

Purchasing Department 1111 Superior Avenue E. Suite 1800

Cleveland, Ohio 44114

Ph: (216) 838-0418 Fax: (216) 436-5118

July 15, 2020

To: All Vendors

From: Seletha R. Thompson

**Purchasing Analyst** 

Re: Addendum #1 for RFP 21305 - Luis Munoz Marin

Below is Addendum #1 for RFP 21305 - Luis Munoz Marin

This addendum supplements and amends the items in the Specifications. This addendum <u>must be noted</u> on the Addendum Acknowledgement Form found in the RFP. Failing to acknowledge this Addendum on the Addendum Acknowledgement Form may cause the response to be rejected.

This Addendum #1 reflects the following:

- Pre-Proposal Meeting Documents (see attached)
- Response to Questions (see attached)
- Project Specific Documents (see attached)
- Response Due Date Extension

This Addendum shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

Each bidder shall acknowledge receipt of the Addendum in your bid response. Failing to acknowledge this Addendum on the Addendum Acknowledgement Form may cause the response to be rejected.

#### **BID DUE DATE EXTENSION**

Extended from July 24, 2020 to July 28, 2020 at 1:00 PM (EST)

REMINDER: Mailing of RFP responses are encouraged. However, hand deliveries will only be accepted from 11:00 AM to 1:00 PM on July 28, 2020.

#### RFP 21305 - Luis Munoz Marin

#### **Response to Questions**

- 1. Is airflow measurement a requirement for this opportunity **RESPONSE:** Test and Balance of System is required at end of project
- 2. What are the required opening dimensions for the installation site and what are the airflow velocities (min and max) for the AHU

**RESPONSE:** Air velocities are to be determined by proposer and unit manufacturer

3. Can I submit a quote on Air Monitor (not currently listed in the specification) **RESPONSE:** Yes, if desired. District will evaluate all quotes and proposals

## ADDENDUM No. 1

# Cleveland Metropolitan School District Luis Muñoz Marín Elementary School AC-5 RTU Replacement Project 2020

Contents (in order of presentation):

General Instructions
Scope Clarifications
Reference Document Additions
Drawing Document Clarifications
Updated Pre-Proposal Meeting Agenda Notes
Updated Drawing Sheets
Roof Plan Drawing





This Addendum supplements and amends the original and subsequent documents making up the Owner's Project Requirements (OPR) and shall be accounted for in preparing proposals and shall become part of the OPR/Contract Documents. This Addendum is issued to qualified proposers of record. It is the proposer's responsibility to forward this Addendum information to all affected suppliers and subcontractors and/or adjust relative to the proposal.

#### **General Instructions:**

- This Addendum No. 1 is to be acknowledged on the proposal form provided in the Owner's Project Requirements (OPR) documents.
- The proposal date remains Friday, July 24<sup>th</sup> no later than 1:00PM. Refer to Instructions to Proposers document for specific delivery instructions.

#### **Scope Clarifications:**

Ceiling renovations which take place in classrooms where VAV's are being installed is to be
included in the BASE Scope of Work. This includes any / all: lighting, grid/tile, and square
diffusers. Any additional ceiling/lighting work not in these areas is to be included under the
ALTERNATE ALT-1 Scope of Work.

#### **Reference Documents Added:**

• Added Roof Plan drawing for contractor and warranty information. (Page 11)

#### **Drawing Document Clarifications:**

- Sheet <u>M.01</u> (Page 7):
  - Added note to refer to added sheet SC.01 for revised zone CFM totals and VAV schedule.
- Sheet M.02 (Page 8):
  - o Revised HVAC Zone Designations in accordance with sheet SC.01.
- Sheet A.01 (Page 9):
  - Revised Lighting Zone Designations.
- ADDED Sheet SC.01 (Page **10**):
  - Contains RTU HVAC Unit AC-5 zoning schematic, CFM totals and revised VAV schedule.



2305 E Aurora Rd. Unit A7 Twinsburg, Ohio 44087 Phone (330) 998-6695 Fax (330) 998-6794 5577 Airport Hwy., Suite 202 Toledo, Ohio 43615 Phone (855) 272-2421 Fax (419) 727-8600

#### <u>Pre-Proposal Meeting Agenda – NOTES Version</u>

July 8, 2020 (July 15 NOTES)

#### Project:

### Cleveland Metropolitan School Dist. (CMSD) <u>Luis Munoz Marin School – AC-5 RTU HVAC Replacement 2020</u>

1701 Castle Ave., CLEVELAND OH 44113

#### Agenda:

- I. Introductions
  - a. Owner CMSD Cleveland, Ohio
    - i. Bob Kasler, CMSD Trades Director (not in attendance)
    - ii. Seletha Thompson, CMSD Procurement Specialist (not in attendance)
    - iii. Henry Townshend, Site Coordinator
  - b. <u>Criterion Engineer/Owner's Advocate</u> AGM Energy Services
    - i. Andre' T. Goosby, President (not in attendance)
    - ii. Scott Hoffman, Principal
    - iii. Lucas Hoffman, Project Manager
  - c. Potential Bidders (refer to published Sign-in Sheet)

#### II. Goals of Pre-Proposal Meeting – Prepare Proposers for Delivery of Qualified Proposals

- a. Describe Expected Work refer to Bid Form and Owner's Program of Requirements (OPR) Docs posted/distributed this meeting and subsequently distributed.
  - i. BASE Scope:
    - 1. Replacement of Existing Rooftop HVAC Unit with New Equipment/Systems.
    - 2. Includes an ALLOWANCE in the amount of \$10,000 (included w/ Bid)
  - ii. ALT 1 Scope:
    - 1. Provide Replacement of Designated Ceiling Tiles and Lighting Systems.
  - iii. ALT 2 Scope:
    - 1. Propose Three-year Manufacturer-recommended PREVENTATIVE MAINTENANCE Services for HVAC/Electrical Equipment installed.
- b. Describe Anticipated Timeframes
- c. Provide Pre-Proposal Communication pathways
  - i. RFI-style E-mail preferred: to Ms. Seletha Thompson at CMSD w/ copy to AGM Energy Services.
  - ii. Voice: not allowed.

iii. CMSD/AGM will publish all pertinent Non-PROPRIETARY info/answers to RFIs

#### III. Scope of Work

- a. BASE SCOPE Items Included:
  - i. Complete demolition, including any non-anticipated Asbestos, required prep for new unit and new HVAC VAV SYSTEMS Install as noted.
    - 1. Rooftop Packaged Multizone HVAC Unit (AC-5).
    - 2. New Variable Air Volume Terminals served by replaced AC-5.
- b. ALT-1: Replacement of Ceiling Tiles & Lighting Systems in area of upgraded Construction as specified.
- c. ALT-2: RTU HVAC Equipment /Systems Extended Preventative Maintenance 3 years, contracted annually with options for renewal periods.
  - Provide MANUFACTURER-PUBLISHED/RECOMMENDED PREVENTATIVE MAINTENANCE Services for new HVAC/Electrical Equipment based on Manufacturer-recommended means for periods noted.
    - 1. Employ CMSD Work Access/Scheduling & Procedures as specified.
    - 2. Employ CMSD Documentation as specified.
    - 3. Employ CMSD Standard <u>Service Record Labeling</u> (furnished by District) as specified.

#### IV. Project Framework and Delivery

- a. Single Bid Performance Specification Project (This Project is <u>NOT</u> "Plan-&-Spec" construction).
  - Mechanical Prime with appropriate Main Electrical, Structural, Roofing, Plumbing & Low Voltage Electrical, subject to CMSD/AGM reviews, and subsequent approvals.
  - ii. Design & Construction Coordination & full Project Management.
  - iii. Complete Turn-Key Installation Services AND provision of specified Documentation.
  - iv. CMSD DBE/WBE Goals apply.
  - v. CMSD requires Standard Bond for this Work/Proposal

#### V. Owner's Project Requirements (OPR)

- a. Front-End Documents furnished by CMSD
  - i. Instructions & Notices
  - ii. Proposal/Bid Forms
  - iii. Anticipated Forms of Agreement/Supplemental information
  - iv. Community Inclusion Program and other associated requirements documents
- b. Specifications
  - i. Overall Criteria, Descriptions and Boundaries
  - ii. Owner-provided Master Systems Integration/Temperature Controls Equipment for installation by Bidding Contractor.
  - iii. Applicable Supplemental information
- c. Drawings Schematic Not-to-Scale
  - i. As current-as-possible As-Built or known Design documents

#### VI. Anticipated Project Schedule items

a. Proposals Due July 24, 2020, 12:00 p.m., current local time.

- i. Lump Sum Pricing for SPECIFIC Scope & Terms as specified by CMSD Docs.
- ii. Technical Proposal Items Refer to OVERALL Specification Section
  - 1. Equipment/Sub-Contractor Declarations
- b. Pre-Proposal Meeting & Walk-Thrus
  - i. Initial Meeting July 8, 2020
  - ii. Planned Subsequent Times to be determined
    - 1. Others as arranged/pre-approved by CMSD/AGM.
- c. Proposal Evaluations completed July 30, 2020
  - i. Selection Criteria: Best Value of Price, Schedule & Scope/Solution.
- d. Recommendation/Selection of Best VALUE Proposal- Target: July 30, 2020
- e. Target Implementation Phase
  - i. Begin, Upon CMSD Approvals & Valid Notice-to-Proceed by August 20, 2020
  - ii. Complete specified RTU HVAC Replacement work by November 30, 2020.
  - iii. Evaluate Extension of PREVENTATIVE MAINTENANCE Agreement by July 1, 2021 [ALT Service Proposal for execution in 2020-21]
  - iv. Complete DOCUMENTATION for BASE Project Installation by December 31, 2020.

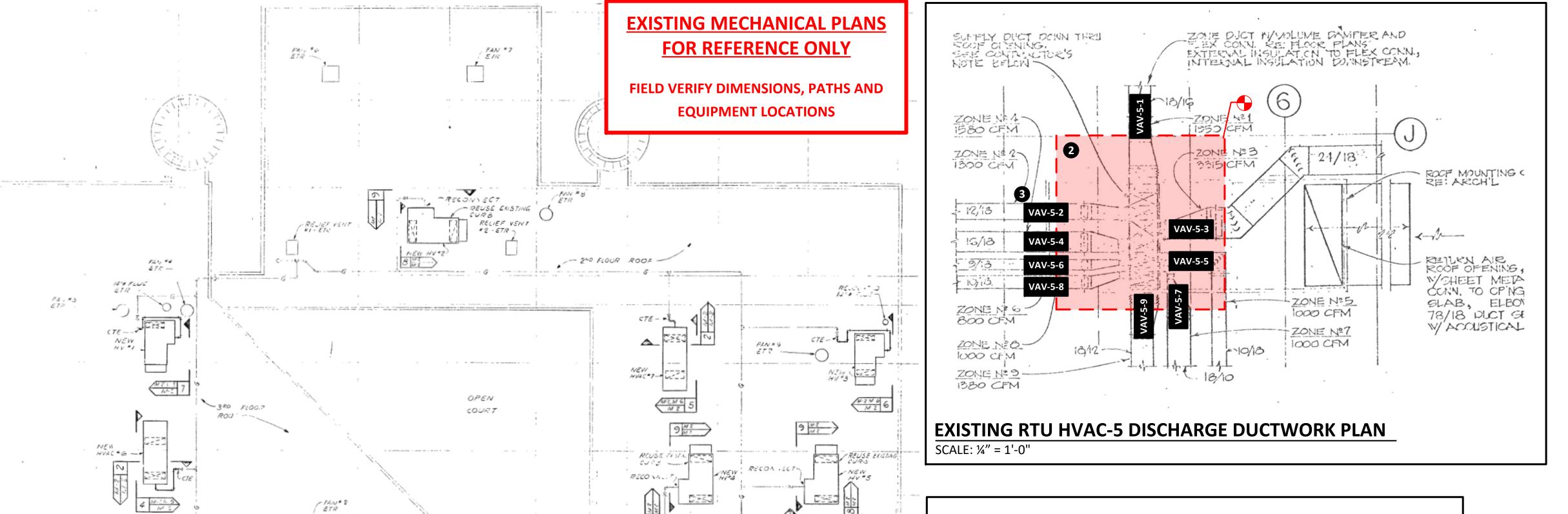
#### VII. Important Discussion Items:

- a. Work Access: building is partially occupied until Memorial Day and fully occupied after August 13, 2020. Field-Construction activities prior to Memorial Day and after August 13 are possible, but limited to days/times/AREAS when standard staff/cleaning/childrenoccupied schedules allow. Non-standard Field-Construction activity Schedules will need to be worked-around (no free access can be planned for, but District is committed to coordination to help process/results)
  - i. Overtime/Shutdown/Weekend Efforts are allowed/expected to complete Scope of Work in time.
  - ii. Parking "limited" at jobsite, unless children are dismissed for calendar breaks.
- b. Security: Background checks and Screening/Badging are required for all personnel anticipated to participate.
- c. Specific Field-Construction & subsequent PREVENTATIVE MAINTENANCE Items:
  - i. Adherence to planned Schedules and Call-Ahead procedures is required.
  - ii. Adherence to known, usual & customary SAFETY procedures is required.
  - iii. Cleanliness daily requirement for all affected areas
  - iv. Adherence to specified DOCUMENTATION procedures is required, including use of Standard CMSD Service Record Labeling.
  - v. Project Meetings
    - 1. Periodic Progress/Update Meetings with District & Key Staff may be required.
- VIII. Questions
- IX. Subsequent Access to School to be confirmed

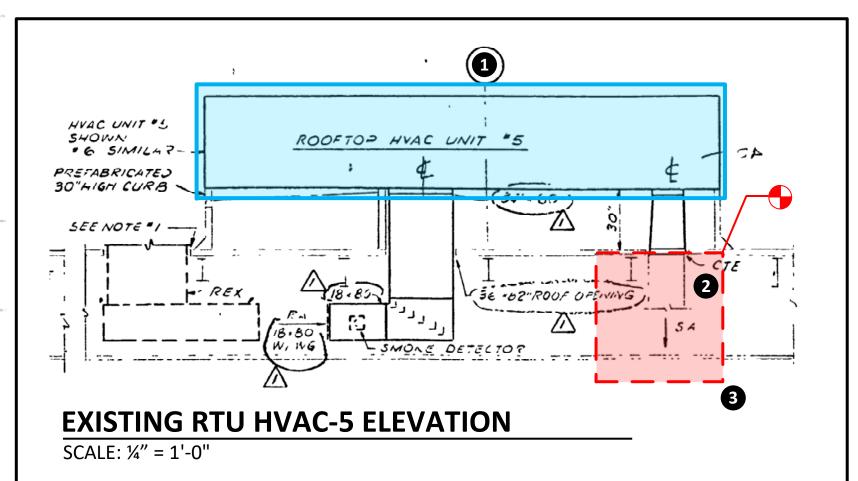
This Meeting Agenda is to be considered a part of the OPR Documents being used to prepare the specified Bids and Documentation required. Please notify the writer if any items are not clear enough as stated or omitted as understood from the discussions.

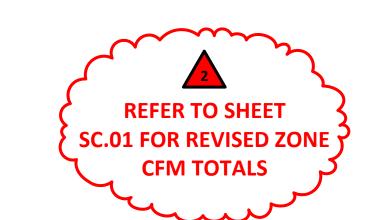
Lucas Hoffman, Project Manager AGM Energy Services, LLC 5577 Airport Highway, Suite 202 Toledo, Ohio 43615 419-320-0336 mobile lhoffman@agmenergyservices.co

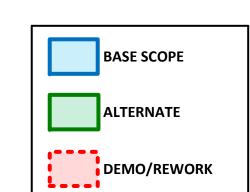
Scott B. Hoffman, Jr., P.E., Principal AGM Energy Services, LLC 5577 Airport Highway, Suite 202 Toledo, Ohio 43615 419-297-6863 mobile shoffman@agmenergyservices.com



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#### **SHEET KEYNOTES:**

- ROOFTOP AIR HANDLING UNIT (AC-5). DEMOLISH **EXISTING UNIT AND SYSTEMS NOT-TO-REMAIN. INTENT IS** TO REUSE AS MUCH EXISTING DUCTWORK AS POSSIBLE. COORDINATE SIZING AND PROVISION OF NEW MATCHING

#### **MECHANICAL NEW WORK GENERAL NOTES:**

- INSTALL ALL NEW EQUIPMENT AND ASSOCIATED DEVICES PER MANUFACTURER'S RECOMMENDATIONS, MAINTAINING REQUIRED CLEARANCES.
- PROVIDE ALL HANGERS, SUPPORTS AND MISCELLANEOUS
- REFER TO SHEET M.02 FOR ADDITIONAL GENERAL MECHANICAL
- DISCONNECT AND MAKE SAFE EXISTING ELECTRICAL FEEDS TO EQUIPMENT OR DEVICES PRIOR TO WORK.
- THE PROPOSER IS RESPONSIBLE FOR DESIGNING AND
- BACKGROUNDS ARE BELIEVED TO BE ACCURATE, THE PROPOSER IS TO FIELD VERIFY DEPICTED ELECTRICAL INFRASTRUCTURE FOR
- METHODS AND IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRIC CODES.

| HVAC-      | 5 VAV SCH  | EDULE  |
|------------|------------|--------|
| <u>TAG</u> | <u>CFM</u> | SIZE   |
| VAV-5-01   | 3315       | VERIFY |
| VAV-5-02   | 1655       | VERIFY |
| VAV-5-03   | 1000       | VERIFY |
| VAV-5-04   | 800        | VERIFY |
| VAV-5-05   | 1000       | VERIFY |
| VAV-5-06   | 1000       | VERIFY |
| VAV-5-07   | 1380       | VERIFY |
| VAV-5-07   | 1380       | VERIFY |

|               |                                  |                  |                           |  |           |                  |                                 |            |          | R             | 0 0           | F       |          | T         | 0    | Р                       | U        | N_                                     | LT    |         | S       | CH             | E D           | U    | LE      |         |         |      |        |          | Charles Market Charles | NASIWANIA TANDANA POWE | diamentary and | national and the second |  |  |  |  |  |
|---------------|----------------------------------|------------------|---------------------------|--|-----------|------------------|---------------------------------|------------|----------|---------------|---------------|---------|----------|-----------|------|-------------------------|----------|--|-------|---------|---------|----------------|---------------|------|---------|---------|---------|------|--------|----------|------------------------|------------------------|----------------|-------------------------|--|--|--|--|--|
|               | SIFIPLY                          | FAN FE           | ERFORM.                   | ANCE                                   | RU<br>1'5 | TUEN F<br>RECKMA | FAN<br>NCE                      | DAS F      | していること   | 2             | ) REFR        | SERA    | LION C   | APACI     | TY   |                         | ELS      | ECTELK                                 | - CH  | ارفرسان | ENST    | CS             | LINIT         |      |         |         | (3) z.c | NE A | R QUA  | WTIT.ES  |                        |                        | KENDI          |                         |  |  |  |  |  |
| リンジュ<br>アングイン | ACEA                             | TOTAL<br>CFM     | FLACENT<br>OUTSIDE<br>AIR | SATIONAL<br>PARTICIONAL<br>PARTICIONAL | TYPE      | CEM              | NE FUNN<br>STATIC<br>FRES. NA G | MBH<br>OUT | ENT. LVG | TOTAL<br>MEH. | SENS<br>M.B.F | (4) ENT | AR<br>AB | (4) LV. A | 本ろ   | OUTSIDE<br>DESIGN<br>DE | SAFAY    | SETUKN<br>FAN                          | L'ATT | volta:  | SE PASE | N2 CF<br>ZONES | LINIT<br>MARK | l    | 2       | 5 4     | 5       | آھ   | 7      | 8 3      | 10                     | 11                     | 14             | Model                   |  |  |  |  |  |
| ivac‡1        | IST FLOCK<br>NORTH               | 9,500            | 20%                       | 1.0                                    |           |                  |                                 | 438        | 6C  02   | 275           | 215           | 80.0    | 67.C     | 54.C      | 56.1 | 89.0                    | 10       | errore de la companya de la constanta. | 76.3  | 460     | 3.\$    | 12             | HVACTI        | နဏ   | 700 8   |         | 0 600   |      | 900    |          | 1                      | 800 7                  | co  :          | RMA-2                   |  |  |  |  |  |
| 1×4c †2       | IST FLOOR<br>SOUTH               | 13,500<br>13,500 |                           | 0.6                                    | CENT.     | 8100             | 0.4                             | 652        | ec 104   | ·341          | 278           |         |          | 60.9      | 59.3 | 1                       | 15       | 3                                      | 100.9 |         |         | 7              | HVAC†2        | 1200 | 1000 17 |         | 2001 a  |      |        |          | 1                      |                        | _]             | RMA:                    |  |  |  |  |  |
| IVAC#3        | 242 FLOOR<br>NORTH               | 13,500           |                           | 0.6                                    | †         | 1 1              |                                 |            | †   †    | 298           | 263           |         |          | 61.9      | 60.3 |                         | +        | 1                                      | 91.9  |         |         | 11             | HVAC#3        | 1200 | 900, 13 | 300 100 | 0000    | 1100 | 1290 1 | ECC 600  | 3310                   | 800                    | F              | RMA-1                   |  |  |  |  |  |
| 1VAC#4        | SOUTH<br>SOUTH                   | 13,500           | ,                         | ୦.ଚ                                    |           |                  |                                 |            |          | 1             | 263           |         |          | 61.9      | 60.3 |                         |          |  | Ť     |         |         | 8              | HVAC†4        | 1000 | 1200 12 | 180 127 | D. 1000 | 510  | 2720 4 | 122c —   |                        | _                      |                |                         |  |  |  |  |  |
| ivac†5        | SSIFLOOR,<br>NORTH               | 13,500           |                           | 0.4                                    |           |                  |                                 |            |          |               | 263           |         |          | 61.9      | 60.3 |                         |          |  |       |         | ,       | 9              | HVACTS        | 2050 | 1300 3  | 315 185 | 5 1000  | 800  | 1000   | CCC 1580 | -                      | -                      | -              |                         |  |  |  |  |  |
|               | かった」ま<br>かった」ま                   | 13,500           | <b>,</b>                  | 0.4                                    | +         | <b></b>          | ļ                               | +          | <u> </u> | 1_+           | 263           | +       | <u> </u> | 61.9      | 60.3 | +                       | <b>,</b> |  | 1     |         |         | 10             | HVACTO        | 1000 | 1000 9  | 90 loc  | n 3330  | 1100 | 900 1  | CCC 1501 | 1630                   |                        |                |                         |  |  |  |  |  |
| !vac#7        | MJSIC<br>DEPT                    | 13.500           | 20%                       | 0.4                                    | CENT.     | 8100             | 0.4                             | 652        | 6C 104   | 298           | 263           | 80.0    | 67.C     | 61.9      | 60.3 | 89.0                    | 15       | 3                                      | 91.9  |         |         | 8              | HVAC#7        | 450C | 4170 9  | 25  148 | 5 935   | 1485 |        |          | _                      | 1-1-                   | -1             | RMAN                    |  |  |  |  |  |
| iv ti         | MUSIC<br>DEPT<br>KITCHEN<br>HOOD | 9.500            | 100%                      | 0.6                                    |           |                  |                                 | 652        | 0 63.    |               |               |         |          |           |      |                         | 10       |  | 14.7  |         |         |                | H~#I          | _    |         |         |         |      |        |          |                        |                        | :              | 33H-1                   |  |  |  |  |  |
| l∨ #2         | SHOPS                            | 20,000           | 5C %                      | . †                                    | CENT.     | 1000             | 0.6                             | 975        | 45 82 8  |               |               |         |          |           |      |                         | 25       | 5                                      | 43.9  |         |         |                | HV +2         |      | -       | _   _   |         |      | -      |          |                        |                        | _ ] i          | RSH-2                   |  |  |  |  |  |
| !v #3         | LOCKER<br>ROOMS                  | 9,500            | CC 7.                     |  | CENT.     | 7600             | 0.4                             | 652        | 60 164   |               |               |         |          | _         |      |                         | 10       | 3                                      | 18.8  |         |         | -              | HV#3          |      |         |         |         |      |        |          |                        |                        | F              | RCHIE                   |  |  |  |  |  |
| i∨ #4         | GYM                              | 20,000           | 2C %                      |  | CENT      | 16000            | 0,6                             | 975        | 60 104   |               |               |         |          |           | -    | · ·                     | 25       | 10                                     | 49.7  | -       |         | _              | HV#4          |      |         |         |         | -    |        |          |                        |                        | -              | ROH 2                   |  |  |  |  |  |
| 1V 75         | GYM                              | 20,000           | 20%                       | 0,6                                    | CENT.     | 16000            | 0.6                             | 975        | 60 104   |               |               |         |          |           |      |                         | 25       | 10                                     | 49.7  | 460     | 34      |                | HV#5          |      |         | _   _   |         |      |        |          |                        | _                      |                | REH.                    |  |  |  |  |  |

**EXISTING RTU SCHEDULE** NO SCALE

SCALE: 1/16" = 1'0"

**EXISTING MECHANICAL ROOF PLAN** 



**ROOFTOP UNIT AC-5** 

TRICT:

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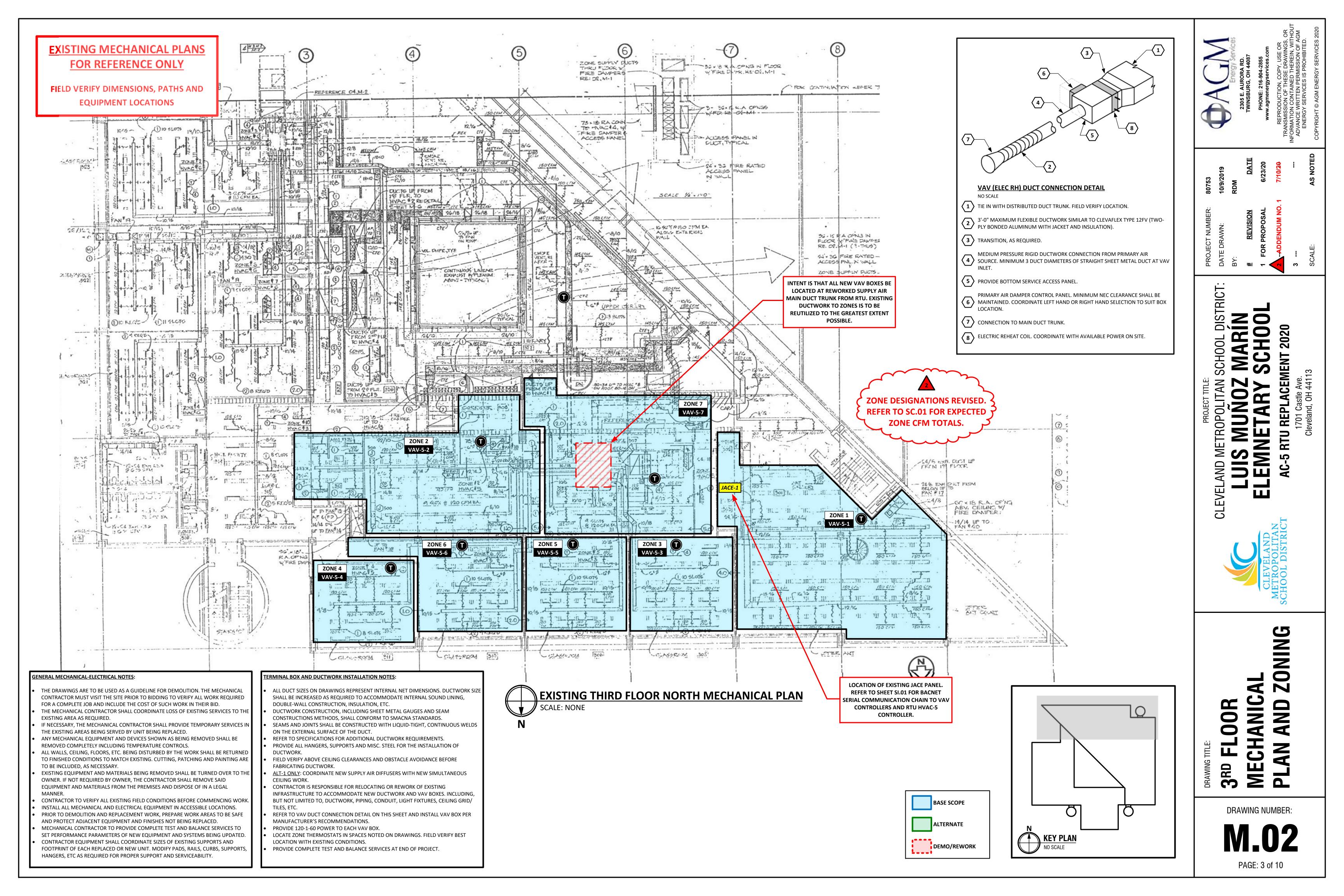
DUCTWORK FOR NEW VARIABLE AIR VOLUME TERMINALS.

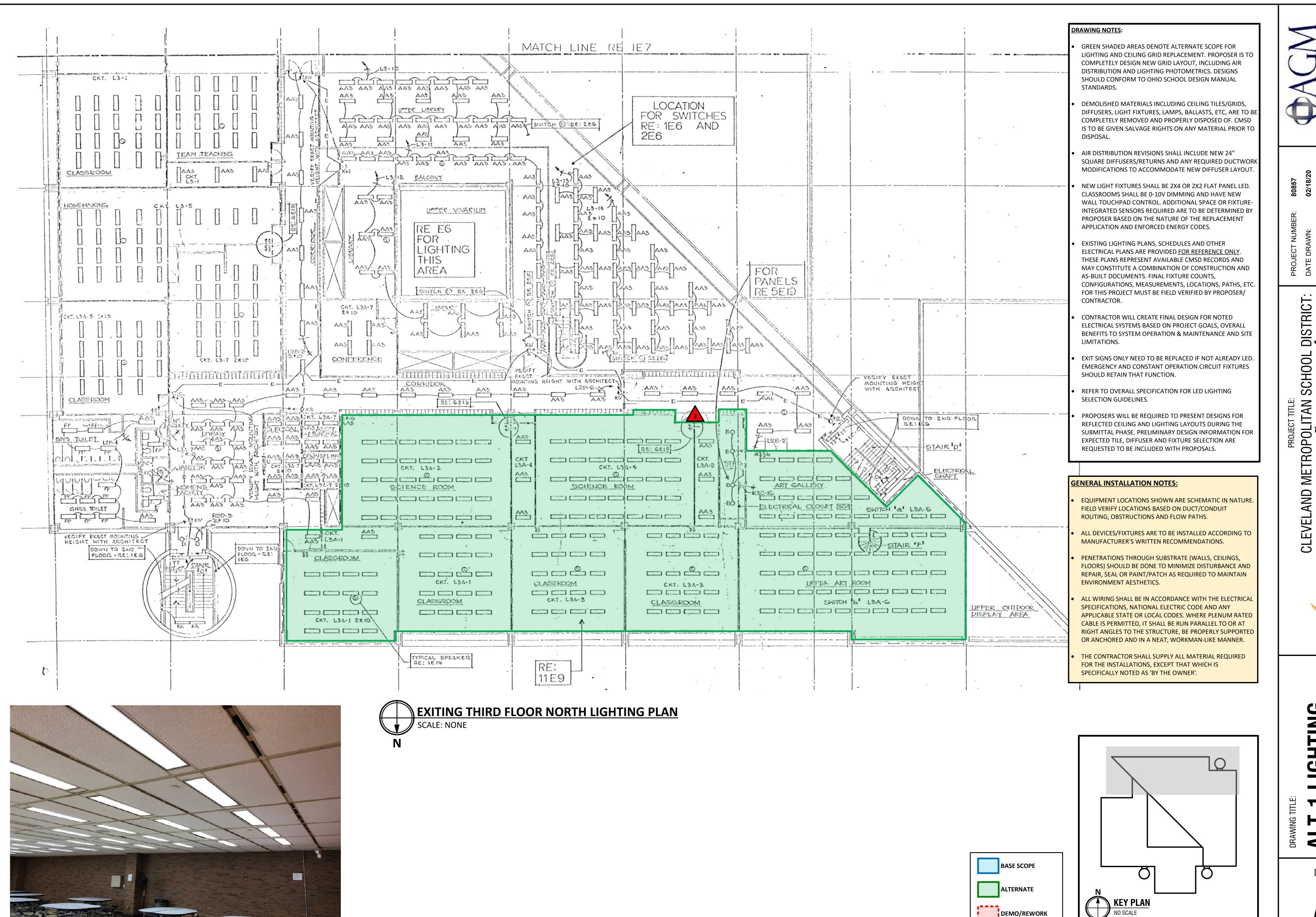
**DISTRIBUTION BELOW NEW HVAC-5 UNIT.** 

AND VAV INSTALLATION NOTES AND DETAILS.

**ELECTRICAL WORK GENERAL NOTES:** 

- IMPLEMENTING ANY ELECTRICAL SYSTEM MODIFICATIONS REQUIRED FOR POWERING HVAC EQUIPMENT AND SYSTEM CONTROLS.
- WHILE THE PROVIDED EXISTING MECHANICAL PLAN
- ELECTRICAL INSTALLATIONS AND MODIFICATIONS ARE TO BE





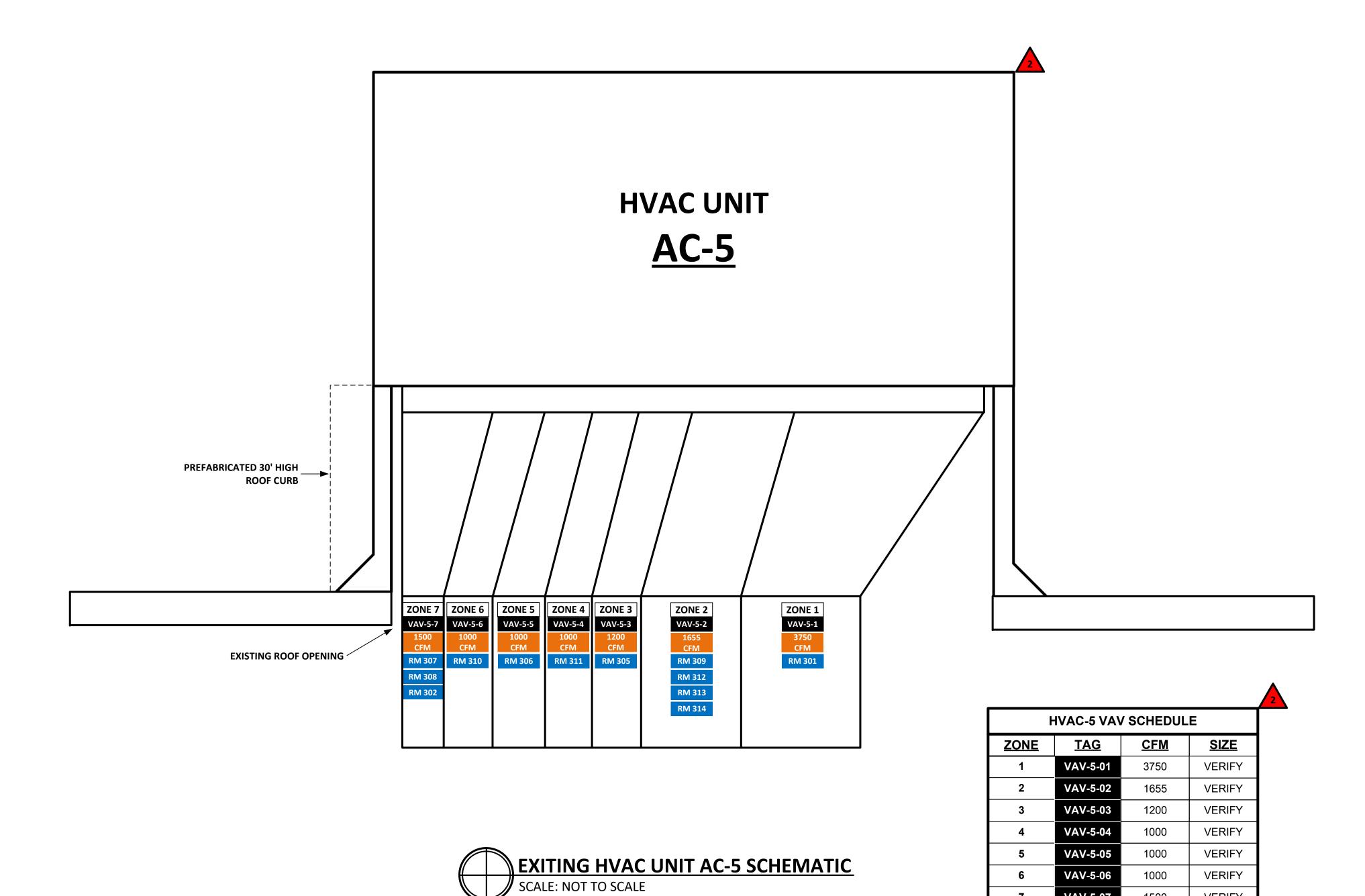




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#### **DRAWING NOTES**:

- AIR DISTRIBUTION REVISIONS SHALL INCLUDE NEW 24" SQUARE DIFFUSERS/RETURNS AND ANY REQUIRED DUCTWORK MODIFICATIONS TO ACCOMMODATE NEW DIFFUSER LAYOUT.
- NEW LIGHT FIXTURES SHALL BE 2X4 OR 2X2 FLAT PANEL LED. CLASSROOMS SHALL BE 0-10V DIMMING AND HAVE NEW WALL TOUCHPAD CONTROL. ADDITIONAL SPACE OR FIXTURE-INTEGRATED SENSORS REQUIRED ARE TO BE DETERMINED BY PROPOSER BASED ON THE NATURE OF THE REPLACEMENT APPLICATION AND ENFORCED ENERGY CODES.
- CONTRACTOR WILL CREATE FINAL DESIGN FOR NOTED ELECTRICAL SYSTEMS BASED ON PROJECT GOALS, OVERALL BENEFITS TO SYSTEM OPERATION & MAINTENANCE AND SITE LIMITATIONS.
- EMERGENCY AND CONSTANT OPERATION CIRCUIT FIXTURES SHOULD RETAIN THAT FUNCTION.
- SELECTION GUIDELINES.
- PROPOSERS WILL BE REQUIRED TO PRESENT DESIGNS FOR REFLECTED CEILING AND LIGHTING LAYOUTS DURING THE SUBMITTAL PHASE. PRELIMINARY DESIGN INFORMATION FOR EXPECTED TILE, DIFFUSER AND FIXTURE SELECTION ARE REQUESTED TO BE INCLUDED WITH PROPOSALS.

#### **GENERAL INSTALLATION NOTES:**

VERIFY

1500

11105

**VAV-5-07** 

TOTAL:

- EQUIPMENT LOCATIONS SHOWN ARE SCHEMATIC IN NATURE. FIELD VERIFY LOCATIONS BASED ON DUCT/CONDUIT ROUTING, OBSTRUCTIONS AND FLOW PATHS.
- ALL DEVICES/FIXTURES ARE TO BE INSTALLED ACCORDING TO MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- PENETRATIONS THROUGH SUBSTRATE (WALLS, CEILINGS, FLOORS) SHOULD BE DONE TO MINIMIZE DISTURBANCE AND REPAIR, SEAL OR PAINT/PATCH AS REQUIRED TO MAINTAIN
- ALL WIRING SHALL BE IN ACCORDANCE WITH THE ELECTRICAL SPECIFICATIONS, NATIONAL ELECTRIC CODE AND ANY APPLICABLE STATE OR LOCAL CODES. WHERE PLENUM RATED CABLE IS PERMITTED, IT SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO THE STRUCTURE, BE PROPERLY SUPPORTED

- GREEN SHADED AREAS DENOTE ALTERNATE SCOPE FOR LIGHTING AND CEILING GRID REPLACEMENT. PROPOSER IS TO COMPLETELY DESIGN NEW GRID LAYOUT, INCLUDING AIR DISTRIBUTION AND LIGHTING PHOTOMETRICS. DESIGNS SHOULD CONFORM TO OHIO SCHOOL DESIGN MANUAL STANDARDS.
- DEMOLISHED MATERIALS INCLUDING CEILING TILES/GRIDS, DIFFUSERS, LIGHT FIXTURES, LAMPS, BALLASTS, ETC, ARE TO BE COMPLETELY REMOVED AND PROPERLY DISPOSED OF. CMSD IS TO BE GIVEN SALVAGE RIGHTS ON ANY MATERIAL PRIOR TO DISPOSAL.
- EXISTING LIGHTING PLANS, SCHEDULES AND OTHER ELECTRICAL PLANS ARE PROVIDED <u>FOR REFERENCE ONLY</u>. THESE PLANS REPRESENT AVAILABLE CMSD RECORDS AND MAY CONSTITUTE A COMBINATION OF CONSTRUCTION AND AS-BUILT DOCUMENTS. FINAL FIXTURE COUNTS, CONFIGURATIONS, MEASUREMENTS, LOCATIONS, PATHS, ETC. FOR THIS PROJECT MUST BE FIELD VERIFIED BY PROPOSER/ CONTRACTOR.
- EXIT SIGNS ONLY NEED TO BE REPLACED IF NOT ALREADY LED.
- REFER TO OVERALL SPECIFICATION FOR LED LIGHTING

- ENVIRONMENT AESTHETICS.
- OR ANCHORED AND IN A NEAT, WORKMAN-LIKE MANNER.
- THE CONTRACTOR SHALL SUPPLY ALL MATERIAL REQUIRED FOR THE INSTALLATIONS, EXCEPT THAT WHICH IS SPECIFICALLY NOTED AS 'BY THE OWNER'.

TRICT

**ZONING** SCHEMATIC AND SECTION r P AC. DU

DRAWING NUMBER:

SC.01

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