOR SHALL REMOVE THE MASTIC TO AT LEAST 6 INCHES BEYOND THE SIZE OF THE DUCTWORK BEING INSTALLED/REPLACED TO ENSURE THAT THE REMAINING MASTIC DOES NOT GET DISTURBED DURING THE MECHANICAL CONTRACTOR'S WORK.
 - COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.

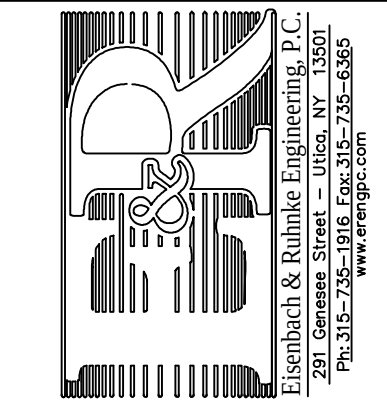
KEY:

- (W) ASBESTOS WALL MASTIC
(P) ASBESTOS DUCT PIN MASTIC

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S.E.D. CONTROL NUMBER
66-04-06-03-0-010-007

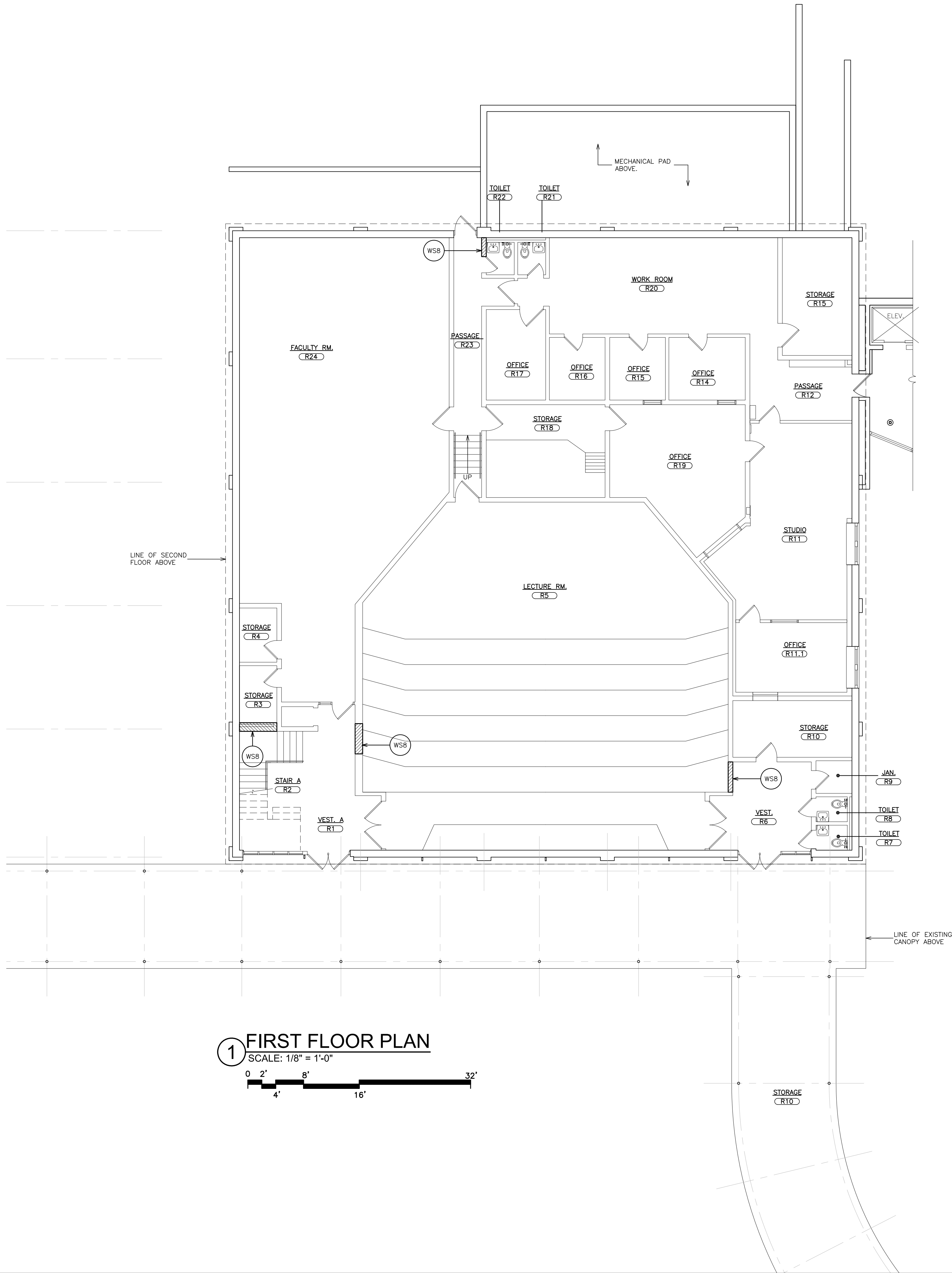
PROJECT: EDGEMONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCHENECTADY, NY 12305

DRAWING TITLE
RESOURCE BUILDING
ABATEMENT PLAN

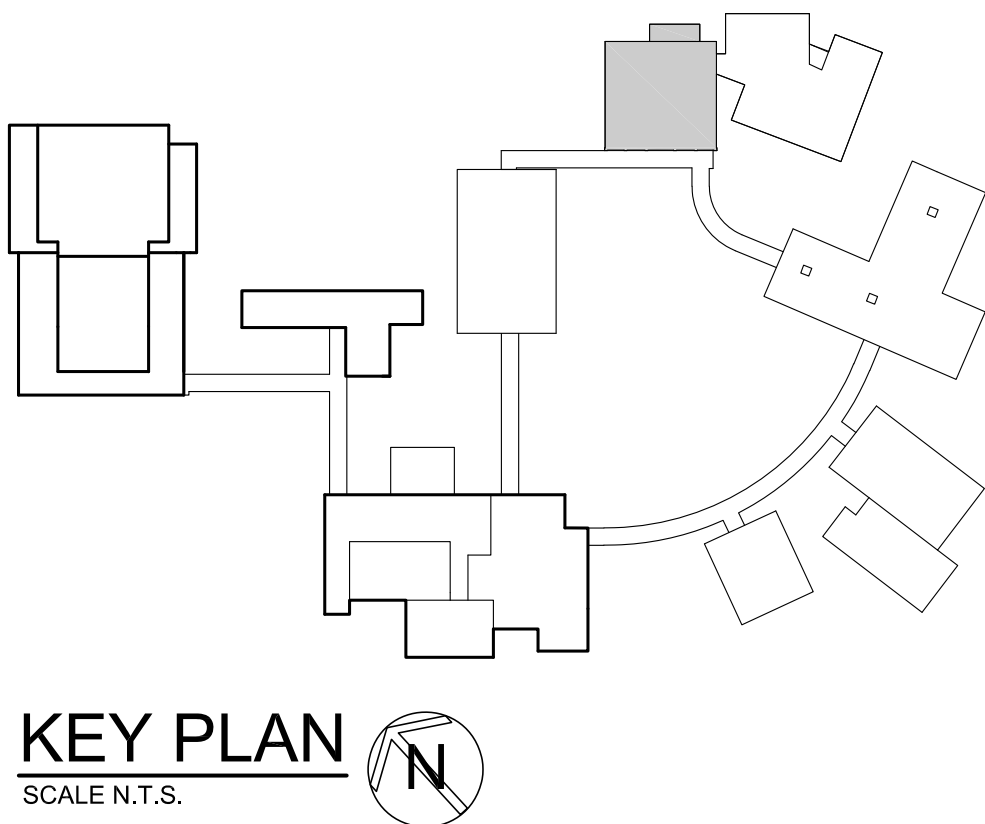
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SHEET SIZE	30"x42"	DRAWING NO.	HS-R
SCALE	AS NOTED		HM100
DRAWN BY	F & D	FILE NO.	21439.00

PLOT DATE: September 06, 2022 -- 8:41am

FILE: I:\21439.00 Resource Bldg HVAC Replace\DRAWINGS\CURRENT\1-F&D\21439.00-A100.dwg



- WORKSCOPE NOTES:**
- WS1 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS.
 - WS2 5" REINFORCED CONCRETE (4000 PSI) SLAB. W/ EPOXY COATED 4x4 W4.0/W4.0 W.W.F. OVER 6" COMPACTED CRUSHED STONE. BASE. SEE DETAIL 8/A112.
 - WS3 24"x24" REINFORCED CONCRETE PIER. MIN. 48" BELOW GRADE. SEE DETAIL 6&7/A112.
 - WS4 24"x24"x8" CONCRETE PIER W/ 4x4 W4.0/W4.0. DOWEL IN (9) 1/2"x6" LONG S.S. ROD & SCREEN SET IN EPOXY. (TYPICAL FOR 7).
 - WS5 10"x48" REINFORCED CONCRETE GRADE BEAM BETWEEN PIERS. TYPICAL. SEE DETAIL 5/A112.
 - WS6 PROVIDE PERIMETER SEALANT & BACKER ROD. SEE SPECIFICATIONS FOR ADDITION INFORMATION.
 - WS7 PROVIDE NEW LED EXTERIOR LIGHT FIXTURE BY HE WILLIAMS MODEL WPAL-L49-B-50-BZ-PC-DIM-UNV.
 - WS8 PROVIDE AND INSTALL 4" BRICK VENEER AND BACK-UP CMU. TOOTHED INTO EXISTING ADJACENT MASONRY. BRICK TO MATCH EXISTING GLAZED BRICK.



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S.E.D. CONTROL NUMBER
65-04-06-03-0010-007

PROJECT TITLE
EDGEMONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583

DRAWING TITLE
FIRST FLOOR PLAN

09-08-2022
DATE
ISSUED TO
BID

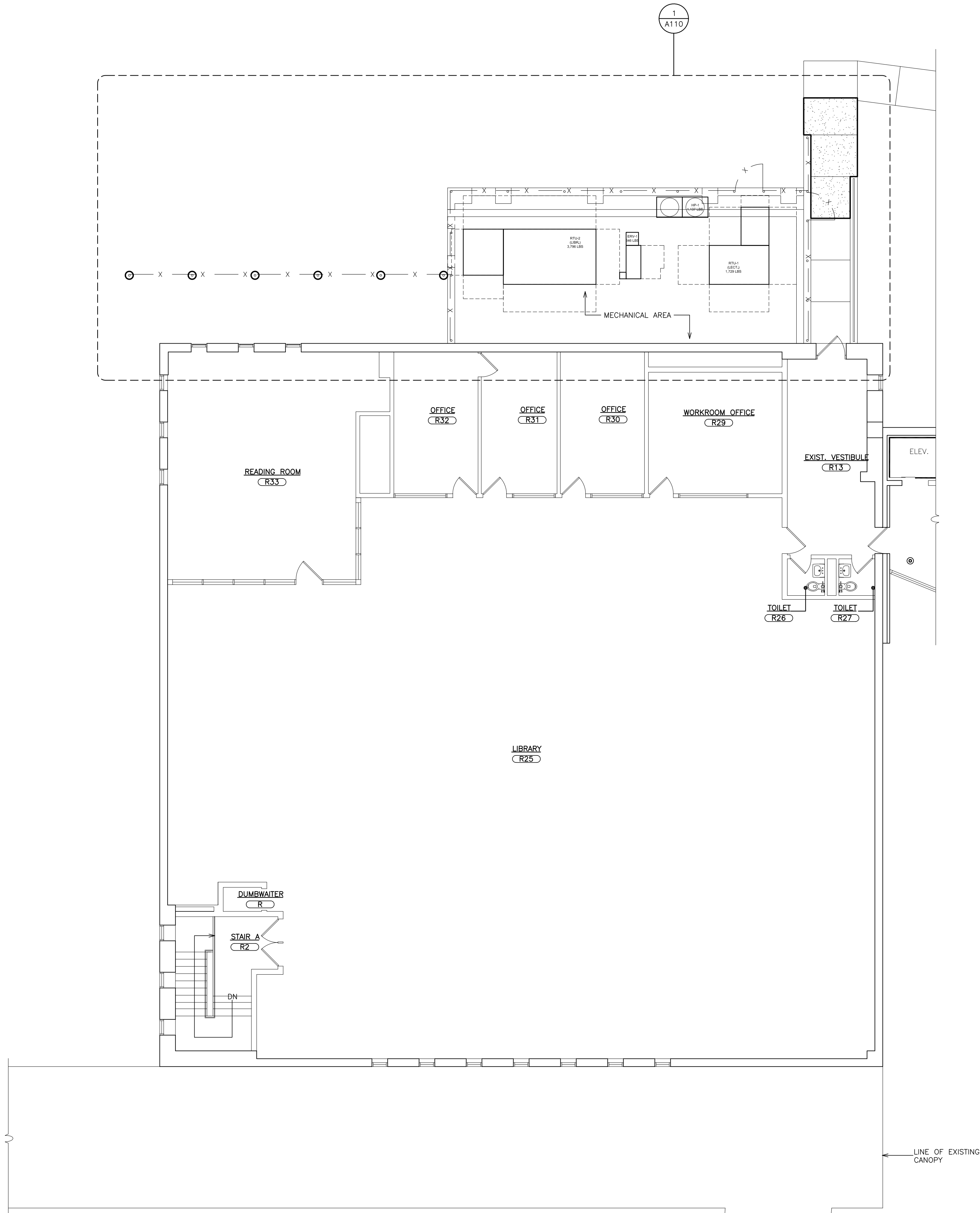
SHEET SIZE
30"x42"

SCALE
AS NOTED

DRAWN BY
F & D

DRAWING NO.
A100

FILE NO.
21439.00



1 SECOND FLOOR PLAN

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



KEY PLAN
SCALE N.T.S.



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S.E.D. CONTROL NUMBER
65-04-06-03-0010-007

PROJECT NAME
EDGE MONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583
DRAWING TITLE
SECOND FLOOR PLAN

DATE
09-08-2022

ISSUED TO
BID

SHEET SIZE
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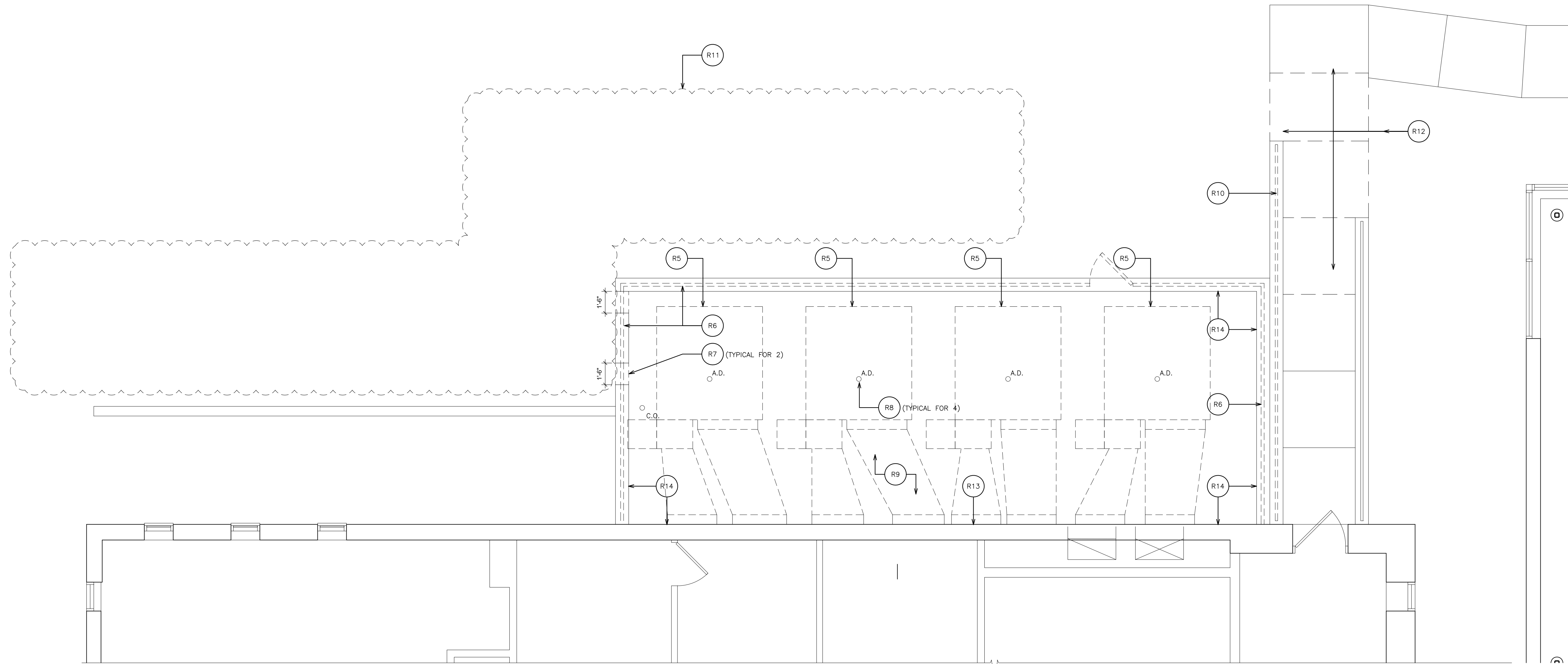
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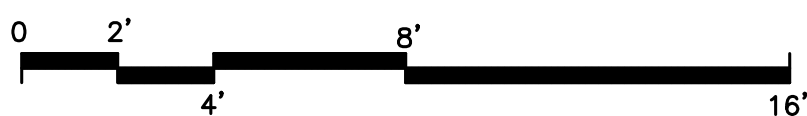
FILE NO.
21439.00

- REMOVAL NOTES:**
(COORDINATE REMOVALS W/ HAZARDOUS MATERIAL DRAWINGS)
- R1 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
 - R2 EXISTING LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
 - R3 EXISTING CEILING MOUNTED DEVICES TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
 - R4 EXISTING DIFFUSER TO BE REMOVED. SEE MECHANICAL DRAWINGS.
 - R5 REMOVE EXISTING MECHANICAL EQUIPMENT, DUNNAGE, DUCTWORK, ETC. SEE MECHANICAL DRAWING FOR ADDITIONAL INFORMATION.
 - R6 REMOVE EXISTING 12 FT. HIGH CHAIN LINK FENCE, POSTS, FOOTINGS, FABRIC, GATE, ETC.
 - R7 SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE CURB TO ALLOW FOR DRAINAGE. TYPICAL FOR 2. PATCH OPENING.
 - R8 REMOVE DEBRIS FROM AREA DRAINS. CLEAN OUT DRAIN AND UNCLG AS REQUIRED. POWER JET CLEAN EXISTING AREAWAY DRAINS FOR A MINIMUM DISTANCE OF 75 L.F. (TYPICAL FOR 4).
 - R9 POWER WASH EXISTING CONCRETE SLAB AND CURB TO REMOVE ALL BIOLOGICAL ELEMENTS.
 - R10 REMOVE EXISTING METAL GUARDRAILS AND POSTS. FILL EXISTING POST HOLES WITH HYDRAULIC CEMENT. FOR INSTALLATION OF NEW FENCE.
 - R11 REMOVE ALL EXISTING VEGETATION, VINES, SHRUBS, ETC. FROM ENTIRE EXISTING WALL AND MINIMUM OF 10'-0" IN FRONT OF WALL.
 - R12 SAW-CUT & REMOVE PORTION EXISTING CONCRETE WALK, BASE, EXPANSION JOINTS AND ALL RELATED ITEMS. REMOVE EXISTING SUB-BASE TO ACCOMMODATE DEPTH OF NEW CONCRETE WALK SYSTEM.
 - R13 EXISTING EXTERIOR LIGHT FIXTURE TO BE REMOVED. PATCH ALL DISTURBED SURFACES.
 - R14 REMOVE EXISTING SEALANT AND BACKER ROD AT PERIMETER OF MECHANICAL PAD.

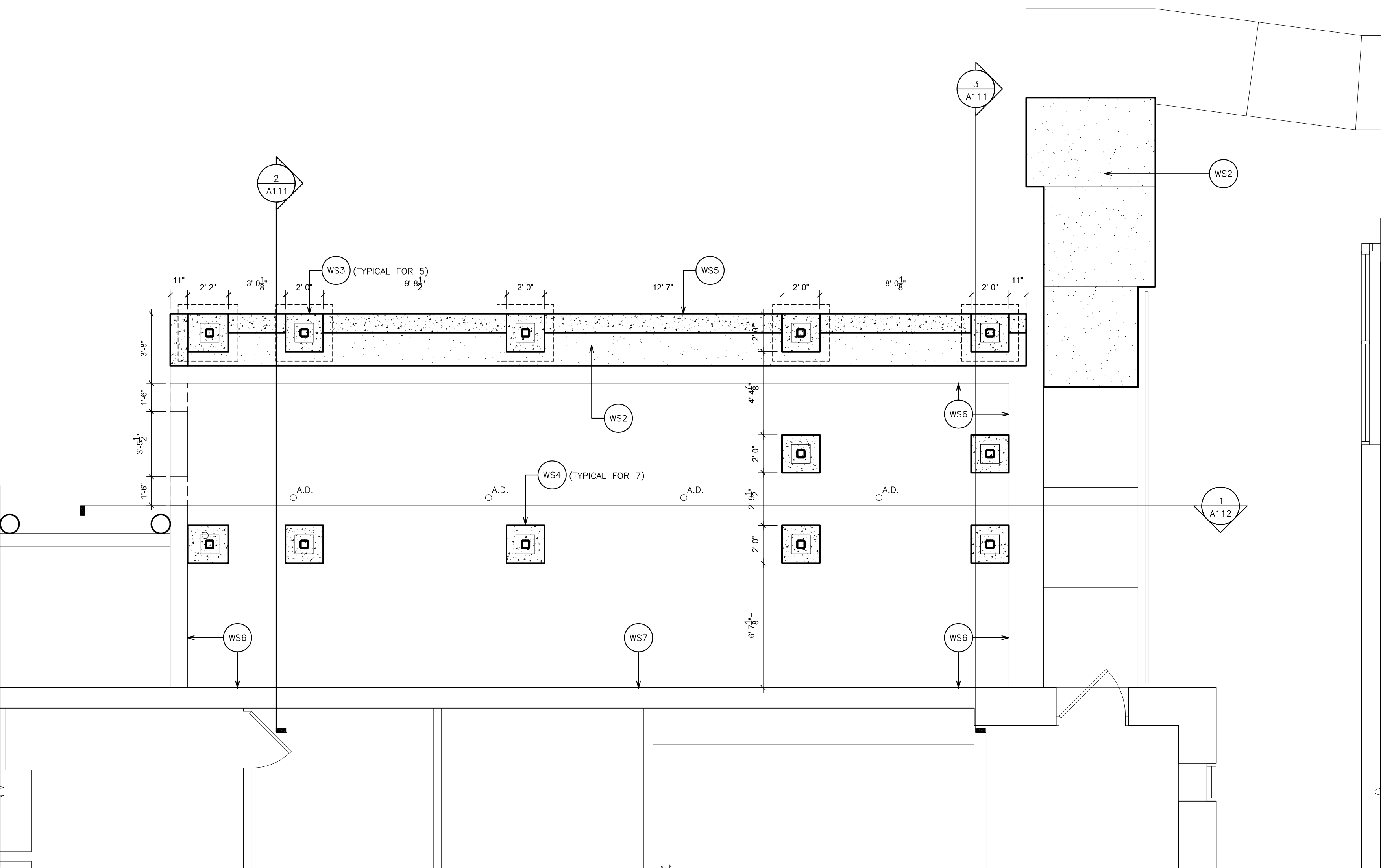
- WORKSCOPE NOTES:**
- WS1 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS.
 - WS2 5" REINFORCED CONCRETE (4000 PSI) SLAB. W/ EPOXY COATED 4x4 W4.0/W4.0 W.W.F. OVER 6" COMPACTED CRUSHED STONE BASE. SEE DETAIL 8/A112.
 - WS3 24"x24" REINFORCED CONCRETE PIER. MIN. 48" BELOW GRADE. SEE DETAIL 6&7/A112.
 - WS4 24"x24"x6" CONCRETE PIER W/ 4x4 W4.0/W4.0. DOWEL IN (9) 1/2"x6" LONG S.S. ROD & SCREEN SET IN EPOXY. (TYPICAL FOR 7).
 - WS5 10"x48" REINFORCED CONCRETE GRADE BEAM BETWEEN PIERS. TYPICAL. SEE DETAIL 5/A112.
 - WS6 PROVIDE PERIMETER SEALANT & BACKER ROD. SEE SPECIFICATIONS FOR ADDITION INFORMATION.
 - WS7 PROVIDE NEW LED EXTERIOR LIGHT FIXTURE BY HE WILLIAMS MODEL WPAL-L49-8-50-B2-PC-DIM-UNV.
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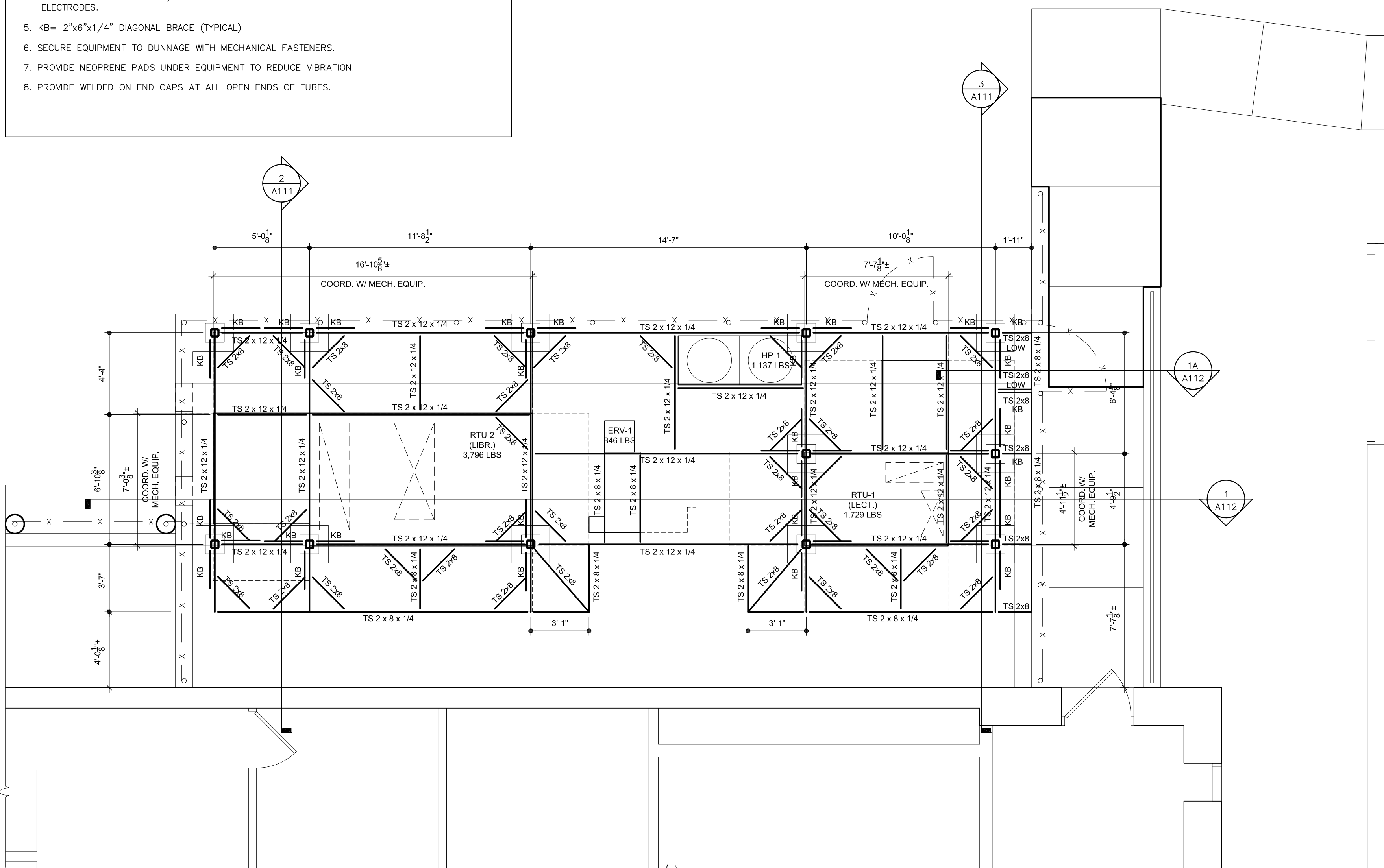
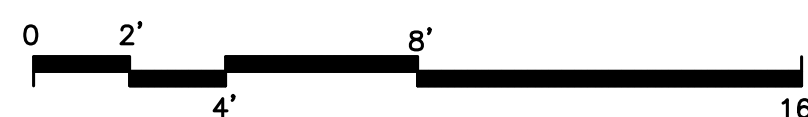
1 REMOVAL PLAN
SCALE: 1/4" = 1'-0"



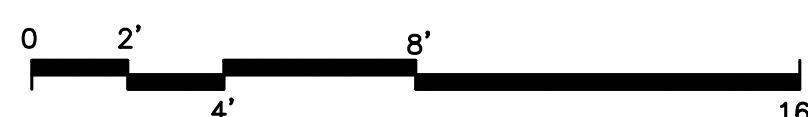
- NOTES:**
- CONTRACTOR TO COORDINATE PLATFORM DIMENSIONS WITH FINAL APPROVAL RTU SPECIFICATION SHEETS. DUNNAGE PLATFORM DESIGN BASED ON THE SPECIFIED MECHANICAL EQUIPMENT. IF MECHANICAL EQUIPMENT OTHER THAN SPECIFIED IS SUBMITTED AND APPROVED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE MODIFICATIONS TO THE DUNNAGE PLATFORM TO SUIT.
 - DUNNAGE STEEL TO BE GALVANIZED.
 - STEEL TO CONFORM WITH ASTM A997 GRADE 50. POST TO CONFORM WITH ASTM A500.
 - BOLTS TO BE GALVANIZED 3/4" A325 WITH GALVANIZED WASHERS. WELDS TO UTILIZE E70XX ELECTRODES.
 - KB= 2"x6"x1/4" DIAGONAL BRACE (TYPICAL)
 - SECURE EQUIPMENT TO DUNNAGE WITH MECHANICAL FASTENERS.
 - PROVIDE NEOPRENE PADS UNDER EQUIPMENT TO REDUCE VIBRATION.
 - PROVIDE WELDED ON END CAPS AT ALL OPEN ENDS OF TUBES.



2 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



3 STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"



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PLANNERS**

S.E.D. CONTROL NUMBER
65-04-06-03-0010-007

PROJECT TITLE
EDMONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, GARDEN CITY, NY 11530

DRAWING TITLE
REMOVAL PLAN, FOOTING PLAN &
STRUCTURAL PLAN

09-08-2022
DATE

ISSUED TO
BID

SHEET SIZE
30"x42"

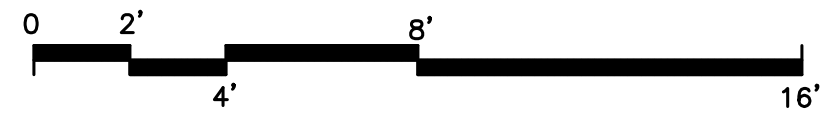
SCALE
AS NOTED

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FILE NO.
21439.00

A110

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



4 SCALE: 1" = 1'-0"



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PLANNERS

S.E.D. CONTROL NUMBER
98-04-08-03-0-010-007

PROJECT TITLE
EDGEMONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
200 WHITE OAK AVE. SCARSDALE, NY 10592

DRAWING TITLE
DUNNAGE PLATFORM PLAN & DUNNAGE

09-08-2022
DATE

ISS

SHEET SIZE
30"x42"

DRAWING

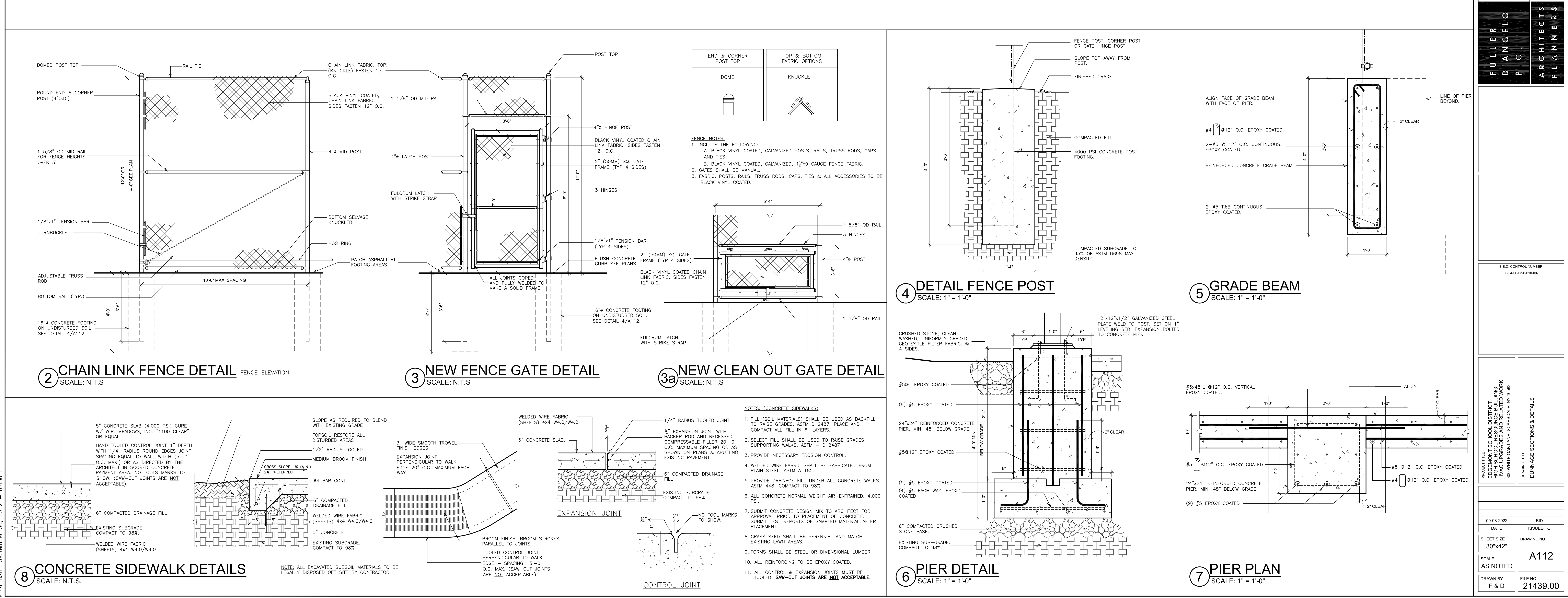
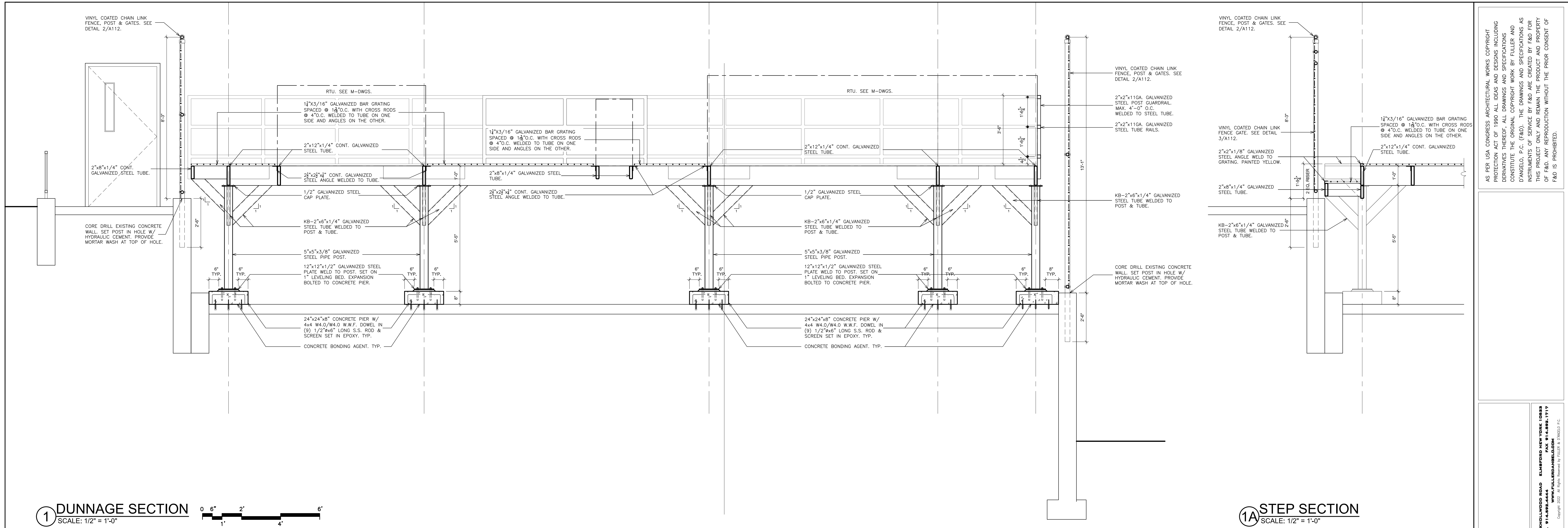
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FILE NO
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FILE: I:\21439.00 Resource Bldg HVAC Replace\DRAWINGS\CURRENT\1-F&D\21439.00-A100.dwg



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S.E.D. CONTROL NUMBER
65-04-56-03-0010007

PROJECT TITLE
EDGEWOOD SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC REPLACEMENT AND RELATED WORK
300 WHITE OAK LANE, ELMSFORD, NY 10523

DRAWING TITLE
DUNNAGE SECTIONS & DETAILS

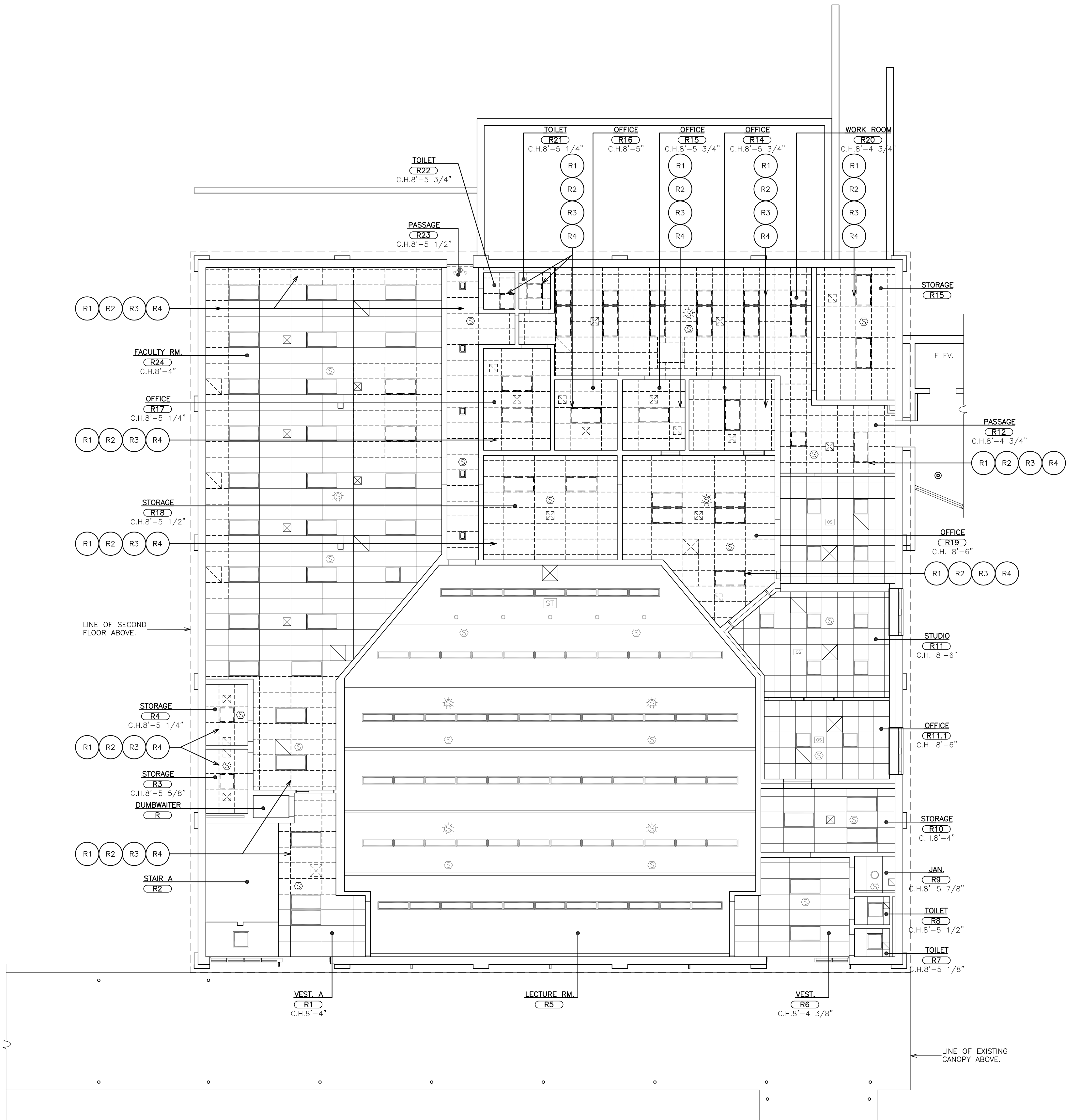
09-08-2022
DATE
ISSUED TO
R/D

SHEET SIZE
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SCALE
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A112

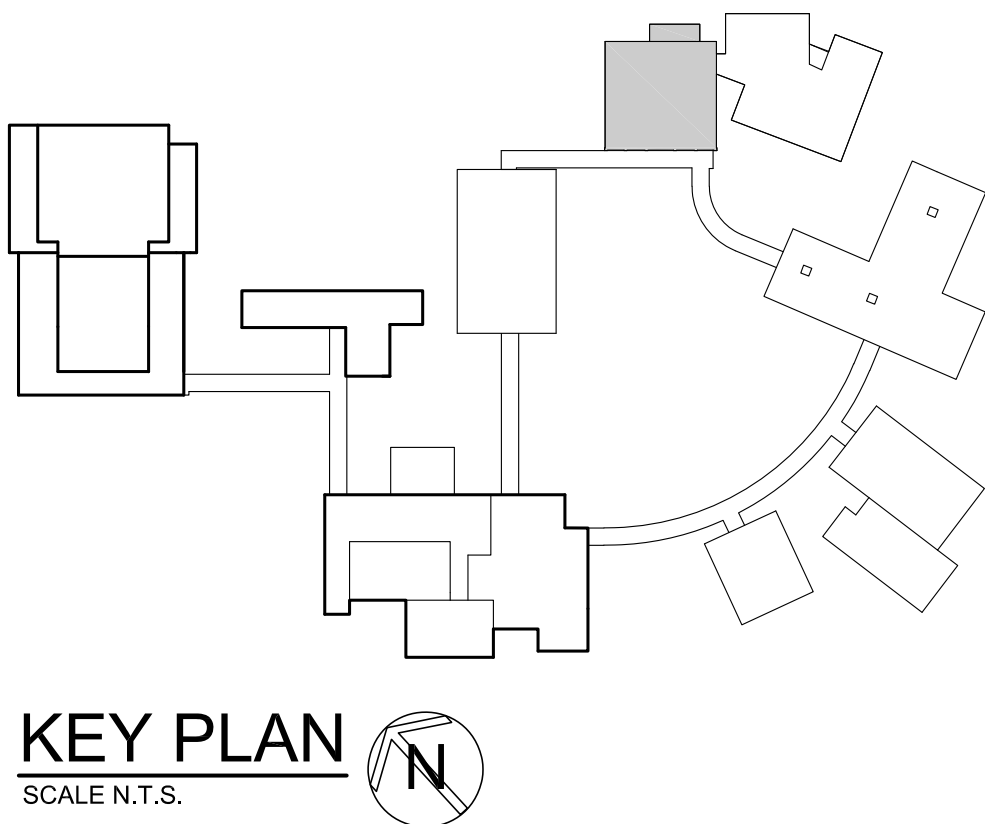
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FILE NO.
21439.00

PLOT DATE: September 06, 2022 -- 8:40am

FILE: I:\21439.00 Resource Bldg HVAC Replace\DRAWINGS\CURRENT\1-F&D\21439.00-AR200.dwg



1 FIRST FLOOR REMOVAL REFLECTIVE CEILING PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE N.T.S.

- REMOVAL NOTES:**
(COORDINATE REMOVALS W/ HAZARDOUS MATERIAL DRAWINGS)
- R1 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. EXISTING LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
 - R2 EXISTING CEILING MOUNTED DEVICES TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
 - R3 EXISTING DIFFUSER TO BE REMOVED. SEE MECHANICAL DRAWINGS.
 - R4 REMOVE EXISTING MECHANICAL EQUIPMENT, DUNNAGE, DUCTWORK, ETC. SEE MECHANICAL DRAWING FOR ADDITIONAL INFORMATION.
 - R5 REMOVE EXISTING 12 FT. HIGH CHAIN LINK FENCE, POSTS, FOOTINGS, FABRIC, GATE, ETC.
 - R6 SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE CURB TO ALLOW FOR DRAINAGE. TYPICAL FOR 2, PATCH OPENING.
 - R7 REMOVE DEBRIS FROM AREA DRAINS. CLEAN OUT DRAIN AND UNLOG AS REQUIRED. POWER JET CLEAN EXISTING AREAWAY DRAINS FOR A MINIMUM DISTANCE OF 75 L.F. (TYPICAL FOR 4).
 - R8 POWER WASH EXISTING CONCRETE SLAB AND CURB TO REMOVE ALL BIOLOGICAL ELEMENTS.
 - R9 REMOVE EXISTING METAL GUARDRAILS AND POSTS. FILL EXISTING POST HOLES WITH HYDRAULIC CEMENT. FOR INSTALLATION OF NEW FENCE.
 - R10 REMOVE ALL EXISTING VEGETATION, VINES, SHRUBS, ETC. FROM ENTIRE EXISTING WALL AND MINIMUM OF 10'-0" IN FRONT OF WALL.
 - R11 SAW-CUT & REMOVE PORTION EXISTING CONCRETE WALK, BASE, EXPANSION JOINTS AND ALL RELATED ITEMS. REMOVE EXISTING SUB-BASE TO ACCOMMODATE DEPTH OF NEW CONCRETE WALK SYSTEM.
 - R12 EXISTING EXTERIOR LIGHT FIXTURE TO BE REMOVED. PATCH ALL DISTURBED SURFACES.
 - R13 REMOVE EXISTING SEALANT AND BACKER ROD AT PERIMETER OF MECHANICAL PAD.
 - R14

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P.C.
ARCHITECTS
PLANNERS

S.E.D. CONTROL NUMBER
65-04-06-03-0010-007

PROJECT TITLE
EDGE MOUNT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583
DRAWING TITLE
FIRST FLOOR REMOVAL REFLECTIVE CEILING
PLAN

09-08-2022
DATE

ISSUED TO
RID

SHEET SIZE
30"x42"

SCALE
AS NOTED

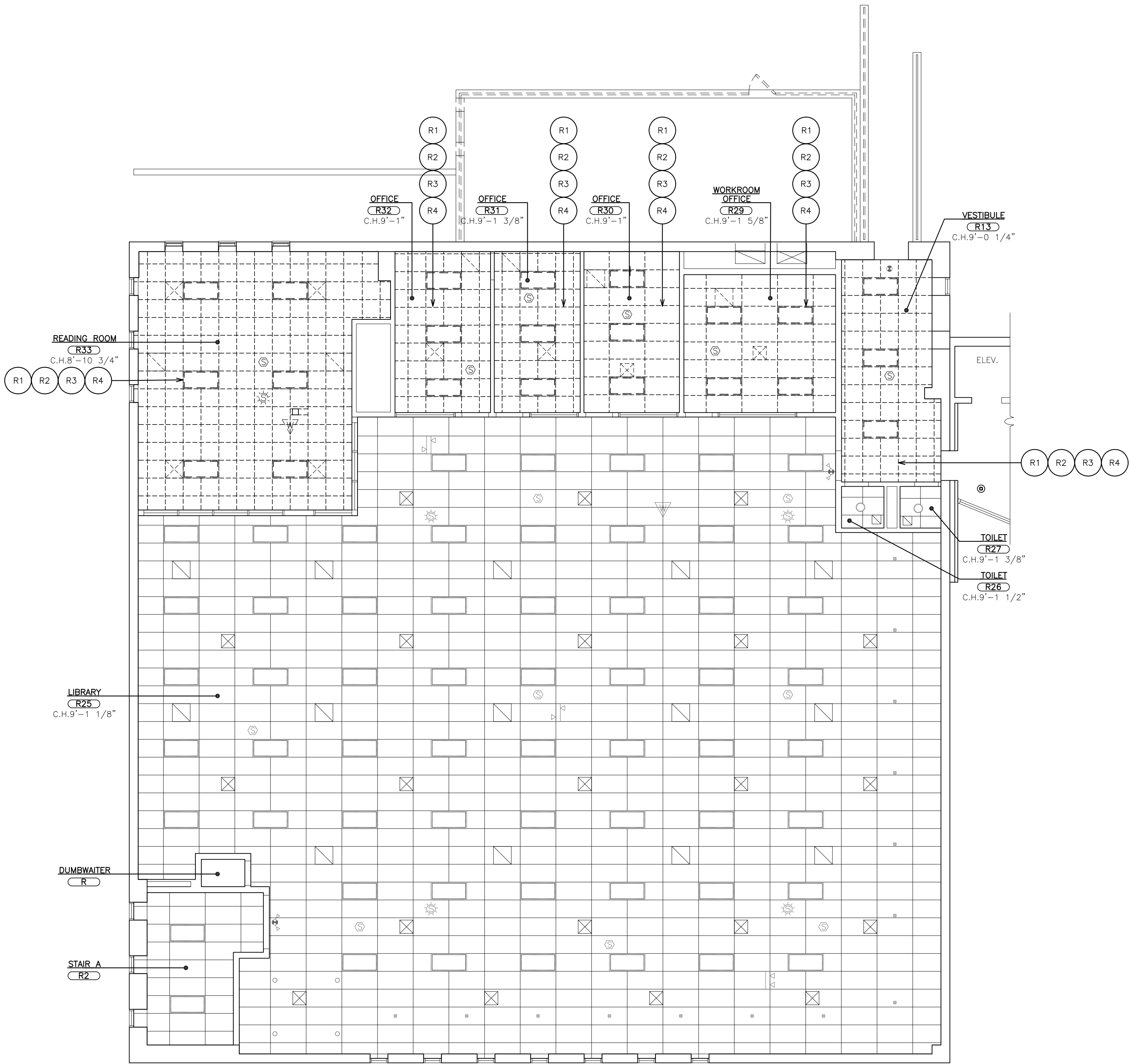
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FILE NO.
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AR200

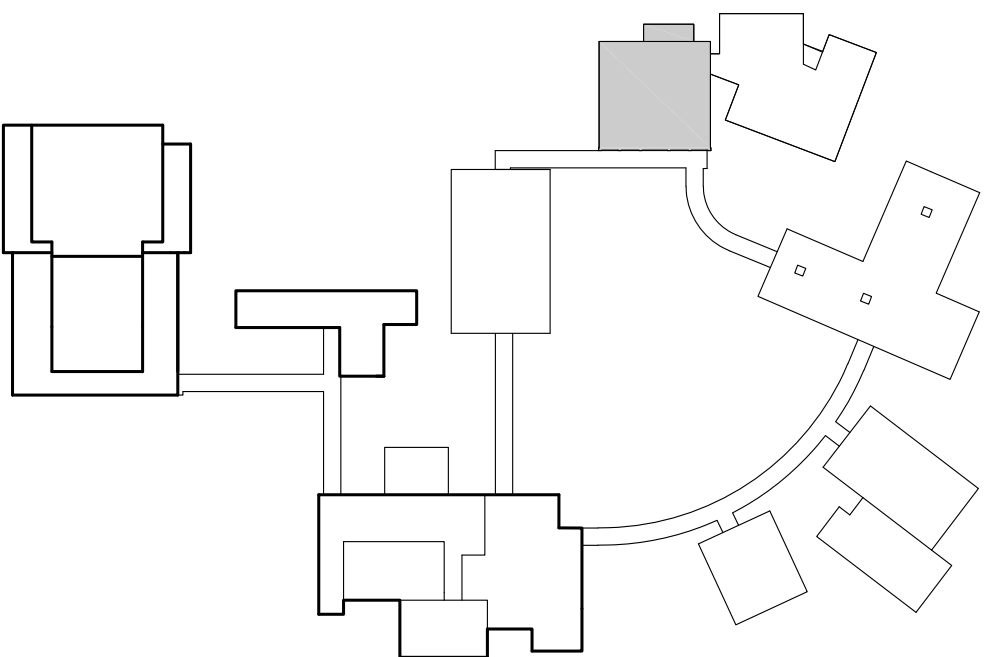
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1 SECOND FLOOR REMOVAL REFLECTED CEILING PLAN

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



KEY PLAN
SCALE N.T.S.



- REMOVAL NOTES:**
(COORDINATE REMOVALS W/ HAZARDOUS MATERIAL DRAWINGS)
- R1 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. EXISTING LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
 - R2 EXISTING CEILING MOUNTED DEVICES TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
 - R3 EXISTING DIFFUSER TO BE REMOVED. SEE MECHANICAL DRAWINGS.
 - R5 REMOVE EXISTING MECHANICAL EQUIPMENT, DUNNAGE, DUCTWORK, ETC. SEE MECHANICAL DRAWING FOR ADDITIONAL INFORMATION.
 - R6 REMOVE EXISTING 12 FT. HIGH CHAIN LINK FENCE, POSTS, FOOTINGS, FABRIC, GATE, ETC.
 - R7 SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE CURB TO ALLOW FOR DRAINAGE. TYPICAL FOR 2, PATCH OPENING.
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 - R10 REMOVE EXISTING METAL GUARDRAILS AND POSTS. FILL EXISTING POST HOLES WITH HYDRAULIC CEMENT. FOR INSTALLATION OF NEW FENCE.
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 - R12 SAW-CUT & REMOVE PORTION EXISTING CONCRETE WALK, BASE, EXPANSION JOINTS AND ALL RELATED ITEMS. REMOVE EXISTING SUB-BASE TO ACCOMMODATE DEPTH OF NEW CONCRETE WALK SYSTEM.
 - R13 EXISTING EXTERIOR LIGHT FIXTURE TO BE REMOVED. PATCH ALL DISTURBED SURFACES.
 - R14 REMOVE EXISTING SEALANT AND BACKER ROD AT PERIMETER OF MECHANICAL PAD.

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ARCHITECTS
PLANNERS

S.E.D. CONTROL NUMBER
65-04-06-03-0010-007

PROJECT TITLE
EDGE MONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583

DRAWING TITLE
SECOND FLOOR REMOVAL REFLECTIVE
CEILING PLAN

09-08-2022
DATE

RID
ISSUED TO

SHEET SIZE
30"x42"

AR201

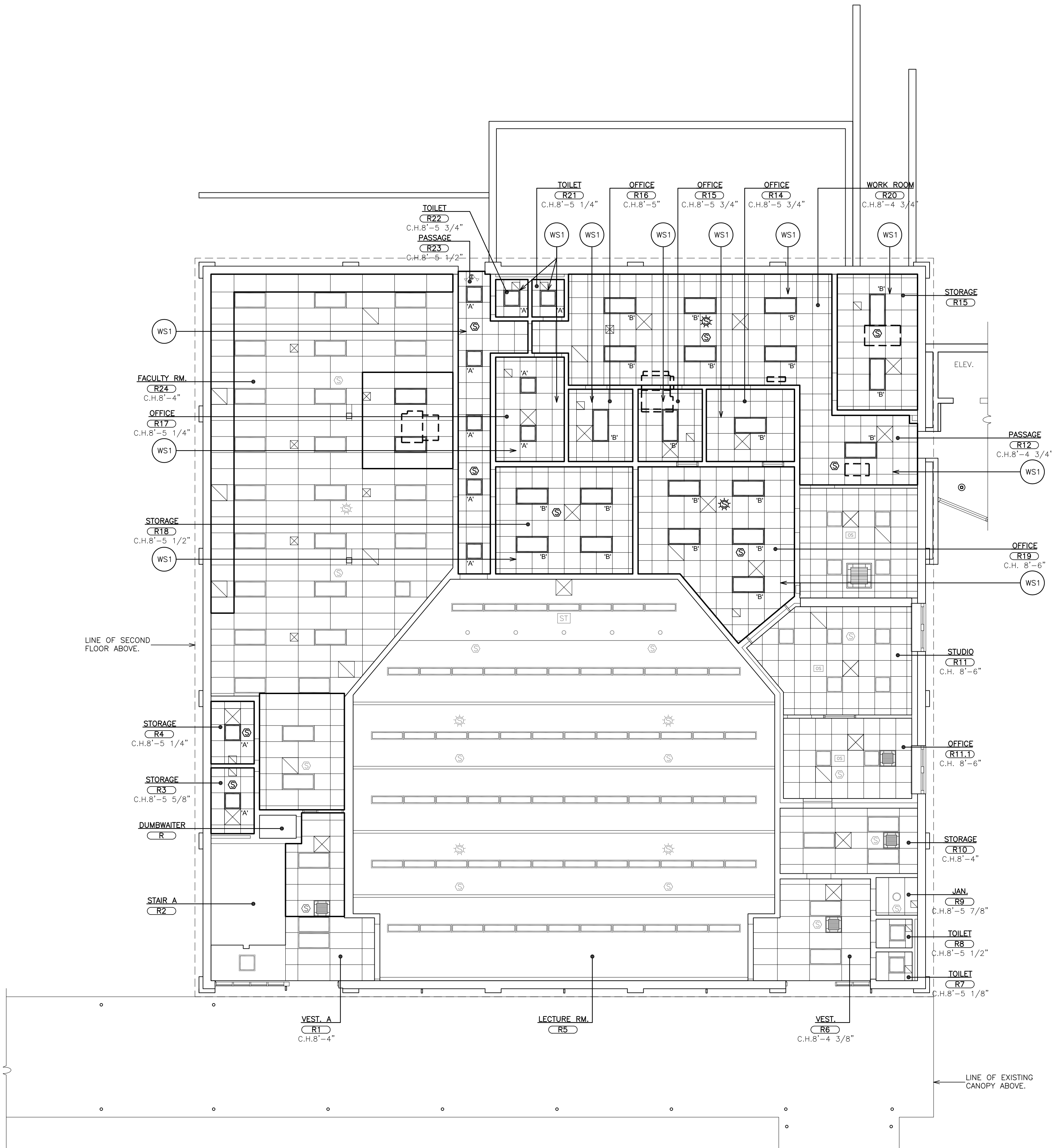
SCALE
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FILE NO.
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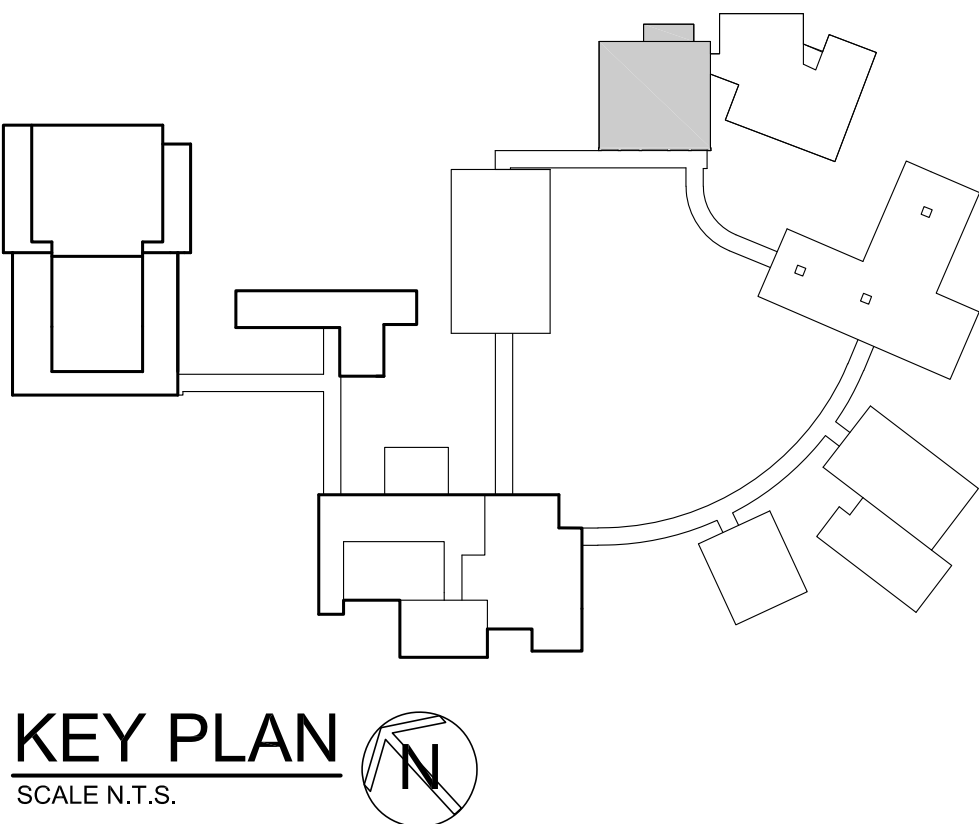
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1 FIRST FLOOR REFLECTIVE CEILING PLAN

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



- WORKSCOPE NOTES:**
- WS1 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS.
 - WS2 5" REINFORCED CONCRETE (4000 PSI) SLAB. W/ EPOXY COATED 4x4 W4.0/W4.0 W.W.F. OVER 4" COMPACTED CRUSHED STONE BASE. SEE DETAIL 8/A112.
 - WS3 24"x24" REINFORCED CONCRETE PIER. MIN. 48" BELOW GRADE. SEE DETAIL 6&7/A112.
 - WS4 24"x24"x8" CONCRETE PIER W/ 4x4 W4.0/W4.0. DOWEL IN (Ø) 1/2"x6" LONG S.S. ROD & SCREEN SET IN EPOXY. (TYPICAL FOR 7).
 - WS5 10"x48" REINFORCED CONCRETE GRADE BEAM BETWEEN PIERS. TYPICAL. SEE DETAIL 5/A112.
 - WS6 PROVIDE PERIMETER SEALANT & BACKER ROD. SEE SPECIFICATIONS FOR ADDITION INFORMATION.
 - WS7 PROVIDE NEW LED EXTERIOR LIGHT FIXTURE BY HE WILLIAMS MODEL WPAL-L48-B-50-BZ-PC-DIM-UNV.
 - WS8 PROVIDE AND INSTALL 4" BRICK VENEER AND BACK-UP CMU. TOOTHED INTO EXISTING ADJACENT MASONRY. BRICK TO MATCH EXISTING GLAZED BRICK.

CEILING LEGEND

- 2'x2' RECESSED MOUNTED LIGHT FIXTURE
- GYPSUM BOARD OR SOFFIT
- FIRE ALARM SMOKE DETECTOR
- CEILING SPEAKER
- CEILING REGISTER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING DIFFUSER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- 2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM
- CEILING GRID STARTING POINT

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S.E.D. CONTROL NUMBER
65-04-06-03-0-010-007

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HIGH SCHOOL RESOURCE BUILDING
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300 WHITE OAK LANE, SCARSDALE, NY 10583
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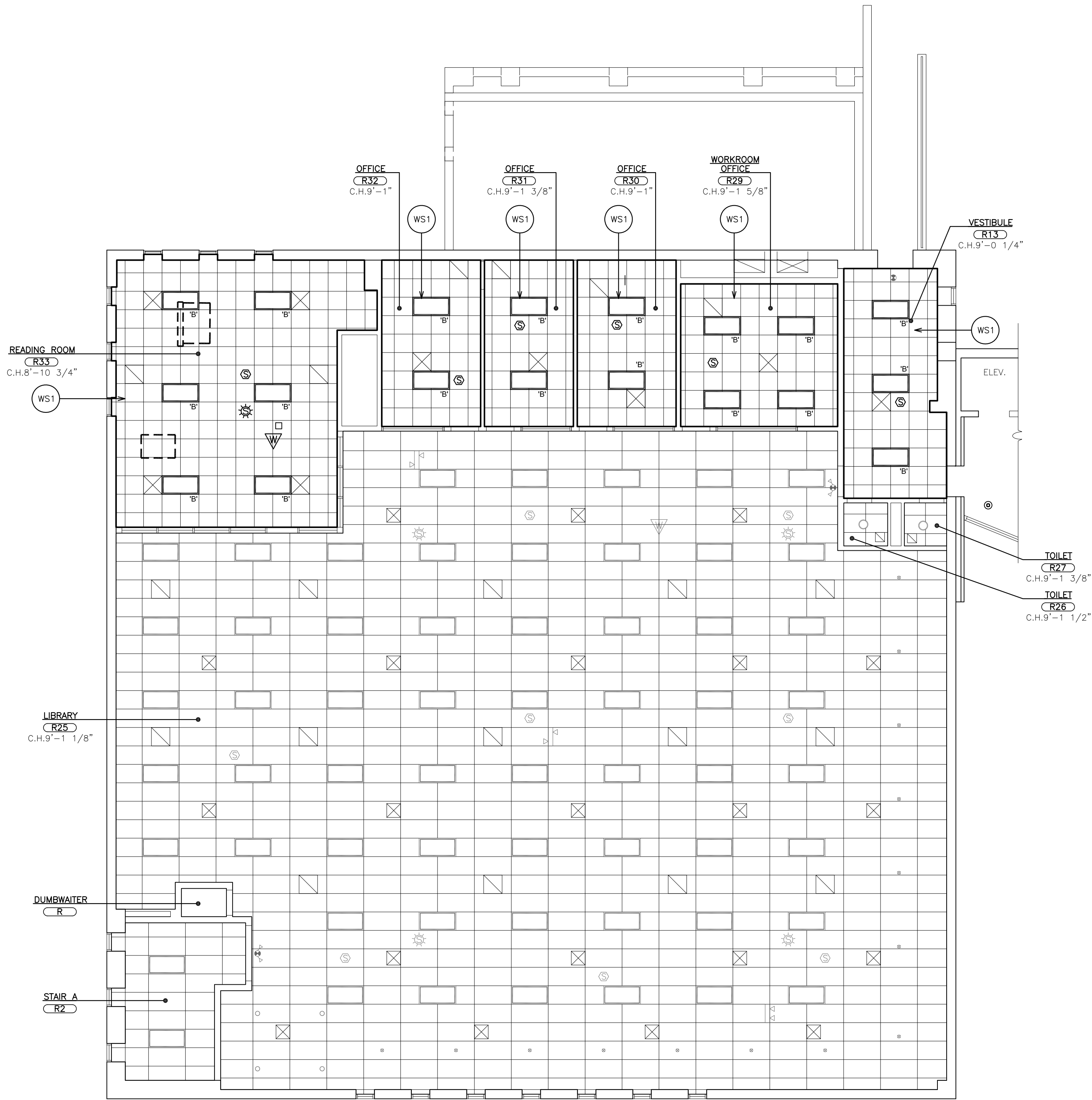
SHEET SIZE
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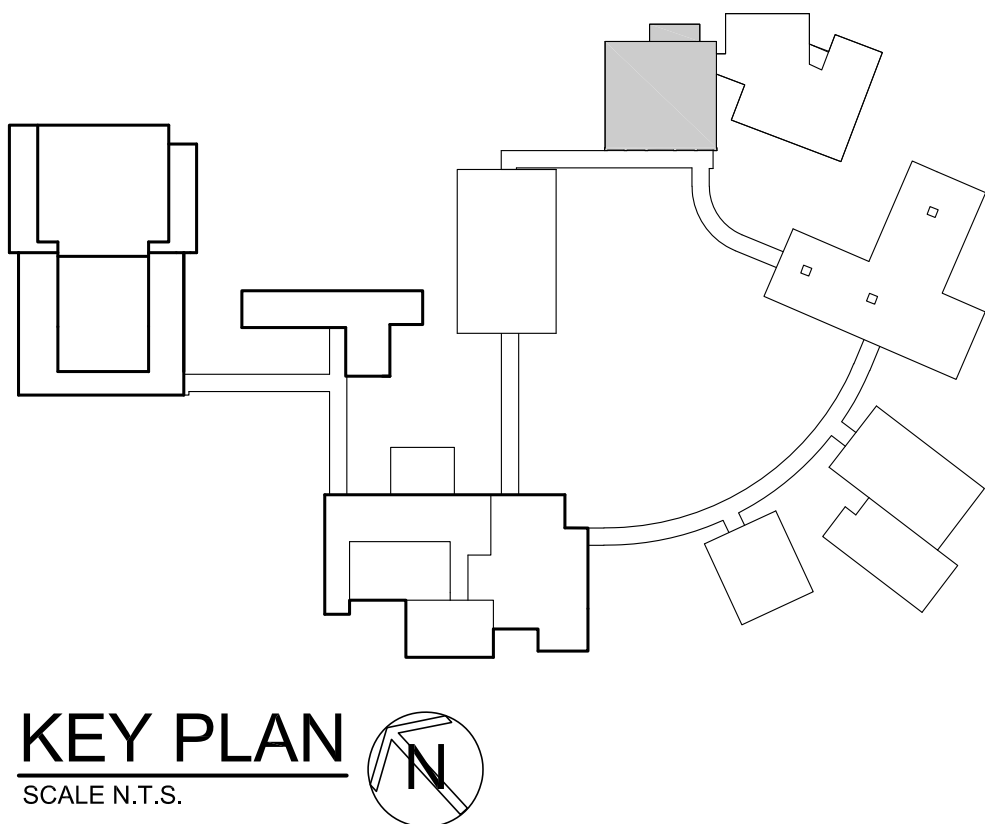
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1 SECOND FLOOR REFLECTIVE CEILING PLAN

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



CEILING LEGEND

- 2'x2' RECESSED MOUNTED LIGHT FIXTURE
- GYPSUM BOARD OR SOFFIT
- FIRE ALARM SMOKE DETECTOR
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- CEILING REGISTER, SIZE VARIES. SEE MECHANICAL DRAWINGS.
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WORKSCOPE NOTES:

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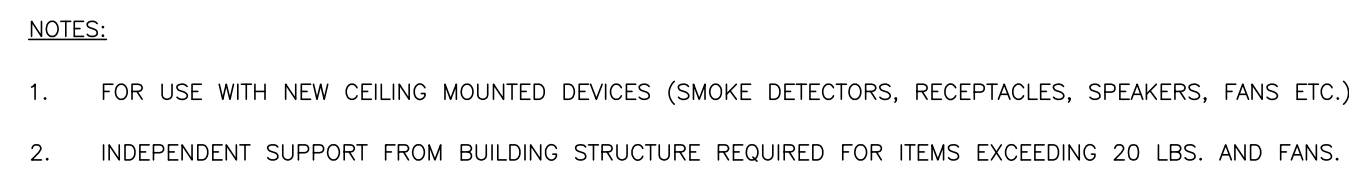
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300 WHITE OAK LANE, SCARSDALE, NY 10583
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FILE NO.
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LEGEND	
[M], [MD]	MOTORIZED DAMPER
ARCH	ARCHITECT
BAS	BUILDING AUTOMATION SYSTEM
ATC	AUTOMATIC TEMPERATURE CONTROL
FCU	FAN COIL UNIT
LD	LINEAR DIFFUSER
CFM	CUBIC FEET PER MINUTE, AIR
R/A	RETURN AIR
S/A	SUPPLY AIR
OA	OUTSIDE AIR
EXH	EXHAUST
EG	EXHAUST GRILLE
(E)	EXISTING
(N)	NEW
(CD)	CEILING DIFFUSER
TYP.	TYPICAL
WMS	WIRE MESH SCREEN
Ø	DIAMETER OF ROUND DUCT
RTU	ROOF-TOP UNIT
ERV	ENERGY RECOVERY VENTILATOR
HWC	HOT WATER COIL
MANU.	MANUFACTURER
TEMP	TEMPERATURE
MCA	MINIMUM CIRCUIT AMPACITY
RFS	RECOMMENDED FUSE SIZE
FLA	FULL LOAD AMPERES
MOCP	MAXIMUM OVERCURRENT PROTECTION
QTY	QUANTITY
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
EAT	ENTERING AIR TEMPERATURE
LAT	LEAVING AIR TEMPERATURE
[Hatched Box]	DEMOLISH HIGHLIGHTED DUCTWORK AND EQUIPMENT
FD	FIRE DAMPER
HP	HEAT PUMP
[Thermostat Symbol]	THERMOSTAT
[SD Symbol]	DUCT SMOKE DETECTOR
[CO2 Symbol]	CARBON DIOXIDE SENSOR
#X#	DUCT DIMENSIONS (CLEAN INSIDE DIM.)
RAG	RETURN AIR GRILLE
-----	NEW CONDENSATE PIPING
-----	NEW REFRIGERANT PIPING
[Valve Symbol]	VOLUME DAMPER ACROSS DUCTWORK
[Circle with Dot]	POINT OF CONNECTION, NEW WORK TO EXISTING
[Section Line Symbol]	SECTION LINE



PROJECT DESCRIPTION

1. THE INTENT OF THIS PROJECT IS TO UPGRADE EXISTING HVAC SYSTEMS IN THE BUILDING. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING WORK:

- RIGGING OF NEW EQUIPMENT AT REAR OF BUILDING.
- NEW STRUCTURAL STEEL DUNNAGE (REFER TO STRUCTURAL PLANS)
- NEW GALVANIZED SHEET METAL DUCTWORK WHERE INDICATED
- NEW DUCT MOUNTED HOT WATER COILS WHERE INDICATED
- AIR AND WATER TESTING AND BALANCING
- NEW ELECTRIC HOT WATER CONTROL VALVES
- NEW DDC CONTROLS FOR ALL EQUIPMENT. VRF EQUIPMENT SHALL BE EQUIPPED WITH FACTORY CONTROLS AND BACnet INTERFACE SUCH THAT ALL POINTS AND ALARMS WILL PASS THRU TO EXISTING BAS.
- EQUIPMENT STARTUP AND TESTING BY FACTORY AUTHORIZED REPRESENTATIVES.
- CLOSEOUT PACKAGE INCLUDING CUT SHEETS, AS BUILT DRAWINGS AND WARRANTY INFORMATION.
- OWNER TRAINING ON NEW EQUIPMENT AND CONTROLS.

2. IN ADDITION TO EQUIPMENT SUBMITTALS CONTRACTOR SHALL ISSUE A 3/8" SCALE PIPING SHOP DRAWING TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK.

3. CONTRACTOR SHALL NOTE THAT EXISTING BAS HARDWARE IS MANUFACTURED BY ANDOVER. CONTRACTOR SHALL ENGAGE EXISTING BUILDING ATC CONTRACTOR TO INTEGRATE NEW EQUIPMENT IN EXISTING USER INTERFACE AND CARRY COST FOR THIS WORK IN BASE BID.

ATC INTEGRATOR:

AUTOMATED CONTROL LOGIC INC.
578 COMMERCE ST.
THORNWOOD, NY
914-769-8880

ALL POINTS AND ALARMS AVAILABLE FROM NEW EQUIPMENT SHALL PASS THRU TO BUILDING DDC SYSTEM. SYSTEM INTEGRATOR SHALL DO ALL PROGRAMMING, BUILDING GRAPHICS FOR NEW EQUIPMENT AND UPDATE THERMAL FLOOR PLANS FOR NEW TEMPERATURE ZONES.

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING COMPATIBILITY OF ALL NEW MECHANICAL EQUIPMENT WITH EXISTING BAS PROTOCOL AND HARDWARE.

4. CONTRACTOR SHALL ENGAGE A LICENSED DUCT CLEANING CONTRACTOR TO PROFESSIONALLY CLEAN ALL EXISTING SUPPLY AND RETURN AIR DUCTWORK IN THE BUILDING. PROVIDE ALL NECESSARY ACCESS POINTS INTO THE DUCT SYSTEM TO SUPPORT THIS WORK. UPON COMPLETION OF THE WORK, PROVIDE A LETTER TO THE OWNER AND INCLUDE ALL ACCESS DOORS IN AS-BUILT DRAWINGS.

REFER TO DUCT CLEANING SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PROJECT NOTES:

1. ALL BIDDERS SHALL VISIT PROJECT SITE TO THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. CLAIMS FOR EXTRA PAYMENTS FOR WORK, WHICH COULD HAVE BEEN IDENTIFIED VIA CAREFUL SITE INSPECTION, WILL NOT BE ACKNOWLEDGED.

2. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL PREPARE EQUIPMENT SUBMITTALS PER SPECIFICATION AND SUBMIT TO DESIGN ENGINEER FOR REVIEW/APPROVAL.

3. UPON COMPLETION OF WORK, CONTRACTOR SHALL SUBMIT AS-BUILTS DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS.

4. PRIOR TO CLOSEOUT, CONTRACTOR SHALL SUBMIT OPERATION AND MAINTENANCE MANUAL TO ENGINEER FOR APPROVAL. FOLLOWING APPROVAL, CONTRACTOR SHALL DELIVER (1) HARD COPY AND (1) DIGITAL COPY ON THUMB DRIVE TO OWNER.

5. CONTRACTOR SHALL FURNISH AND INSTALL NEW LOW-VOLTAGE WIRING TO NEW TEMPERATURE SENSOR IN LIBRARY AND LECTURE HALL. NEW HOT WATER CONTROL VALVES IN LIBRARY SHALL BE SLAVED TOGETHER TO RESPOND TO SINGLE THERMOSTAT. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.

6. CONTRACTOR SHALL FURNISH (2) NEW CARBON DIOXIDE SENSORS, (1) IN LIBRARY AND (1) IN LECTURE HALL, TO ACCOMPLISH DEMAND CONTROL VENTILATION. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.

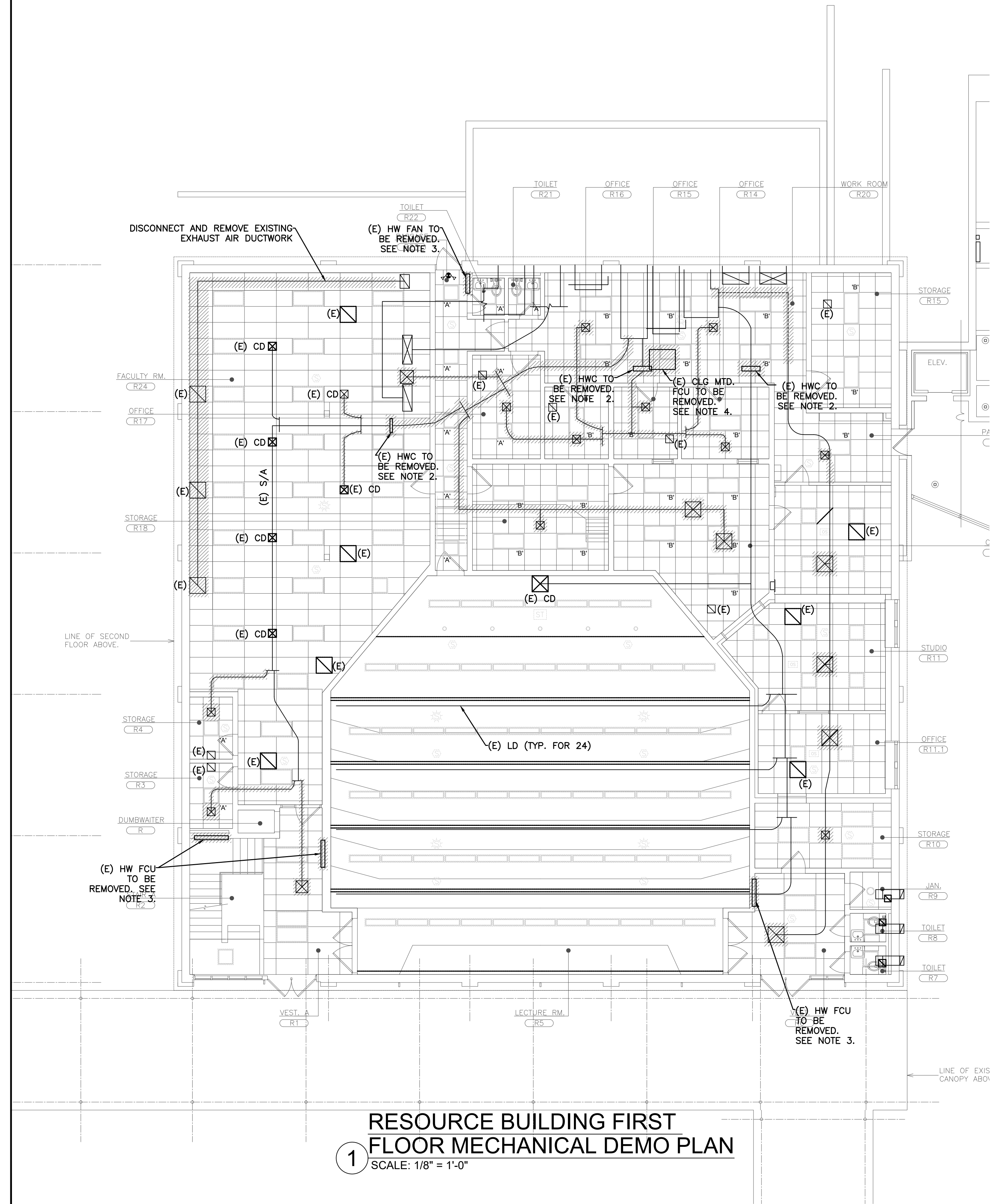
7. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL HYDRO JET EXISTING (2) AREA DRAINS AT REAR OF BUILDING. PERFORM A CAMERA INSPECTION OF ENTIRE LATERAL FROM POINT-OF-EXIT TO SEWER CONNECTION - USE 75FT FOR ESTIMATING PURPOSES. CONTRACTOR SHALL FURNISH VIDEO AND SUMMARY REPORT TO OWNER AND DESIGN ENGINEER FOR REVIEW.

ALTERNATE #1:

CONTRACTOR SHALL STATE THE AMOUNT TO BE ADDED TO THE BASE BID TO PROVIDE, FURNISH, AND INSTALL ALL LABOR, EQUIPMENT, AND MATERIAL REQUIRED TO FURNISH AND INSTALL "ALTERNATE" RTU-1 AND RTU-2 (WITHOUT ENERGY RECOVERY WHEELS) AS SPECIFIED IN SCHEDULE, IN PLACE OF BASIS-OF-DESIGN UNITS IN ACCORDANCE WITH SECTION 004100 AND SHOWN ON THE CONTRACT DRAWINGS. INCLUDE PROVISIONS FOR LARGER ELECTRICAL FEEDERS AND DISCONNECT SWITCHES. PROVIDE APPROXIMATE DELIVER DATE PRIOR TO AWARD OF THIS ALTERNATE.

PLOT DATE: September 06, 2022 - 12:45pm

FILE: N:\Edgemont School District\Edgemont Jr-Sr High\Resource Bldg HVAC\ACAD\Mechanical\EDGE RESOURCE_Mech.dwg



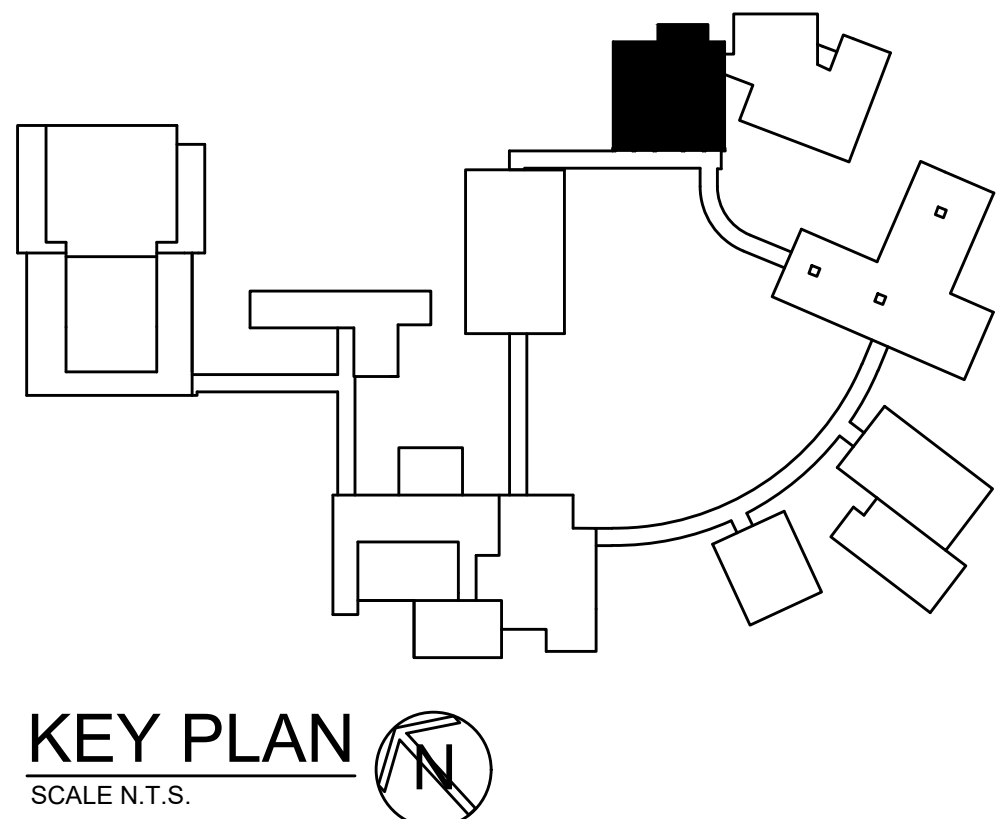
- NOTES:
1. REFER TO WRITTEN (BOOK) SPECS FOR ADDITIONAL INFO
 2. DISCONNECT AND REMOVE EXISTING HW COILS, CONTROL VALVES, AND PNEUMATIC TUBING. CUT AND CAP PIPING BACK TO LOCATION SUITABLE FOR CONNECTION OF NEW COIL.
 3. DISCONNECT AND REMOVE EXISTING HW FAN COIL UNIT PIPING AND CONTROLS RECESSED IN WALL. CUT PIPING BACK AND CAP AT MAINS. COORDINATE WITH G.C. TO PATCH WALL.
 4. DISCONNECT AND REMOVE EXISTING HW FAN COIL UNIT PIPING AND CONTROLS MOUNTED IN CEILING. CUT PIPING BACK AND CAP AT MAINS. COORDINATE WITH G.C. TO PATCH WALL.
 5. SEE ARCHITECTURAL DRAWINGS FOR CEILING REMOVALS.

1 RESOURCE BUILDING FIRST FLOOR MECHANICAL DEMO PLAN
SCALE: 1/8" = 1'-0"



2 RESOURCE BUILDING SECOND FLOOR MECHANICAL DEMO PLAN
SCALE: 1/8" = 1'-0"

- NOTES:
1. REFER TO WRITTEN (BOOK) SPECS FOR ADDITIONAL INFO
 2. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING COIL CONTROL VALVE AND PNEUMATIC TUBING. CUT AND CAP PIPING BACK TO LOCATION SUITABLE FOR CONNECTION OF NEW COIL.
 3. SEE ARCHITECTURAL DRAWINGS FOR CEILING REMOVALS.
 4. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING EQUIPMENT, SUPPORTS, AND ALL EXTERIOR DUCTWORK. COORDINATE WITH ELECTRICIAN TO DEMO ELECTRICAL POWER. DUCTWORK SHALL BE CUT AND CAPPED BACK TO SUITABLE LOCATION FOR REUSE.



KEY PLAN
SCALE N.T.S.

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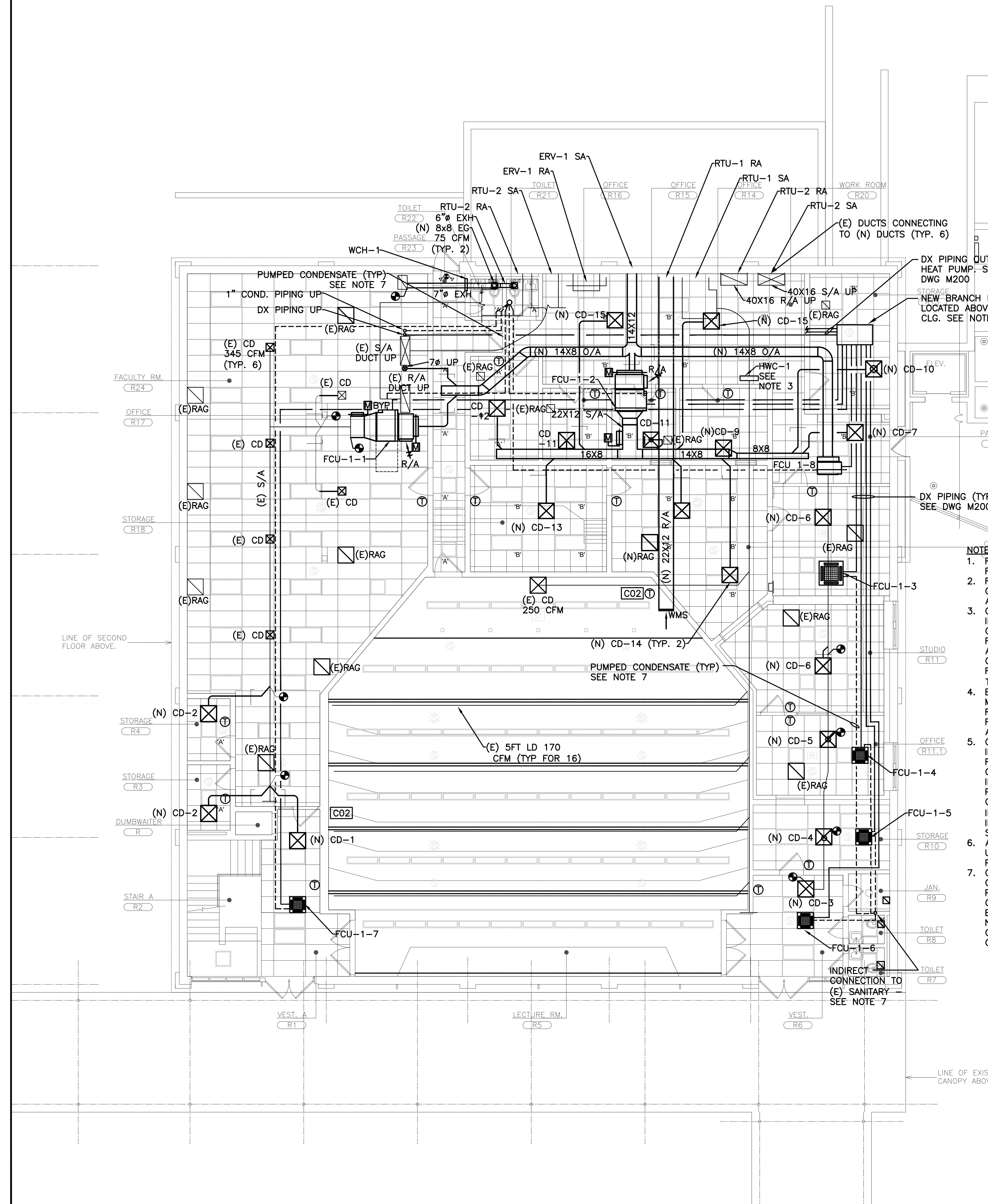
S.E.D. CONTROL NUMBER
65-04-06-03-0-10-007

PROJECT: EDELMONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SUITE 100
MECHANICAL DEMOLITION PLAN

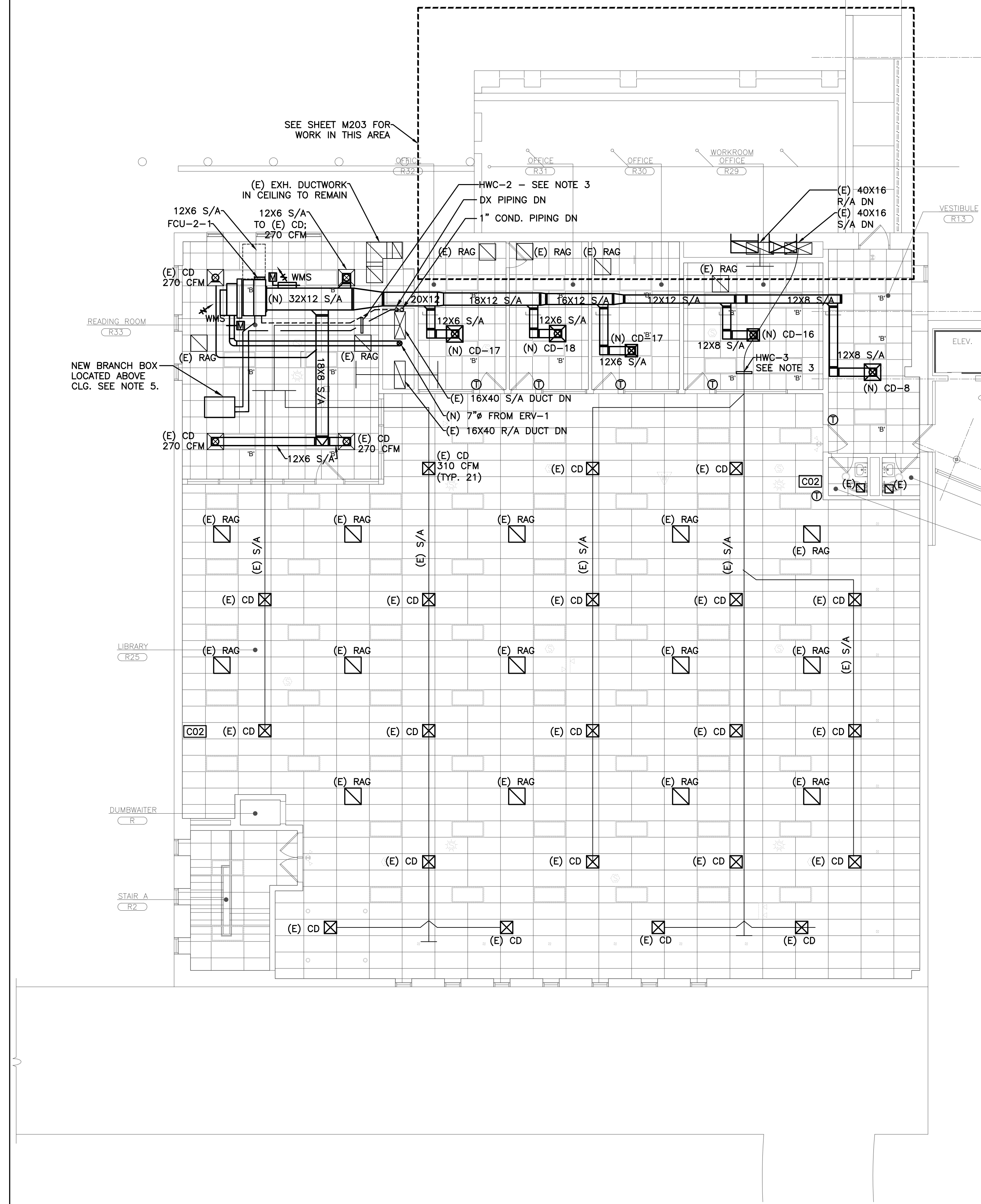
09-08-2022
DATE
ISSUED TO
BID
SHEET SIZE
30"x42"
SCALE
AS NOTED
DRAWN BY
LFG
DRAWING NO.
M100
FILE NO.
21439.00

PLOT DATE: September 06, 2022 - 12:45pm

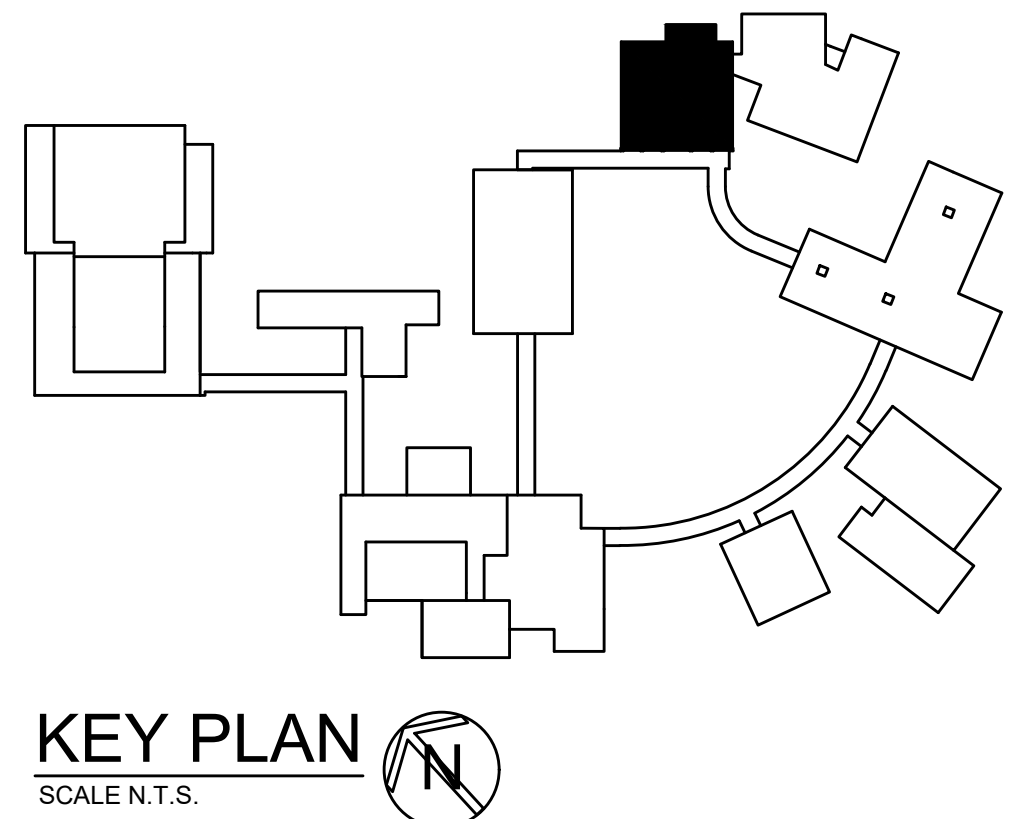
FILE: N:\Edgemont School District\Edgemont Jr-Sr High\Resource Bldg HVAC\ACAD\Mechanical\EDGE RESOURCE_Mech.dwg



RESOURCE BUILDING FIRST FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"



RESOURCE BUILDING SECOND FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE N.T.S.

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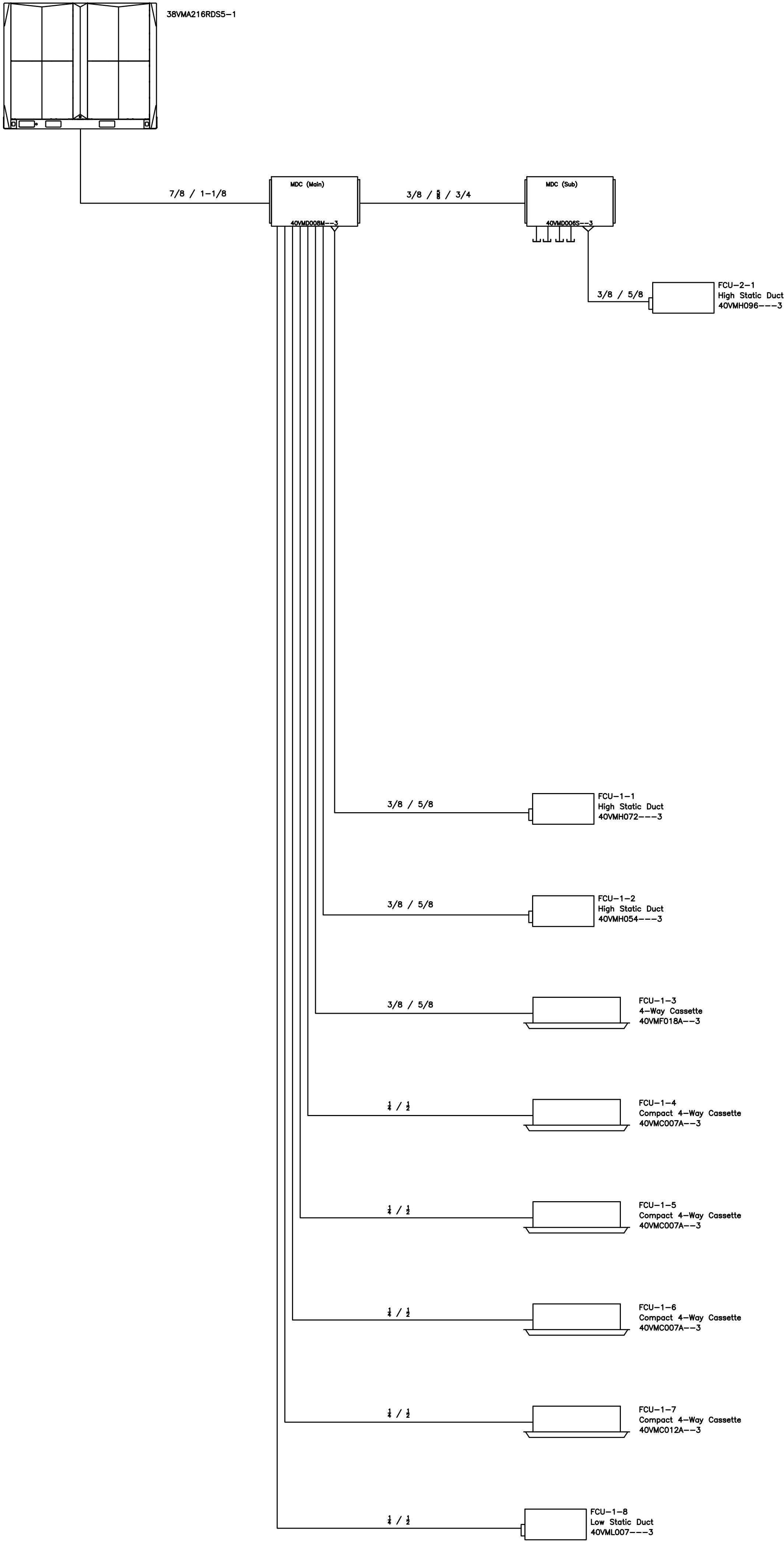
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S.E.C. CONTROL NUMBER
66-04-06-03-0-010-007

PROJECT: 111
EDGEMONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583

DRAWING TITLE
MECHANICAL PLANS

DATE: 09-08-2022
ISSUED TO: BID
SHEET SIZE: 30"x42"
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO: 21439.00



RESOURCE BUILDING
VRF PIPING PLAN
SCALE: N.T.S.

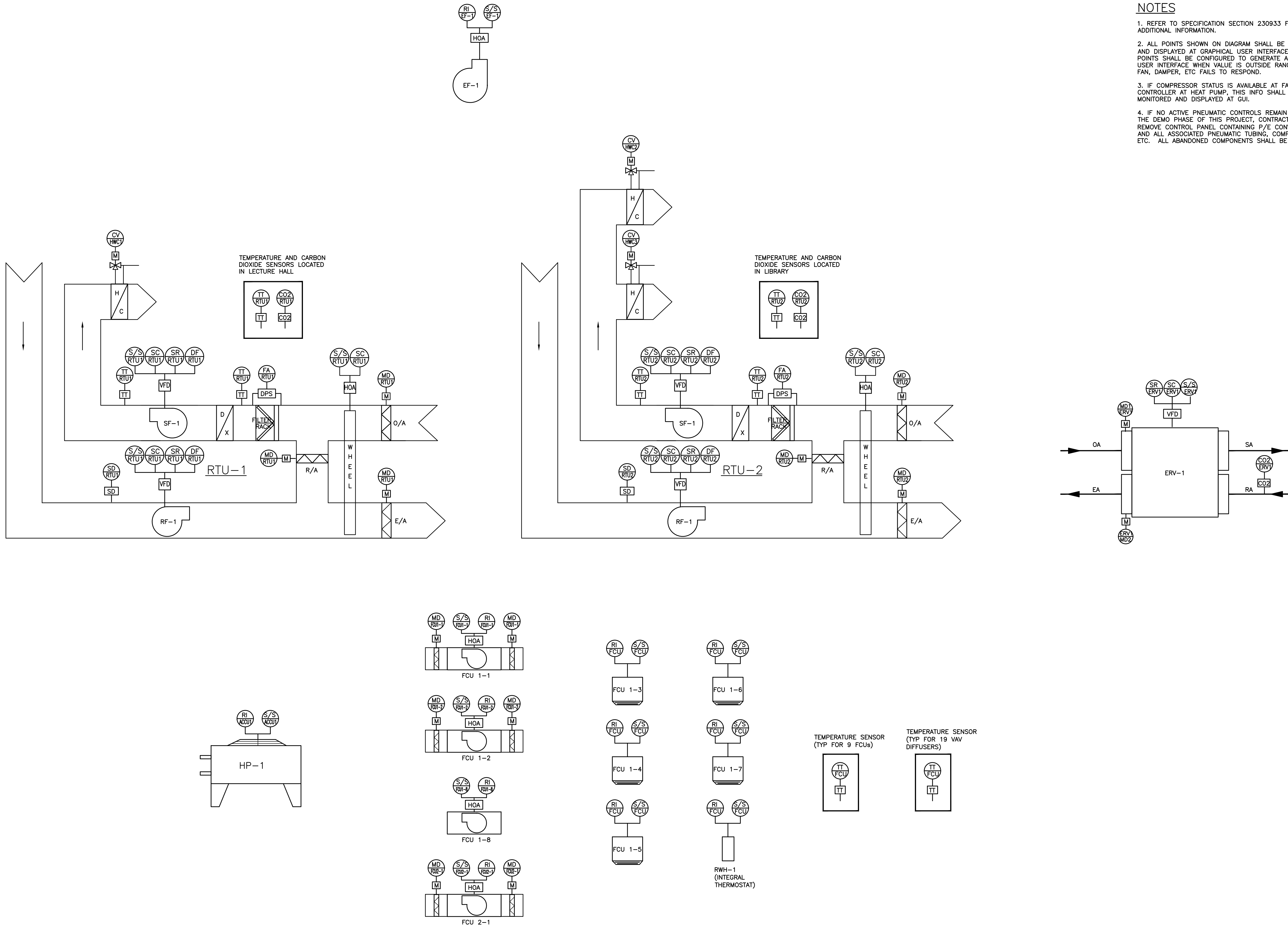
PLOT DATE: September 06, 2022 - 12:45pm

FILE: N:\Edgemont School District\Edgemont Jr-Sr High\Resource Bldg HVAC\ACAD\Mechanical\EDGE RESOURCE_Mech.dwg

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LFG LANDMARK FACILITIES GROUP, INC. 252 East Avenue New Rochelle, NY 10801 (203) 866-0200 (203) 866-0019 Fax	
PROJECT: EDGEMONT SCHOOL DISTRICT RESOURCE BUILDING HVAC REPLACEMENT AND RELATED WORK 300 WHITE OAK LANE, SCARSDALE, NY 10583	
DRAWING TITLE MECHANICAL PIPING DIAGRAM	
DATE: 09-08-2022	
ISSUED TO: BID	
SHEET SIZE: 30"x42"	
DRAWING NO. M200	
SCALE: AS NOTED	
DRAWN BY: LFG	
FILE NO. 21439.00	

PLOT DATE: September 06, 2022 -- 12:45pm

FILE: N:\Edgemont School District\Edgemont Jr-Sr High\Resource Bldg HVAC\ACAD\Mechanical\EDGE RESOURCE_Mech.dwg



CONTROL SYSTEM DIAGRAM
NOT TO SCALE

NOTES

1. REFER TO SPECIFICATION SECTION 230933 FOR ADDITIONAL INFORMATION.
2. ALL POINTS SHOWN ON DIAGRAM SHALL BE MONITORED AND DISPLAYED AT GRAPHICAL USER INTERFACE (GUI). ALL POINTS SHALL BE CONFIGURED TO GENERATE ALARM AT USER INTERFACE WHEN VALUE IS OUTSIDE RANGE OR IF FAN, DAMPER, ETC FAILS TO RESPOND.
3. IF COMPRESSOR STATUS IS AVAILABLE AT FACTORY CONTROLLER AT HEAT PUMP, THIS INFO SHALL BE MONITORED AND DISPLAYED AT GUI.
4. IF NO ACTIVE PNEUMATIC CONTROLS REMAIN FOLLOWING THE DEMO PHASE OF THIS PROJECT, CONTRACTOR SHALL REMOVE CONTROL PANEL CONTAINING P/E CONVERTOR(S) AND ALL ASSOCIATED PNEUMATIC TUBING, COMPRESSORS, ETC. ALL ABANDONED COMPONENTS SHALL BE REMOVED.

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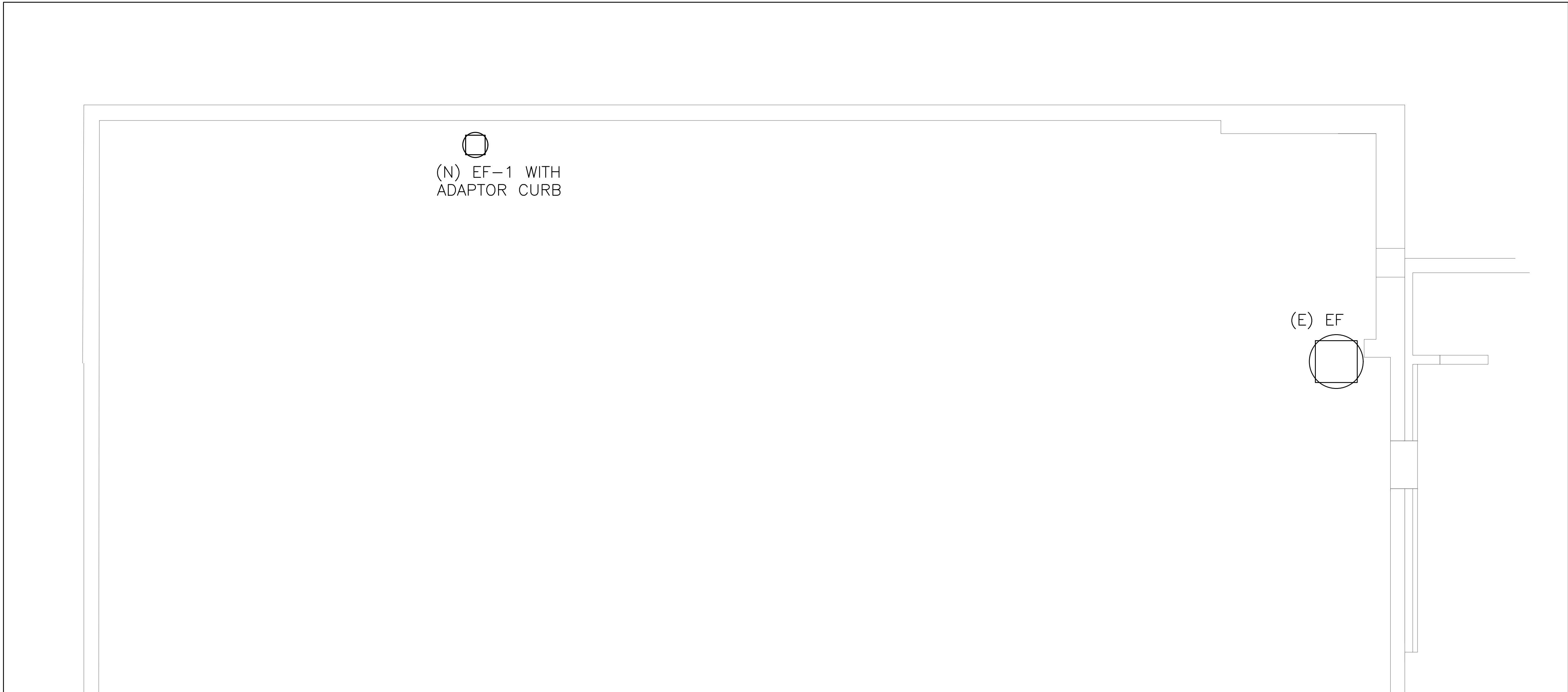
PROJECT: EDEGMONT SCHOOL DISTRICT
RESOURCE BUILDING
HVAC REPLACEMENT AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583
DRAWING TITLE:
MECHANICAL CONTROLS DIAGRAM

DATE	09-08-2022	BID
SHEET SIZE	30"x42"	DRAWING NO.
SCALE	AS NOTED	M201
DRAWN BY	LFG	FILE NO.
		21439.00

PLOT DATE: September 06, 2022 - 12:45pm

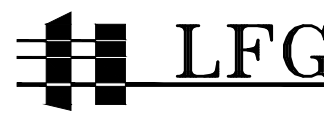


1 RESOURCE BUILDING
ROOF DEMO PART PLAN
SCALE: 1/4" = 1'-0"



2 RESOURCE BUILDING
ROOF PART PLAN
SCALE: 1/4" = 1'-0"

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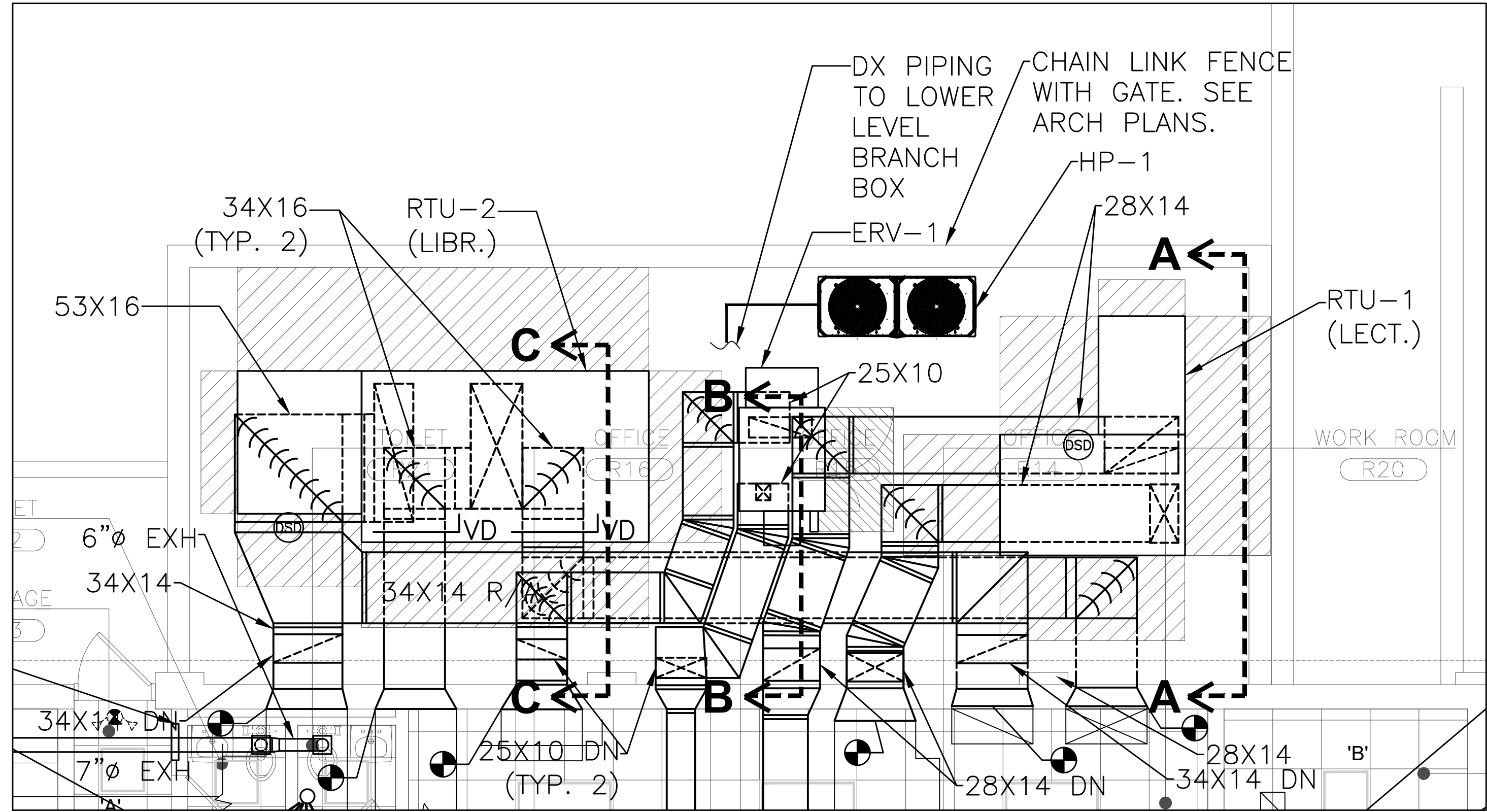
PROJECT: 101
EDGEMONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583

DRAWING TITLE
MECHANICAL ROOF PLANS

DATE	09-08-2022
ISSUED TO	BID

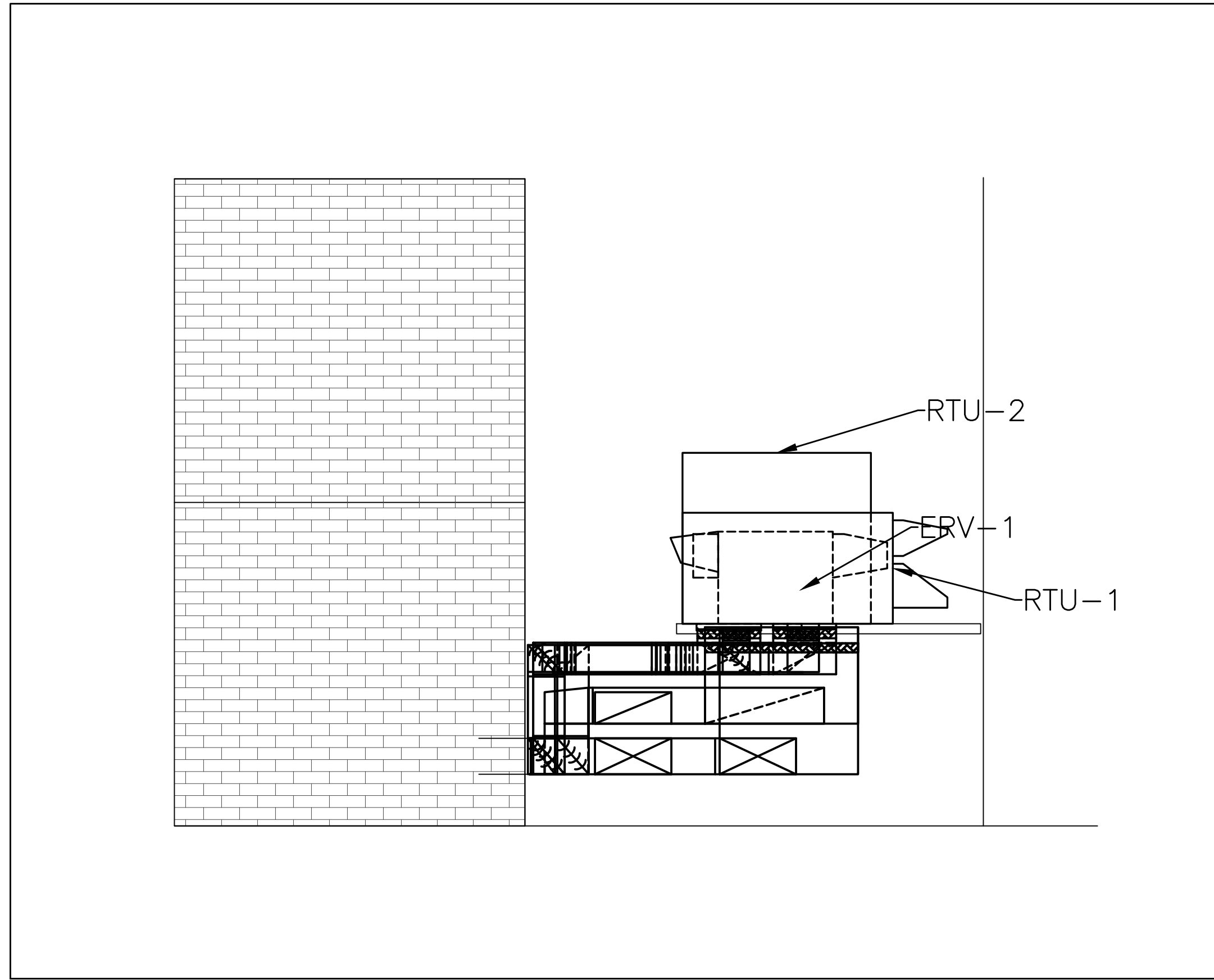
SHEET SIZE 30"x42"	DRAWING NO. M202
SCALE AS NOTED	FILE NO. 21439.00

S.E.D. CONTROL NUMBER
66-04-06-03-0-010-007

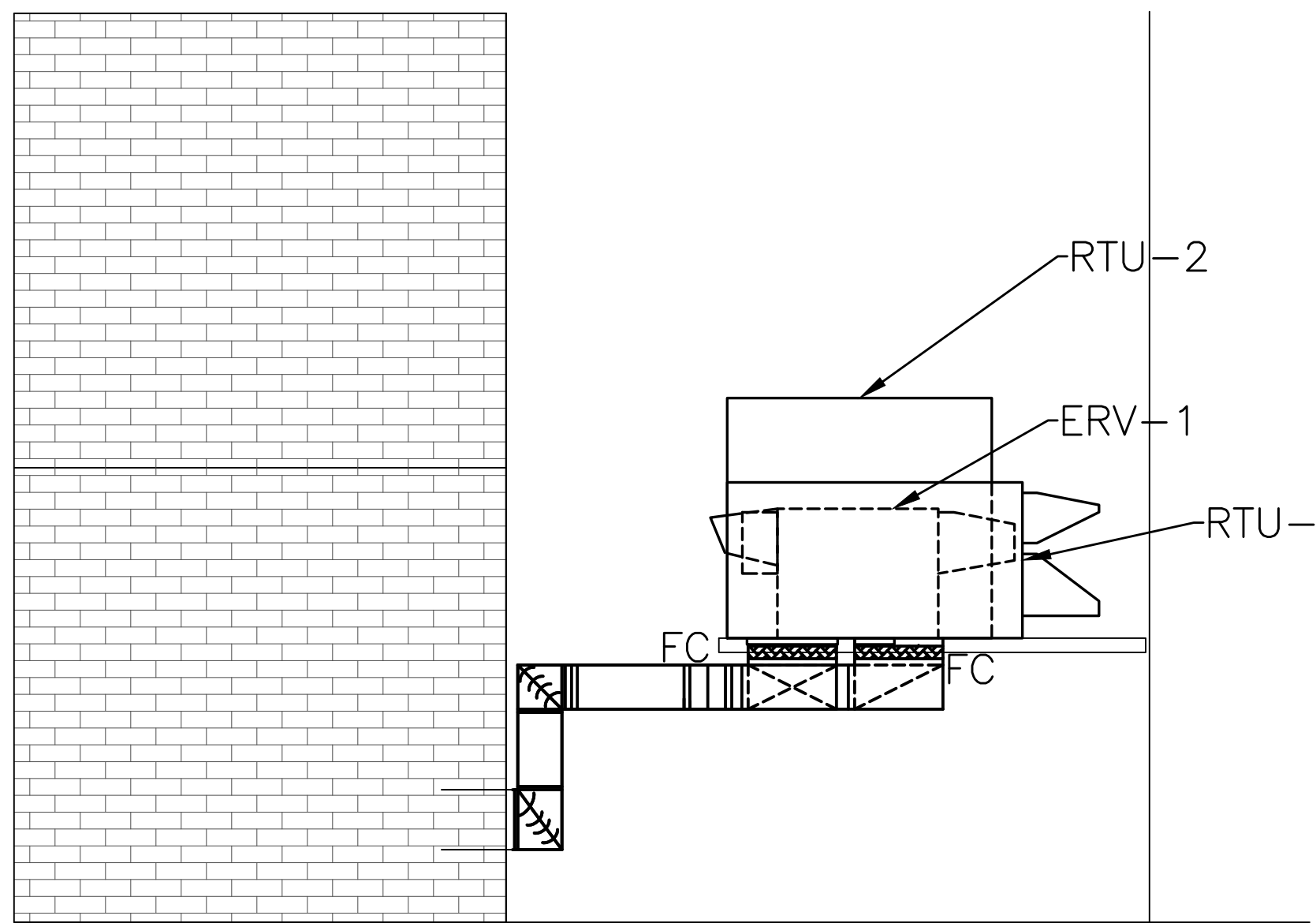
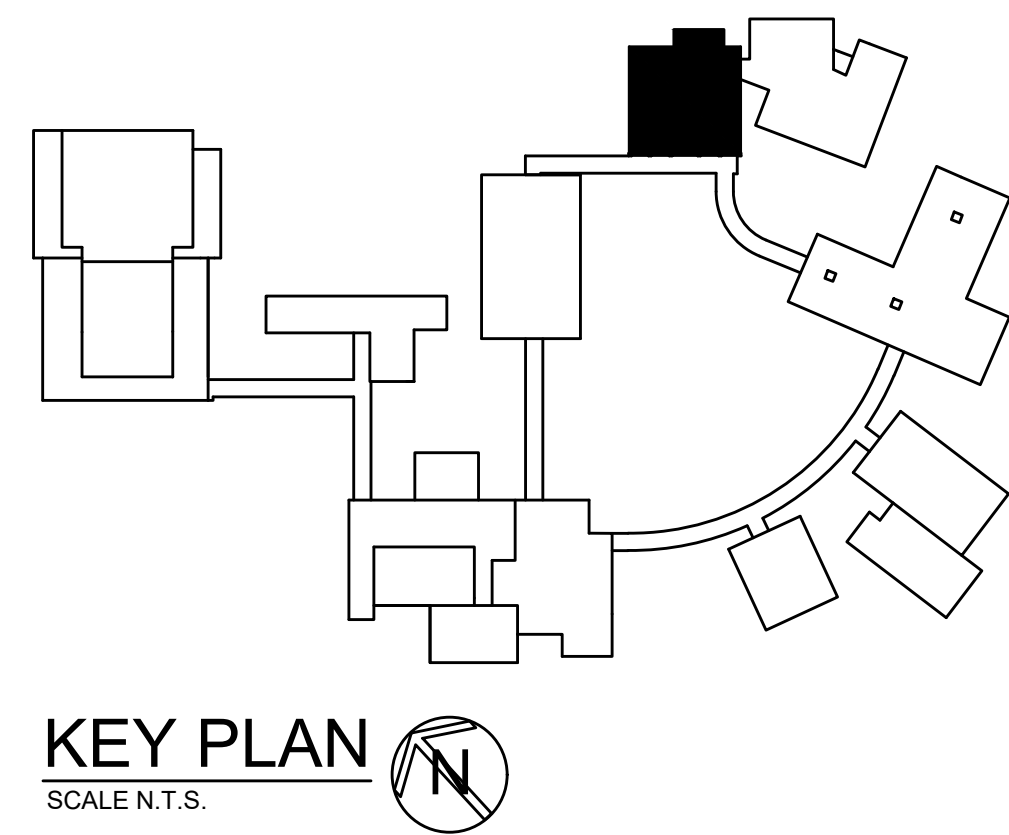


- NOTES:
1. UNITS SHALL BE SET ON NEW STEEL DUNNAGE WITH SERVICE PLATFORM. REFER TO ARCH PLANS FOR MORE INFORMATION.
 2. COORDINATE WITH G.C. TO INFILL EXISTING OPENINGS THRU EXTERIOR WALL FOR NEW SMALLER DUCTS. FIRESTOP AND AIR SEAL AROUND DUCTWORK.
 3. EXTERIOR DUCTWORK SHALL BE COVERED WITH 2" THICK RIGID BOARD INSULATION AND A SELF-STICK WEATHERPROOFING MEMBRANE. SEE DETAILS 7/8 A500.

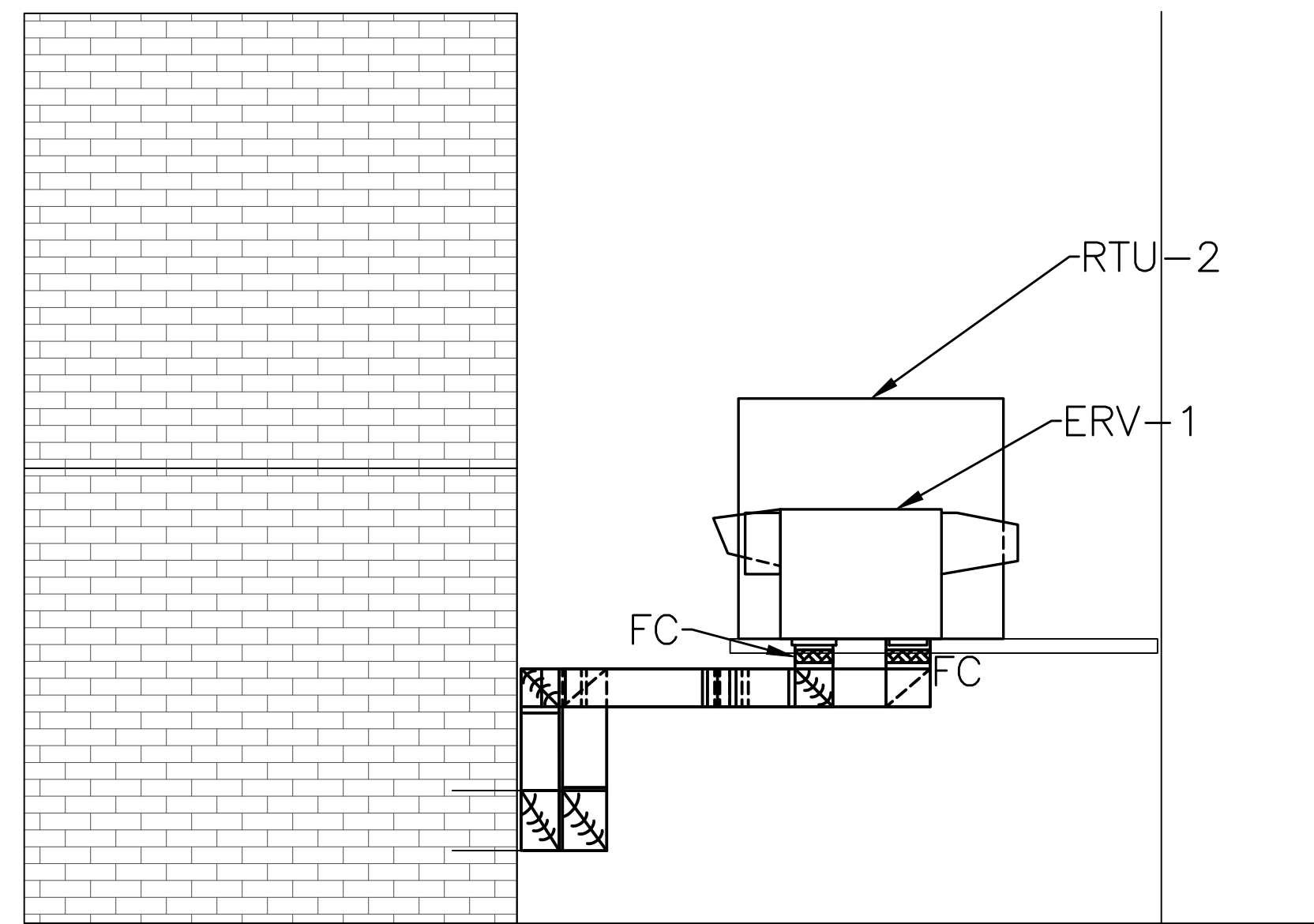
**RESOURCE BUILDING
EXTERIOR PART PLAN**
1 SCALE: 1/4" = 1'-0"



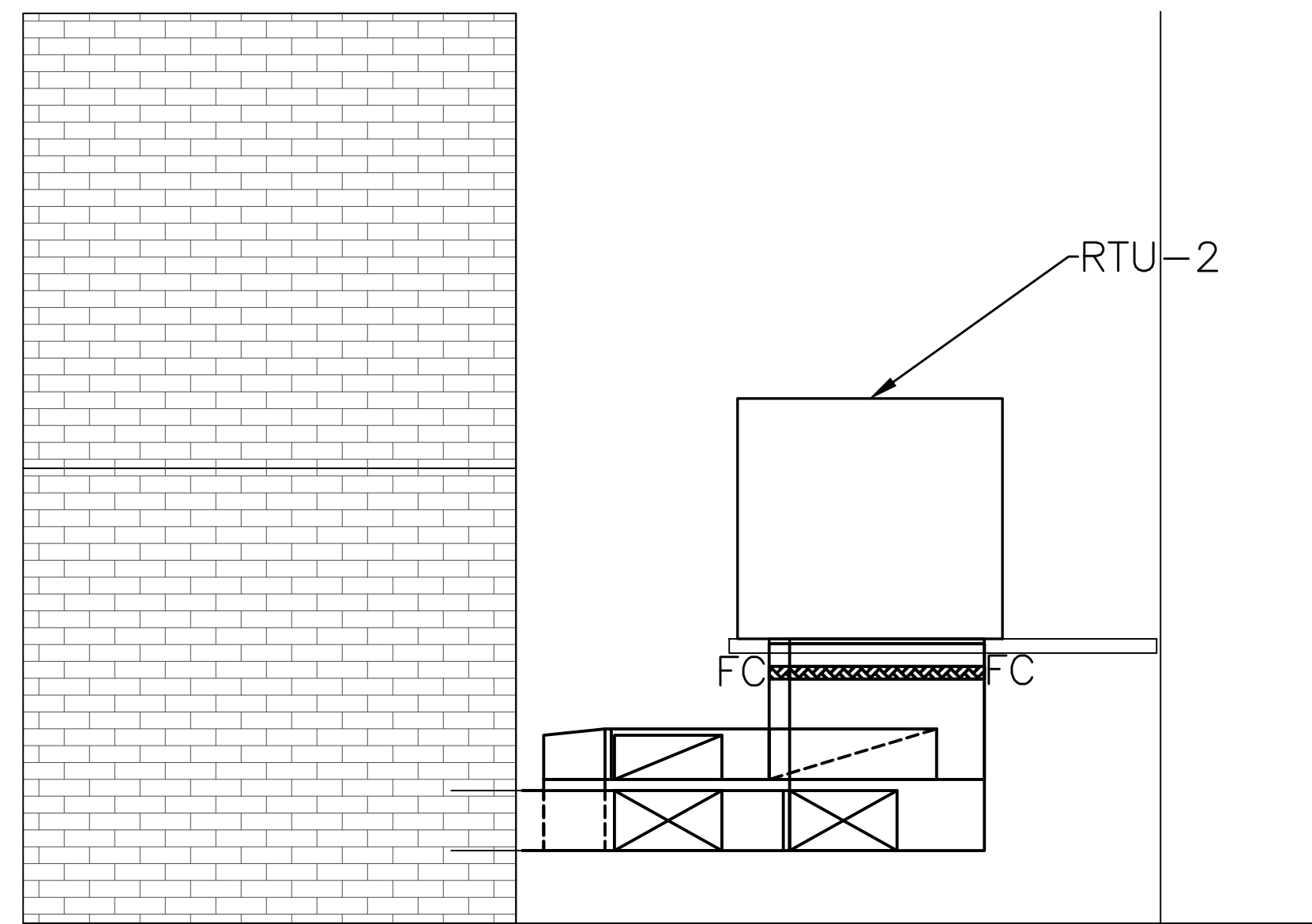
**RESOURCE BUILDING
FULL DUCTWORK SECTION**
2 SCALE: 1/4" = 1'-0"



SECTION A-A

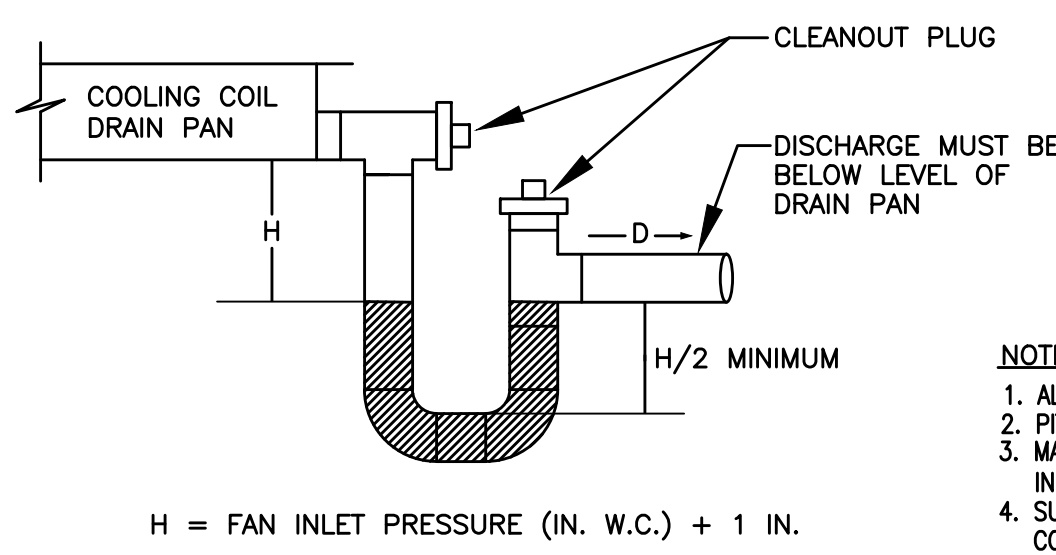


SECTION B-B



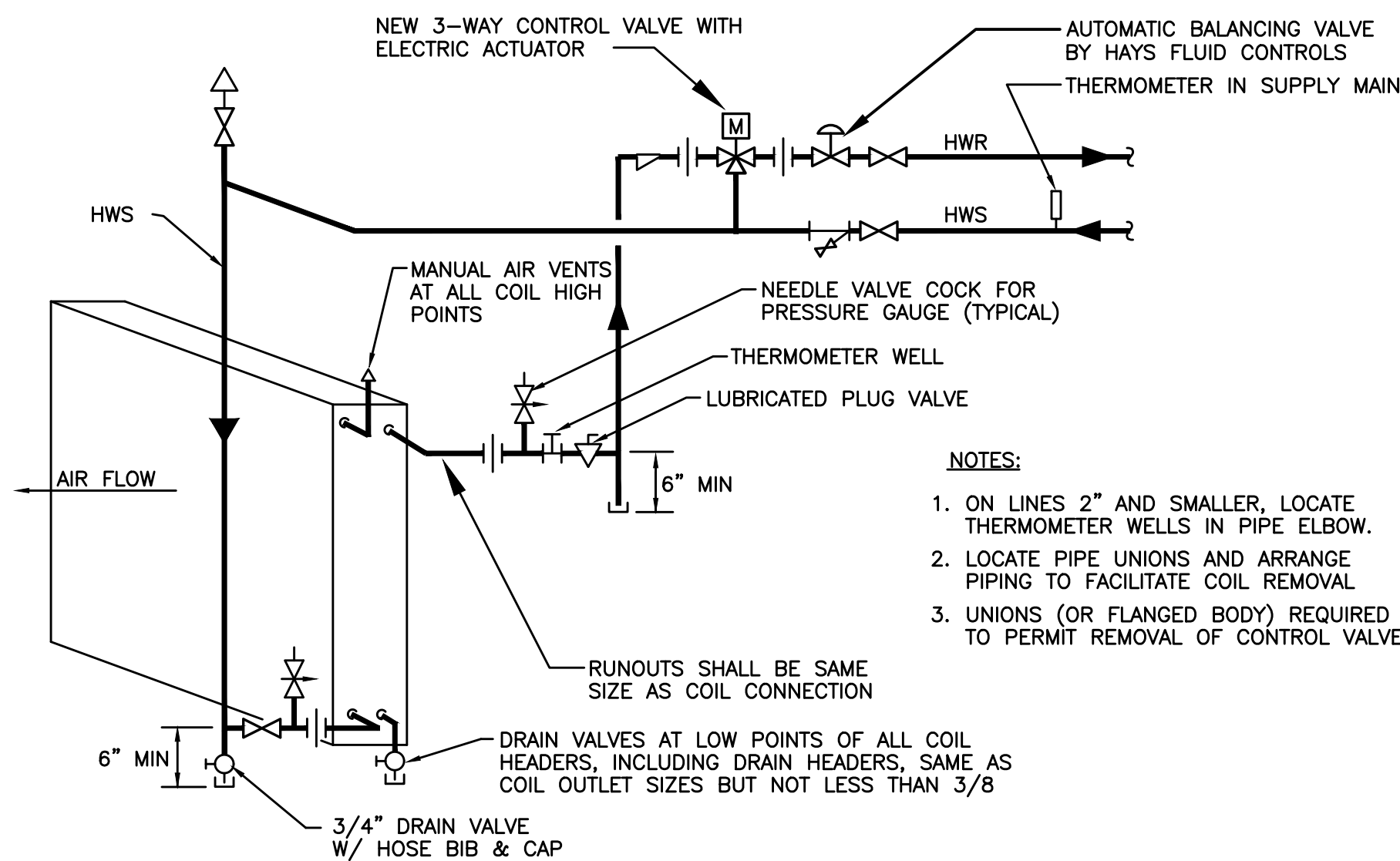
SECTION C-C

**RESOURCE BUILDING
DUCTWORK SECTIONS**
3 SCALE: 1/4" = 1'-0"



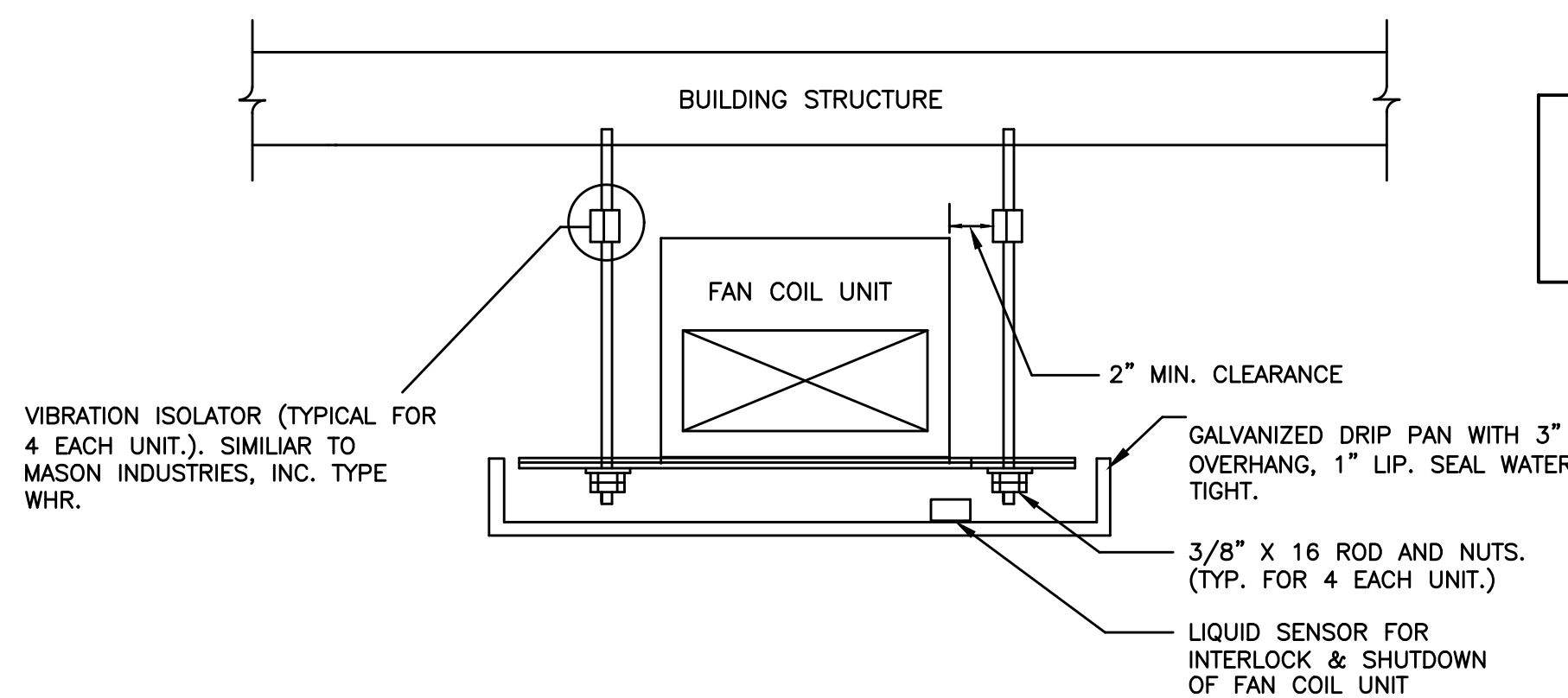
CONDENSATE TRAP DETAIL
DRAW-THRU UNIT
NO SCALE

- NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP.
 2. PITCH DRAIN FOR PROPER RUN-OFF.
 3. MANUALLY PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL.
 4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.



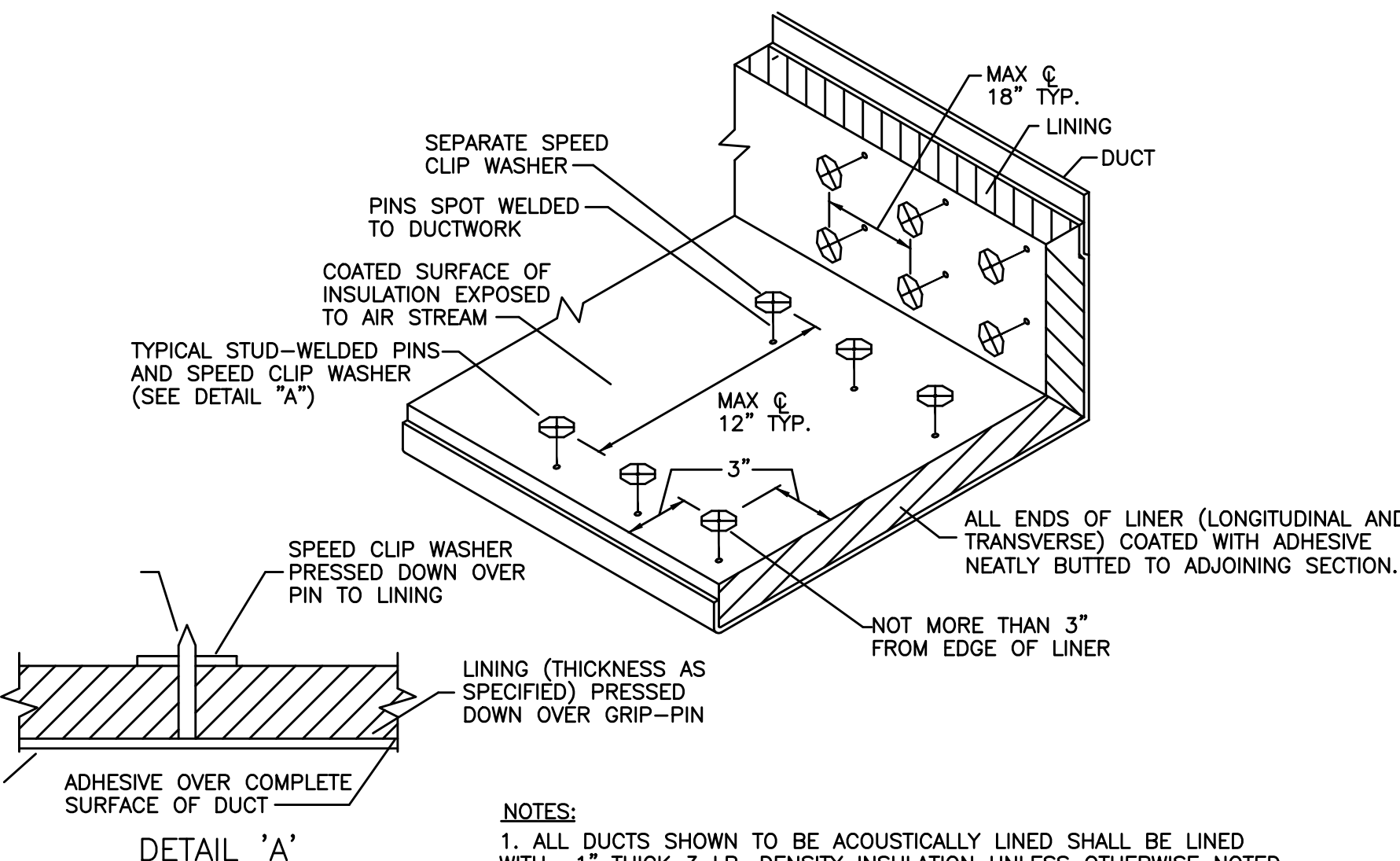
HOT WATER COIL CONNECTION DETAIL
NO SCALE

- NOTES:
1. ON LINES 2" AND SMALLER, LOCATE THERMOMETER WELLS IN PIPE ELBOW.
 2. LOCATE PIPE UNIONS AND ARRANGE PIPING TO FACILITATE COIL REMOVAL
 3. UNIONS (OR FLANGED BODY) REQUIRED TO PERMIT REMOVAL OF CONTROL VALVE



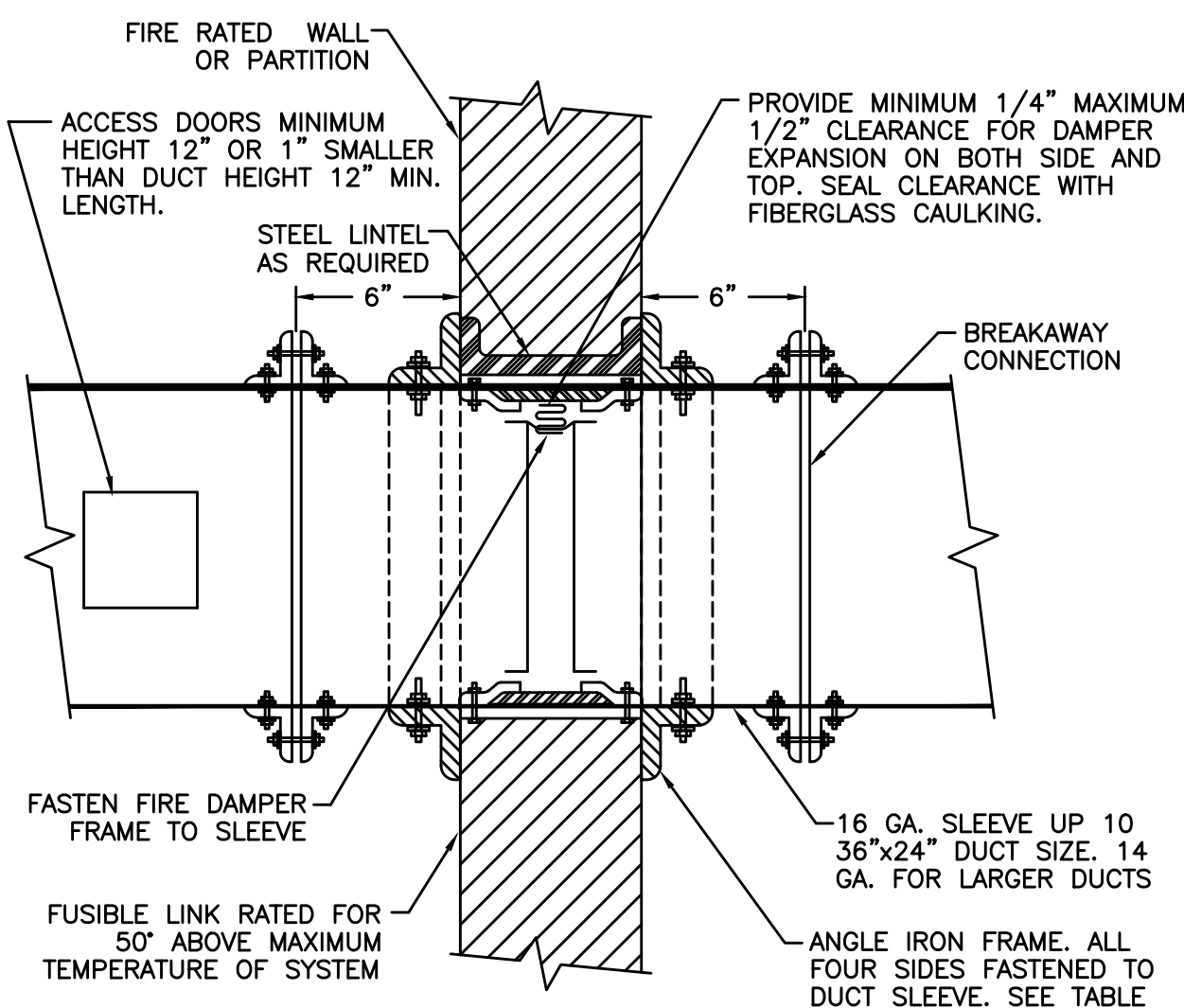
HORIZONTAL FAN COIL UNIT HANGING DETAIL
NO SCALE

NOTE: DRAIN PAN SHALL BE SUPPORTED INDEPENDENT OF FAN COIL UNIT SO THAT IT CAN BE TEMPORARILY REMOVED IN THE EVENT THAT BOTTOM ACCESS TO FAN COIL IS REQUIRED FOR COIL OR BLOWER REMOVAL.



SOUND LINING INSTALLATION DETAIL
NO SCALE

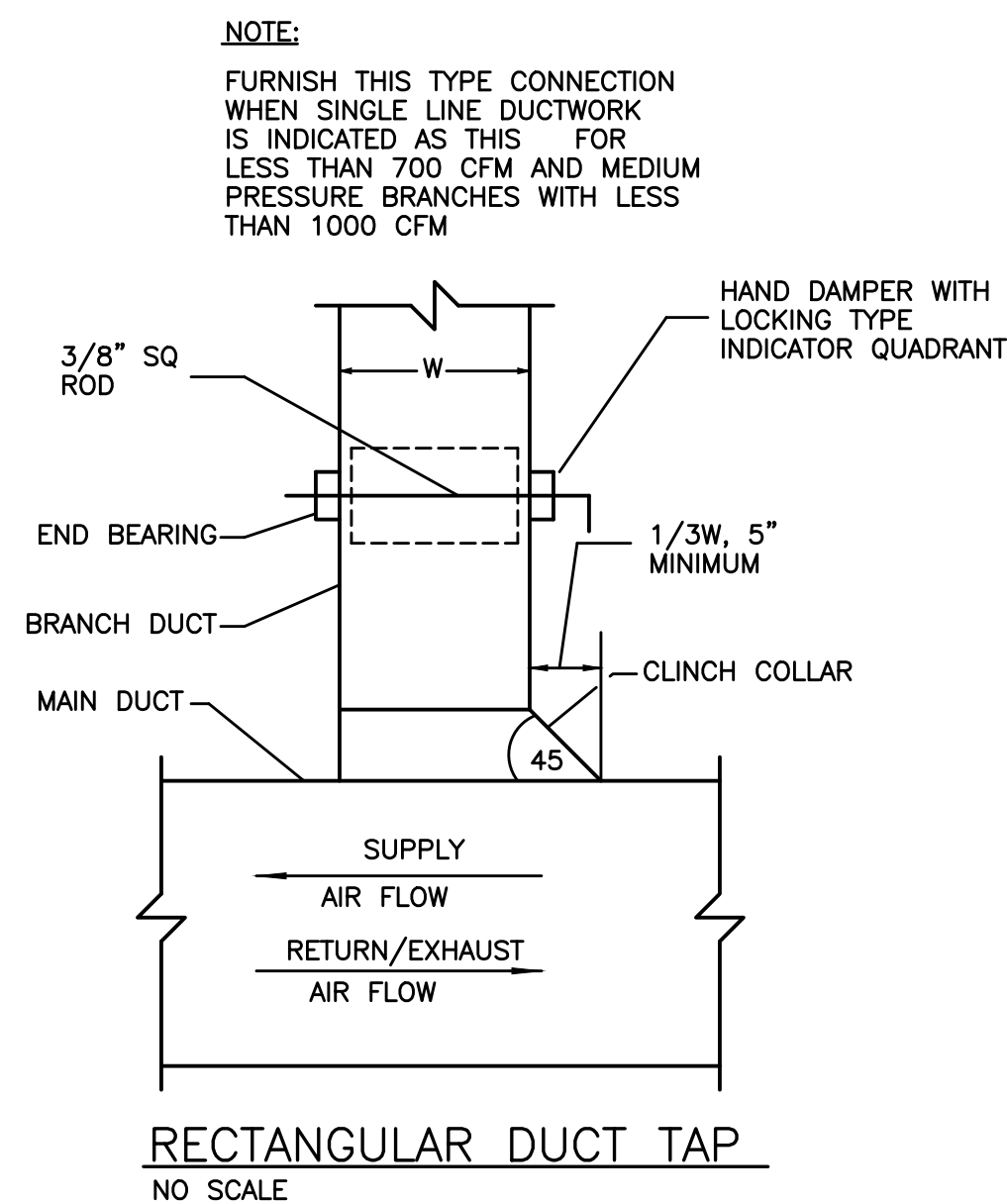
- NOTES:
1. ALL DUCTS SHOWN TO BE ACOUSTICALLY LINED SHALL BE LINED WITH 1" THICK 3 LB. DENSITY INSULATION UNLESS OTHERWISE NOTED.



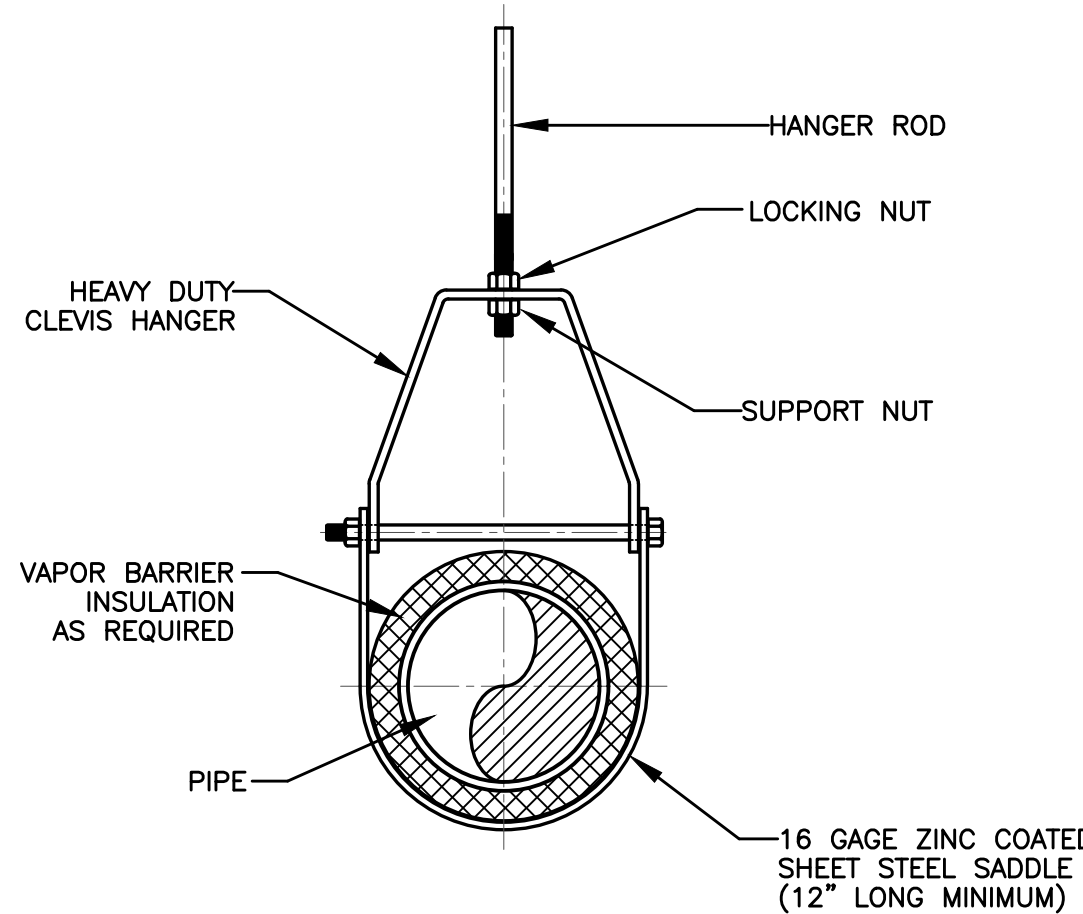
LOW PRESSURE FIRE DAMPER DETAIL
NO SCALE

WALL OPENING	ANGLE SIZE
UP TO 30"	1"x1"x1/8"
31" TO 54"	1 1/2"x1 1/2"x1/8"
55" TO 84"	3"x2"x3/16"
85" TO 120"	3"x2"x3/16"

- GENERAL NOTES
1. FIRE DAMPER TO BE U.L. LABELED N.F.P.A. 90 A.
 2. N.F.P.A. APPROVED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF FIRE DAMPER FOR APPROVAL WHICH SHALL MEET N.F.P.A. STANDARD 90 A.
 3. DETAILS SHOWN ARE FOR FIRE DAMPERS IN HORIZONTAL DUCTWORK. FOR FIRE DAMPERS IN VERTICAL DUCTWORK, DETAILS SIMILAR EXCEPT SHALL BE SPRING LOADED.
 4. U.L. APPROVED BREAKAWAY SLIP JOINT CONNECTION MAY BE USED IN LIEU OF FLANGED CONNECTION
 5. ACCESS DOOR IS SHOWN ON SIDE OF DUCT. IF FUSIBLE LINK IS MORE ACCESSIBLE FROM BOTTOM OF DUCT RELOCATE ACCESS DOOR.
 6. FROM FIRST 10'-0" OF FAN DISCHARGE DUCTS AND FOR DUCT SIZES LESS THAN 8" DEEP FIRE DAMPER BLADES SHALL BE INSTALLED IN POCKET OUTSIDE OF AIR STREAM
 7. ALL FIRE DAMPERS TO BE LOCATED OUT OF AIR STREAM.

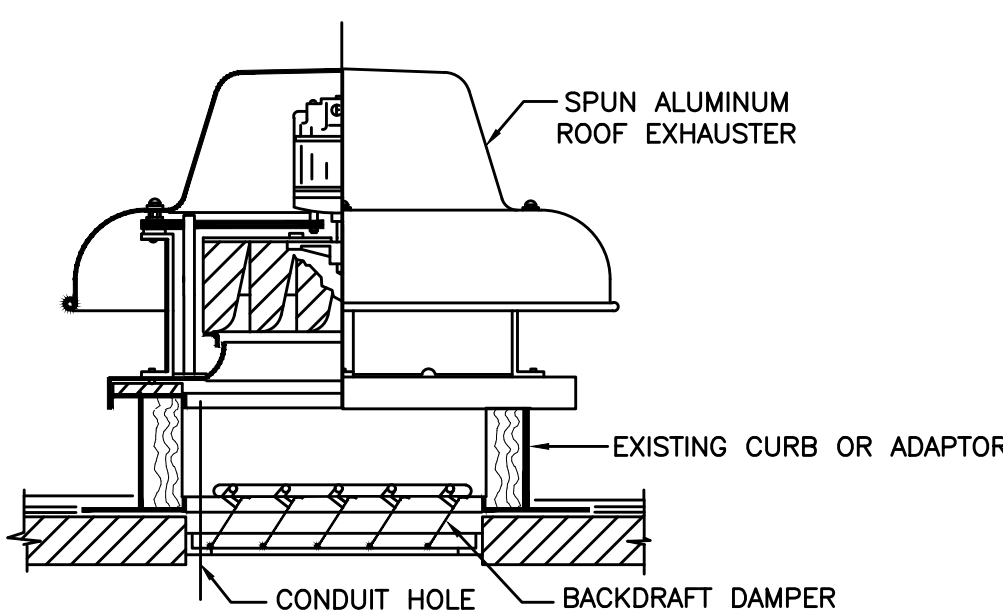


RECTANGULAR DUCT TAP
NO SCALE



HANGER ROD SCHEDULE			
PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA.	4" THRU 5"	5/8" DIA.
2 1/2" THRU 3"	1/2" DIA.	6" THRU 12"	7/8" DIA.

CLEVIS HANGER
HORIZONTAL RUNS



ROOF TOILET EXHAUST FAN DETAIL
NO SCALE

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PROJECT: EDEGMONT SCHOOL DISTRICT
RESOURCE BUILDING
HVAC REPLACEMENT AND RELATED WORK
300 WHITE OAK LANE, CARLSBALE, NY 10503
DRAWING TITLE: MECHANICAL DETAILS

DATE: 09-08-2022
SHEET SIZE: 30"x42"
SCALE: AS NOTED
DRAWN BY: LFG
ISSUED TO: BID
DRAWING NO.: M204
FILE NO.: 21439.00

VAV DIFFUSER SCHEDULE							
MARK	MODEL	MANU.	ROOM NUMBER	QUANTITY	ROOM SERVED	CFM MIN MAX	NOTES
CD-1	PPD PRODIGY	PRICE	R1	1	VEST. A	0 32	1
CD-2			R3,R4	2	CONF.	0 65	
CD-3			R6	1	VEST.	0 15	1
CD-4			R10	1	COPY RM.	0 25	1
CD-5			R11	1	OFFICE	0 22	1
CD-6			R11.1	2	STUDIO	0 28	1
CD-7			R12	1	PASSAGE	55 100	
CD-8			R13	1	EXIST. VEST	110 390	
CD-9			R14	1	OFFICE	60 100	
CD-10			R15	1	STORAGE	0 135	
CD-11			R15,R16	2	VIEW/RECORD, DARK ROOM	45 100	
CD-12			R17	1	WORK ROOM	0 70	
CD-13			R18	1	PROJECTION ROOM	0 180	
CD-14			R19	2	CONTROL ROOM	100 130	
CD-15			R20	2	AV ROOM	315 360	
CD-16			R29	1	WORKROOM OFF	180 395	
CD-17			R30,R32	2	SEMINAR, VIEW	150 290	
CD-18			R31	1	LISTEN	140 260	

NOTES:
1. REFER TO VAV DIFFUSER SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE GATEWAY FOR MONITORING BY BAS. THERMOSTATS SHALL BE FURNISHED BY ATC CONTRACTOR.

ROOFTOP UNIT SCHEDULE		
MARK	RTU-1	RTU-2
AREA SERVED	LECTURE	L. LIBRARY
MODEL	50HC-E09	50HC-E24
MANUFACTURER	CARRIER	CARRIER
COOLING CAPACITY (MBH)	96	232
SENSIBLE CAPACITY (MBH)	68	163
A I R	AIRFLOW (CFM)	3000 6500
	ESP (in. wc.)	1.5 1.5
	FAN RPM	901 981
	FAN BHP	1.41 3.92
E L C	EAT (DB / WB)	77.4 / 65.1 77 / 64.8
	LAT (DB / WB)	52.8 / 52.3 53.7 / 52.8
E L C	VOLTAGE	208 208
	PHASE	3 3
E L C	MCA	58 135.1
	MOCP	70 150
EER	12.2	12.2
UNIT WEIGHT (lbs)	1943	4147
NOTES	1, 2	1, 2

NOTES:
1. UNITS SHALL BE SET ON SPRING ISOLATORS WITH 1" STATIC DEFLECTION
2. UNITS SHALL BE FURNISHED WITH FACTORY BACNET CARD.

ROOFTOP UNIT SCHEDULE (ALTERNATE #1)		
MARK	RTU-1	RTU-2
AREA SERVED	LECTURE	L. LIBRARY
MODEL	50LCOAD09	50LCO026
MANUFACTURER	CARRIER	CARRIER
COOLING CAPACITY (MBH)	102.3	260.8
SENSIBLE CAPACITY (MBH)	71.56	173.6
A I R	AIRFLOW (CFM)	2550 6750
	ESP (in. wc.)	1.0 1.0
	FAN RPM	673 843
	FAN BHP	1.38 5.37
E L C	EAT (DB / WB)	82.1 / 68.1 82.1 / 68.1
	LAT (DB / WB)	56.1 / 55.3 56.1 / 55.3
E L C	VOLTAGE	208 208
	PHASE	3 3
E L C	MCA	50 53.9
	MOCP	60 60
EER	13.7	10.6
UNIT WEIGHT (lbs)	1889	4147
NOTES	1, 2	1, 2

NOTES:
1. UNITS SHALL BE SET ON SPRING ISOLATORS WITH 1" STATIC DEFLECTION
2. UNITS SHALL BE FURNISHED WITH FACTORY BACNET CARD.

FAN COIL UNIT SCHEDULE							
MARK	TYPE	MODEL	MANU.	AIRFLOW (CFM)	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	VOLTAGE PHASE MCA MOCP
FCU-1-1	HORIZ. DUCTED	40VMH072	CARRIER	2235	72	81	208 3 9.7 15
FCU-1-2	HORIZ. DUCTED	40VMH054		1618	53.5	60	208 1 7.8 15
FCU-1-3	CASSETTE	40VMM018		640	19.1	21.5	208 1 2 15
FCU-1-4	CASSETTE			1000			
FCU-1-5	CASSETTE	40VMC007		306	7.1	8	208 1 0.38 15
FCU-1-6	CASSETTE			306			
FCU-1-7	CASSETTE	40VMF012		306	12.17	13	208 1 0.53 15
FCU-1-8	HORIZ. DUCTED	40VML007		224	7	8	208 1 0.5 15
FCU-2-1	HORIZ. DUCTED	40VMH096		2824	96	108	208 1 10.2 15
FCU-2-2	HORIZ. DUCTED						

NOTES:
1. UNIT SHALL INCLUDE FACTORY FILTER BOXES.
2. REFER TO FAN COIL HANGING DETAIL FOR ADDITIONAL INFORMATION.
3. UNITS SHALL BE FURNISHED WITH FACTORY BACNET CARD.
4. PROVIDE FACTORY CONDENSATE PUMP FOR EACH FAN COIL CONNECTED TO UNIT POWER.
5. REFER TO PIPING DIAGRAM FOR DX PIPE SIZES.

HOT WATER COIL SCHEDULE			
MARK	HWC-1	HWC-2	HWC-3
UNIT SERVED	RTU-1	RTU-2	RTU-2
AREA SERVED	LECTURE	L. LIBRARY	L. LIBRARY
QTY	1	1	1
MODEL	W8-3412-08B	W8-2812-10B	W8-3615-09B
MANUFACTURER	CAPITAL	CAPITAL	CAPITAL
AIRFLOW (cfm)	3000	2480	4030
HEATING CAPACITY (BTU/h)	124.3	112.5	171.6
EAT (deg F)	55	57	57
LAT (deg F)	93.3	98.9	96.3
EWT (deg F)	180	180	180
LWT (deg F)	160	160	160
FLOW RATE (gpm)	12.7	11.5	17.6
FLUID PRESS. DROP (ft. of water)	14.6	2.7	3.8
PIPE INLET SIZE (in.)	1	1	1 1/8
WIGHT (lbs)	25	24	34
NOTES	1	1	1

NOTES:
1. REFER TO HOT WATER COIL DETAIL FOR ADDITIONAL INFORMATION

WALL CABINET HEATER SCHEDULE		
MARK	WCH-1	WCH-1
AREA SERVED		(R23) PASSAGE
MODEL		9000 WM
MANUFACTURER		MYSON COMFORT
VOLTAGE (V)		110
PHASE		1
MOTOR POWER (W)		40
FLOW RATE (GPM)		1
ENTERING AIR TEMP (F)		65
ENTERING WATER TEMP (F)		180
FAN SETTING		BOOST
HEATER LENGTH (in.)		18
HEATING CAPACITY (BTU/h)		8755
NOTES:		
1. PROVIDE 2W FACTORY CONTROL VALVE AND HAYS BALANCE VALVE		

BRANCH DUCT SCHEDULE		
AIR FLOW (cfm)	ROUND DUCT SIZE (in.)	SQUARE DUCT SIZE (in.)
0-105	6	6x6
106-160	7	8x6
161-230	8	10x6
231-320	9	12x6
321-420	10	12x8

NOTES:
1. WHETHER OR NOT INDICATED ON PLANS, CONTRACTOR SHALL FURNISH AND INSTALL MANUAL VOLUME DAMPERS IN ALL SUPPLY AND RETURN BRANCH DUCTS.

HP SCHEDULE	
MARK	HP-1
MODEL	38VMA216
MANU.	CARRIER
COOLING CAPACITY (MBH)	214
HEATING CAPACITY (MBH)	243
COOLING OA TEMP	87
HEATING OA TEMP	10.9
VOLTAGE	208
PHASE	3
MCA	81
RFS	100
IEER/EER	22.35 / 10.9
WEIGHT	1137
NOTES:	

NOTES:
1. UNIT SHALL BE SET ON EXISTING ROOF CURB. PROVIDE CURB ADAPTOR AS REQUIRED.

VENTILATION AIR REQUIREMENT									
HVAC ZONE	AREA SERVED	OCCUPANCY CLASSIFICATION	OCCUPANT LOAD Pz (Ac)	REQUIRED VENTILATION Rv / Ra	ZONE AIR DIST. EFFECTIVENESS (Ez)	O/A/E.A. REQUIRED (CFM) - Vbz	O/A/E.A. DESIGN (CFM)	REMARKS	
RTU-1 (Lecture)	R05 - Lecture Room	Lecture Hall (fixed seats)	111 (2396 SF)	7.5 CFMPERSON 0.06 CFMSF	0.8	1220	1225	2	
		CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL				1220	1225		
RTU-2 (L. Library)	R25 - Library	Libraries	56 (5730 SF)	5 CFMPERSON 0.12 CFMSF	0.8	1222	1225		
		CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL				1222	1225		
ERV-1	R01 and R02 - Vest and Stair A	Corridors	- (368 SF)	- CFMPERSON 0.06 CFMSF	1.0	22	25	1	
	R03 - Conf	Office Space	2 (42 SF)	5 CFMPERSON 0.06 CFMSF	0.8	16	20	2	
	R04 - Conf	Office Space	2 (42 SF)	5 CFMPERSON 0.06 CFMSF	0.8	16	20	2	
	R14 - Office	Office Space	1 (99 SF)	5 CFMPERSON 0.06 CFMSF	0.8	14	15	2	
	R15 - Storage	Storage Rooms	- (169 SF)	- CFMPERSON 0.12 CFMSF	0.8	25	30		
	R15 - View/Record	Office Space	1 (72 SF)	5 CFMPERSON 0.06 CFMSF	0.8	12	15	2	
	R16 - Dark Room	Office Space	1 (72 SF)	5 CFMPERSON 0.06 CFMSF	0.8	12	15	2	
	R17 - Work Room	Office Space	1 (111 SF)	5 CFMPERSON 0.06 CFMSF	0.8	15	15	2	
	R18 - Projection Room	Office Space	2 (228 SF)	5 CFMPERSON 0.06 CFMSF	0.8	30	30	2	
	R19 - Control Room	Office Space	3 (331 SF)	5 CFMPERSON 0.06 CFMSF	0.8	44	45	2	
	R20 - AV Room	Office Space	4 (484 SF)	10 CFMPERSON 0.12 CFMSF	0.8	123	125	2	
	R21 - Toilet	-	- (19 SF)	100 CFM EXHAUST AIR	0.8	100	100		
	R22 - Toilet	-	- (19 SF)	100 CFM EXHAUST AIR	0.8	100	100		
	R23 - Passage	Corridors	- (169 SF)	- CFMPERSON 0.06 CFMSF	0.8	13	15		
	R24 - Faculty Rm	Office Space	12 (1626 SF)	5 CFMPERSON 0.06 CFMSF	0.8	197	200	2	
	R06 - Vest	Corridors	- (169 SF)	- CFMPERSON 0.06 CFMSF	1.0	10	15	1	
	R07 - Toilet	-	- (16 SF)	70 CFM EXHAUST AIR	0.8	70	100		
	R08 - Toilet	-	- (16 SF)	70 CFM EXHAUST AIR	0.8	70	100		
	R09 - Jan Closet	Storage Rooms	- (24 SF)	50 CFM EXHAUST AIR	0.8	50	50		
	R10 - Copy Rm	Storage Rooms	- (139 SF)	- CFMPERSON 0.12 CFMSF	1.0	17	20	1	
	R11 - Office	Office Space	2 (160 SF)	5 CFMPERSON 0.06 CFMSF	1.0	20	20	1, 2	
	R11.1 - Studio	Office Space	2 (452 SF)	5 CFMPERSON 0.06 CFMSF	0.8	46	50	2	
	R12 - Passage	Corridors	- (130 SF)	- CFMPERSON 0.06 CFMSF	0.8	10	10		
	R13 - Existing Vestibule	Corridors	- (261 SF)	- CFMPERSON 0.06 CFMSF	0.8	20	20		
	R26 - Toilet	-	- (21 SF)	70 CFM EXHAUST AIR	0.8	70	100		
	R27 - Toilet	-	- (21 SF)	70 CFM EXHAUST AIR	0.8	70	100		
	R29 - Workroom Office	Office Space	2 (263 SF)	5 CFMPERSON 0.06 CFMSF	0.8	32	35	2	
	R30 - Seminar	Office Space	2 (193 SF)	5 CFMPERSON 0.06 CFMSF	0.8	27	30	2	
	R31 - Listen	Office Space	2 (174 SF)	5 CFMPERSON 0.06 CFMSF	0.8	26	30	2	
	R32 - View	Office Space	2 (193 SF)	5 CFMPERSON 0.06 CFMSF	0.8	27	30	2	
	R33 - Sm. Library	Libraries	8 (721 SF)	5 CFMPERSON 0.12 CFMSF	0.8	158	160		
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						1458	1640	
REMARKS: 1. THIS ZONE FALLS UNDER EXCEPTION F IN NYC/MC 403.1.1.2 2. OCCUPANCY DETERMINED BY COUNTING FIXED SEATS IN THE SPACE									

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PROJECT: EDGE MONT SCHOOL DISTRICT
RESOURCE BUILDING
HVAC REPLACEMENT AND RELATED WORK
300 WHITE OAK LANE, CARSDALE, NY 10535

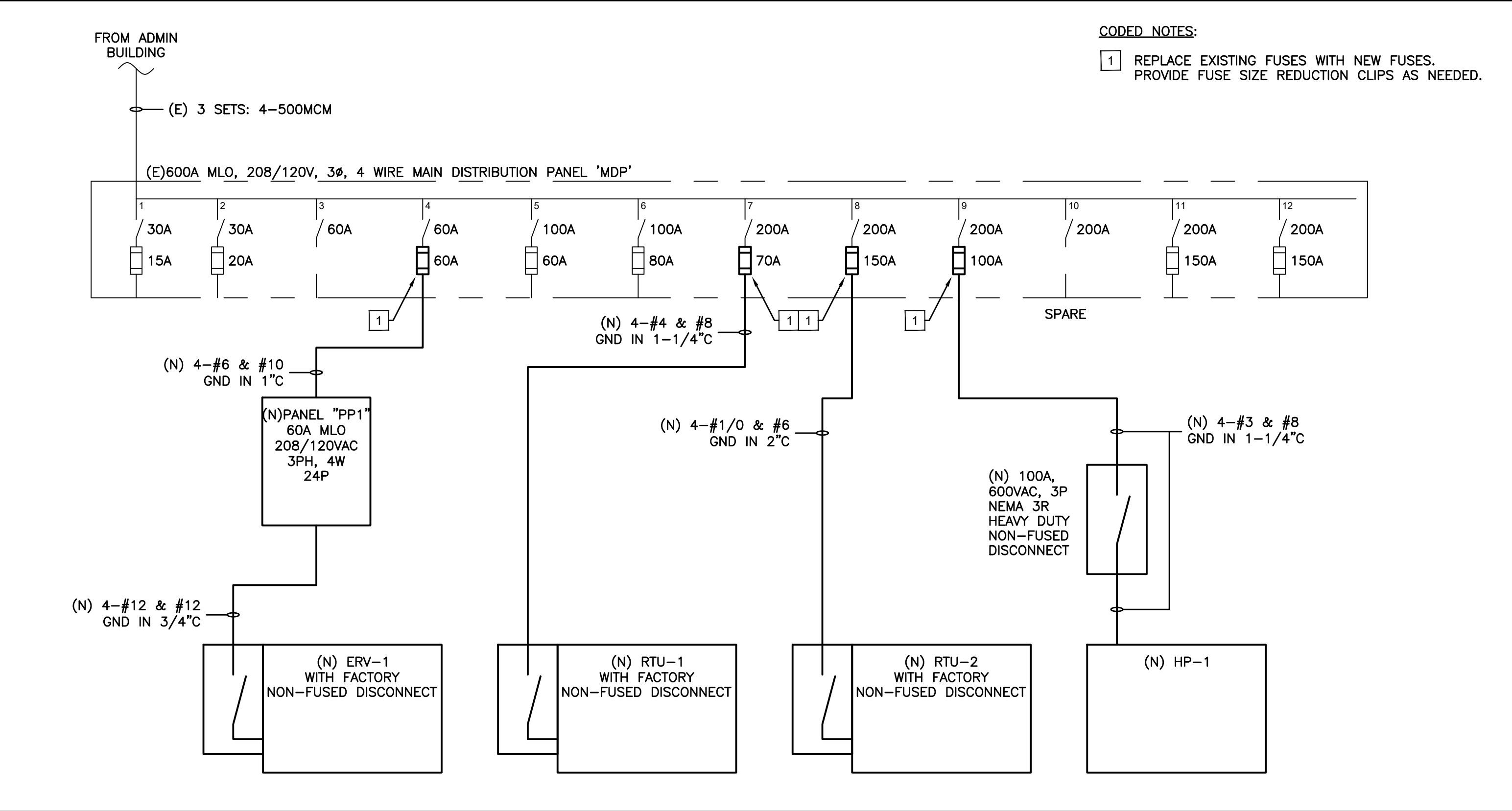
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MECHANICAL SCHEDULES

DATE: 09-08-2022
ISSUED TO: BID
SHEET SIZE: 30"x42"
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO: 21439.00

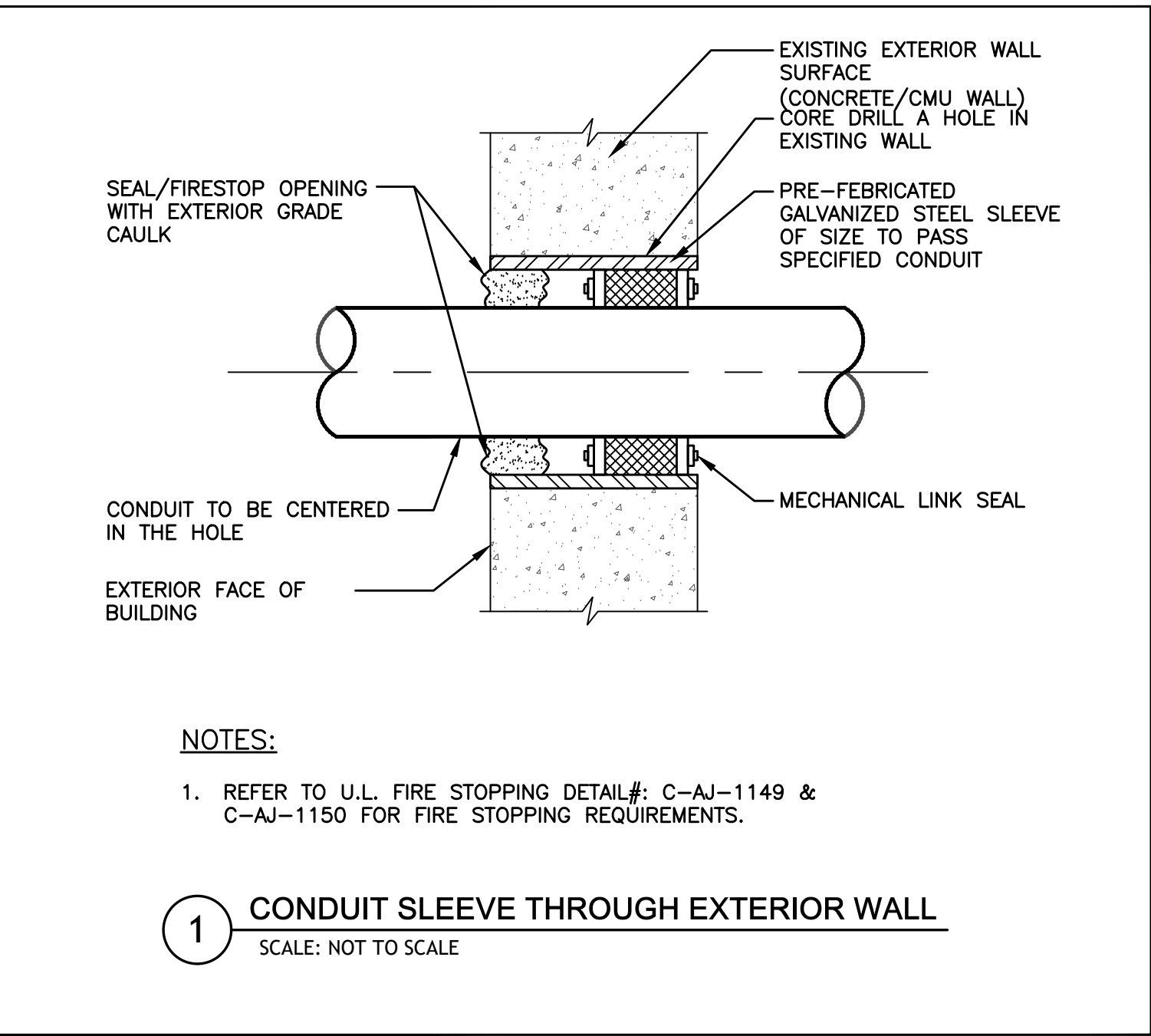
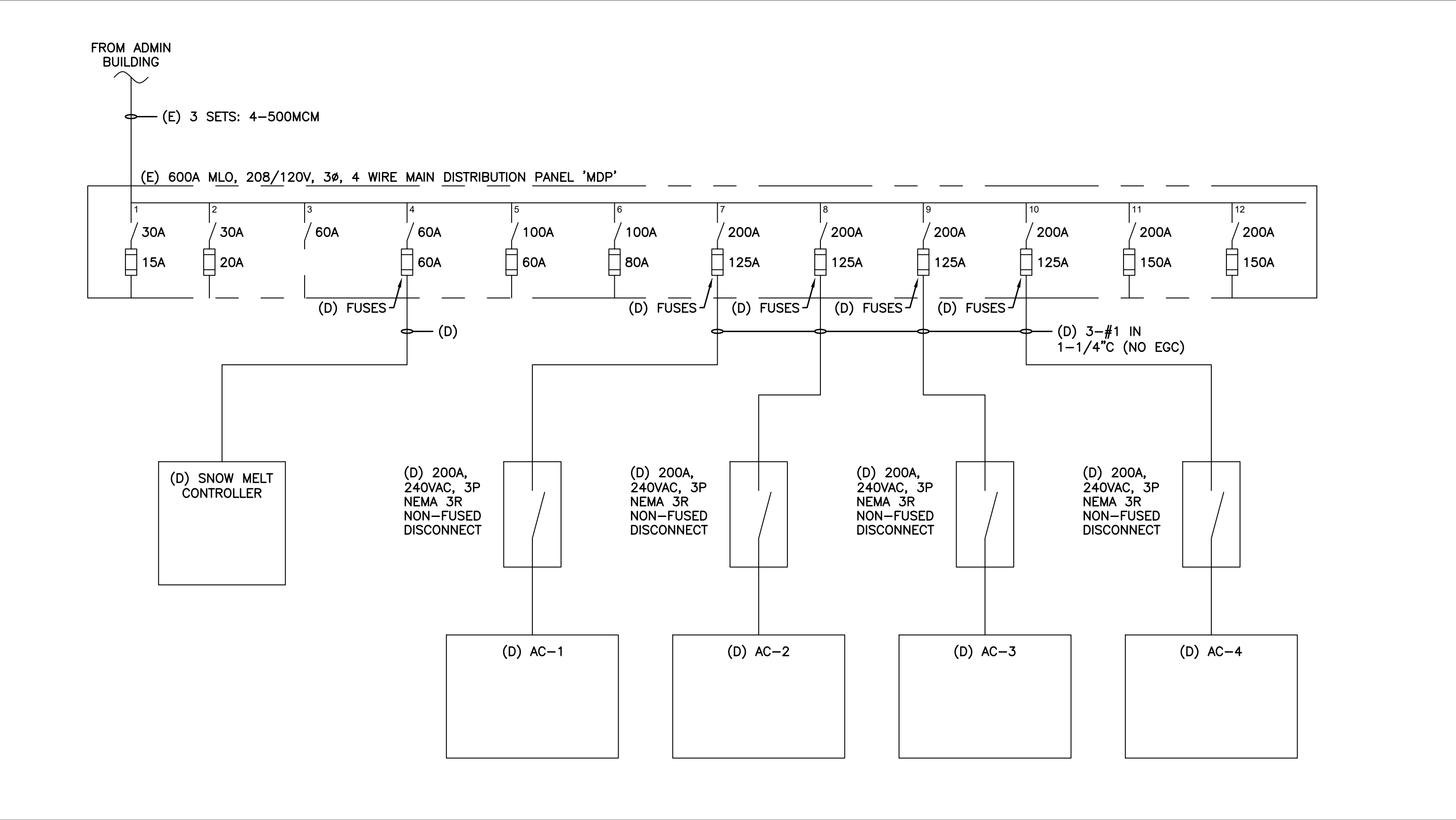
ELECTRICAL LEGEND

- ⏻ DUPLEX RECEPTACLE
⏻ DOUBLE-DUPLEX RECEPTACLE
⏻ DEDICATED RECEPTACLE
LP/XX HOMERUN (PANEL TAG/CIRCUIT NUMBER)
⊙ JUNCTION BOX
△ TEL/CABLE RECEPTACLE
▲ DATA RECEPTACLE
⏻ LOCKABLE DISCONNECT SWITCH WITH RATINGS
■ PANEL
■ RECESSED PANEL
⏻ SWITCH
⏻ SWITCH, 3-WAY
⏻ SWITCH, MOTOR RATED, HEAVY DUTY, 240V, 20A, 2 POLE (HBL1222BK)
⏻ SWITCH, OCCUPANCY SENSOR
⏻ SWITCH, VACANCY SENSOR
⏻ SINGLE FACE EXIT SIGN, WITH DIRECTIONAL ARROWS
⏻ DUAL FACE EXIT SIGN, WITH DIRECTIONAL ARROWS
⏻ SINGLE FACE EXIT SIGN, WITH INTEGRAL EMERGENCY LIGHTS
EM WALL MOUNTED EMERGENCY LIGHTING UNIT
DEM CEILING MOUNTED EMERGENCY LIGHTING UNIT
gfi GROUND FAULT CIRCUIT INTERRUPTER TYPE
WP WEATHER-PROOF TYPE
UP CONDUIT UP
DN CONDUIT DOWN
C CONDUIT
TYP. TYPICAL
GND GROUND
ARCH. ARCHITECT
COORD. COORDINATE
SCC PROSPECTIVE SHORT CIRCUIT CURRENT
MCA MINIMUM CIRCUIT AMPACITY
FLA FULL LOAD AMPERES
RLA RATED LOAD AMPERES
LRA LOCKED ROTOR AMPERES
MOCP MAXIMUM OVER CURRENT PROTECTION
RFS RECOMMENDED FUSE SIZE
(TIE) TIE INTO CIRCUIT
(N) NEW
(E) EXISTING
(RL) RELOCATE EXISTING
(D) DEMOLISH
○ CONDUIT UP
○ CONDUIT DOWN
— NEW
— EXISTING

New Part One Line Diagram



Existing (Demo) Part One Line Diagram



NEW WORK MAIN DISTRIBUTION PANEL SCHEDULE 'MDP'

CKT. NO.	NAMEPLATE INFORMATION	FUSED SWITCH			REMARKS
		FRAME	FUSE	POLES	
1	HEAT PUMP	30	15	3	
2	SNOW MELTING CONTROL UNIT HEATER TUNNEL	30	20	3	
3	SPARE	60		3	
4	PANEL "PP1"	60	60	3	
5	UNLABELED	100	60	3	
6	PNL C	100	80	3	
7	RTU-1	200	70	3	
8	RTU-2	200	150	3	
9	HP-1	200	100	3	
10	SPARE	200		3	
11	PANEL F	200	150	3	
12	PANEL E	200	150	3	

EXISTING (DEMO) MAIN DISTRIBUTION PANEL SCHEDULE 'MDP'

CKT. NO.	NAMEPLATE INFORMATION	FUSED SWITCH			REMARKS
		FRAME	FUSE	POLES	
1	HEAT PUMP	30	15	3	
2	SNOW MELTING CONTROL UNIT HEATER TUNNEL	30	20	3	
3	SPARE	60		3	
4	SNOW-MELTING	60	60	3	
5	UNLABELED	100	60	3	
6	PNL C	100	80	3	
7	AE-1	200	±25	3	
8	AE-2	200	±25	3	
9	AE-3	200	±25	3	
10	AE-4	200	±25	3	
11	PANEL F	200	150	3	
12	PANEL E	200	150	3	

PANEL SCHEDULE LEGEND:

STRUCKTHROUGH TEXT IS EXISTING TO BE DEMOLISHED

LIGHT TEXT IS EXISTING TO REMAIN

BOLD TEXT IS NEW

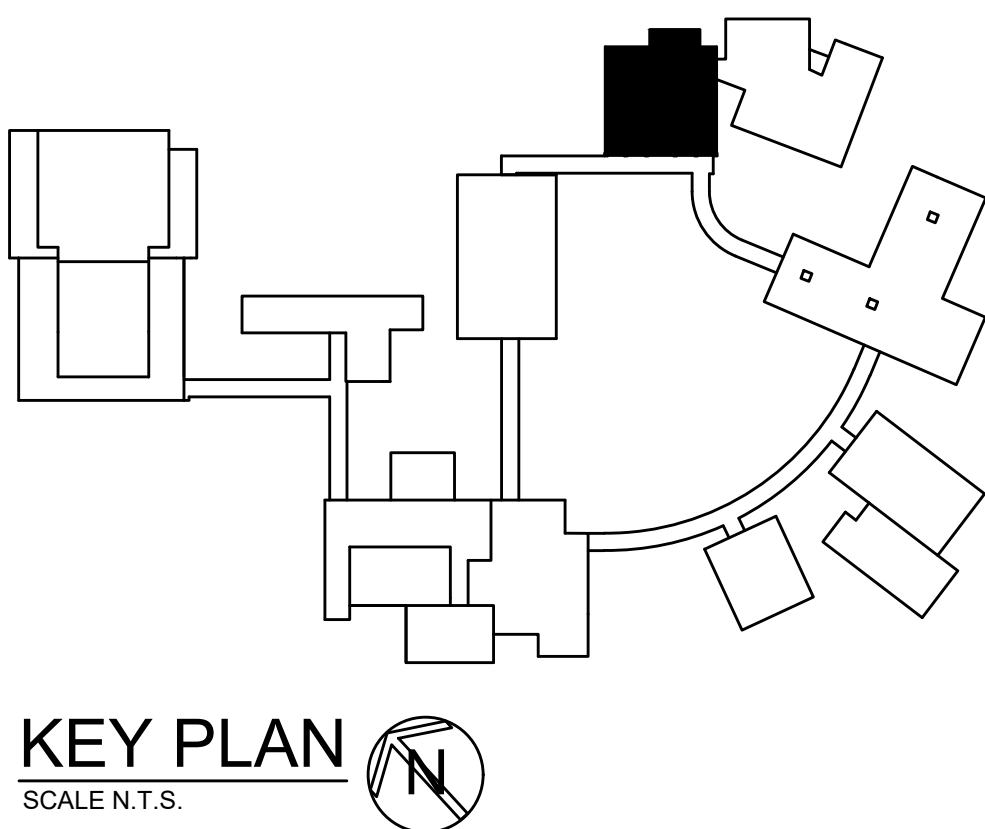
NEW PANEL SCHEDULE "PP1"														
PANEL "PP1"		BUS 60 AMP MAIN LUGS ONLY		VOLTAGE 120/208V, 3PH, 4 WIRE										
LOAD		POLES 24												
MOUNTING SURFACE		SPEC				AIC SYMM 22,000								
DESCRIPTION	WIRE	GRD.	COND.	TRIP	CKT.	A PHASE	B PHASE	C PHASE	CKT.	TRIP	COND.	GRD.	WIRE	DESCRIPTION
ERV-1	1 12	12	1/2"	20A	3	1776 164			2 15A	1/2"	12	12	12	VR1 BRANCH BOXES (MDCs)
					5				6 15A	1/2"	12	12	12	FCU-1-3, 1-4, 1-5, 1-6, 1-7, 1-8
FCU-2-1	1 12	12	1/2"	15A	7	811 379			10 15A	1/2"	12	12	12	VAV DIFFUSERS
FCU-1-1, 1-2	1 12	12	1/2"	15A	11		811 300	1040 360	12 20A	1/2"	12	12	12	RCPT-REAR MECH. SERVICE
					13	1040 300			14 15A	1/2"	12	12	12	MOTORIZED DAMPERS
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
SUBTOTAL						4470	3051	3555						
TOTAL CONNECTED LOAD						11,070	va	31						
TOTAL DESIGN LOAD						11,070	va	31						
125% TOTAL LOAD						13.8	kva	38						

KEYED NOTES:

1. PROVIDE HACR TYPE CIRCUIT BREAKERS
2. PROVIDE LOCKING CLIPS
3. VERIFY POWER REQUIREMENTS FOR ACTUAL EQUIPMENT BEFORE INSTALLATION.
4. PROVIDE GFI CIRCUIT BREAKER.
5. CIRCUIT CONTROLLED VIA TIMECLOCK

LIGHTING FIXTURE SCHEDULE

TAG	SYMBOL	DESCRIPTION	EQUIVALENT MANUFACTURERS AND CATALOG NUMBER	MOUNTING OR LAMPS	QUANTITY	REMARKS
A	□ A	2'x2' LED TROFFER	WILLIAMS AT1 AT1-2-2-L30-8-35-D-EM/10W-DRV-UNV	29.5W 3500K	11	WIRE EMERGENCY BATTERY AHEAD OF LOCAL SWITCHING
B	□ B	2'x4' LED TROFFER	WILLIAMS AT1 AT1-2-4-L55-8-35-D-EM/10W-DRV-UNV	48W 3500K	42	WIRE EMERGENCY BATTERY AHEAD OF LOCAL SWITCHING
C	☐ C	LED EXTERIOR WALL PACK	WILLIAMS WPAL WPAL-L49-8-50-BZ-PC-DIM-UNV	69W 5000K	1	



LOAD SUMMARY:

DEMOLISHED LOADS:

DESCRIPTION	POWER
AC-1	45,000kW
AC-2	45,000kW
AC-3	45,000kW
AC-4	42,120kW
TOTAL DEMO:	177,120kW

NEW LOADS:

DESCRIPTION	POWER
RTU-1	20,880kW
RTU-2	48,636kW
HP-1	29,160kW
PANEL "PP1"	11,070kW
TOTAL NEW:	109,746kW

DEMOLISHED LOADS > NEW LOADS

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S.E.D. CONTROL NUMBER
66-04-06-03-0-010-007

PROJECT TITLE
EDGE MOUNT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583

DRAWING TITLE
ELECTRICAL LEGEND, ONE LINE DIAGRAM,
AND PANEL SCHEDULES

09-08-2022
DATE

BID
ISSUED TO

SHEET SIZE
30"x42"

SCALE
AS NOTED

DRAWN BY
LFG

DRAWING NO.
E001

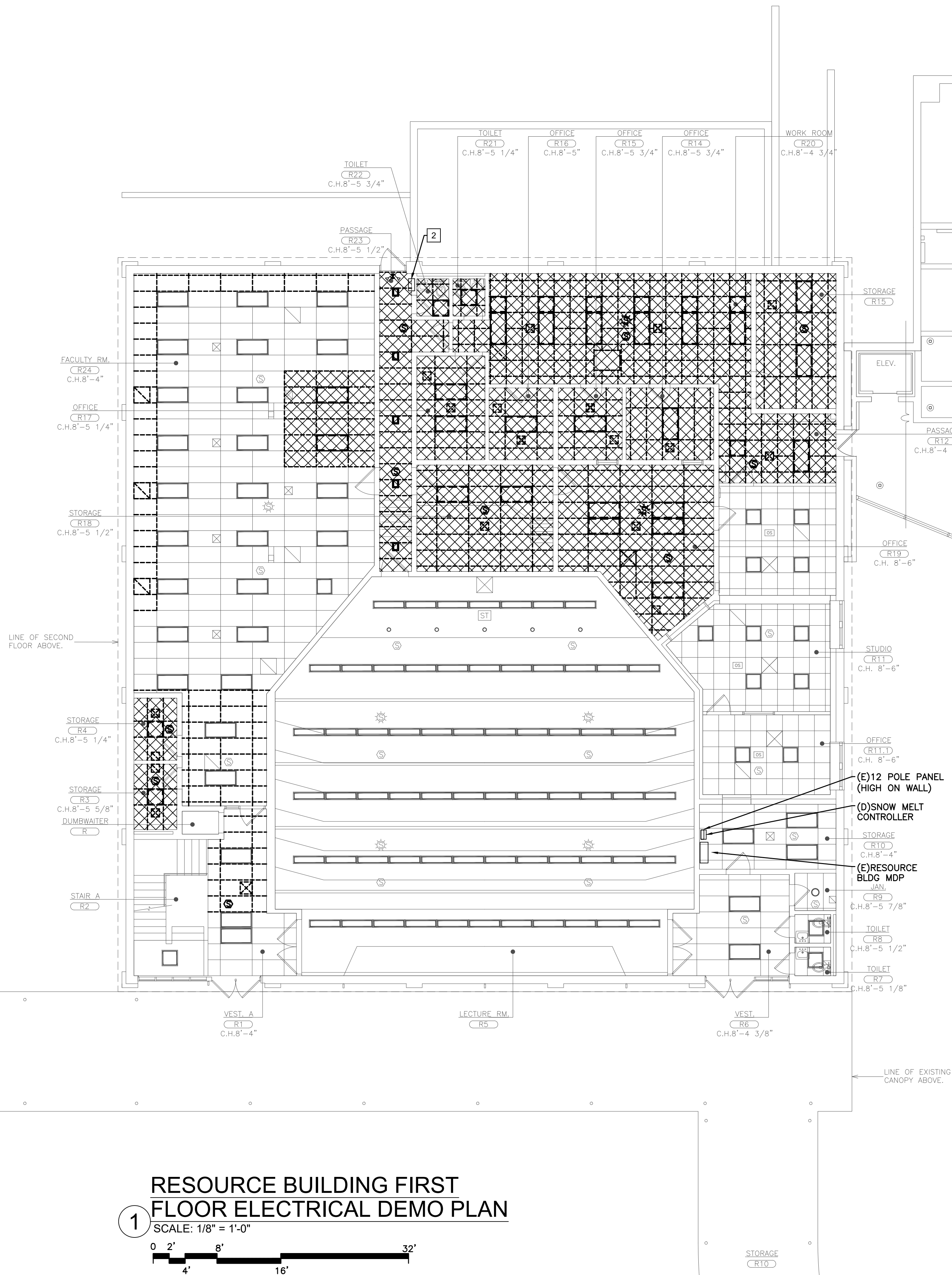
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DEMOLITION NOTES:

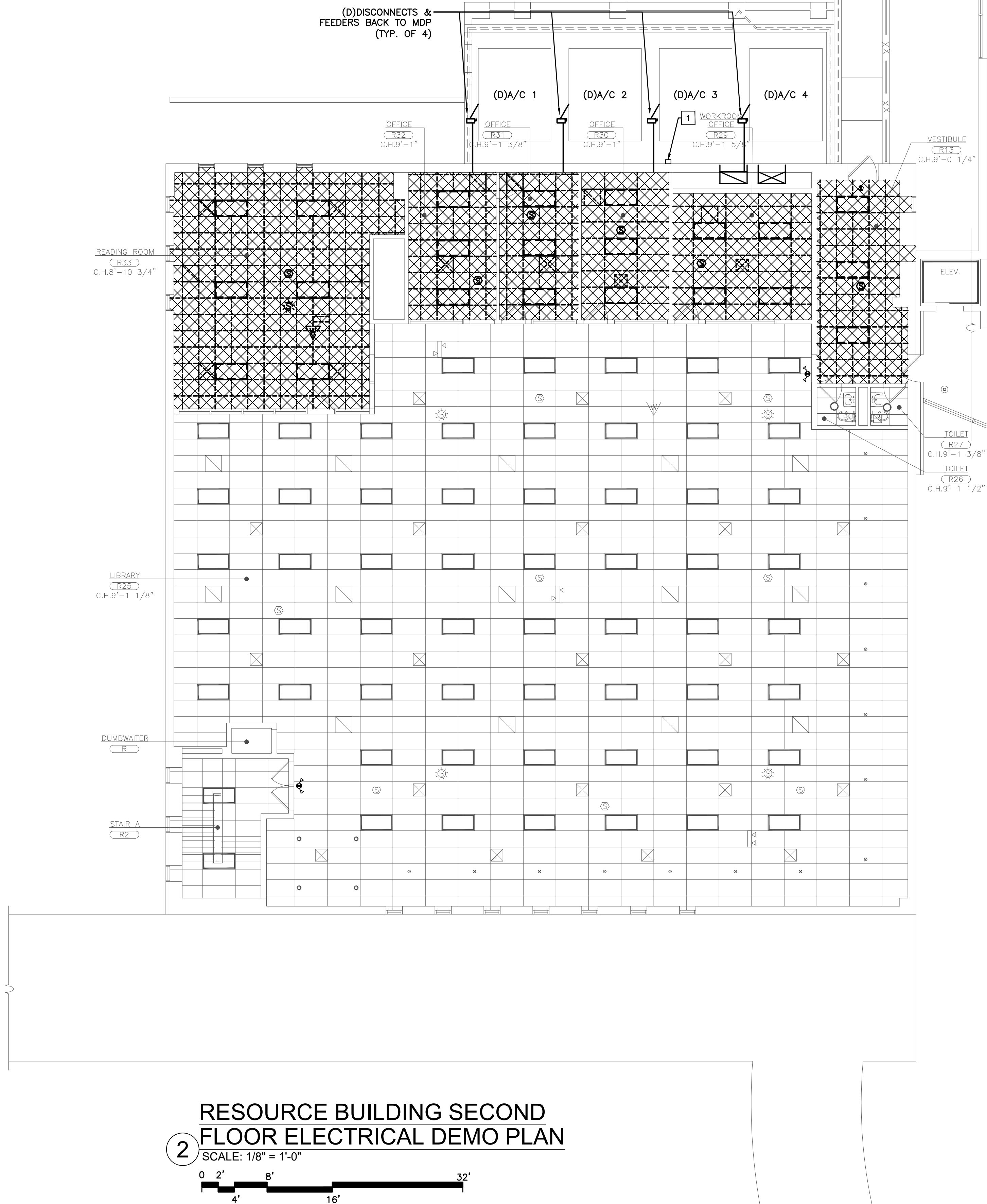
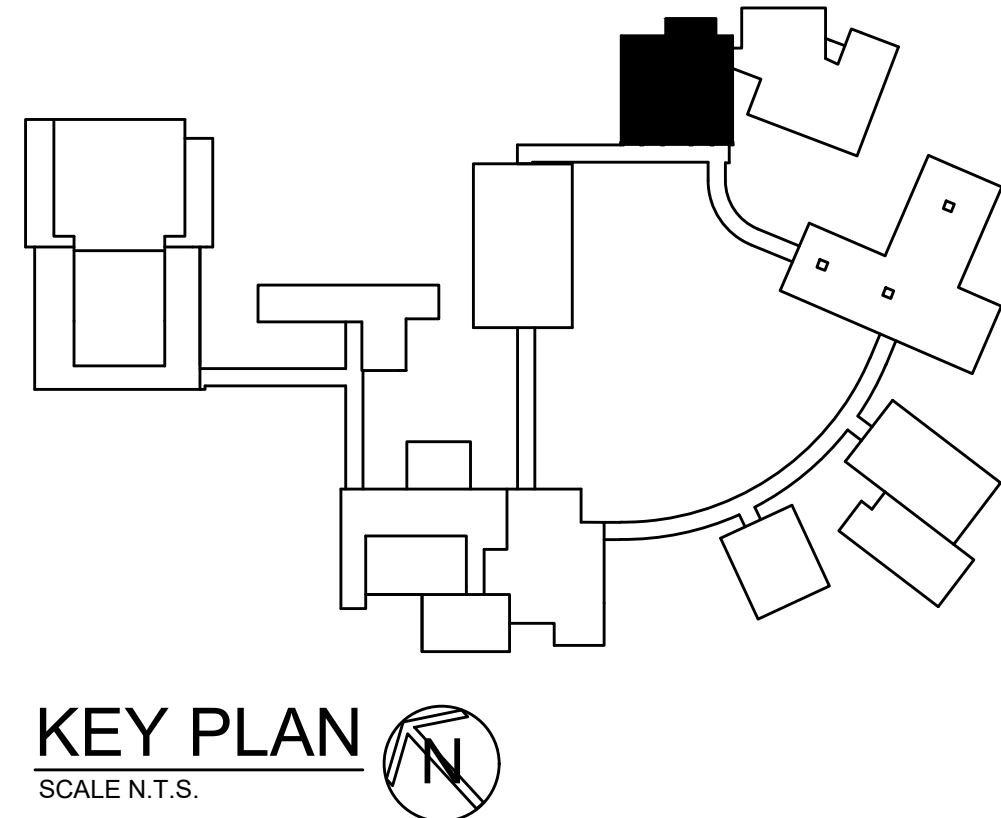
HATCHED AREA INDICATES SUSPENDED CEILING DEMOLITION. CONTRACTOR SHALL DEMOLISH EXISTING LIGHT FIXTURES, RETAIN OTHER CEILING DEVICES, CIRCUIT HOMERUNS, AND CONTROL DEVICES FOR REUSE.

CODED NOTES:

- CONTRACTOR SHALL REMOVE EXISTING EXTERIOR WALL MOUNTED FIXTURE. PREPARE BOX FOR REUSE.
- WALL CABINET HEATER REMOVED BY MECHANICAL CONTRACTOR. DISCONNECT ELECTRICALLY AND SAVE WIRING. PREPARE WIRING FOR RECONNECTION TO NEW WALL CABINET HEATER.



RESOURCE BUILDING FIRST FLOOR ELECTRICAL DEMO PLAN



RESOURCE BUILDING SECOND FLOOR ELECTRICAL DEMO PLAN

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S.E.D. CONTROL NUMBER
66-04-06-03-010-007

PROJECT TITLE
EDGE MOUNT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 11583
DRAWING TITLE
ELECTRICAL DEMOLITION PLAN

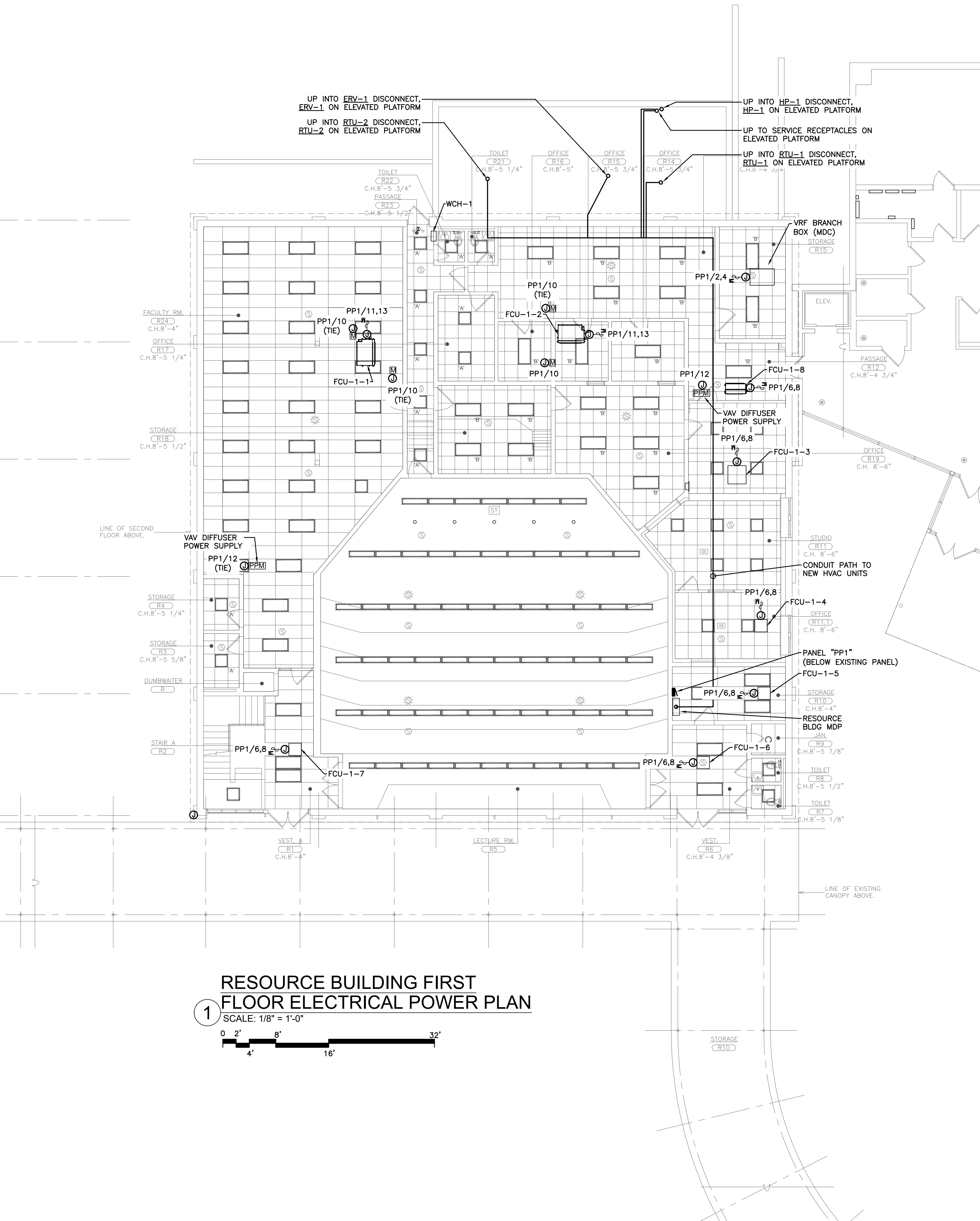
DATE
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BID
SHEET SIZE
30"x42"
SCALE
AS NOTED
DRAWN BY
LFG
DRAWING NO.
E100
FILE NO.
21439.00

NOTES:

1. CONDUIT WALL PENETRATIONS SHALL BE MADE IN ACCORDANCE WITH DETAIL 1 ON SHEET E-001.

CODED NOTES:

- 1 FACTORY DISCONNECT PROVIDED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
- 2 CONTRACTOR SHALL CONNECT EXISTING BRANCH CIRCUIT TO NEW WALL CABINET HEATER. CONTRACTOR SHALL VERIFY VOLTAGE OF BRANCH CIRCUIT TO BE 120V PRIOR TO CONNECTION. CONTRACTOR SHALL VERIFY THE PRESENCE OF AN INSULATED GROUND CONDUCTOR PRIOR TO CONNECTION.

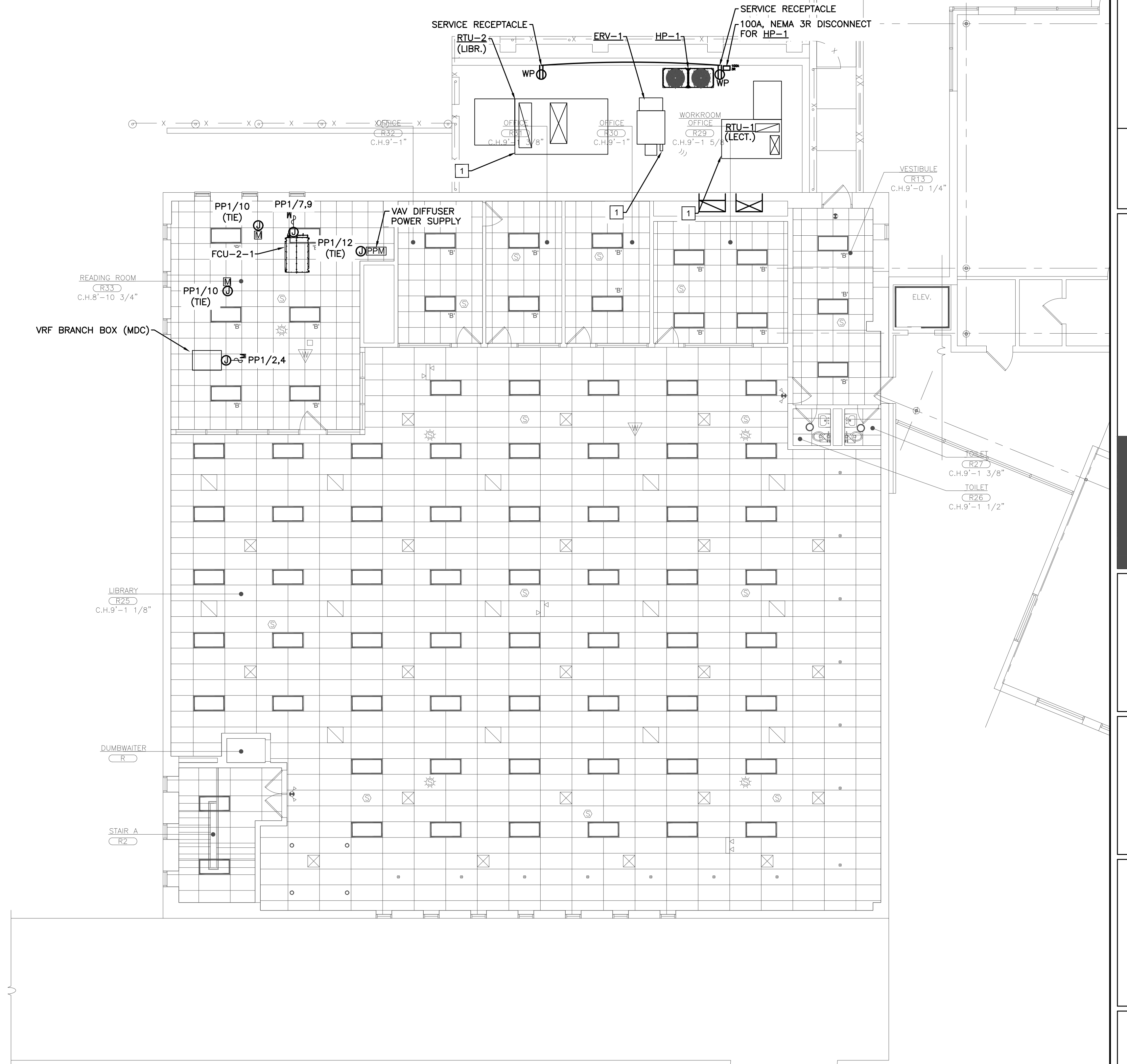


1 RESOURCE BUILDING FIRST FLOOR ELECTRICAL POWER PLAN

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

KEY PLAN

SCALE N.T.S.



2 RESOURCE BUILDING SECOND FLOOR ELECTRICAL POWER PLAN

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

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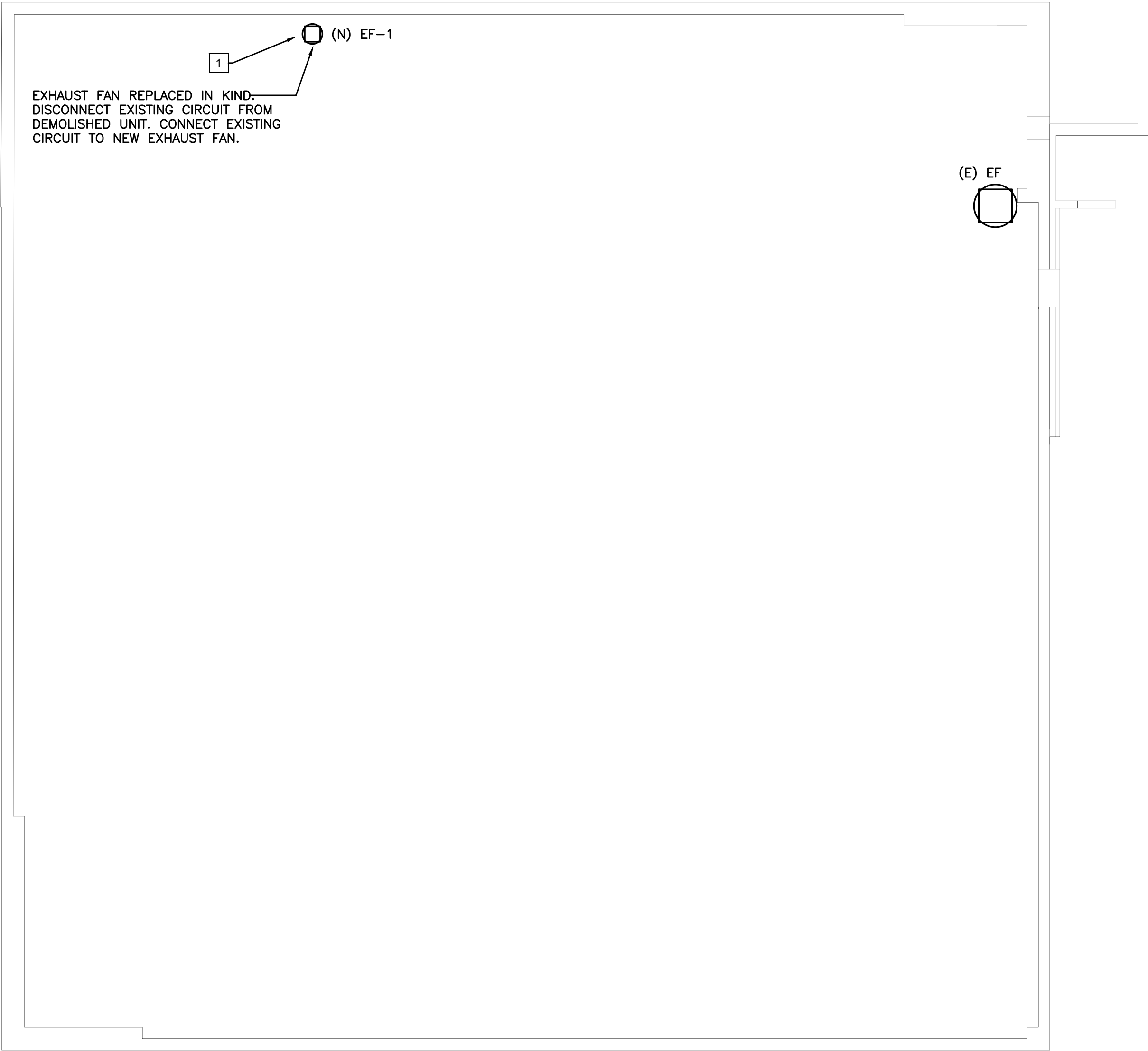
S.E.D. CONTROL NUMBER
66-04-06-03-0-010-007

PROJECT TITLE
EDGE MOUNT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583

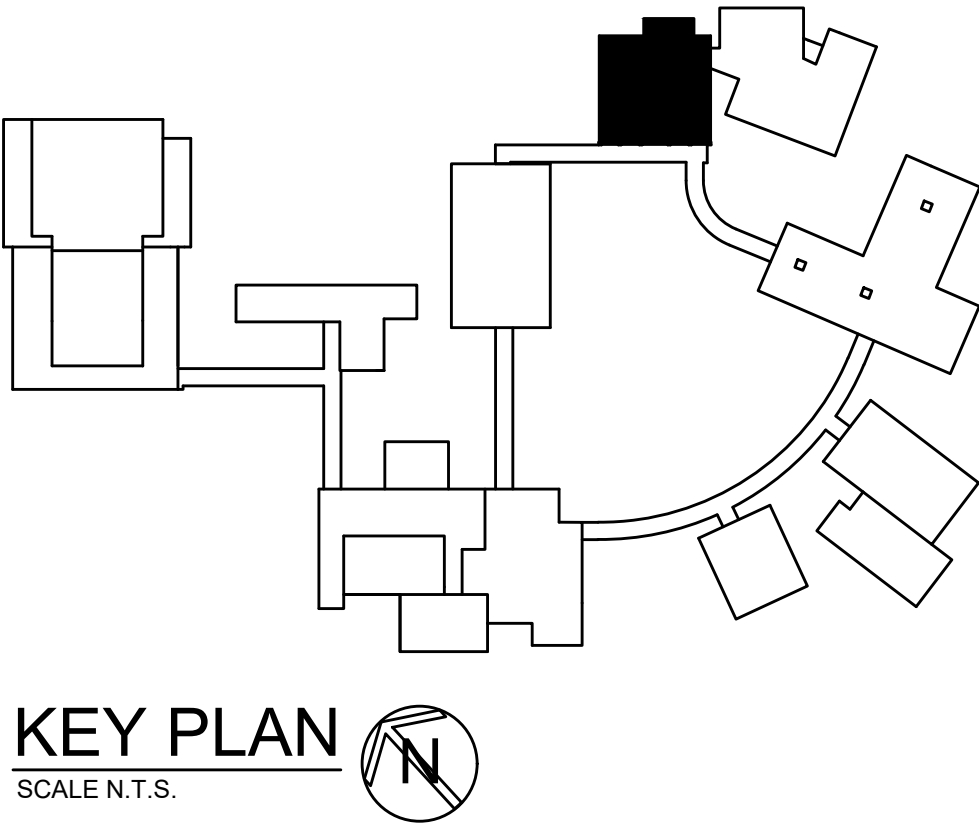
DRAWING TITLE
ELECTRICAL POWER PLAN

DATE	09-08-2022	BID
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SCALE	AS NOTED	E101
DRAWN BY	LFG	FILE NO.
		21439.00

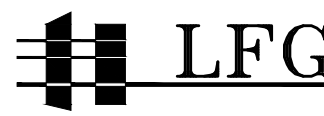
CODED NOTES:
1 FACTORY DISCONNECT PROVIDED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR



1 RESOURCE BUILDING ROOF
ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"
0 2' 4' 8' 16' 32'



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PROJECT: EDC
EDGE MONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 11583

DRAWING TITLE
ELECTRICAL POWER PLAN

09-08-2022	BID
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO.
SCALE AS NOTED	E102
DRAWN BY LFG	FILE NO. 21439.00

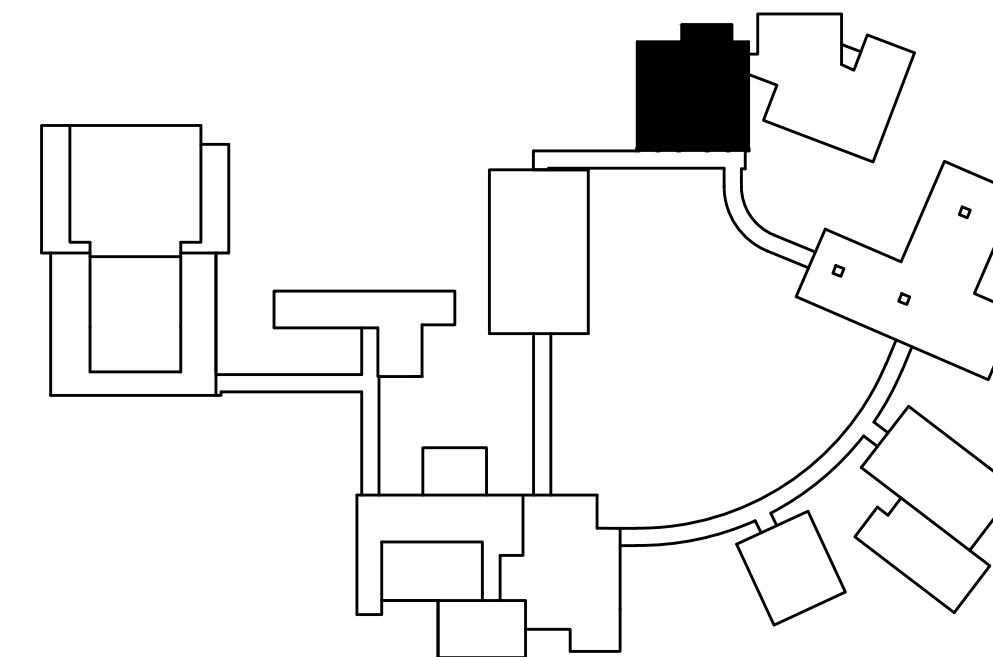
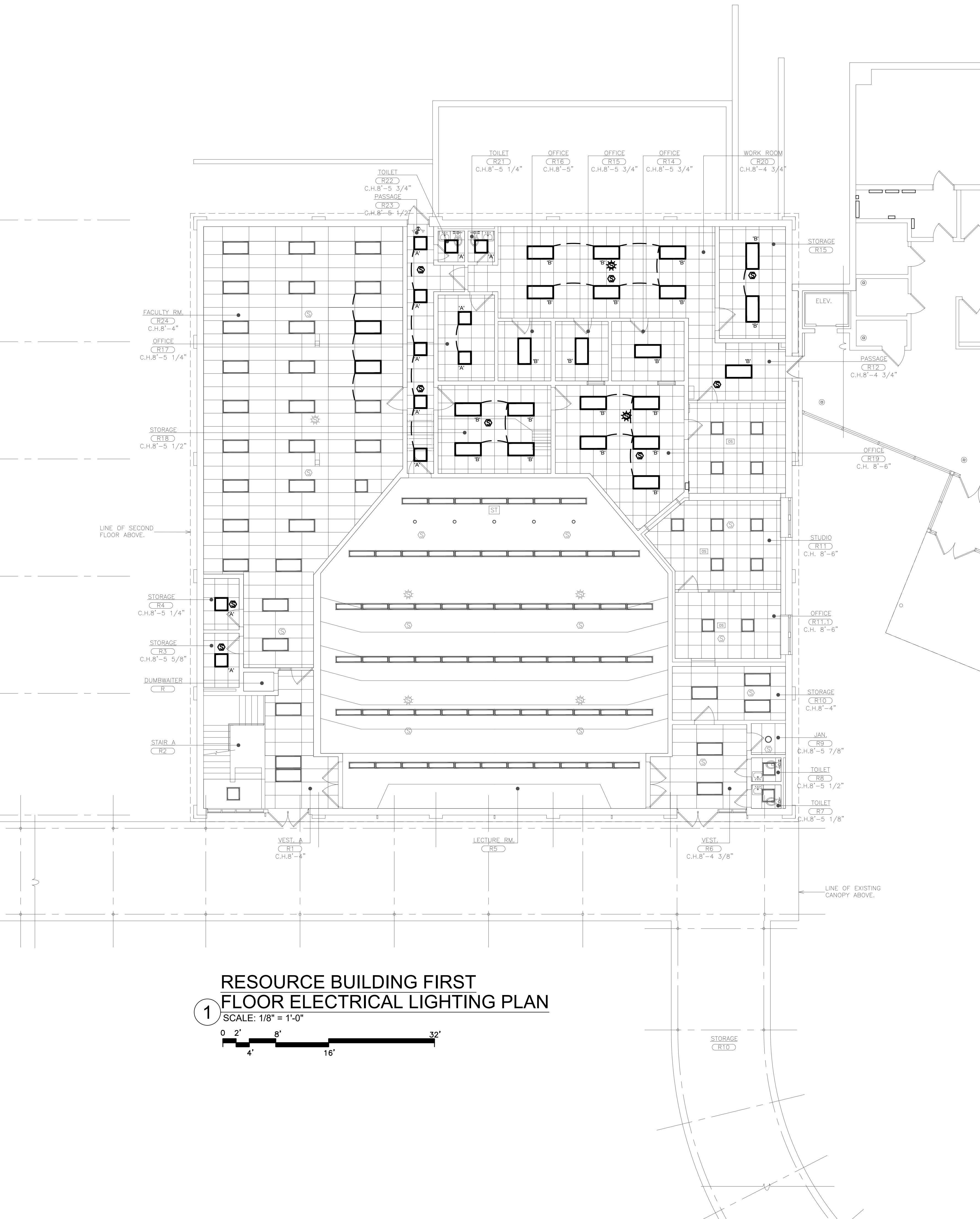
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66-04-06-03-0-010-007

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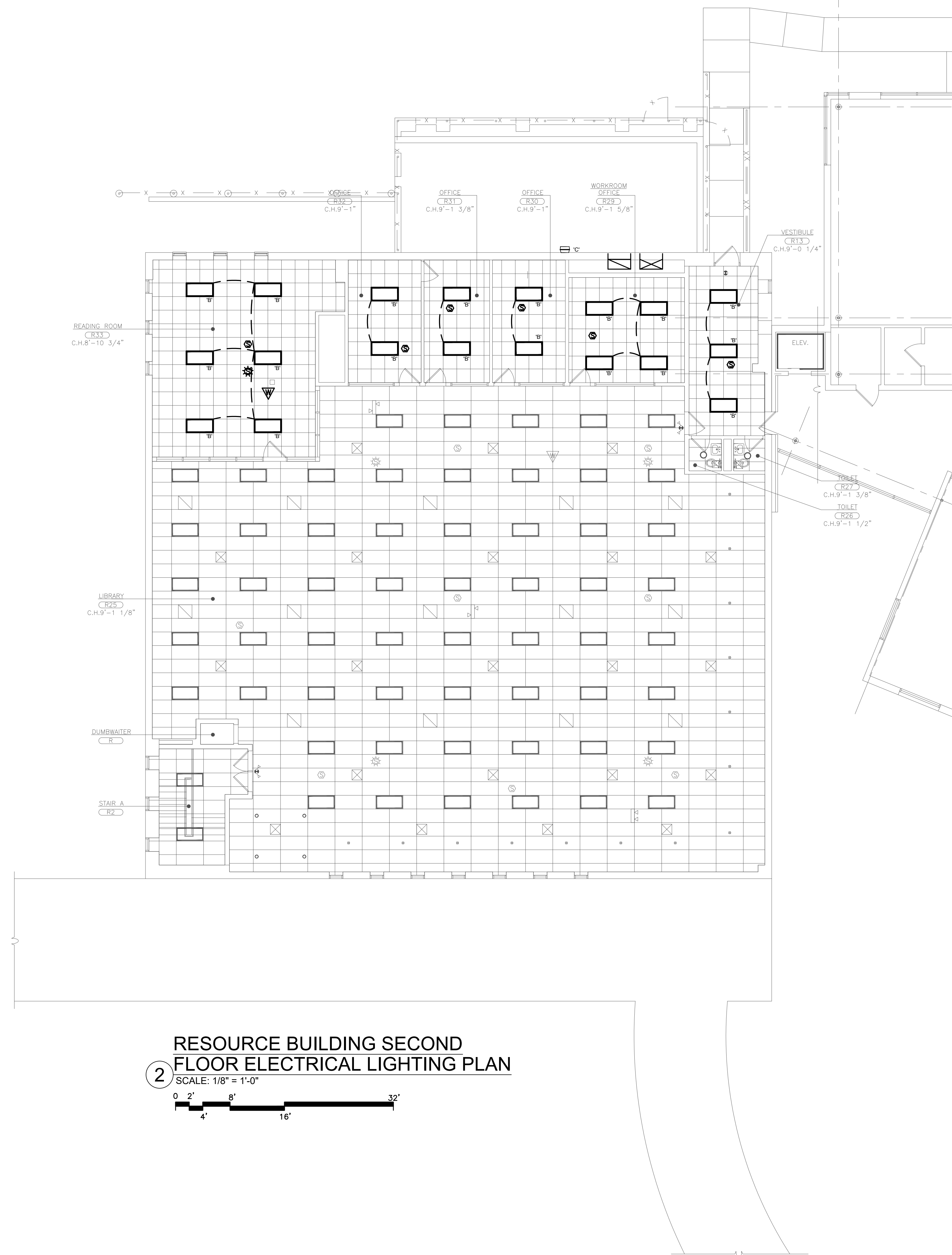
1. CONTRACTOR SHALL REUSE EXISTING CIRCUITING TO CONTROL DEVICES AND HOMERUNS. CONTRACTOR SHALL PROVIDED NEW CIRCUITING BETWEEN FIXTURES AND AS NEEDED.
2. CONTRACTOR SHALL ENSURE EXISTING LIGHTING CONTROL FUNCTIONALITY IS MAINTAINED.
3. CONTRACTOR SHALL PROVIDE 2-#12 AWG & 1-#12 AWG GND FOR LIGHTING BRANCH CIRCUITS.

LEGEND:

-  EXISTING FIXTURE TO REMAIN (LIGHT)
-  NEW FIXTURE (BOLD)
-  EXISTING FIRE ALARM NOTIFICATION DEVICE
-  EXISTING FIRE ALARM SMOKE DETECTOR



KEY PLAN
SCALE N.T.S.



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FULLER
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ARCHITECTS
PLANNERS

S.E.D. CONTROL NUMBER
66-04-06-03-0-010-007

PROJECT: EGMONT SCHOOL DISTRICT
HIGH SCHOOL RESOURCE BUILDING
HVAC UPGRADES AND RELATED WORK
300 WHITE OAK LANE, SCARSDALE, NY 10583

DRAWING TITLE
ELECTRICAL LIGHTING PLAN

09-08-2022
DATE
ISSUED TO
BID

SHEET SIZE
30"x42"

SCALE
AS NOTED

DRAWN BY
LFG

DRAWING NO.
E103

FILE NO.
21439.00

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NEW COMPATIBLE AND ADDRESSABLE FIRE ALARM DEVICES AND ASSOCIATED EQUIPMENT, CABLING AND CONDUIT TO EXISTING FIRE ALARM CONTROL PANEL FOR A FULLY COMPLETE AND OPERABLE SYSTEM.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE BUILDING CODE OF NEW YORK STATE, THE ELECTRICAL CODE OF NEW YORK STATE AND REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.).
3. THE PROPRIETARY BASE BUILDING FIRE ALARM VENDOR IS JOHNSON CONTROLS SIMPLEX GRINNELL.
4. COMPLETE INSTALLATION OF THE FIRE ALARM SYSTEM SHALL BE COORDINATED WITH JOHNSON CONTROLS SIMPLEX GRINNELL, THE BUILDING'S FIRE ALARM SYSTEM VENDOR. EXISTING DEVICES OUTSIDE INDICATED AREA OF WORK TO BE REPLACED OR UPGRADED AS NEEDED TO MEET CODE OR FUNCTIONAL REQUIREMENTS. CONTRACTOR TO VERIFY CAPACITY OF EXISTING FA PANELS AND PROVIDE EXPANSION HARDWARE IF NECESSARY.
5. THE ELECTRICAL CONTRACTOR MUST SUBMIT WIRING DIAGRAMS (PRODUCED BY JOHNSON CONTROLS SIMPLEX GRINNELL) TO THE ENGINEER FOR ANY MODIFICATIONS TO THE FIRE ALARM SYSTEM.
6. THE ELECTRICAL CONTRACTORS BID SHALL INCLUDE TESTING BY THE BUILDING FA VENDOR.
7. ANY RELATED CONNECTION CHARGES AND PROGRAMMING CHARGES SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR'S BID.
8. ALL 120V REQUIREMENTS FOR ADDITIONAL EQUIPMENT REQUIRED BY THE FA CONTRACTOR SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR'S BID.
9. ELECTRICAL CONDUITS SHALL ENTER ONLY AT THE SIDES OR BOTTOM OF THE FIRE ALARM TERMINAL BOXES, CONTROL PANELS ETC, UNLESS DESIGNED AND APPROVED FOR ENTRY ON THE TOP.
10. EXPOSED CONDUITS IN FINISHED AREAS ARE NOT ALLOWED.
11. ALL WIRING TYPES SHALL BE COORDINATED WITH THE BUILDING DEPARTMENT, SHALL BE APPROVED BY THE LOCAL FIRE DEPARTMENT AND ALL AUTHORITIES HAVING JURISDICTION.
12. ALL EXTERIOR WIRING SHALL BE IN RIGID GALVANIZED STEEL CONDUIT. CONTRACTOR SHALL PROVIDE SLEEVE AND SEAL FOR ALL BUILDING PENETRATIONS.

	DUCT SMOKE DETECTOR, WITH WEATHERPROOF ENCLOSURE
	CONTROL RELAY, WITHIN DUCT SMOKE DETECTOR ENCLOSURE
	REMOTE TEST STATION
	FIRE ALARM CONTROL PANEL
	FAN SHUTDOWN
(N)	NEW
(E)	EXISTING TO REMAIN



FIRE ALARM SEQUENCE OF OPERATIONS



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 PLANNERS

S.E.D. CONTROL NUMBER:

DRAWING TITLE
FIRE ALARM FIRST FLOOR PLAN

8-2022	BID
DATE	ISSUED TO

SIZE "x42"	DRAWING NO.
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NOTED

FA100

FILE NO.	21439 00
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