



This addendum is hereby made part of the Contract Documents as though it were originally included therein and must be acknowledged by the bidder in the proper place on the bid form.

Project Manual – VOL I

1. **Reference Form of Proposal: Contract No. 2 – Mechanical**
 - A. **DELETE** in its entirety. **SUBSTITUTE** the attached revised Form of Proposal for Contract No. 2 – Mechanical.
2. **Reference Form of Proposal: Contract No. 3 – Plumbing**
 - A. **DELETE** in its entirety. **SUBSTITUTE** the attached revised Form of Proposal for Contract No. 3 – Plumbing.
3. **Reference Form of Proposal: Contract No. 4 – Electrical**
 - A. **DELETE** in its entirety. **SUBSTITUTE** the attached revised Form of Proposal for Contract No. 3 – Plumbing.
4. **Reference Specification Section 00 2113 – information for Bidders**
 - A. Request for Information Form – **DELETE** “Steve Shockley sshockley@thebcgroup”. **SUBSTITUTE** “Taylor Woolf twoolf@thebcgroup.com”.
5. **Reference Specification Section 01 1000 – Summary – Multi Contract**
 - A. Article 1.09, Paragraphs A., 3. – **DELETE** in its entirety.
 - B. Article 1.10:
 - 1) Paragraph A., 4., a.: **DELETE** “09 9000 – Paints and Coatings”. **SUBSTITUTE** “09 9123 – Interior Painting”.
 - 2) Paragraph A., 5. – **DELETE** in its entirety.
 - C. Article 1.11, Paragraph A., 3., b. – **DELETE** “GC”. **SUBSTITUTE** “RC”.
 - D. Article 1.13:
 - 1) Paragraph 8., a. – **DELETE** “GC”. **SUBSTITUTE** “RC”.
 - 2) Paragraph 9. – **DELETE** “except as follows”. **SUBSTITUTE** “except as identified in Section 01 7329 or as follows”.
6. **Reference Specification Section 01 2100 – Allowances:**
 - A. Article 1.03, Paragraph D. – **ADD** the following:
“3. *Bid Item No. 3 – MPR A/V Equipment Allowance: The Electrical Contractor shall include in the Total Base Bid a cash allowance in the amount of \$40,000.00 for materials and labor for the video system/equipment and associated sound system within the Multi-Purpose Room.*”

Project Manual – VOL II

7. **Reference Table of Contents**
 - A. Division 10 Specialties – **DELETE** “Plastic”. **SUBSTITUTE** “Phenolic”.
8. **Reference Specification Section 08 1213 – Hollow Metal Frames**
 - A. Article 2.02, Paragraphs B., 1., and C. 1. – **DELETE** “Knock down type”. **SUBSTITUTE** “Fully welded”.
 - B. Article 2.06, Paragraph B. – **DELETE** underline and “09 9000 – Painting and Coating. Interior, exterior or both?”. **SUBSTITUTE** “09 9123 – Interior Painting”.
9. **Reference Specification Section 08 3313 – Coiling Counter Doors**
 - A. Article 2.03, Paragraph C. – **ADD** the following “Provided by manufacturer.”



10. **Reference Specification Section 08 3615 – Rolling Counter Fire Door**
 - A. **DELETE** in its entirety. **SUBSTITUTE** the attached revised Section 08 3615 – Rolling Counter Fire Door.

11. **Reference Specification Section 08 4313 – Aluminum Framed Storefronts**
 - A. Article 2.04, E. – **ADD** the following:
 2. *Glass: 1 inch total thickness.*
 3. *Airspace: Argon filled.*
 - B. Article 2.08, Paragraph A., 2. b. – **DELETE** “*tin plated steel U channel*”. **SUBSTITUTE** “*warm edge type*”.

12. **Reference Specification Section 08 5113 – Aluminum Windows**
 - A. Article 1.09, Paragraph D. – **DELETE** in its entirety.
 - B. Article 2.03, Paragraph B. – **DELETE** in its entirety.
 - C. Article 2.05, Paragraph B. – **DELETE** in its entirety.
 - D. Article 2.06, Paragraph B. – **DELETE** in its entirety.
 - E. Article 2.07, Paragraph A., 2. – **DELETE** “*Continuous aluminum, no corner keys,*”. **SUBSTITUTE** “*warm edge,*”.
 - F. Article 2.09, Paragraph A. – **DELETE** “*12 2113 – Horizontal Louver Blinds and Roller Shades*”. **SUBSTITUTE** “*12 2123 – Roller Shades*”.
 - G. Article 3.03 – **ADD** the following:
 - C. *Field verify existing conditions to confirm columns or other building components do not fall within glass lines. Report to Architect prior to submitting Shop Drawings.*

13. **Reference Specification Section 10 1424 – Signage**
 - A. Article 2.02, Paragraph A. – **ADD** the following:
 - g. *Provide one (1) new sign for each new space within the construction work areas.*

14. **Reference Specification Section 10 2113.19 – Phenolic Toilet Compartments**
 - A. Article 2.03, Paragraphs F. and G. – **DELETE** in their entirety.

15. **Reference Specification Section 10 5100 – Lockers**
 - A. Article 2.02, Paragraph A., 3. – **ADD** to the end of the paragraph: “*Fully welded.*”

16. **Reference Specification Section 11 4000 – Food Service Equipment**
 - A. Article 2.01, Paragraph B., 3. – **DELETE** “3.” **SUBSTITUTE** “a.” and indent paragraph.

17. **Reference Specification Section 12 2123 – Roller Shades**
 - A. Top of Page 1 - **DELETE** the word “*REPLACE*” (red text).
 - B. Article 2.03, Paragraph A. – **ADD** the following after “*UV blockage.*”: “*1 to 2 percent open.*”

18. **Reference Specification Section 22 1006 – Plumbing Piping Specialties**
 - A. Article 1.04, Paragraph A. – **DELETE** “*Submittal Procedures*”. **SUBSTITUTE** “*Administrative Requirements for submittal procedures.*”

19. **Reference Specification Section 23 0593 – Testing, Adjusting, and Balancing for HVAC**
 - A. Article 1.02, Paragraph B. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - A. *Section 23 0900 – Building Automation System*”.

20. **Reference Specification Section 23 0719 – HVAC Piping Insulation**
 - A. Article 3.03, Paragraph A, B. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - A. *Heating Systems:*
 1. *Heating Water Supply and Return: Glass Fiber, 1-1/2” on pipes 1-1/4” and less. 2” on pipes 2” and more.*



2. *Glycol Heating Supply and Return: Glass Fiber, 1-1/2" on pipes 1-1/4" and less. 2" on pipes 2" and more.*
 - B. **Cooling Systems:**
 1. *Condensate Drains from Cooling Coils: Glass Fiber, 1-1/2" on pipes 1-1/4" and less.*
 2. *Refrigerant Suction: Closed Cell, 1" on pipes 1-1/4" and less.*
 3. *Refrigerant Hot Gas: Closed Cell, 1" on Pipes 1-1/4" and less."*
- 21. Reference Specification Section 23 0900 – Building Automation System**
- A. Article 1.01, Paragraph A. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - "A. *The Owner will furnish all Trane control devices that are included in this section by OGS/GSA contract. The Mechanical Contractor will be responsible for contracting with the temperature controls provider for wiring, programming, commissioning, etc. This sub-Contract will be covered in the Mechanical Contract Allowance, "Bid Item No. 3 – Building Controls Labor Allowance". The Mechanical Contractor shall also be responsible for installing control components in the piping and duct work systems, such as but not excluding the following: Automatic Control Dampers, Automatic Control Valves, Temperature Sensing Thermal Wells and Pressure Control Sensing Taps. The Temperature Controls Contractor (TCC) shall be a factory trained and authorized Trane Controls provider"*.
- 22. Reference Specification Section 23 3300 – Air Duct Accessories**
- A. Article 1.02, Paragraph B. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - "B. *Section 23 3700 – Air Outlets and Inlets"*.
- 23. Reference Specification Section 23 5223 – Cast-Iron Boilers**
- A. Article 1.02, Paragraph A. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - "A. *Section 23 0900 – Building Automation System"*.
- 24. Reference Specification Section 23 5519 – Meters and Gauges for HVAC Piping**
- A. Article 1.02, Paragraph A. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - "A. *Section 23 0900 – Building Automation System"*.
- 25. Reference Specification Section 23 5700 – Heat Exchanges for HVAC**
- A. Article 1.05, Paragraph B. – **DELETE** "for _____".
- 26. Reference Specification Section 23 8129 – Variable Refrigerant Flow HVAC Systems**
- A. Article 1.02, Paragraph A. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - "A. *Section 23 0900 – Building Automation System"*.
- 27. Reference Specification Section 26 5100 – Interior Lighting**
- A. Article 1.02, Paragraph D. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - "D. *Section 26 0940 – Wireless Lighting Control System"*.
- 28. Reference Specification Section 26 5600 – Exterior Lighting**
- A. Article 1.02, Paragraph C. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - "C. *Section 26 0940 – Wireless Lighting Control System"*.
- 29. Reference Specification Section 312000 – Earthmoving**
- A. Article 1.01, Paragraph D., 3. – **DELETE** in its entirety. **SUBSTITUTE** the following:
 - "3. *Section 321150 – Hot Mixed Asphalt Paving"*.
- 30. Reference Specification Section 329300 – Landscaping**
- A. Page 1, Title – **DELETE** "024116". **SUBSTITUTE** "329300".



Contract Drawings – VOLUME I

31. Reference Contract Drawings

- A. **ADD** the following sheet:
A302 – Enlarged Reflected Ceiling Plans

32. Reference Sheets No. AD400 – Demolition Roof Plan

- A. **ADD** the following: *“NOTE: Roofing Contractor to remove existing roof fascia system at areas receiving roof recovery system. See Roof Edge Removal Detail on sheet A410.”*

33. Reference Sheets No. A101 through A113

- A. Keynote 5D – **ADD** the following: *“Install new lockset and existing core. Storage hardware group - 72 8204 LL US26D SA.”*

34. Reference Sheet No. A400 – Roof Plans

- A. **DELETE** in its entirety: **SUBSTITUTE** the attached revised Sheet No. AD1-A400 – Roof Plans.

35. Reference Sheet No. A410 – Roof Details

- A. **DELETE** in its entirety: **SUBSTITUTE** the attached revised Sheet No. AD1-A410 – Roof Details.

Contract Drawings – VOLUME II

36. Reference Contract Drawings

- A. **ADD** the following sheet:
AD1-P1 – Nurses Suite Plumbing (add to PD101 & P101 for clarification).

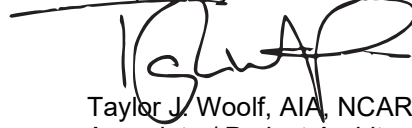
37. Reference Sheet No. E101 – Electrical Power & Systems Plan – First Floor Area A

- A. **DELETE** in its entirety: **SUBSTITUTE** the attached revised Sheet No. AD1-E101 – Electrical Power & Systems Plan – First Floor Area A.

38. Reference Sheet No. E600 – Electrical Details

- A. **DELETE** in its entirety: **SUBSTITUTE** the attached revised Sheet No. AD1-E600 – Electrical Details.

Respectfully submitted,



Taylor J. Woolf, AIA, NCARB
Associate / Project Architect

TJW:lr
Enclosures

FORM OF PROPOSAL
LaFargeville Central School District
Capital Improvements Project

BID DESCRIPTION

CONTRACT NO. 2 – MECHANICAL

Work under this Contract may generally be described to include, but not be limited to the following:

Procurement and general requirements; demolition, basic mechanical requirements, HVAC fittings, sleeves, gauges, valves, hangers, identification, testing, insulation, building automation, piping, specialties, pumps, water treatment, ductwork, unit ventilators, air accessories, breechings, cast iron boilers, air moving equipment, convection and cooling equipment, concrete housekeeping pads, training, and all other work and related materials as indicated on the Contract Drawings, as specified herein, and as required for the complete and proper execution of the Work.

This outline is a general indication of the requirements of this Contract and is not intended to be all inclusive. The complete Contract Documents in their entirety, to include any and all addenda, form the basis of the responsibility of this Contract.

Each contractor is advised that the specification sections in Division 1 - General Requirements apply distinctly to each Prime Contractor and the balance of the technical specifications apply to each Contractor (as appropriate) for the accomplishment of his work.

All work of this contract shall be coordinated with other Prime Contractors involved in the project. All work shall additionally be coordinated with all other activities, construction, or others at each site throughout the progress of the work of this project.

The Contractor shall use all means possible and shall be responsible for coordinating the installation of all materials of this Contract with work of all other trades involved with this project. All work shall be done in strict accordance with the Contract Documents and in compliance with all applicable Local, State and Federal Codes.

Prior to the Bid Date of this project, the Contractor shall be completely responsible for visiting the project site to become completely familiar with the scope of this project.

Each bidder agrees to waive any claim it has or may have against the Owner, the Architect/Engineer, and the respective employees, arising out of or in connection with the administration, evaluation or recommendation of any bid.

It shall be completely understood that the use of asbestos containing materials in this project is strictly forbidden and all materials are provided in accordance with the Federal Asbestos Hazard Emergency Response Act (AHERA), and the New York State Asbestos Safety Act (SASA).

In addition to those items in the Base Bid, the Contractor shall further sub-divide his bid proposal as described in the following bid items, alternates, and/or unit prices. The Contractor shall include in the Base Bid all of the work of this Contract not specifically described in a Bid Item or Alternative. The Owner reserves the right to accept any and/or all of the Bid Items and/or Alternates or any combination thereof and to waive any informalities or defects in the bid proposals either before or after opening.

Bid Item No. 1 – Field Directive Allowance

Bid Item No. 2 – Rooftop Equipment Curb Extension Allowance

Bid Item No. 3 – Building Controls Labor Allowance

As described in Specification Section 01 2100 – Allowances.

Unit Price No. MC-1 – Rooftop Equipment Curb Extension

As described in Specification Section 01 2200 – Unit Prices.

FORM OF PROPOSAL
LaFargeville Central School District
Capital Improvements Project

The Undersigned _____
Contractor

_____ Address _____ Zip Code

hereby certifies that he/she has examined and fully comprehends the requirements and intent of the drawings and specifications as prepared by BCA Architects & Engineers, for **CONTRACT NO. 2 – MECHANICAL** to furnish all labor, materials, supplies, plant and equipment and other facilities to properly perform the work for the total:

BASE BID SUM of _____ DOLLARS (\$ _____)

Bid Item No. 1 – Field Directive Allowance
_____ One Hundred Twenty Thousand DOLLARS (\$ 120,000.00)

Bid Item No. 2 – Rooftop Equipment Curb Extension Allowance
_____ Twenty-Five Thousand DOLLARS (\$ 25,000.00)

Bid Item No. 3 – Building Controls Labor Allowance
_____ Five Hundred Thousand Seven Hundred Ninety-Five DOLLARS (\$ 500,795.00)

TOTAL BASE BID (Base Bid and Bid Item Nos. 1-3)
_____ DOLLARS (\$ _____)

Unit Price No. MC-1 – Rooftop Equipment Curb Extension \$ _____

Receipt of the following Addenda is hereby acknowledged:

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

(Name of Bidder)

Signed _____

Title _____

Street _____

City/State _____

Zip Code _____

Telephone _____

Fax _____

Cell Phone _____

Email _____

Date _____, 20__

NON-COLLUSIVE BIDDING CERTIFICATE

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:

- (1) the prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
- (2) unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly to any other bidder or to any competitor; and
- (3) no attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

(Signed) _____

 Title

RESOLUTION - for corporate bidders only

RESOLVED that _____ be authorized to sign and submit the bid or proposal
(individual)
of this corporation for the following project

(describe project)

and to include in such bid or proposal the certificate as to non-collusion required by Section 103-d of the General Municipal Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate this corporate bidder shall be liable under the penalties of perjury.

The foregoing is a true and correct copy of the resolution adopted by _____
corporation at a meeting of its Board of Directors held on the _____ day of _____, 20__.

SEAL OF CORPORATION)

Secretary

**Statement Concerning Authority to do Business
in the State of New York for non-New York State Companies**

Please complete all requested information in both sections below.

A certificate of authority is required of out of state companies if the company has property, employees or agents used in conducting its business activities within the state of New York. Generally, business activities are defined as having an office in the state, making sales or promotional calls within the state, delivering products or merchandise and/or making service calls within the state.

Companies conducting mail order activities with New York customers are not considered doing business within New York State if the company **has no property, employees, agents and/or representatives in or, traveling into the state.** _____ is such a mail order company, and as such, is not
(Fill in company name)
required to hold a Certificate of Authority.

Performance under the attached bid will not result in any action that would result in a requirement to obtain a Certificate as all commerce will be conducted by mail. It is the opinion of the legal counsel for this firm:

Name _____
Address _____ (Complete the information)
Address _____
Telephone _____

that this firm is not required to file an Authority to do Business in New York State as required by Section 1301 of the NYS Business Corporate Law.

=====
Complete one of the following two acknowledgements in addition to above information.

Individual Acknowledgment for Sole Proprietors or Partnerships

Signature

State of _____
County of _____ ss.

On this ____ day of _____ two thousand and _____ before me, the subscriber, personally appeared _____ to me personally known and known to me to be the same person described in and who executed the within Instrument, and he/she acknowledged to me that he/she executed the same.

Notary Public

Corporate Acknowledgment for corporations or LLC's

Signature

State of _____
County of _____ ss.

On this ____ day of _____ two thousand and _____ before me personally known, who, being by me duly sworn did depose and say that he/she resides in _____ that he/she is the _____ of _____ the corporation described in, and which executed, the above Instrument; that he/she knows the seal of said corporation; that the seal affixed to said Instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that he/she signed his/her name thereto by like order.

Notary Public

FEDERAL LAW CERTIFICATION

I, _____ [insert name], the _____ [insert title] of
_____ [name of company], _____ [Nine Digit DUNS
Number] hereby swear or affirm that the following is true:

1. The company, its principles or entities related to the company named above, is not now, nor ever has been, debarred from contracting with the United States Government or any State government.
2. The company is not now under investigation by any agency of the Federal Government or the government of any State for any actions by the company, its principles or any related entity, for any alleged malfeasance or misfeasance of any kind or nature which could lead to a debarment from governmental contracting or criminal prosecution, as well as render any contracts signed in reliance on this certification voidable by the party relying on this certification. This includes any violations related to the Davis-Bacon Act, the federal prevailing wage statute, the Copeland Act and the Contract Hours and Safety Standards Act which covers hours of work and safety standards in federal public contracting.
3. I have full legal authority under my company's organizational documents or bylaws to make this certification on the company's behalf.
4. I understand that submission of a false statement on this document will subject me to criminal prosecution.

(Date)

(Signature)

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID

STATEMENT OF SURETY'S INTENT

To: _____
(Owner)

We have reviewed the Bid of _____
(Contractor)

of _____
(Address)

for _____

(Project)

Bids for which will be received on _____
(Bid Opening Date)

and wish to advise that should this Bid of the Contractor be accepted, and the Contract awarded to him, it is our present intention to become surety on the performance bond and labor and material bond required by the Contract.

Any arrangement for the bonds required by the Contract is a matter between the Contractor and ourselves and we assume no liability to you or third parties if, for any reason, we do not execute the requisite bonds.

We are duly authorized to do business in the State of New York.

Attest:

(Surety's Authorized Signature)

Attach Power of Attorney

(Corporate Seal, if any.
If no seal, write "No Seal"
across this place and sign.)

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID

CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT

As a result of the Iran Divestment Act of 2012 (the "Act"), Chapter 1 of the 2012 Laws of New York, a new provision has been added to State Finance Law (SFL) § 165-a and New York General Municipal Law § 103-g, both effective Aprils 12, 2012. Under the Act, the Commissioner of the Office of General Services (OGS) will be developing a list of "persons" who are engaged in "investment activities in Iran" (both are defined terms in the law) (the "Prohibited Entities List"). Pursuant to SFL § 165-a(3)(b), the initial list is expected to be issued no later than 120 days after the Act's effective date at which time it will be posted on the OGS website.

By submitting a bid in response to this solicitation or by assuming the responsibility of a Contract awarded hereunder, each Bidder/Contractor, any person signing on behalf of any Bidder/Contractor and any assignee or subcontractor and, in the case of a joint bid, each party thereto, certifies, under penalty of perjury, that once the Prohibited Entities List is posted on the OGS website, that to the best of its knowledge and belief, that each Bidder/Contractor and any subcontractor or assignee is not identified on the Prohibited Entities List created pursuant to SFL § 165-a(3)(b).

Additionally, Bidder/Contractor is advised that once the Prohibited Entities List is posted on the OGS Website, any Bidder/Contractor seeking to renew or extend a Contract or assume the responsibility of a Contract awarded in response to this solicitation must certify at the time the Contract is renewed, extended or assigned that it is not included on the Prohibited Entities List.

During the term of the Contract, should the School District receive information that a Bidder/Contractor is in violation of the above-referenced certification, the School District will offer the person or entity an opportunity to respond. If the person or entity fails to demonstrate that he/she/it has ceased engagement in the investment which is in violation of the Act within 90 days after the determination of such violation, then the School District shall take such action as may be appropriate including, but not limited to, imposing sanctions, seeking compliance, recovering damages or declaring the Bidder/Contractor in default. The School District reserves the right to reject any bid or request for assignment for a Bidder/Contractor that appears on the Prohibited Entities List prior to the award of a contract and to pursue a responsibility review with respect to any Bidder/Contractor that is awarded a contract and subsequently appears on the Prohibited Entities List.

I, _____, being duly sworn, deposes and says that he/she is the _____ of the _____ Corporation and that neither the Bidder/ Contractor nor any proposed subcontractor is identified on the Prohibited Entities List.

SIGNED

SWORN to before me this _____ day of _____

20____

Notary Public: _____

EITHER THIS FORM OR THE "DECLARATION OF BIDDER'S INABILITY TO PROVIDE CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT" FORM ON THE FOLLOWING PAGE MUST BE COMPLETED AND SUBMITTED WITH THE BID

**DECLARATION OF BIDDER'S INABILITY TO PROVIDE CERTIFICATION OF COMPLIANCE
WITH THE IRAN DIVESTMENT ACT**

Bidders shall complete this form if they cannot certify that the bidder /contractor or any proposed subcontractor is not identified on the Prohibited Entities List. The District reserves the right to undertake any investigation into the information provided herein or to request additional information from the bidder.

Name of the Bidder: _____

Address of Bidder: _____

Has bidder been involved in investment activities in Iran? _____

Describe the type of activities including but not limited to the amounts and the nature of the investments (e.g., banking, energy, real estate) _____

If so, when did the first investment activity occur? _____

Have the investment activities ended? _____

If so, what was the date of the last investment activity? _____

If not, have the investment activities increased or expanded since April 12, 2012? _____

Has the bidder adopted, publicized, or implemented a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran? _____

If so, provide the date of the adoption of the plan by the bidder and proof of the adopted resolution, if any and a copy of the formal plan. _____

In detail, state the reasons why the bidder cannot provide the Certification of Compliance with the Iran Divestment Act below (additional pages may be attached):

I, _____ being duly sworn, deposes and says that he/she is the _____ of

the _____ Corporation and the foregoing is true and accurate.

SIGNED

SWORN to before me this

_____ day of _____, 20____

Notary Public: _____

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FORM OF PROPOSAL
LaFargeville Central School District
Capital Improvements Project

BID DESCRIPTION

CONTRACT NO. 3 – PLUMBING

Work under this Contract may generally be described to include, but not be limited to the following:

Procurement and general requirements; demolition, basic plumbing requirements, plumbing fittings, sleeves, gauges, valves, hangers, identification, testing, insulation, piping, specialties, pumps, drains, concrete housekeeping pads, training and all other work and related materials as indicated on the Contract Drawings, as specified herein, and as required for the complete and proper execution of the Work.

This outline is a general indication of the requirements of this Contract and is not intended to be all inclusive. The complete Contract Documents in their entirety, to include any and all addenda, form the basis of the responsibility of this Contract.

Each contractor is advised that the specification sections in Division 1 - General Requirements apply distinctly to each Prime Contractor and the balance of the technical specifications apply to each Contractor (as appropriate) for the accomplishment of his work.

All work of this contract shall be coordinated with other Prime Contractors involved in the project. All work shall additionally be coordinated with all other activities, construction, or others at each site throughout the progress of the work of this project.

The Contractor shall use all means possible and shall be responsible for coordinating the installation of all materials of this Contract with work of all other trades involved with this project. All work shall be done in strict accordance with the Contract Documents and in compliance with all applicable Local, State and Federal Codes.

Prior to the Bid Date of this project, the Contractor shall be completely responsible for visiting the project site to become completely familiar with the scope of this project.

Each bidder agrees to waive any claim it has or may have against the Owner, the Architect/Engineer, and the respective employees, arising out of or in connection with the administration, evaluation or recommendation of any bid.

It shall be completely understood that the use of asbestos containing materials in this project is strictly forbidden and all materials are provided in accordance with the Federal Asbestos Hazard Emergency Response Act (AHERA), and the New York State Asbestos Safety Act (SASA).

In addition to those items in the Base Bid, the Contractor shall further sub-divide his bid proposal as described in the following bid items, alternates, and/or unit prices. The Contractor shall include in the Base Bid all of the work of this Contract not specifically described in a Bid Item or Alternative. The Owner reserves the right to accept any and/or all of the Bid Items and/or Alternates or any combination thereof and to waive any informalities or defects in the bid proposals either before or after opening.

Bid Item No. 1 – Field Directive Allowance

Bid Item No. 2 – Rooftop Equipment Curb Extension Allowance

As described in Specification Section 01 2100 – Allowances.

Unit Price No. PC-1 – Rooftop Equipment Curb Extension

As described in Specification Section 01 2200 – Unit Prices.

FORM OF PROPOSAL
LaFargeville Central School District
Capital Improvements Project

The Undersigned _____
Contractor

Address Zip Code

hereby certifies that he/she has examined and fully comprehends the requirements and intent of the drawings and specifications as prepared by BCA Architects & Engineers, for **CONTRACT NO. 3 – PLUMBING** to furnish all labor, materials, supplies, plant and equipment and other facilities to properly perform the work for the total:

BASE BID SUM of _____ DOLLARS (\$ _____)

Bid Item No. 1 – Field Directive Allowance
_____ Thirty-Five Thousand DOLLARS (\$ 35,000.00)

Bid Item No. 2 – Rooftop Equipment Curb Extension Allowance
_____ Twenty-Five Thousand DOLLARS (\$ 25,000.00)

TOTAL BASE BID (Base Bid and Bid Item No. 1 &2)
_____ DOLLARS (\$ _____)

Unit Price No. PC-1 – Rooftop Equipment Curb Extension \$ _____

Receipt of the following Addenda is hereby acknowledged:

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

(Name of Bidder)

Signed _____

Title _____

Street _____

City/State _____ Zip Code _____

Telephone _____

Fax _____

Cell Phone _____

Email _____

Date _____, 20__

NON-COLLUSIVE BIDDING CERTIFICATE

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:

- (1) the prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
- (2) unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly to any other bidder or to any competitor; and
- (3) no attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

(Signed) _____

 Title

RESOLUTION - for corporate bidders only

RESOLVED that _____ be authorized to sign and submit the bid or proposal
(individual)
 of this corporation for the following project

(describe project)

and to include in such bid or proposal the certificate as to non-collusion required by Section 103-d of the General Municipal Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate this corporate bidder shall be liable under the penalties of perjury.

The foregoing is a true and correct copy of the resolution adopted by _____
 corporation at a meeting of its Board of Directors held on the _____ day of _____, 20__.

SEAL OF CORPORATION)

 Secretary

**Statement Concerning Authority to do Business
in the State of New York for non-New York State Companies**

Please complete all requested information in both sections below.

A certificate of authority is required of out of state companies if the company has property, employees or agents used in conducting its business activities within the state of New York. Generally, business activities are defined as having an office in the state, making sales or promotional calls within the state, delivering products or merchandise and/or making service calls within the state.

Companies conducting mail order activities with New York customers are not considered doing business within New York State if the company **has no property, employees, agents and/or representatives in or, traveling into the state.** _____ is such a mail order company, and as such, is not
(Fill in company name)
required to hold a Certificate of Authority.

Performance under the attached bid will not result in any action that would result in a requirement to obtain a Certificate as all commerce will be conducted by mail. It is the opinion of the legal counsel for this firm:

Name _____
Address _____ (Complete the information)
Address _____
Telephone _____

that this firm is not required to file an Authority to do Business in New York State as required by Section 1301 of the NYS Business Corporate Law.

=====
Complete one of the following two acknowledgements in addition to above information.

Individual Acknowledgment for Sole Proprietors or Partnerships

Signature

State of _____
County of _____ ss.

On this ____ day of _____ two thousand and _____ before me, the subscriber, personally appeared _____ to me personally known and known to me to be the same person described in and who executed the within Instrument, and he/she acknowledged to me that he/she executed the same.

Notary Public

Corporate Acknowledgment for corporations or LLC's

Signature

State of _____
County of _____ ss.

On this ____ day of _____ two thousand and _____ before me personally known, who, being by me duly sworn did depose and say that he/she resides in _____ that he/she is the _____ of _____ the corporation described in, and which executed, the above Instrument; that he/she knows the seal of said corporation; that the seal affixed to said Instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that he/she signed his/her name thereto by like order.

Notary Public

FEDERAL LAW CERTIFICATION

I, _____ [insert name], the _____ [insert title] of
_____ [name of company], _____ [Nine Digit DUNS
Number] hereby swear or affirm that the following is true:

1. The company, its principles or entities related to the company named above, is not now, nor ever has been, debarred from contracting with the United States Government or any State government.
2. The company is not now under investigation by any agency of the Federal Government or the government of any State for any actions by the company, its principles or any related entity, for any alleged malfeasance or misfeasance of any kind or nature which could lead to a debarment from governmental contracting or criminal prosecution, as well as render any contracts signed in reliance on this certification voidable by the party relying on this certification. This includes any violations related to the Davis-Bacon Act, the federal prevailing wage statute, the Copeland Act and the Contract Hours and Safety Standards Act which covers hours of work and safety standards in federal public contracting.
3. I have full legal authority under my company's organizational documents or bylaws to make this certification on the company's behalf.
4. I understand that submission of a false statement on this document will subject me to criminal prosecution.

(Date)

(Signature)

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID

STATEMENT OF SURETY'S INTENT

To: _____
(Owner)

We have reviewed the Bid of _____
(Contractor)

of _____
(Address)

for _____

(Project)

Bids for which will be received on _____
(Bid Opening Date)

and wish to advise that should this Bid of the Contractor be accepted, and the Contract awarded to him, it is our present intention to become surety on the performance bond and labor and material bond required by the Contract.

Any arrangement for the bonds required by the Contract is a matter between the Contractor and ourselves and we assume no liability to you or third parties if, for any reason, we do not execute the requisite bonds.

We are duly authorized to do business in the State of New York.

Attest:

(Surety's Authorized Signature)

Attach Power of Attorney

(Corporate Seal, if any.
If no seal, write "No Seal"
across this place and sign.)

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID

CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT

As a result of the Iran Divestment Act of 2012 (the "Act"), Chapter 1 of the 2012 Laws of New York, a new provision has been added to State Finance Law (SFL) § 165-a and New York General Municipal Law § 103-g, both effective Aprils 12, 2012. Under the Act, the Commissioner of the Office of General Services (OGS) will be developing a list of "persons" who are engaged in "investment activities in Iran" (both are defined terms in the law) (the "Prohibited Entities List"). Pursuant to SFL § 165-a(3)(b), the initial list is expected to be issued no later than 120 days after the Act's effective date at which time it will be posted on the OGS website.

By submitting a bid in response to this solicitation or by assuming the responsibility of a Contract awarded hereunder, each Bidder/Contractor, any person signing on behalf of any Bidder/Contractor and any assignee or subcontractor and, in the case of a joint bid, each party thereto, certifies, under penalty of perjury, that once the Prohibited Entities List is posted on the OGS website, that to the best of its knowledge and belief, that each Bidder/Contractor and any subcontractor or assignee is not identified on the Prohibited Entities List created pursuant to SFL § 165-a(3)(b).

Additionally, Bidder/Contractor is advised that once the Prohibited Entities List is posted on the OGS Website, any Bidder/Contractor seeking to renew or extend a Contract or assume the responsibility of a Contract awarded in response to this solicitation must certify at the time the Contract is renewed, extended or assigned that it is not included on the Prohibited Entities List.

During the term of the Contract, should the School District receive information that a Bidder/Contractor is in violation of the above-referenced certification, the School District will offer the person or entity an opportunity to respond. If the person or entity fails to demonstrate that he/she/it has ceased engagement in the investment which is in violation of the Act within 90 days after the determination of such violation, then the School District shall take such action as may be appropriate including, but not limited to, imposing sanctions, seeking compliance, recovering damages or declaring the Bidder/Contractor in default. The School District reserves the right to reject any bid or request for assignment for a Bidder/Contractor that appears on the Prohibited Entities List prior to the award of a contract and to pursue a responsibility review with respect to any Bidder/Contractor that is awarded a contract and subsequently appears on the Prohibited Entities List.

I, _____, being duly sworn, deposes and says that he/she is the _____ of the _____ Corporation and that neither the Bidder/ Contractor nor any proposed subcontractor is identified on the Prohibited Entities List.

SIGNED

SWORN to before me this _____ day of _____

20____

Notary Public: _____

EITHER THIS FORM OR THE "DECLARATION OF BIDDER'S INABILITY TO PROVIDE CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT" FORM ON THE FOLLOWING PAGE MUST BE COMPLETED AND SUBMITTED WITH THE BID

**DECLARATION OF BIDDER'S INABILITY TO PROVIDE CERTIFICATION OF COMPLIANCE
WITH THE IRAN DIVESTMENT ACT**

Bidders shall complete this form if they cannot certify that the bidder /contractor or any proposed subcontractor is not identified on the Prohibited Entities List. The District reserves the right to undertake any investigation into the information provided herein or to request additional information from the bidder.

Name of the Bidder: _____

Address of Bidder: _____

Has bidder been involved in investment activities in Iran? _____

Describe the type of activities including but not limited to the amounts and the nature of the investments (e.g. banking, energy, real estate) _____

If so, when did the first investment activity occur? _____

Have the investment activities ended? _____

If so, what was the date of the last investment activity? _____

If not, have the investment activities increased or expanded since April 12, 2012? _____

Has the bidder adopted, publicized, or implemented a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran? _____

If so, provide the date of the adoption of the plan by the bidder and proof of the adopted resolution, if any and a copy of the formal plan. _____

In detail, state the reasons why the bidder cannot provide the Certification of Compliance with the Iran Divestment Act below (additional pages may be attached):

I, _____ being duly sworn, deposes and says that he/she is the _____ of

the _____ Corporation and the foregoing is true and accurate.

SIGNED

SWORN to before me this

_____ day of _____, 20____

Notary Public: _____

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FORM OF PROPOSAL
LaFargeville Central School District
Capital Improvements Project

BID DESCRIPTION

CONTRACT NO. 4 – ELECTRICAL

Work under this Contract may generally be described to include, but not be limited to the following:

Procurement and general requirements; demolition, basic electrical requirements, electrical fittings, hangers, identification, testing, grounding, conduit, wiring, lighting and lighting controls, panelboards, wiring devices, structured cabling, fire alarm, training, and all other work and related materials as indicated on the Contract Drawings, as specified herein, and as required for the complete and proper execution of the Work.

This outline is a general indication of the requirements of this Contract and is not intended to be all inclusive. The complete Contract Documents in their entirety, to include any and all addenda, form the basis of the responsibility of this Contract.

Each contractor is advised that the specification sections in Division 1 - General Requirements apply distinctly to each Prime Contractor and the balance of the technical specifications apply to each Contractor (as appropriate) for the accomplishment of his work.

All work of this contract shall be coordinated with other Prime Contractors involved in the project. All work shall additionally be coordinated with all other activities, construction, or others at each site throughout the progress of the work of this project.

The Contractor shall use all means possible and shall be responsible for coordinating the installation of all materials of this Contract with work of all other trades involved with this project. All work shall be done in strict accordance with the Contract Documents and in compliance with all applicable Local, State and Federal Codes.

Prior to the Bid Date of this project, the Contractor shall be completely responsible for visiting the project site to become completely familiar with the scope of this project.

Each bidder agrees to waive any claim it has or may have against the Owner, the Architect/Engineer, and the respective employees, arising out of or in connection with the administration, evaluation or recommendation of any bid.

It shall be completely understood that the use of asbestos containing materials in this project is strictly forbidden and all materials are provided in accordance with the Federal Asbestos Hazard Emergency Response Act (AHERA), and the New York State Asbestos Safety Act (SASA).

In addition to those items in the Base Bid, the Contractor shall further sub-divide his bid proposal as described in the following bid items, alternates, and/or unit prices. The Contractor shall include in the Base Bid all of the work of this Contract not specifically described in a Bid Item or Alternative. The Owner reserves the right to accept any and/or all of the Bid Items and/or Alternates or any combination thereof and to waive any informalities or defects in the bid proposals either before or after opening.

Bid Item No. 1 – Field Directive Allowance
Bid Item No. 2 – Rooftop Equipment Curb Extension Allowance
Bid Item No. 3 – MPR A/V Equipment Allowance
As described in Specification Section 01 2100 – Allowances.

Unit Price No. EC-1 – Rooftop Equipment Curb Extension
As described in Specification Section 01 2200 – Unit Prices.

Alternate No. G-5 – Courtyard Light Bollards
Alternate No. G-7 – Courtyard Scope
Alternate No. G-8 – Bus Garage Scope
As described in Specification Section 01 2300 – Alternates.

FORM OF PROPOSAL
LaFargeville Central School District
Capital Improvements Project

The Undersigned _____
Contractor

_____ Address _____ Zip Code

hereby certifies that he/she has examined and fully comprehends the requirements and intent of the drawings and specifications as prepared by BCA Architects & Engineers, for **CONTRACT NO. 4 – ELECTRICAL** to furnish all labor, materials, supplies, plant and equipment and other facilities to properly perform the work for the total:

BASE BID SUM of _____ DOLLARS (\$ _____)

Bid Item No. 1 – Field Directive Allowance
_____ Fifty Thousand DOLLARS (\$ 50,000.00)

Bid Item No. 2 – Rooftop Equipment Curb Extension Allowance
_____ Twenty-Five Thousand DOLLARS (\$ 25,000.00)

Bid Item No. 3 – MPR A/V Equipment Allowance
_____ Forty Thousand DOLLARS (\$ 40,000.00)

TOTAL BASE BID (Base Bid and Bid Item Nos. 1 & 2)
_____ DOLLARS (\$ _____)

Unit Price No. EC-1 – Rooftop Equipment Curb Extension \$ _____

Alternate No. E-5 – Courtyard Light Bollards
_____ DOLLARS (\$ _____)
DEDUCT

Alternate No. E-7 – Courtyard Scope
_____ DOLLARS (\$ _____)
DEDUCT

Alternate No. E-8 – Bus Garage Scope
_____ DOLLARS (\$ _____)
DEDUCT

Receipt of the following Addenda is hereby acknowledged:

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

(Name of Bidder)

Signed _____

Title _____

Street _____

City/State _____ Zip Code _____

Telephone _____

Fax _____

Cell Phone _____

Email _____

Date _____, 20__

NON-COLLUSIVE BIDDING CERTIFICATE

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:

- (1) the prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
- (2) unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly to any other bidder or to any competitor; and
- (3) no attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

(Signed) _____

 Title

RESOLUTION - for corporate bidders only

RESOLVED that _____ be authorized to sign and submit the bid or proposal
(individual)
 of this corporation for the following project

(describe project)

and to include in such bid or proposal the certificate as to non-collusion required by Section 103-d of the General Municipal Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate this corporate bidder shall be liable under the penalties of perjury.

The foregoing is a true and correct copy of the resolution adopted by _____
 corporation at a meeting of its Board of Directors held on the _____ day of _____, 20__.

SEAL OF CORPORATION)

 Secretary

**Statement Concerning Authority to do Business
in the State of New York for non-New York State Companies**

Please complete all requested information in both sections below.

A certificate of authority is required of out of state companies if the company has property, employees or agents used in conducting its business activities within the state of New York. Generally, business activities are defined as having an office in the state, making sales or promotional calls within the state, delivering products or merchandise and/or making service calls within the state.

Companies conducting mail order activities with New York customers are not considered doing business within New York State if the company **has no property, employees, agents and/or representatives in or, traveling into the state.** _____ is such a mail order company, and as such, is not
(Fill in company name)
required to hold a Certificate of Authority.

Performance under the attached bid will not result in any action that would result in a requirement to obtain a Certificate as all commerce will be conducted by mail. It is the opinion of the legal counsel for this firm:

Name _____
Address _____ (Complete the information)
Address _____
Telephone _____

that this firm is not required to file an Authority to do Business in New York State as required by Section 1301 of the NYS Business Corporate Law.

=====
Complete one of the following two acknowledgements in addition to above information.

Individual Acknowledgment for Sole Proprietors or Partnerships

Signature

State of _____
County of _____ ss.

On this ____ day of _____ two thousand and _____ before me, the subscriber, personally appeared _____ to me personally known and known to me to be the same person described in and who executed the within Instrument, and he/she acknowledged to me that he/she executed the same.

Notary Public

Corporate Acknowledgment for corporations or LLC's

Signature

State of _____
County of _____ ss.

On this ____ day of _____ two thousand and _____ before me personally known, who, being by me duly sworn did depose and say that he/she resides in _____ that he/she is the _____ of _____ the corporation described in, and which executed, the above Instrument; that he/she knows the seal of said corporation; that the seal affixed to said Instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that he/she signed his/her name thereto by like order.

Notary Public

FEDERAL LAW CERTIFICATION

I, _____ [insert name], the _____ [insert title] of
_____ [name of company], _____ [Nine Digit DUNS
Number] hereby swear or affirm that the following is true:

1. The company, its principles or entities related to the company named above, is not now, nor ever has been, debarred from contracting with the United States Government or any State government.
2. The company is not now under investigation by any agency of the Federal Government or the government of any State for any actions by the company, its principles or any related entity, for any alleged malfeasance or misfeasance of any kind or nature which could lead to a debarment from governmental contracting or criminal prosecution, as well as render any contracts signed in reliance on this certification voidable by the party relying on this certification. This includes any violations related to the Davis-Bacon Act, the federal prevailing wage statute, the Copeland Act and the Contract Hours and Safety Standards Act which covers hours of work and safety standards in federal public contracting.
3. I have full legal authority under my company's organizational documents or bylaws to make this certification on the company's behalf.
4. I understand that submission of a false statement on this document will subject me to criminal prosecution.

(Date)

(Signature)

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID

STATEMENT OF SURETY'S INTENT

To: _____
(Owner)

We have reviewed the Bid of _____
(Contractor)

of _____
(Address)

for _____

(Project)

Bids for which will be received on _____
(Bid Opening Date)

and wish to advise that should this Bid of the Contractor be accepted, and the Contract awarded to him, it is our present intention to become surety on the performance bond and labor and material bond required by the Contract.

Any arrangement for the bonds required by the Contract is a matter between the Contractor and ourselves and we assume no liability to you or third parties if, for any reason, we do not execute the requisite bonds.

We are duly authorized to do business in the State of New York.

Attest:

(Surety's Authorized Signature)

Attach Power of Attorney

(Corporate Seal, if any.
If no seal, write "No Seal"
across this place and sign.)

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID

CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT

As a result of the Iran Divestment Act of 2012 (the "Act"), Chapter 1 of the 2012 Laws of New York, a new provision has been added to State Finance Law (SFL) § 165-a and New York General Municipal Law § 103-g, both effective Aprils 12, 2012. Under the Act, the Commissioner of the Office of General Services (OGS) will be developing a list of "persons" who are engaged in "investment activities in Iran" (both are defined terms in the law) (the "Prohibited Entities List"). Pursuant to SFL § 165-a(3)(b), the initial list is expected to be issued no later than 120 days after the Act's effective date at which time it will be posted on the OGS website.

By submitting a bid in response to this solicitation or by assuming the responsibility of a Contract awarded hereunder, each Bidder/Contractor, any person signing on behalf of any Bidder/Contractor and any assignee or subcontractor and, in the case of a joint bid, each party thereto, certifies, under penalty of perjury, that once the Prohibited Entities List is posted on the OGS website, that to the best of its knowledge and belief, that each Bidder/Contractor and any subcontractor or assignee is not identified on the Prohibited Entities List created pursuant to SFL § 165-a(3)(b).

Additionally, Bidder/Contractor is advised that once the Prohibited Entities List is posted on the OGS Website, any Bidder/Contractor seeking to renew or extend a Contract or assume the responsibility of a Contract awarded in response to this solicitation must certify at the time the Contract is renewed, extended or assigned that it is not included on the Prohibited Entities List.

During the term of the Contract, should the School District receive information that a Bidder/Contractor is in violation of the above-referenced certification, the School District will offer the person or entity an opportunity to respond. If the person or entity fails to demonstrate that he/she/it has ceased engagement in the investment which is in violation of the Act within 90 days after the determination of such violation, then the School District shall take such action as may be appropriate including, but not limited to, imposing sanctions, seeking compliance, recovering damages or declaring the Bidder/Contractor in default. The School District reserves the right to reject any bid or request for assignment for a Bidder/Contractor that appears on the Prohibited Entities List prior to the award of a contract and to pursue a responsibility review with respect to any Bidder/Contractor that is awarded a contract and subsequently appears on the Prohibited Entities List.

I, _____, being duly sworn, deposes and says that he/she is the _____ of the _____ Corporation and that neither the Bidder/ Contractor nor any proposed subcontractor is identified on the Prohibited Entities List.

SIGNED

SWORN to before me this _____ day of _____

20____

Notary Public: _____

EITHER THIS FORM OR THE "DECLARATION OF BIDDER'S INABILITY TO PROVIDE CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT" FORM ON THE FOLLOWING PAGE MUST BE COMPLETED AND SUBMITTED WITH THE BID

**DECLARATION OF BIDDER'S INABILITY TO PROVIDE CERTIFICATION OF COMPLIANCE
WITH THE IRAN DIVESTMENT ACT**

Bidders shall complete this form if they cannot certify that the bidder /contractor or any proposed subcontractor is not identified on the Prohibited Entities List. The District reserves the right to undertake any investigation into the information provided herein or to request additional information from the bidder.

Name of the Bidder: _____

Address of Bidder: _____

Has bidder been involved in investment activities in Iran? _____

Describe the type of activities including but not limited to the amounts and the nature of the investments (e.g. banking, energy, real estate) _____

If so, when did the first investment activity occur? _____

Have the investment activities ended? _____

If so, what was the date of the last investment activity? _____

If not, have the investment activities increased or expanded since April 12, 2012? _____

Has the bidder adopted, publicized, or implemented a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran? _____

If so, provide the date of the adoption of the plan by the bidder and proof of the adopted resolution, if any and a copy of the formal plan. _____

In detail, state the reasons why the bidder cannot provide the Certification of Compliance with the Iran Divestment Act below (additional pages may be attached):

I, _____ being duly sworn, deposes and says that he/she is the _____ of

the _____ Corporation and the foregoing is true and accurate.

SIGNED

SWORN to before me this

_____ day of _____, 20____

Notary Public: _____

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SECTION 08 3615
ROLLING COUNTER FIRE DOORS

PART 1 GENERAL

1.01 SUMMARY

- A. This section includes: Electric operated, automatic closing Rolling Counter Fire Door.
 - 1. Provide doors with Underwriter's Laboratories, Inc. (UL) and Underwriter's Laboratories of Canada (ULC) label for the fire rating classification. 1-1/2 hour rating. Also NYC MEA approved.
 - 2. Cycle life: Design doors of standard construction for normal use of 10,000 cycles standard.
 - 3. Automatically resettable drop out mechanism with optional release devices. (For manually resettable doors see specs for Fire-Shut®.)
 - 4. Doors are fully spring-balanced in all models.

1.02 RELATED SECTIONS

- A. Section 01 6000 – Product Requirements..
- B. Section 06 1000 – Rough Carpentry.
- C. Section 08 7100 – Door Hardware.
- D. Section 09 2116 – Gypsum Board.
- E. Section 09 9113 - Exterior Painting.
- F. Section 09 9123 - Interior Painting.
- G. Section 26 0000 – Electrical.
- H. Section 28 310.02 – Fire Detection and Alarm.

1.03 REFERENCES

- A. ASTM A 653/A 653M – Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- B. ASTM A 36 – Standard Specification for Carbon Structural Steel, Hot Rolled Steel
- C. ASTM A 123 – Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
- D. ASTM A 312 – Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes
- E. ASTM A 240 – Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
- F. ASTM A 276 – Standard Specification for Stainless Steel Bars and Shapes

1.04 SUBMITTALS

- A. Submit under provisions of Section 01 3000 – Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturer's standard details and catalog data. Provide installation instructions.
- C. Shop Drawings: Furnish shop drawings for architect's approval. Include elevation, sections, and details indicating dimensions, materials, finishes, conditions for anchorage and support of each door.
- D. Submit manufacturer's recommended operation, troubleshooting, and maintenance instructions.

1.05 QUALITY ASSURANCE

- A. Manufacturer: Rolling doors shall be manufactured by a firm with a minimum of five years experience.
- B. Fire-Rated Assemblies: Provide all doors with fire resistance rating required to comply with governing regulations which are inspected, tested, listed and labeled by UL, complying with NFPA 80 for class of opening. Provide UL label permanently fasted to each fire door assembly. Door shall be tested under UL10B and ULC10B, and provided with a 1-1/2 hour rating. Also NY MEA approved.
- C. Single-Source Responsibility: Manufacturer shall provide doors, tracks, motors, and accessories for each type of door. Secondary components shall come from a source acceptable to the manufacturer of the primary components.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original packaging supplied by manufacturer with intact labels. Store materials away from harmful environmental conditions and construction.

1.07 WARRANTY

- A. Door Warranty: Provide 2 year written warranty from date of installation against deficiencies due to defects in materials or workmanship. Installer agrees to repair or replace any defects in materials or workmanship.
- B. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Manufacturer: Alpine Overhead Doors, Inc.; 8 Hulse Road Suite 1S, East Setauket, NY 11733. Telephone 800-257-4634 or 631-473-9300. Fax 631-642-0800.
- B. Model: FIRE-SHUT® Rolling Counter Fire Door.

2.02 MATERIALS

- A. Curtain:
 - 1. Slats: Constructed of interlocking, roll-formed 1-1/4" baby flat slats.
 - a. Material:
 - 1) ASTM 240 Stainless steel 300 series.
 - (a) Finish: #4 satin finish.
 - b. Gauge (per manufacturer's standard): Minimum 22 gauge as manufacturer standard 18 gauge.
 - 2. Endlocks and Windlocks (as required):
 - a. Stamped, hot-dipped, galvanized endlocks riveted, minimum 1/4" thick, to each end of alternate slats to prevent lateral movement and to limit slat deflection and bending stress.
 - 3. Bottom Bar: Two roll formed steel angles of minimum 1"x 3/4"x 1/8", designed to reinforce curtain bottom (size dependent on dimensions per manufacturer's standard).
 - a. Material:
 - 1) ASTM 240 Stainless Steel 300 Series.
 - 4. Finish: #4 satin finish.
- B. Guides:
 - 1. Laser cut 12 gauge steel, formed into box shape and fitted with removable bellmouth curtain stops to allow for curtain maintenance without removal of guides. Bellmouth stops shall be flush with guide groove. Bolt at 12" o.c.
 - a. Material:
 - 1) ASTM 276 Stainless Steel 300 Series.
 - 2) Finish: #4 finish satin.
- C. Door Support Brackets and Mounting Plates:
 - 1. Steel plate not less than 1/4" thick. Provide ball bearings at rotating support points. Bolt plates to wall mounting angles with minimum 1/4" fasteners. Plate supports counterbalance assembly and forms end enclosures.
 - a. Material:
 - 1) ASTM 240 Stainless Steel 300 Series.
 - 2) Finish: Mill Finish #2B.
- D. Counterbalance Assembly: Torsion:
 - 1. Counterbalance assembly: Steel pipe barrel of a size capable of carrying a curtain load with a maximum deflection of 0.03" per foot of door width. Heat-treated helical torsion springs encased in a steel pipe and designed to include an overload factor of 25% to ensure minimum effort to operate. Sealed and prelubricated high speed ball bearing at rotating support points. Torsion spring charge wheel for applying spring torque and for future adjustments.
 - a. Material:
 - 1) A 312 Stainless Steel 300 Series.
 - 2) Finish: Mill finish.

- b. Life Cycle: High Cycle springs designed to satisfy 10m through 400m life cycles. Consult engineering if height exceeds width for any cycle above 20m. (Cycle defined as one time opening and closing of door.)
- E. Hood:
 - 1. 22 gauge steel. Formed to fit the contour of the end brackets with reinforced top and bottom edges. Provide support bracing for doors wider than 20 feet at every 10 feet to prevent excessive sag. Fasten with minimum 1/4" bolts at 10" o.c.
 - 2. Shape: Square.
 - 3. Material:
 - a. Galvanized Steel as per ASTM A 653/ A 653 M.
 - b. Finish: Baked enamel paint.
 - 4. Fascia: Stainless Steel provided where areas behind door hood are open. Materials and finish same as hood.
- F. Locking:
 - 1. Provide padlockable slide locks for latching and locking door on coil side bottom bar at each jamb extending into slots in guides. (Electric Interlocks recommended with motorized doors only.)
 - 2. Manual chain hoist: Provide padlockable chain keeper on guide..
- G. Operation:
 - 1. Opening/Closing:
 - a. Redi-Reset® Industrial Duty Fire Door Operators, automatic closing motors.
- H. Motor Operator:
 - 1. Model Redi-Reset® FS [NFS Also available without fail-safe] (Recommended for fire doors up to 60' x 20'):
 - a. UL listed and FM approved.
 - b. NEMA 1 enclosure rating.
 - c. Horsepower: 3 hp.
 - d. Phase Service: 208/230v three.
 - e. Brake: Solenoid brake. Integral within the operator's housing.
 - f. Reducer: Planetary reduction gearing and rotary limit switches.
 - g. Removable electrical control panel.
 - h. Sensing Edge: Electric pneumatic.
 - i. Automatic Closure shall be activated by melting of fusible link at 165° [local smoke/fire detector] [central smoke/fire alarm system]. Doors shall not require a releasing device when activated by an alarm. When automatic closure is activated, electric sensing edge and push button are inoperable. Provide protective cover and/or stability brackets for arm sensors at the floor level for full size doors.
 - j. Average closing speed: No less than 6" per second or more than 9" per second.
 - k. Fail-safe feature: In case of power failure, door shall close automatically after a 10 second delay [adjustable].
 - l. Each fire door shall be designed so that it may be drop tested by cutting the power, removing the fusible link, or activating alarm/smoke detector.
 - m. Resetting of spring tension or mechanical dropouts shall not be required. After correction cause of closure, doors shall immediately reset by opening with the push button.
- I. Manual Operators:
 - 1. Redi-Reset® II Chain
 - a. Manual combination chain/controlled closing system.
 - b. For use on doors up to 30' x 24' that do not require daily convenience of motor. Recommended for fire doors with exposed guides or fire doors in excess of 12'.
 - c. Endless steel chain, geared reduction unit, chain keeper and combination close operation/automatic drop test cable.
 - d. Locking mechanism to hold door at any position of travel during normal door operation.
 - e. Governor to control automatic closing speed.
 - f. Automatic Closure shall be activated by fusible link central alarm system. Doors shall not require a releasing device when activated by an alarm.
 - g. Average closing speed: No less than 6" per second or more than 9" per second.

- h. Resetting of spring tension or mechanical dropouts shall not be required.
- J. Mounting:
 - 1. Interior face mounted on prepared opening.
 - 2. Exterior face mounted on prepared opening.
- K. Fire Ratings:
 - 1. Underwriter's Laboratories:
 - a. Class (C) – 3/4 hour approved for doors in corridor or room-partition opening not exceeding 120 sq. ft. in area.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that dimensions are correct and project conditions are in accordance with manufacturer's installation instructions; do not proceed with installation until unacceptable conditions have been corrected.

3.02 INSTALLATION

- A. Install units in accordance with manufacturer's instructions.
- B. Ensure that units are installed plumb and true, free of warp or twist, and within tolerances specified by manufacturer for smooth operation.
- C. Preparation for opening and installation of fire door to be in strict compliance with NPFA-80.

3.03 FIELD TESTING

- A. Test doors for regular operation and automatic closing. Proper authorities having jurisdiction must witness test and sign Drop Test Form.

3.04 DEMONSTRATION

- A. Instruct the Owner's personnel in correct operation and maintenance of units.

3.05 ADJUST AND CLEAN

- A. Clean units in accordance with manufacturer's instructions.
- B. Restore slight blemishes in finishes in accordance with manufacturer's instructions to match original finish. Remove and provide new units where repairs are not acceptable to the Architect.

END OF SECTION

**SECTION 08 7100
DOOR HARDWARE**

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes commercial door hardware for the following:
 - 1. Swinging doors.
 - 2. Other doors to the extent indicated.
- B. Door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
 - 2. Electromechanical door hardware.
 - 3. Cylinders specified for doors in other sections.
- C. Related Sections:
 - 1. Section 08 1213 – Hollow Metal Frames.
 - 2. Section 08 1313.53 – Custom Hollow Metal Doors.
 - 3. Section 08 1416 - Flush Wood Doors.
 - 4. Section 08 4313 – Aluminum-Framed Storefronts.
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. ICC/IBC - International Building Code.
 - 3. NFPA 70 - National Electrical Code.
 - 4. NFPA 80 - Fire Doors and Windows.
 - 5. NFPA 101 - Life Safety Code.
 - 6. NFPA 105 - Installation of Smoke Door Assemblies.
 - 7. State Building Codes, Local Amendments.
- E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:
 - 1. ANSI/BHMA Certified Product Standards - A156 Series.
 - 2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
 - 3. ANSI/UL 294 - Access Control System Units.
 - 4. UL 305 - Panic Hardware.
 - 5. ANSI/UL 437- Key Locks.

1.03 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 - 1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 - 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 - 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.

- d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - h. Warranty information for each product.
4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Shop Drawings: Details of electrified access control hardware indicating the following:
- 1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
 - a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
 - b. Complete (risers, point-to-point) access control system block wiring diagrams.
 - c. Wiring instructions for each electronic component scheduled herein.
 - 2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.
- D. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
- E. Informational Submittals:
- 1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- F. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Section 01 7000 – Execution and Closeout Requirements.

1.04 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum of 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).
- C. Installer Qualifications: A minimum of 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum of 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
 - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.

2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.
- F. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.
- G. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
1. Function of building, purpose of each area and degree of security required.
 2. Plans for existing and future key system expansion.
 3. Requirements for key control storage and software.
 4. Installation of permanent keys, cylinder cores and software.
 5. Address and requirements for delivery of keys.
 6. Coordinate and assist Owner with core/key acquisition from security vendor.
- H. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.06 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.07 WARRANTY

- A. General Warranty: Reference Section 01 0000 – General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
1. Structural failures including excessive deflection, cracking, or breakage.
 2. Faulty operation of the hardware.
 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 4. Electrical component defects and failures within the systems operation.
- C. Warranty Period: Unless otherwise indicated, warranty shall be 1 year from date of Substantial Completion.

PART 2 PRODUCTS

2.01 BUTT HINGES

- A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
1. Quantity: Provide the following hinge quantity:

- a. Two (2) hinges for doors with heights up to 60".
 - b. Three (3) hinges for doors with heights 61 to 90".
 - c. Four (4) hinges for doors with heights 91 to 120".
 - d. For doors with heights more than 120", provide four (4) hinges, plus one (1) hinge for every 30" of door height greater than 120".
2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'-0": 4-1/2" heavy weight as specified.
 - b. Sizes from 3'-1" to 4'-0": 5" heavy weight as specified.
 3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
 - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges.
 - b. Interior Doors: Heavy duty weight, steel, ball bearing or oil impregnated bearing hinges unless.
 4. Hinge Options: Comply with the following:
 - a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors. Hospital tip.
 5. Manufacturers:
 - a. Hager Companies (HA) - BB Series, 5 knuckle.
 - b. McKinney (MK) - TA/T4A Series, 5 knuckle.
 - c. Or approved equal.

2.02 CONTINUOUS HINGES

- A. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 continuous geared hinge with a minimum of 0.120" thick extruded 6063-T6 aluminum alloy hinge leaves and a minimum overall width of 4". Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.
 1. Manufacturers:
 - a. Ives (IV).
 - b. Pemko (PE).
 - c. Or approved equal.

2.03 POWER TRANSFER DEVICES

- A. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.
 1. Manufacturers:
 - a. Pemko (PE) - EL-CEPT Series.
 - b. Securitron (SU) - EL-CEPT Series.
 - c. Or approved equal.
- B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two (2) per electrified opening.
 1. Provide one each of the following tools as part of the base bid contract:
 - a. McKinney (MK) - Electrical Connecting Kit: QC-R001.
 - b. McKinney (MK) - Connector Hand Tool: QC-R003.
 2. Manufacturers:
 - a. Hager Companies (HA) - Quick Connect.
 - b. McKinney (MK) - QC-C Series.
 - c. Or approved equal.

2.04 DOOR OPERATING TRIM

- A. Flush Bolts and Surface Bolts: Provide products conforming to ANSI/BHMA A156.3 and A156.16, Grade 1.
 - 1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately 6' from the floor.
 - 2. Furnish dust proof strikes for bottom bolts.
 - 3. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
 - 4. Manufacturers:
 - a. Ives (IV).
 - b. Rockwood (RO).
 - c. Or approved equal.
- B. Coordinators: ANSI/BHMA A156.3 door coordinators consisting of active-leaf, hold-open lever and inactive-leaf release trigger. Model as indicated in hardware sets.
 - 1. Manufacturers:
 - a. Ives (IV).
 - b. Rockwood (RO).
 - c. Or approved equal.
- C. Door Push Plates and Pulls: ANSI/BHMA A156.6 door pushes and pull units of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
 - 1. Push/Pull Plates: Minimum .050" thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
 - 2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2-1/2" from face of door unless otherwise indicated.
 - 3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2-1/2" from face of door and offset of 90 degrees unless otherwise indicated.
 - 4. Pulls, where applicable, shall be provided with a 10" clearance from the finished floor on the push side to accommodate wheelchair accessibility.
 - 5. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
 - 6. Manufacturers:
 - a. Ives (IV).
 - b. Rockwood (RO).
 - c. Or approved equal.

2.05 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have a minimum of 10 years experience designing secured master key systems and have on record a published security keying system policy.
 - 1. Manufacturers:
 - a. dormakaba Best (BE).
 - b. Match Existing, Field Verify.
 - c. Or approved equal.
- B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:
 - 1. Threaded mortise cylinders with rings and cams to suit hardware application.
 - 2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 - 3. Bored or cylindrical lock cylinders with tailpieces as required to suit locks.
 - 4. Tubular deadlocks and other auxiliary locks.
 - 5. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 - 6. Keyway: Match Facility Standard.
 - 7. Provide removable core for each cylinder; coordinate with Owner as required.
- C. Small Format Interchangeable Cores: Provide small format interchangeable cores (SFIC) as specified, core insert, removable by use of a special key; usable with other manufacturers' cylinders.
 - 1. Match facility pin orientation.

- D. Keying System: Each type of lock and cylinders to be factory keyed.
 - 1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
 - 2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
 - 3. Existing System: Field verify and key cylinders to match Owner's existing system.
- E. Key Quantity: Provide the following minimum number of keys:
 - 1. Change Keys per Cylinder: Two (2)
 - 2. Master Keys (per Master Key Level/Group): Five (5).
 - 3. Construction Control Keys (where required): Two (2).
 - 4. Permanent Control Keys (where required): Two (2).
- F. Construction Keying: Provide temporary keyed construction cores.
- G. Key Registration List (Bitting List):
 - 1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
 - 2. Provide transcript list in writing or electronic file as directed by the Owner.

2.06 MORTISE LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all features and functionality as specified herein.
 - 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ML2000 Series.
 - b. Sargent Manufacturing (SA) - 8200 Series.
 - c. Schlage (SC) - L9000 Series.
 - d. Or approved equal.

2.07 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
 - 1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
 - 2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
 - 3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
 - 4. Double-lipped Strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.
- B. Standards: Comply with the following:
 - 1. Strikes for Mortise Locks and Latches: BHMA A156.13.
 - 2. Strikes for Bored Locks and Latches: BHMA A156.2.
 - 3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
 - 4. Dustproof Strikes: BHMA A156.16.

2.08 ELECTRIC STRIKES

- A. Surface Mounted Rim Electric Strikes: Surface mounted rim exit device electric strikes conforming to ANSI/BHMA A156.31, Grade 1, and UL Listed for both Burglary Resistance and for use on fire rated door assemblies. Construction includes internally mounted solenoid with two heavy-duty, stainless steel locking mechanisms operating independently to provide tamper resistance. Strikes tested for a minimum of 500,000 operating cycles. Provide strikes with 12 or 24 VDC capability supplied standard as fail-secure unless otherwise specified. Option available for latchbolt and latchbolt strike monitoring indicating both the position of the latchbolt and locked condition of the strike. Strike requires no cutting to the jamb prior to installation.
 - 1. Manufacturers:
 - a. HES (HS) - 9400/9500/9600/9700/9800 Series.
 - b. Von Duprin (VD) - VD3146/6200/6300 Series.
 - c. Or approved equal.

- B. Provide electric strikes with in-line power controller and surge suppressor by the same manufacturer as the strike with the combined products having a 5 year warranty.

2.09 CONVENTIONAL EXIT DEVICES

- A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:
 - 1. Exit devices shall have a 5 year warranty.
 - 2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
 - 3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
 - 4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
 - 5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
 - 6. Flush End Caps: Provide flush end caps made of architectural metal in the same finish as the devices as in the Hardware Sets. Plastic end caps will not be acceptable.
 - 7. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.
 - a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
 - b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
 - 8. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
 - 9. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
 - 10. Dummy Push Bar: Non-functioning push bar matching functional push bar.
 - 11. Rail Sizing: Provide exit device rails factory sized for proper door width application.
 - 12. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.
- B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.
 - 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.
 - b. Sargent Manufacturing (SA) - 80 Series.
 - c. Von Duprin (VD) - 35A/98 XP Series.
 - d. Or approved equal.

2.10 DOOR CLOSERS

- A. All door closers specified herein shall meet or exceed the following criteria:
 - 1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
 - 2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
 - 3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
 - 4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets. Parallel arm.

5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
 6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.
1. Heavy duty surface mounted door closers shall have a 30 year warranty.
 2. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DC6000 Series.
 - b. Norton Rixson (NO) - 7500 Series.
 - c. Sargent Manufacturing (SA) - 351 Series.
 - d. Or approved equal

2.11 ARCHITECTURAL TRIM

- A. Door Protective Trim:
1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
 2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
 3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.
 4. Protection Plates: A NSI/BHMA A156.6 protection plates (kick, armor, or mop), fabricated from the following:
 - a. Stainless Steel: 300 grade, 050" thick.
 5. Options and Fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
 6. Manufacturers:
 - a. Ives (IV).
 - b. Rockwood (RO).
 - c. Or approved equal.

2.12 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
1. Manufacturers:
 - a. Ives (IV).
 - b. Rockwood (RO).
 - c. Or approved equal.
- C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
1. Manufacturers:
 - a. Norton Rixson (RF).

- b. Sargent Manufacturing (SA).
- c. Or approved equal.

2.13 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
 - 1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
 - 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NPFA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Manufacturers:
 - 1. Pemko (PE).
 - 2. Reese Enterprises, Inc. (RE).
 - 3. Or approved equal.

2.14 ELECTRONIC ACCESSORIES

- A. Intelligent Switching Power Supplies: Provide power supplies with single, dual or multi-voltage configurations at 12 and/or 24VDC. Power Supply shall have battery backup function with an integrated battery charging circuit. The power supply shall have a standard, integrated Fire Alarm Interface (FAI). The power supply shall provide capability for secondary voltage, power distribution, direct lock control and network monitoring through add on modules. The power supply shall be expandable up to 16 individually protected outputs. Output modules shall provide individually protected, continuous outputs and/or individually protected, relay controlled outputs. Network modules shall provide remote monitoring functions such as status reporting, fault reporting and information logging.
 - 1. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.
 - 2. Manufacturers:
 - a. Securitron (SU) - AQL Series.
 - b. Or approved equal.

2.15 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.16 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.02 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.03 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to Specifications.
 - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames".
 - 2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
 - 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities".
 - 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- D. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Section 07 9000 – Joint Sealants.
- E. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.04 FIELD QUALITY CONTROL

- A. Field Inspection (Punch Report): Reference 01 7000 – Execution and Closeout Requirements. Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.
 - 1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.

3.05 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.06 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.

- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.07 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.08 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
 - 1. Quantities listed are for each pair of doors, or for each single door.
 - 2. The supplier is responsible for handing and sizing all products.
 - 3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
 - 4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.
- B. Manufacturer's Abbreviations:
 - 1. MK – McKinney
 - 2. PE – Pemko
 - 3. RO – Rockwood
 - 4. SA – Sargent
 - 5. HS – HES
 - 6. SU – Securitron
 - 7. OT - Other

Hardware Sets				
General Note: Infill and finish, conceal, or sleeve original fastener holes as required where exposed.				
Set 1.0		Door 140		
1	Continuous Hinge	CFM_HD1 EL-CEPT x Length Required		PE
1	Rim Exit Device, Storeroom	16 43 72 8804 Less Pull	US32D	SA
1	Small Format Inter Core	Match existing	US15	SA
1	Electric Strike	9600	630	HS
1	SMART Pac Bridge Rectifier	2005M3		HS
1	Offset Pull	RM222 Mtg-Type 12XHD	US32D	RO
1	Concealed Overhead Stop	690S	EN	SA
1	Surface Closer	351 P10	EN	SA
1	Gasketing	290APK x 2891APK		PE
1	Sweep	3452CNB x Length Required		PE
1	Threshold	2750A x Length (field verify width)		PE
1	ElectroLynx Harness - Frame	QC-C1500P		MK
1	Card Reader	Signo 40 series		HID
1	Power Supply	AQL4-R8E1 x Relays as Required		SU
1	Wiring Diagram	Elevation and Point to Point as Specified		OT
Notes: Operational narrative: - Door normally closed and secure.				

- Authorized access by presentation of valid credentials releases electric strike for a predetermined amount of time.
- Egress free more immediate exit.
- Electric strike remains locked (fail secure) in the event of power loss or fire alarm activation.
- Keyed cylinder override for emergency access.

Set 2.0 Doors 144A, 144B

2	Continuous Hinges	CFM_SLF-HD1-M		PE
1	Mullion	980	A	SA
1	Rim Exit Device, Classroom	CPC 43 72 8810 16 ETL (NC-E35)	US32D	SA
1	Rim Exit Device, Classroom	CPC 43 72 8813 16 ETL (NC-E35)	US32D	SA
3	Small Format Inter Cores	Match existing	US15	SA
3	Cylinders	72 980C1	US26D	SA
2	Surface Closers	351 OTB	EN	SA
2	Wall Stops	RM860 (or) RM861 (as required)	US26D	RO
2	Sweeps	3452CNB x Length Required		PE
1	Threshold	273x224AFGT x Length Required x MSES25SS		PE

Note:

- - Provide Perimeter/meeting seals by frame/door supplier.

Set 3.0 Doors 128A, 128B

2	Continuous Hinge	CFM_SLF-HD1-M		PE
2	Surface Vert Rods Exit, Classroom	[12] 43 72 NB8713 ETL	US32D	SA
2	Small Format Inter Cores	Match existing	US15	SA
2	Surface Closers	351 P10	EN	SA
2	Kick Plates	K1050 10" high BEV CSK	US32D	RO
2	Wall Stops	RM860 (or) RM861 (as required)	US26D	RO
2	Astragals	S772C x Door Height (mechanically attached)		PE
2	Gasketing	S88BL (head and jambs)		PE

Set 4.0 Door 135A

2	Continuous Hinges	CFM_SLF-HD1-M	US26D	PE
2	Rim Exit Devices, Classroom	12 CPC 43 72 8813 16 ETL (NC-E35)		SA
2	Small Format Inter Cores	Match existing	US15	SA
2	Concealed Overhead Stops	690S	EN	SA
2	Surface Closers	351 CPS	EN	SA
2	Astragals	S772C x Door Height (mechanically attached)		PE
2	Gasketing	S88BL (head and jambs)		PE
2	Sweeps	3452CNB x Length Required		PE

Set 5.0 Door 135C

3	Hinges, Full Mortise	TA2714 [NRP] FT	US26D	MK
1	Storeroom/Closet Lock	72 8204 LL	US26D	SA
1	Small Format Inter Core	Match existing	US15	SA

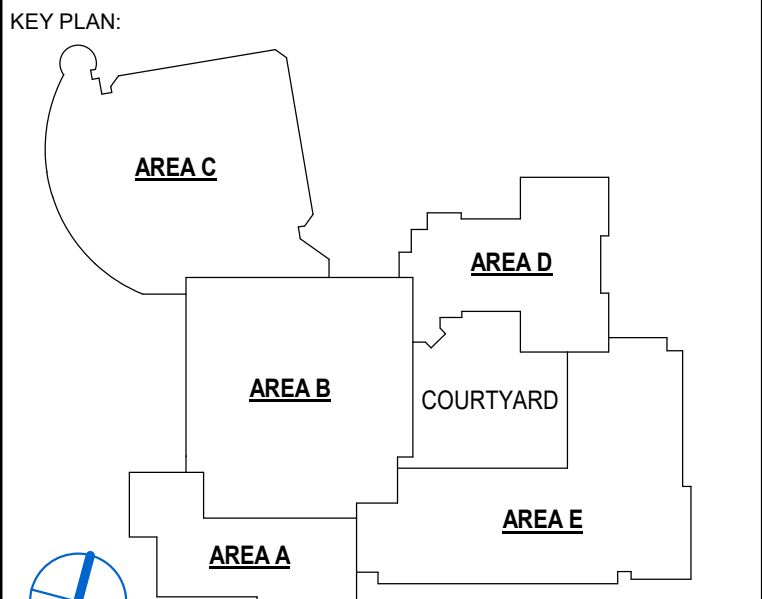
1	Surface Closer	351 UO	EN	SA
1	Kick Plate	K1050 10" high BEV CSK	US32D	RO
1	Wall Stop	RM860 (or) RM861 (as required)	US26D	RO
1	Gasketing	S88BL (head and jambs)		PE
Set 6.0 Door 124DA				
3	Hinges, Full Mortise	TA2714 [NRP] FT	US26D	MK
1	Classroom Lock	72 8237 LL	US26D	SA
1	Surface Closer	351 UO	EN	SA
1	Wall Stop	RM860 (or) RM861 (as required)	US26D	RO
1	Gasketing	S88BL (head and jambs)		PE
Set 7.0 Doors 140A, 140B				
3	Hinges, Full Mortise	TA2714 [NRP] FT	US26D	MK
1	Institutional Privacy Lock	LB V21 72 8267 LL	US26D	SA
1	Small Format Inter Core	Match existing	US15	SA
1	Surface Closer	351 UO	EN	SA
1	Kick Plate	K1050 10" high BEV CSK	US32D	RO
1	Wall Stop	RM860 (or) RM861 (As Required)	US26D	RO
1	Gasketing	S88BL (head and jambs)		PE
Set 8.0 Doors 128C, 128D				
1	Door Hardware	Hardware by others (cylinder and core as required by General Contractor)		OT
Set 9.0 Gym Door				
1	Sweep	3452CNB x Length Required		PE
1	Astragal	S772C x Door Height (mechanically attach)		PE
1	Gasketing	S88BL (head and jambs)		PE
1	Perimeter Seal	Pemko 88		
General Note:				
- Provide two (2) items each for door pairs.				

END OF SECTION

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KEYNOTE LEGEND

REFLECTED CEILING PLAN LEGEND



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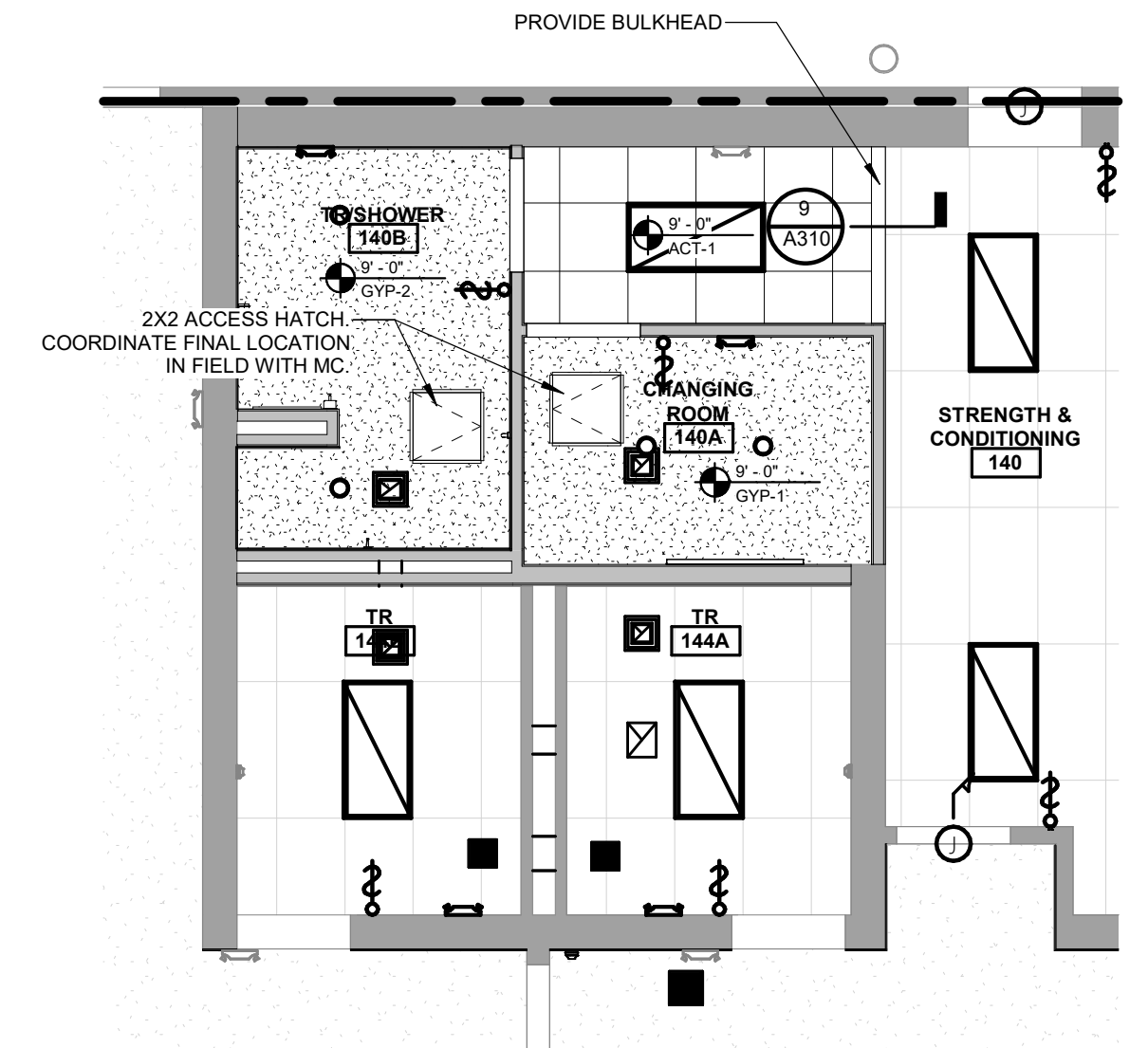


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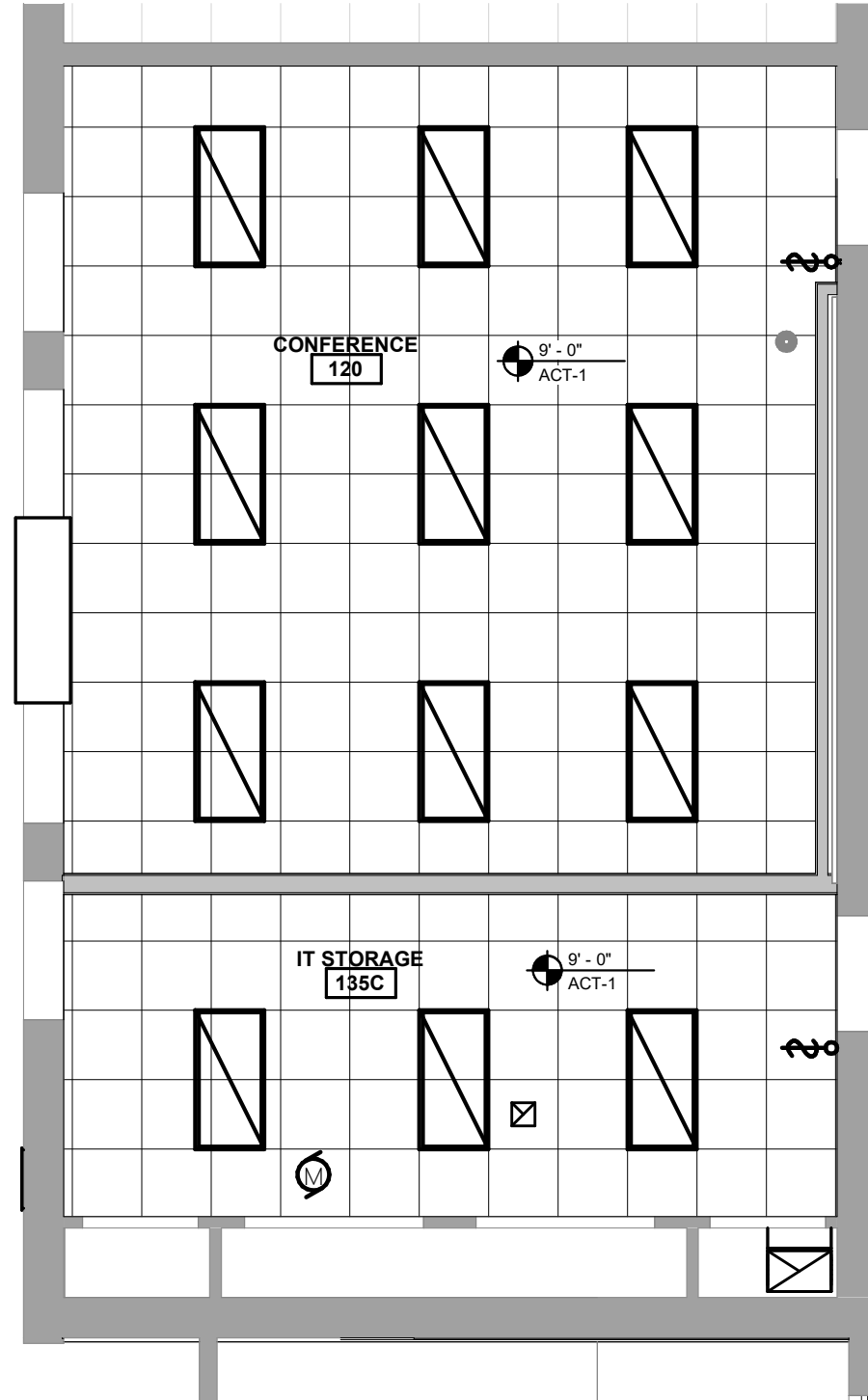
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ENLARGED REFLECTED CEILING PLANS

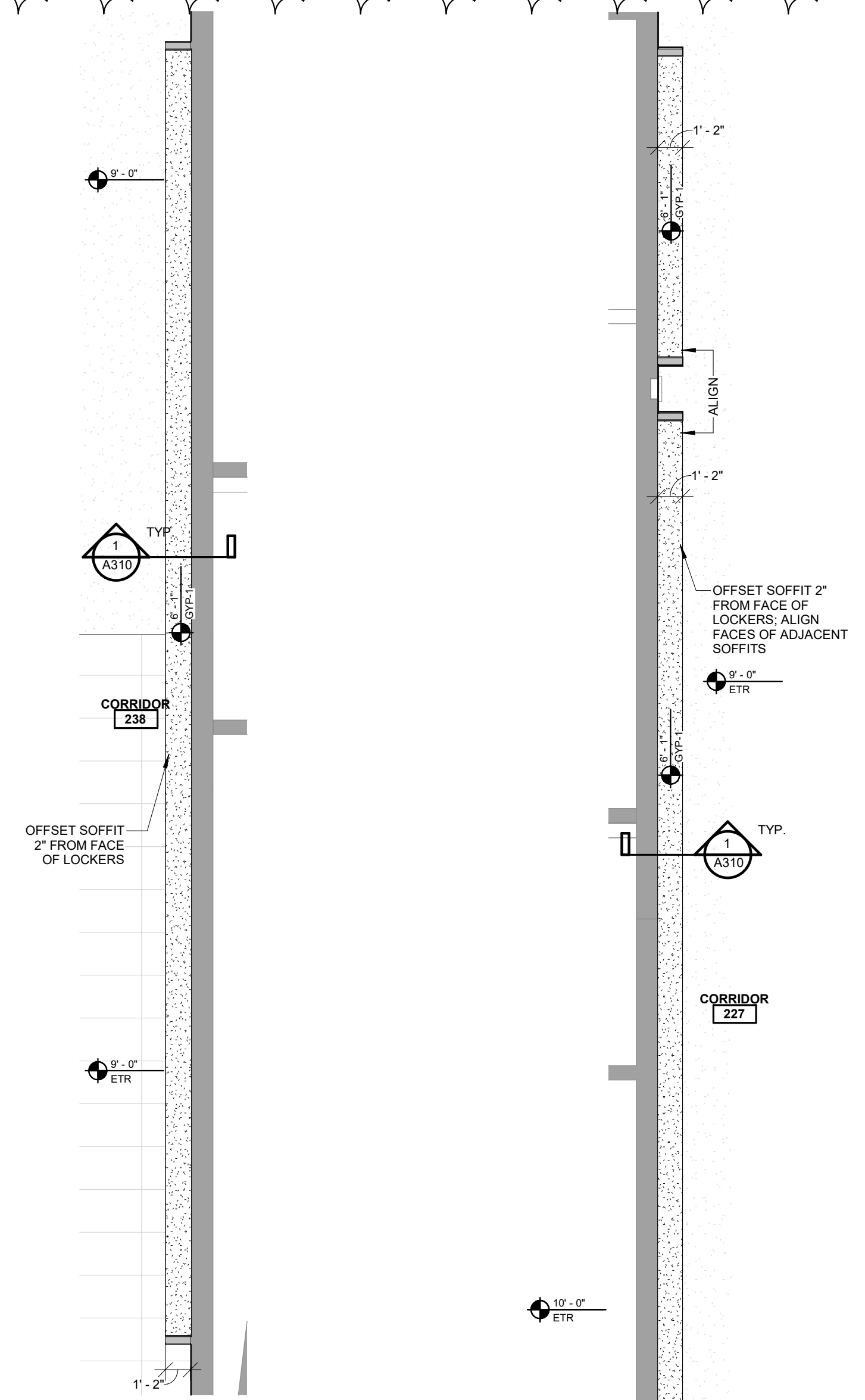
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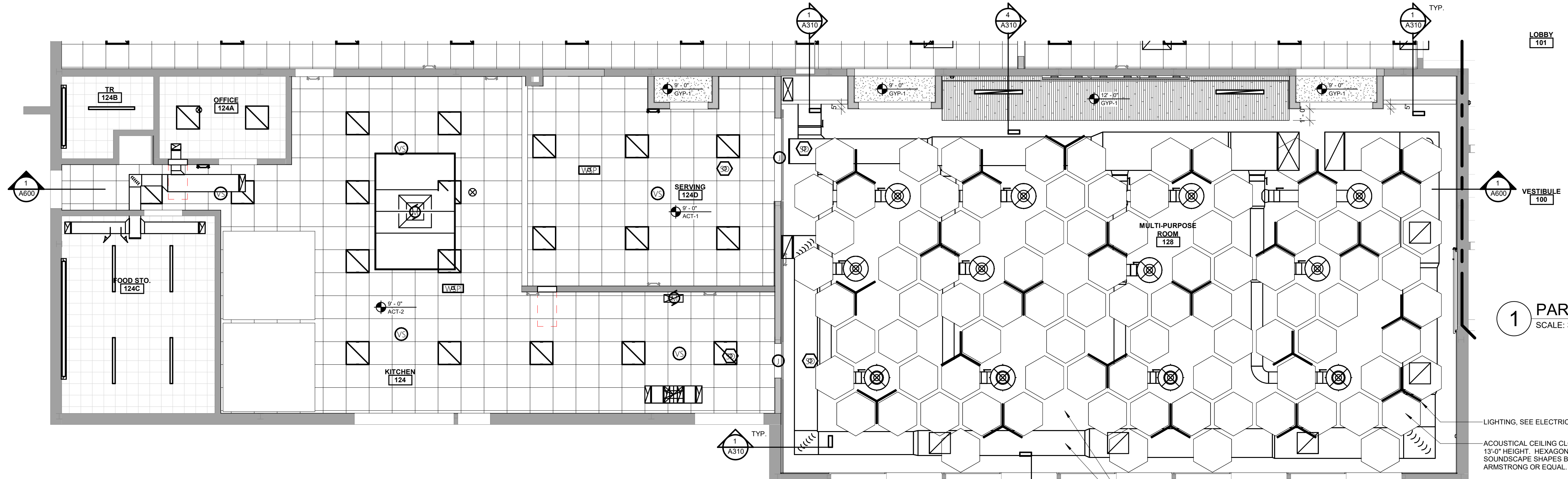
4 PARTIAL CEILING PLAN - 140
 SCALE: 3/16" = 1'-0"



3 PARTIAL CEILING PLAN - 120/135C
 SCALE: 3/16" = 1'-0"



2 PARTIAL CEILING PLAN - 238
 SCALE: 3/16" = 1'-0"



1 PARTIAL CEILING PLAN - 227
 SCALE: 3/16" = 1'-0"

5 PARTIAL CEILING PLAN - 124/128
 SCALE: 3/16" = 1'-0"

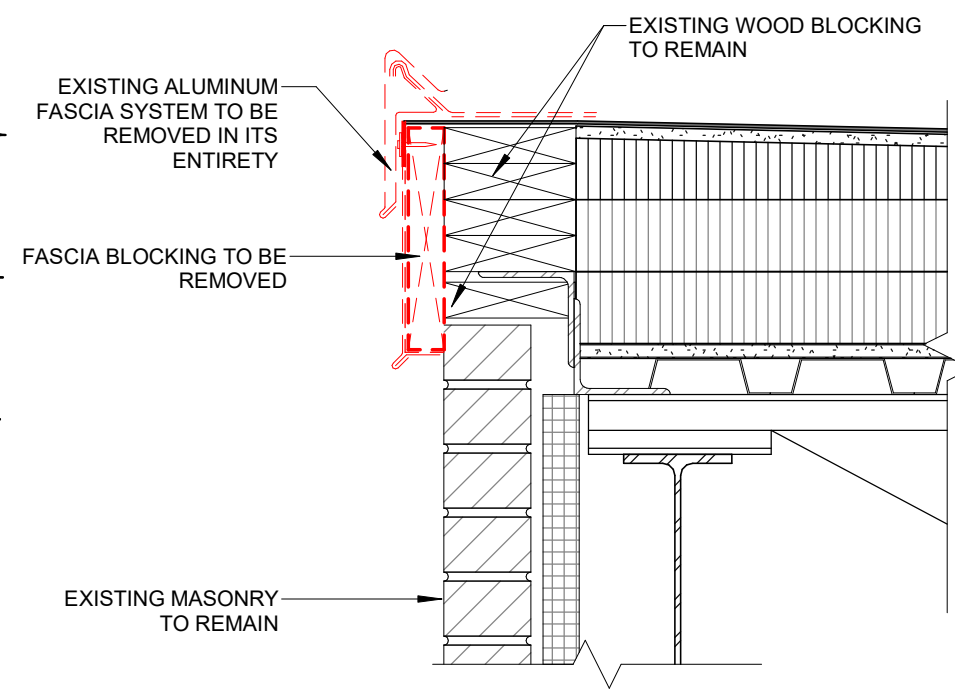
EXPOSED STRUCTURE, CONDUIT, ROOF DECK, DUCTWORK, MECHANICAL EQUIPMENT AND ACCESSORIES TO BE PRIMED AND PAINTED, PT-3, BY GC. TYPICAL WITHIN MULTI-PURPOSE ROOM

LIGHTING, SEE ELECTRICAL
 ACOUSTICAL CEILING CLOUD, ACC-1, 13'-0" HEIGHT, HEXAGON, SOUNDSCAPE SHAPES BY ARMSTRONG OR EQUAL.

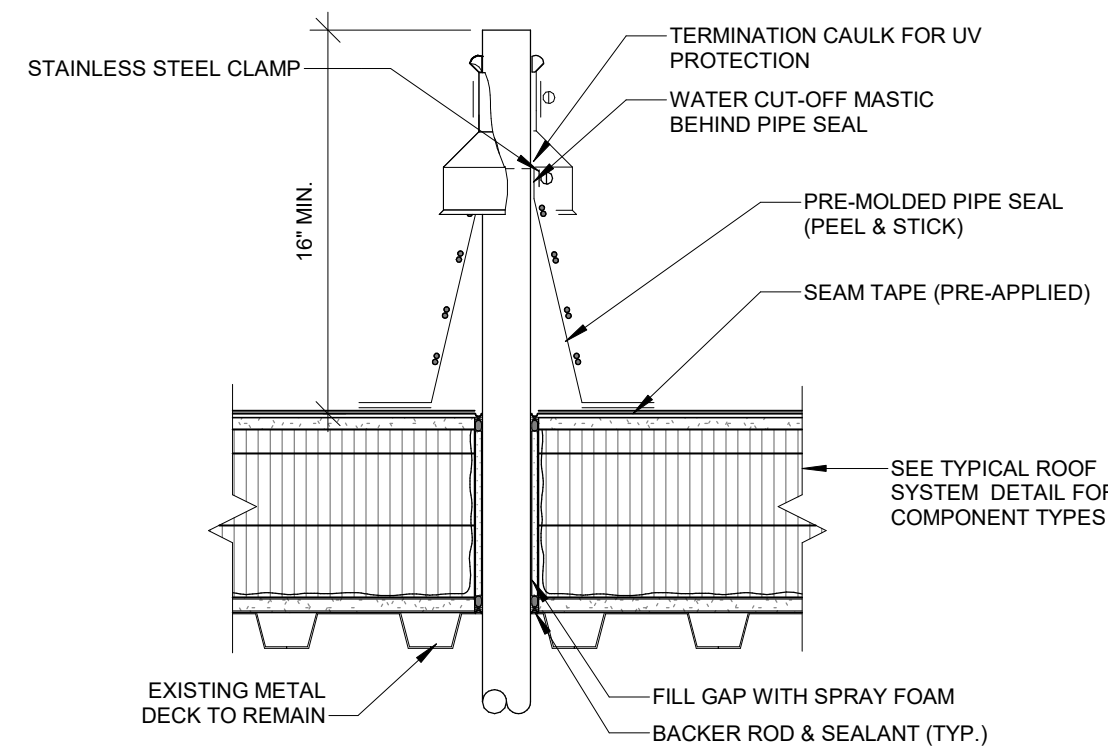
EXISTING PRECAST TO REMAIN (EXTERIOR)

3/28/2024 2:17:35 PM

AD1

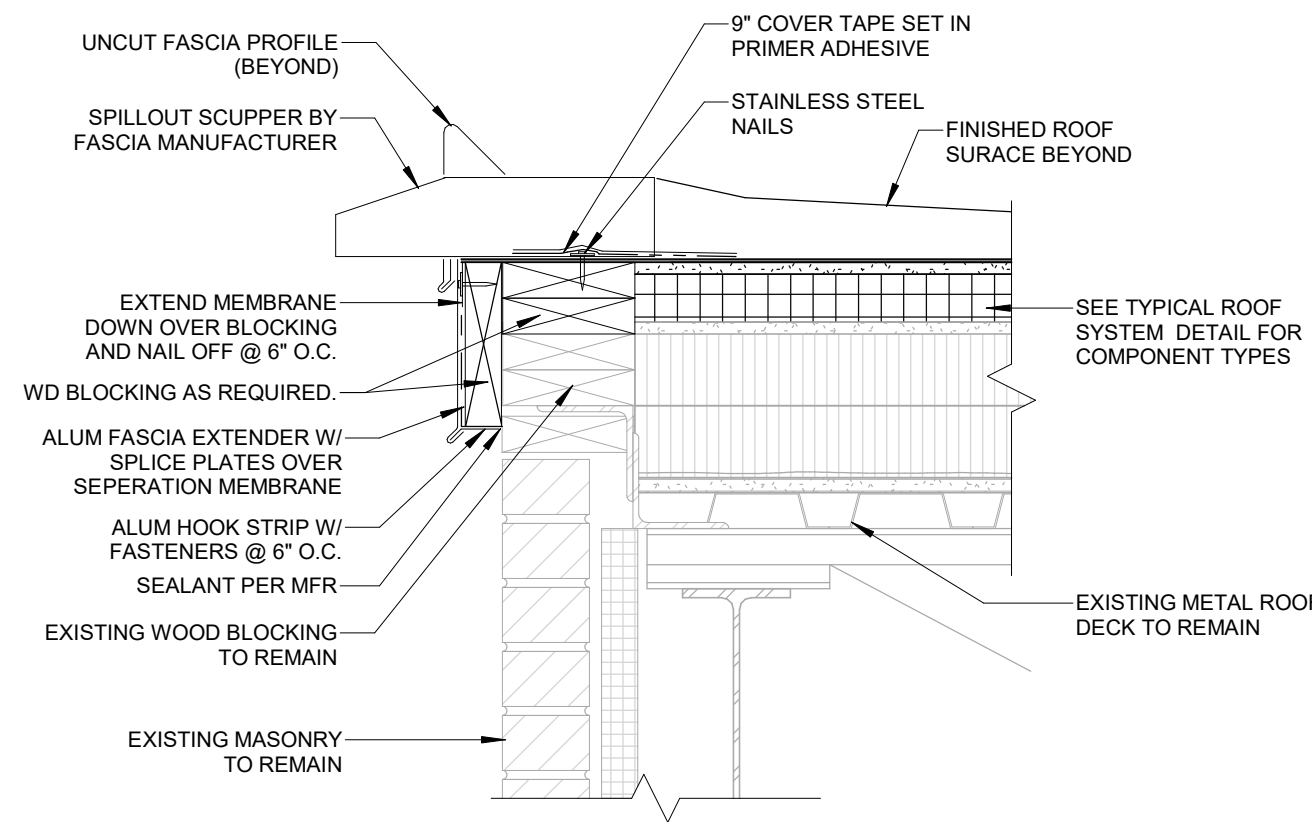


12 ROOF EDGE REMOVAL DETAIL
SCALE: 1 1/2" = 1'-0"



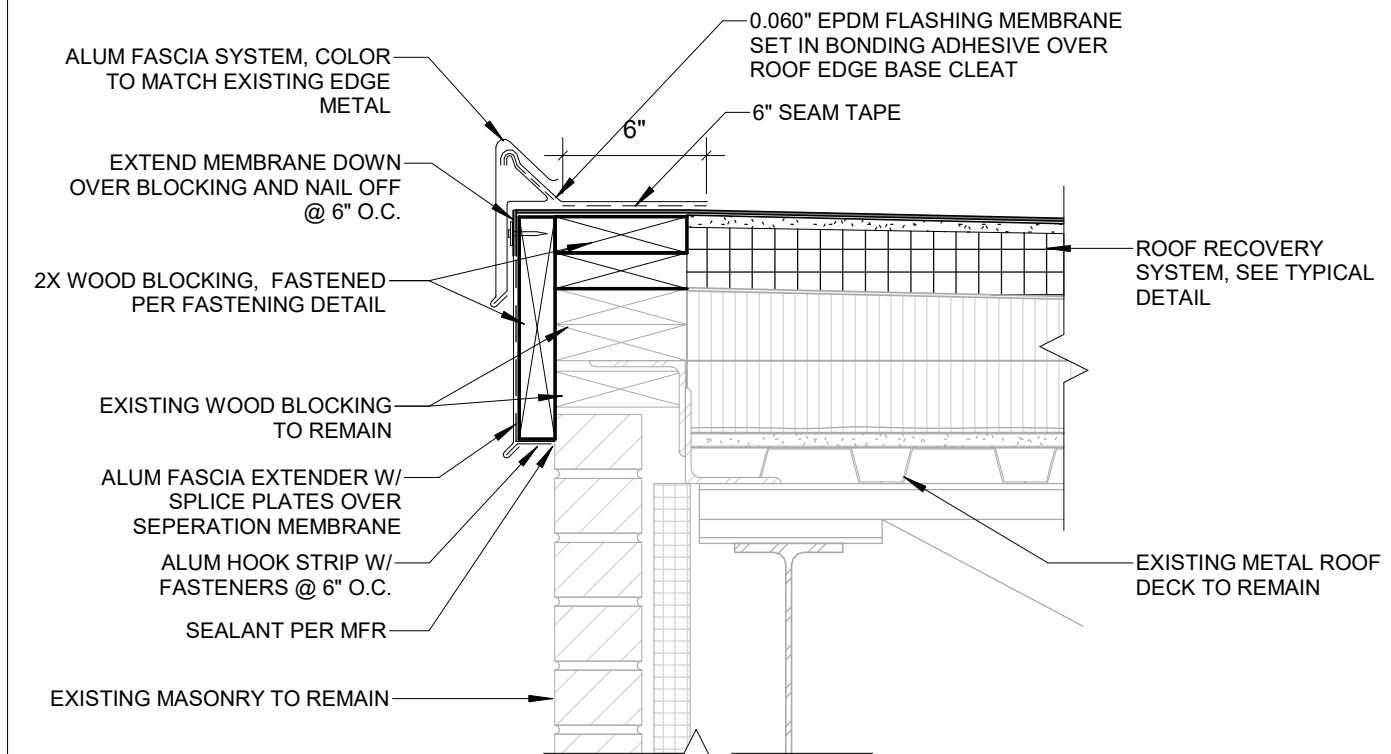
NOTE:
RAISE VENT PIPES A MINIMUM OF
16" ABOVE FINISH ROOF
MEMBRANE HEIGHT

9 EXISTING VENT DETAIL
SCALE: 1 1/2" = 1'-0"

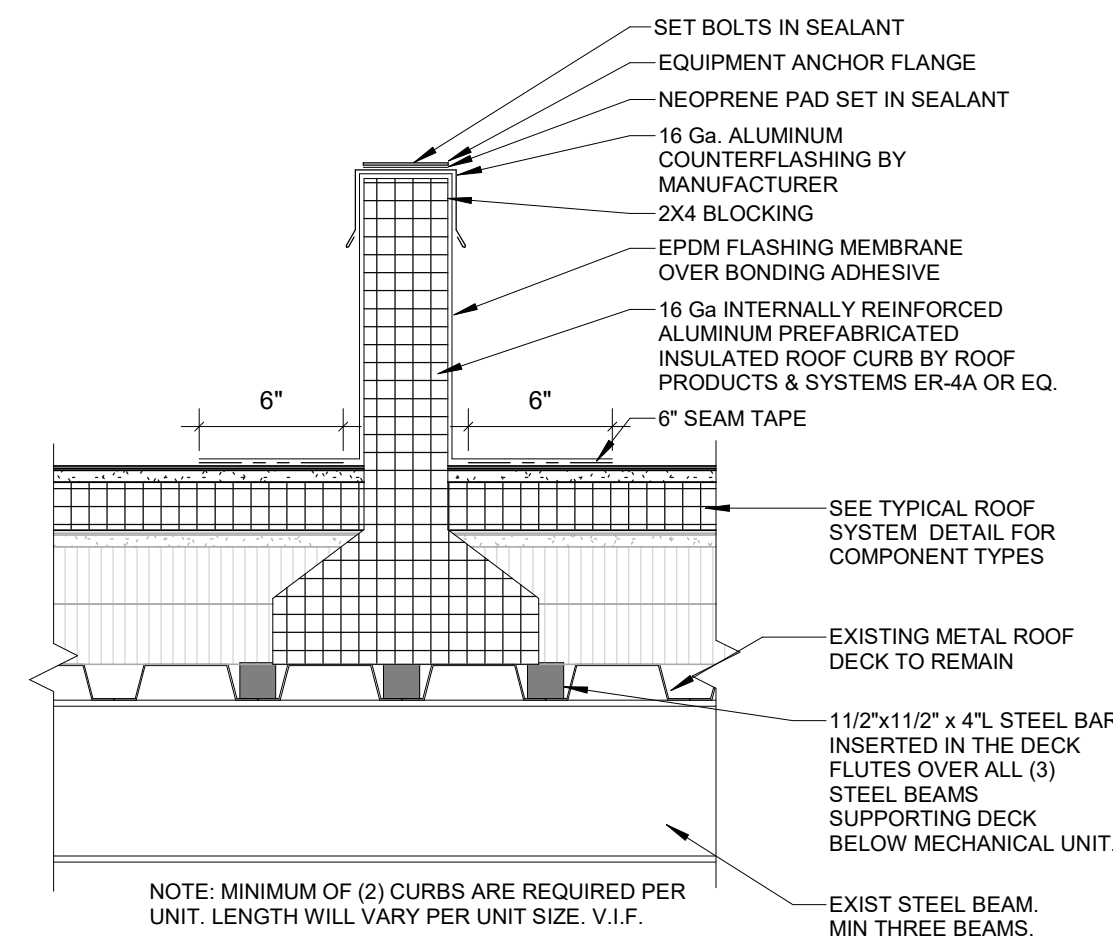


NOTE: SCUPPER TO BE MODIFIED/REPLACED TO
ACCOMMODATE NEW ROOF PROFILE. INSTALL IN EXISTING
LOCATION

6 TYPICAL ROOF SCUPPER DETAIL
SCALE: 1 1/2" = 1'-0"

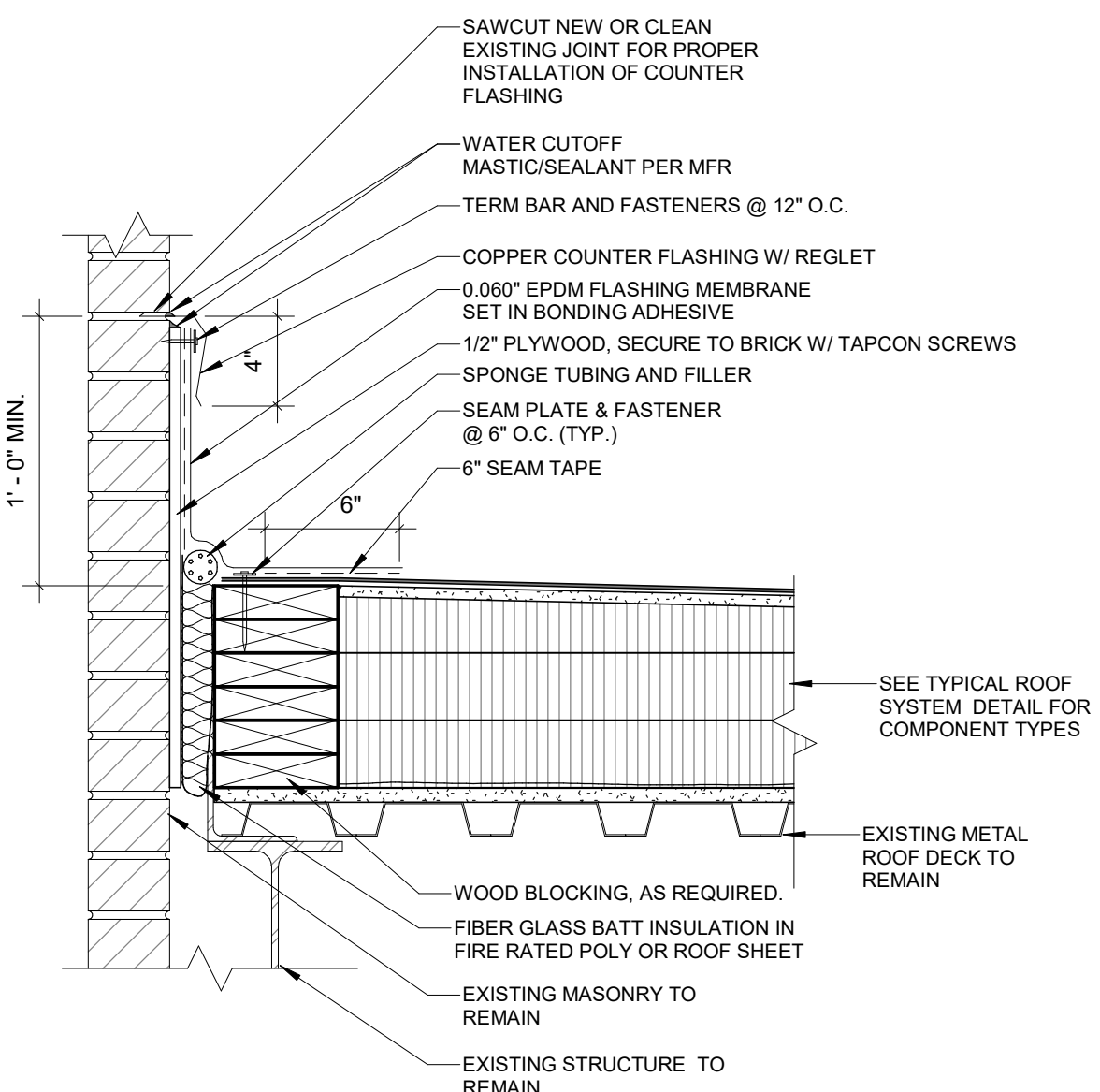


3 TYPICAL ROOF EDGE DETAIL
SCALE: 1 1/2" = 1'-0"

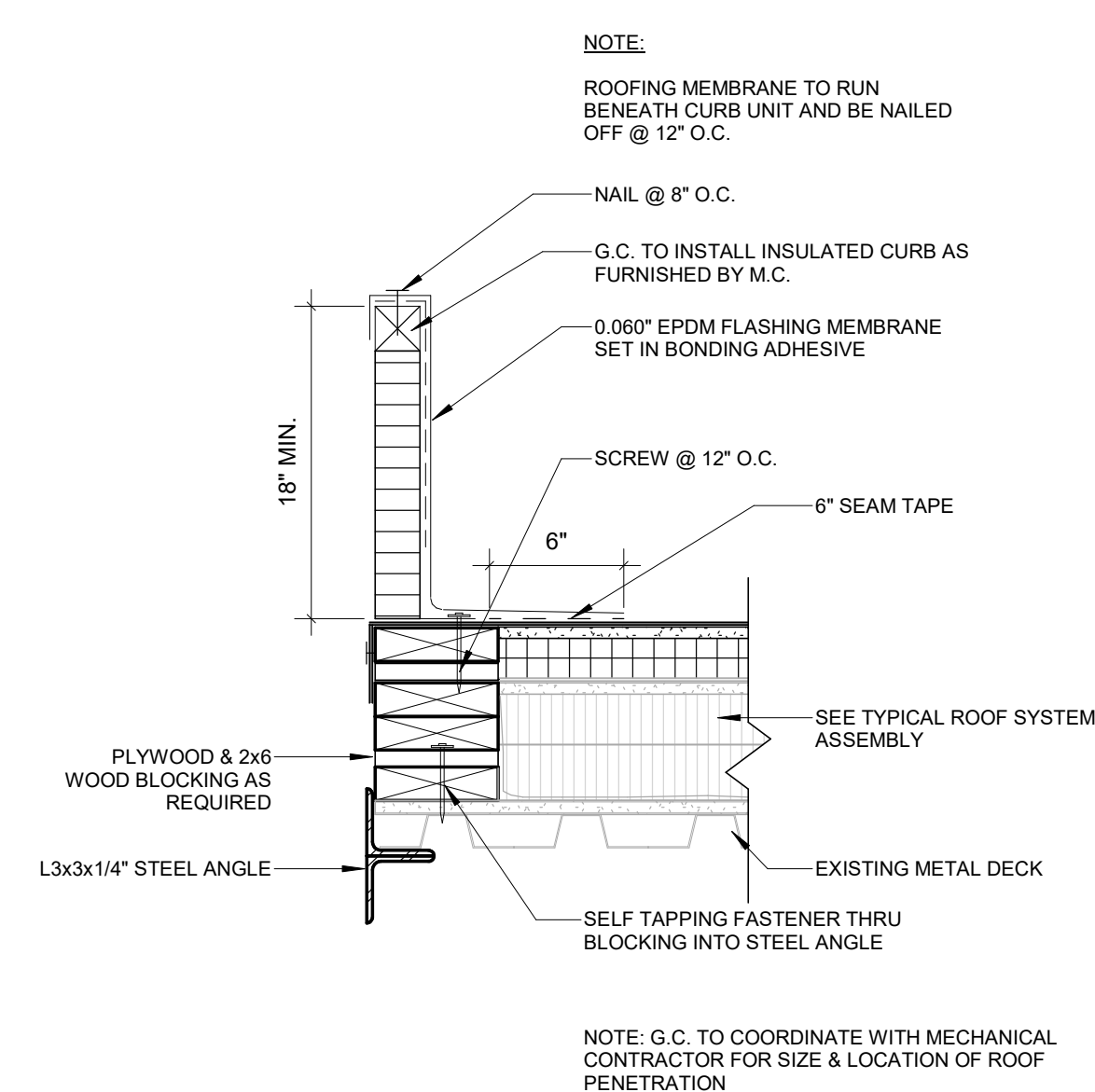


NOTE: MINIMUM OF (2) CURBS ARE REQUIRED PER
UNIT. LENGTH WILL VARY PER UNIT SIZE. V.I.F.

11 EQUIPMENT RAIL DETAIL
SCALE: 1 1/2" = 1'-0"



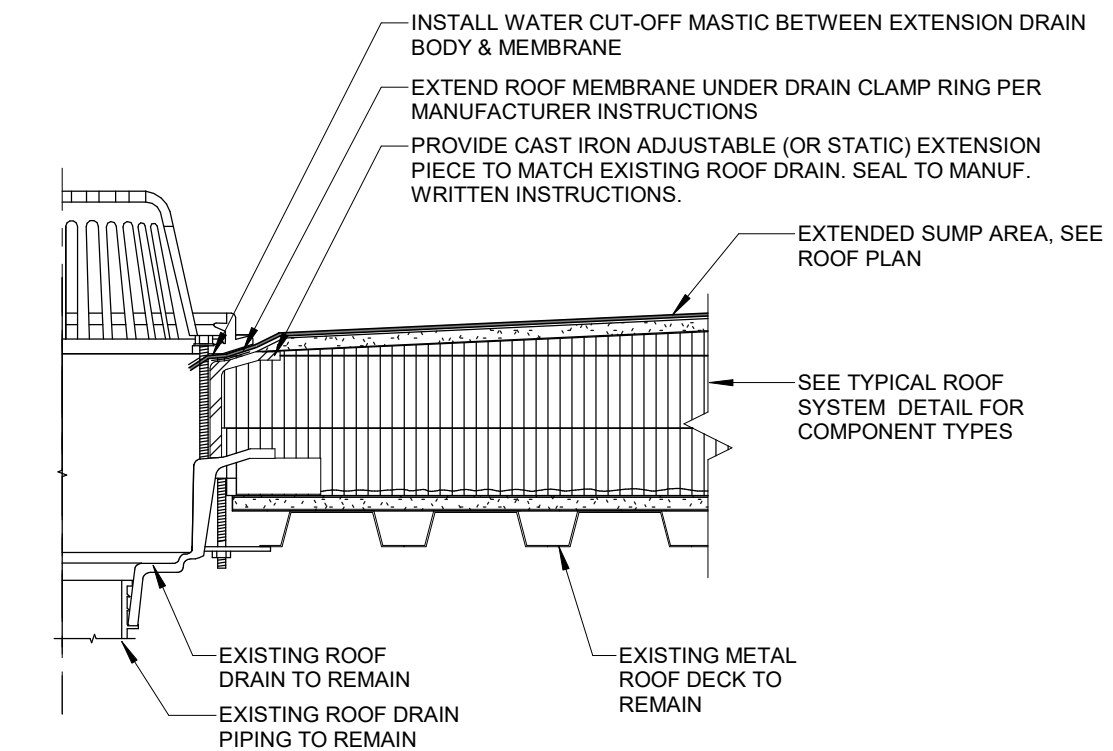
8 WALL FLASHING DETAIL
SCALE: 1 1/2" = 1'-0"



NOTE: G.C. TO COORDINATE WITH MECHANICAL
CONTRACTOR FOR SIZE & LOCATION OF ROOF
PENETRATION

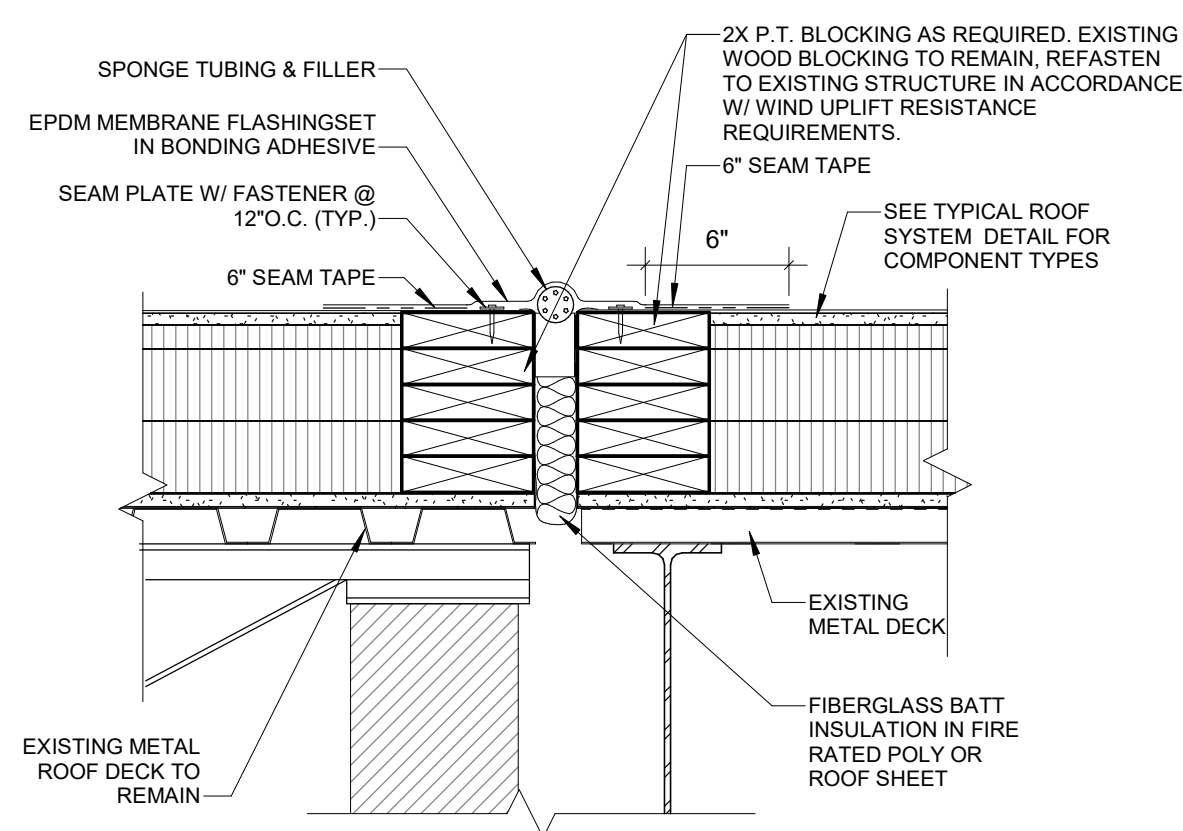
5 ROOF CURB DETAIL
SCALE: 1 1/2" = 1'-0"

- NOTES:
1. USE NON-REINFORCED EPDM MEMBRANE AS A SURFACE SPLICE AND EXTEND INTO DRAIN CLAMPING RING.
 2. WHEN A SQUARE OR RECTANGULAR SECTION OF NON-REINFORCED EPDM MEMBRANE IS USED AS A SURFACE SPLICE, ROUND THE CORNERS OF THE NON-REINFORCED MEMBRANE FOR PROPER SPLICING.
 3. LOCATE EDGE OF THE SURFACE SPLICE OUT OF THE DRAIN SUMP AT LEAST 36" IN ALL DIRECTIONS ONTO THE HORIZ. MEMBRANE.
 4. INSULATION TAPER SHALL NOT BE STEEPER THAN 6" VERTICAL IN 12" HORIZONTAL.

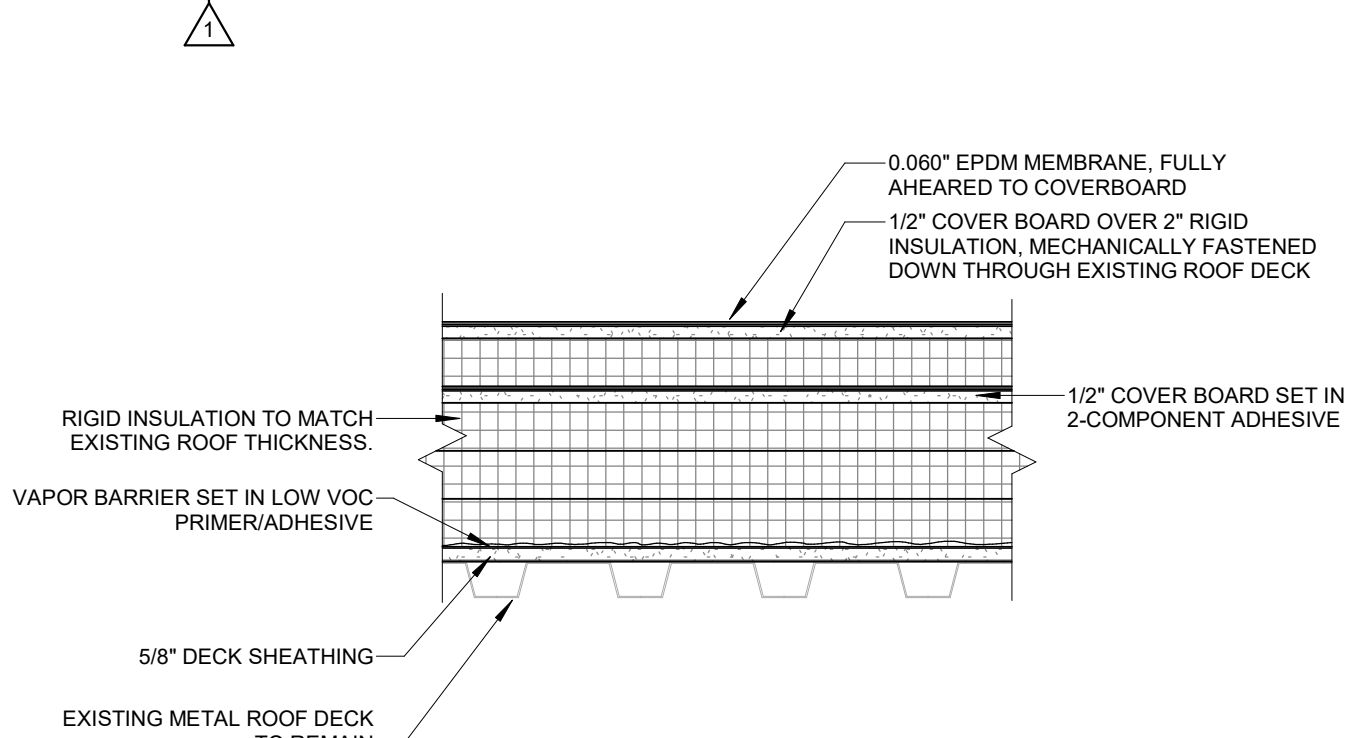


GENERAL NOTE:
THE TYPE OF ROOF DRAIN BODY MAY BE DIFFERENT THAN SHOWN IN THIS DETAIL.
DRAINS WILL ALL BE FURNISHED WITH CONVENTIONAL CAST IRON COMPONENTS

2 TYPICAL ROOF DRAIN DETAIL
SCALE: 1 1/2" = 1'-0"

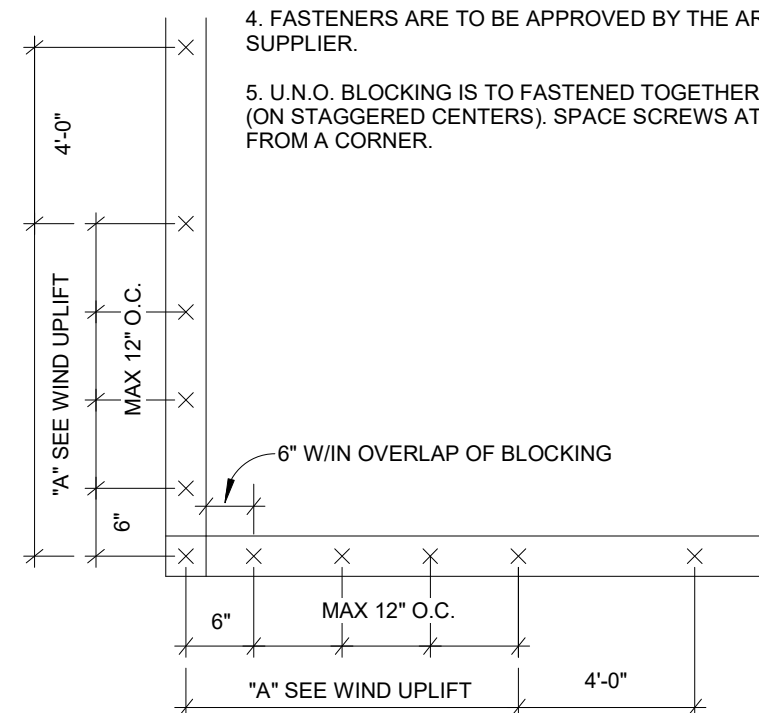


10 EXPANSION JOINT DETAIL
SCALE: 1 1/2" = 1'-0"

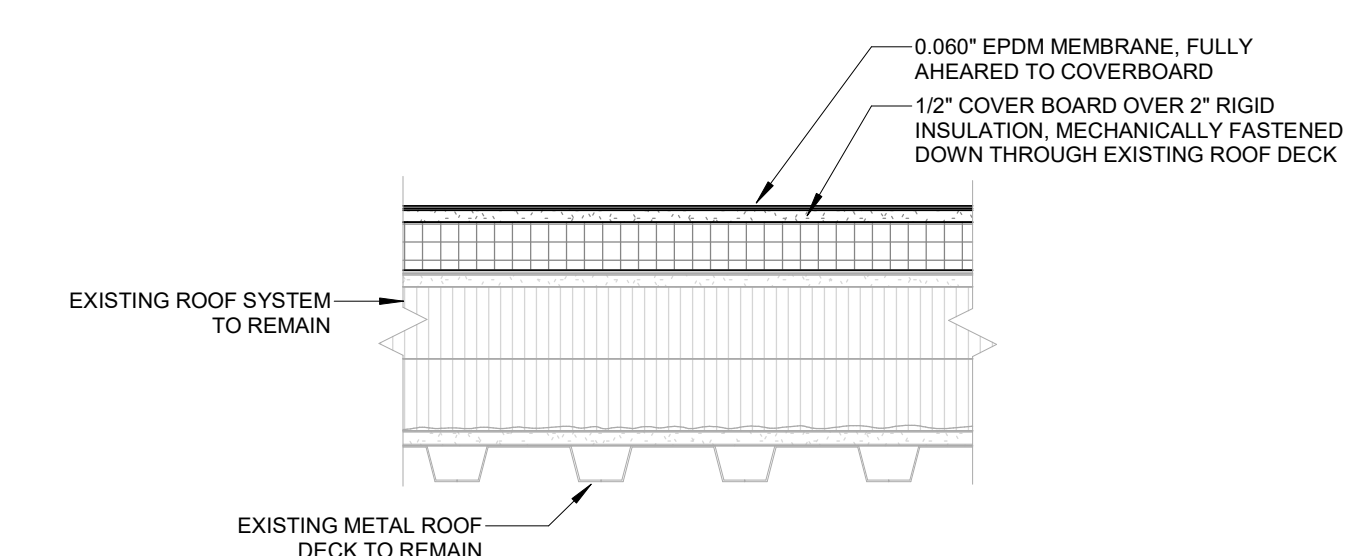


**7 ROOF INFILL DETAIL
(WET AREA INFILL AND RECOVERY SYSTEM)**
SCALE: 1 1/2" = 1'-0"

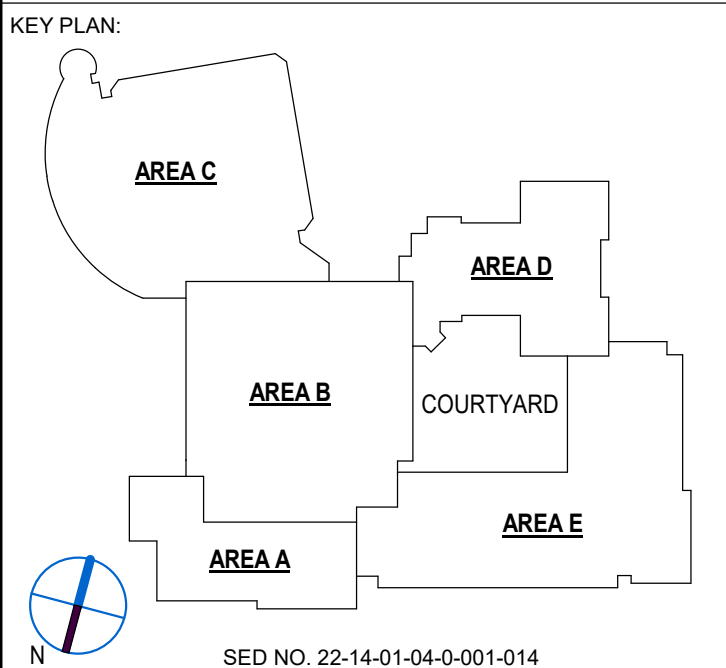
- NOTES:
1. CONTRACTOR TO CONFIRM INTEGRITY OF EXISTING WOOD PERIMETER BLOCKING AND RE-SECURE OR ADD FASTENERS AS NECESSARY TO MEET THE REQUIRED FASTENING PATTERN.
 2. WOOD BLOCKING FASTENERS ARE TO BE INSTALLED @ MAX 12" O.C. TYP WITHIN THE WIND UPLIFT DISTANCE "A" OF A CORNER AND @ MAX 48" O.C. ELSEWHERE.
 3. U.N.O. INSTALLED FASTENERS AND SUBSTRATE ARE HAVE A MINIMUM TENSION CAPACITY OF 300 POUNDS AND A MIN SHEAR CAPACITY OF 300 POUNDS. THE UNITY INTERACTION EQUATION MUST ALSO BE SATISFIED.
 4. FASTENERS ARE TO BE APPROVED BY THE ARCHITECT OF RECORD AND THE ROOFING SYSTEM SUPPLIER.
 5. U.N.O. BLOCKING IS TO FASTENED TOGETHER WITH #10 x 3" WOOD SCREWS SPACED A MAX 24" O.S.C. (ON STAGGERED CENTERS). SPACE SCREWS AT MAX 6" O.C. WITHIN THE WIND UPLIFT DISTANCE "A" FROM A CORNER.



**4 TYPICAL PERIMETER BLOCKING FASTENING
PATTERN ROOF REPLACEMENT**
SCALE: 1 1/2" = 1'-0"



**1 ROOF RECOVER DETAIL
(TYPICAL ROOF SYSTEM)**
SCALE: 1 1/2" = 1'-0"



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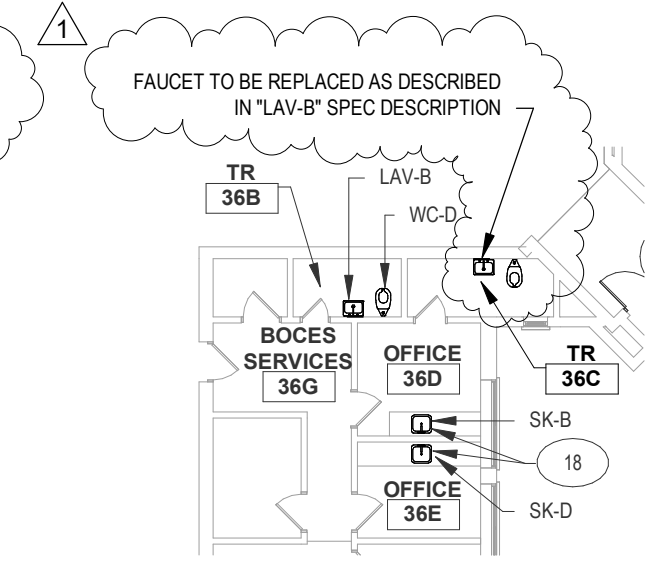
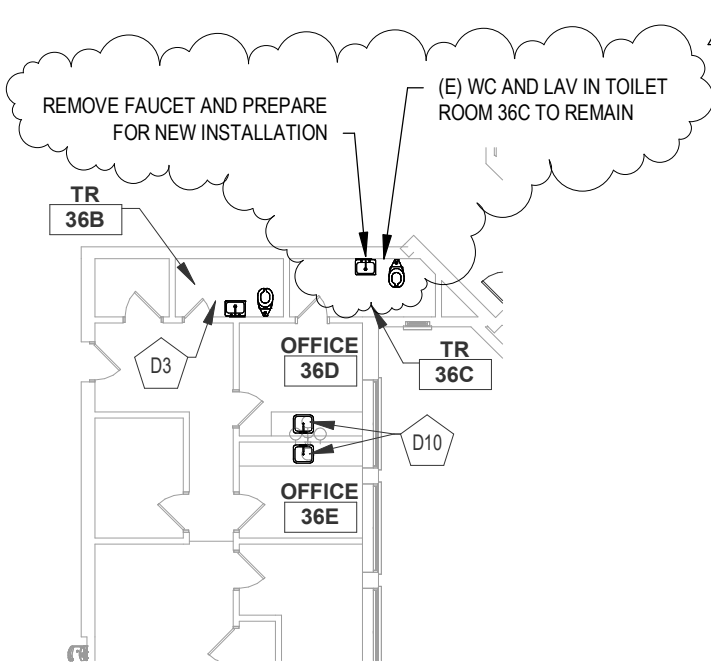
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DRAWN BY AUTHOR	PROJECT NUMBER 2022-052
CHECKED BY CHECKER	DATE 3/18/2024

ROOF DETAILS

SHEET NUMBER

AD1
A410
BID SET



1 PLUMBING DEMO
SCALE: 1/16" = 1'-0" - REFER TO PD101-

2 PLUMBING NEW WORK
SCALE: 1/16" = 1'-0" - REFER TO P101-

Designed By MCV	Checked By JLM	Reference No. PD101 & P101
Scale 1/16" = 1'-0"	Date 3/28/24	Project Number 2022-052

NURSES SUITE PLUMBING

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Sheet No.
AD1-P1



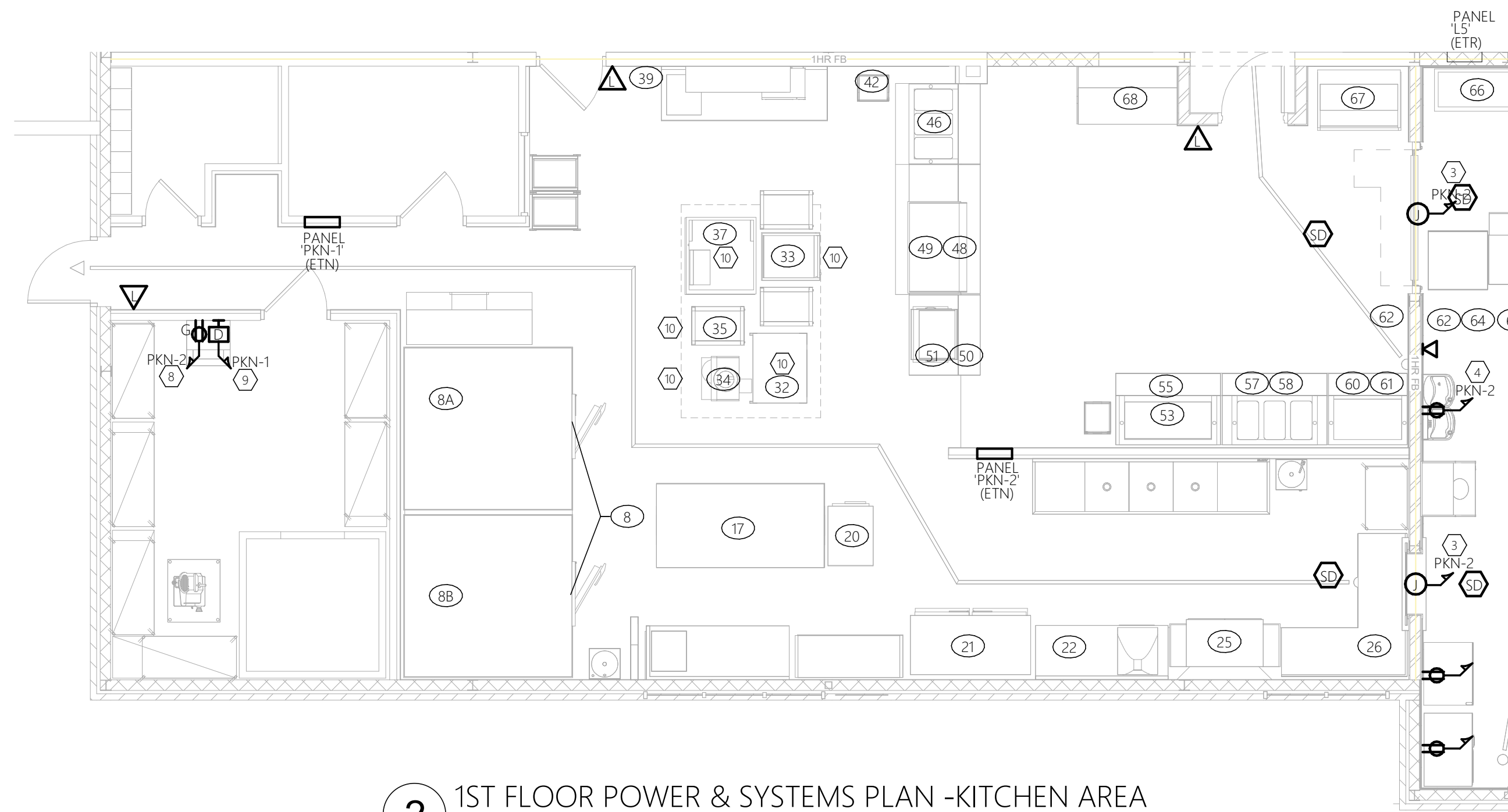
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THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE & NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES.

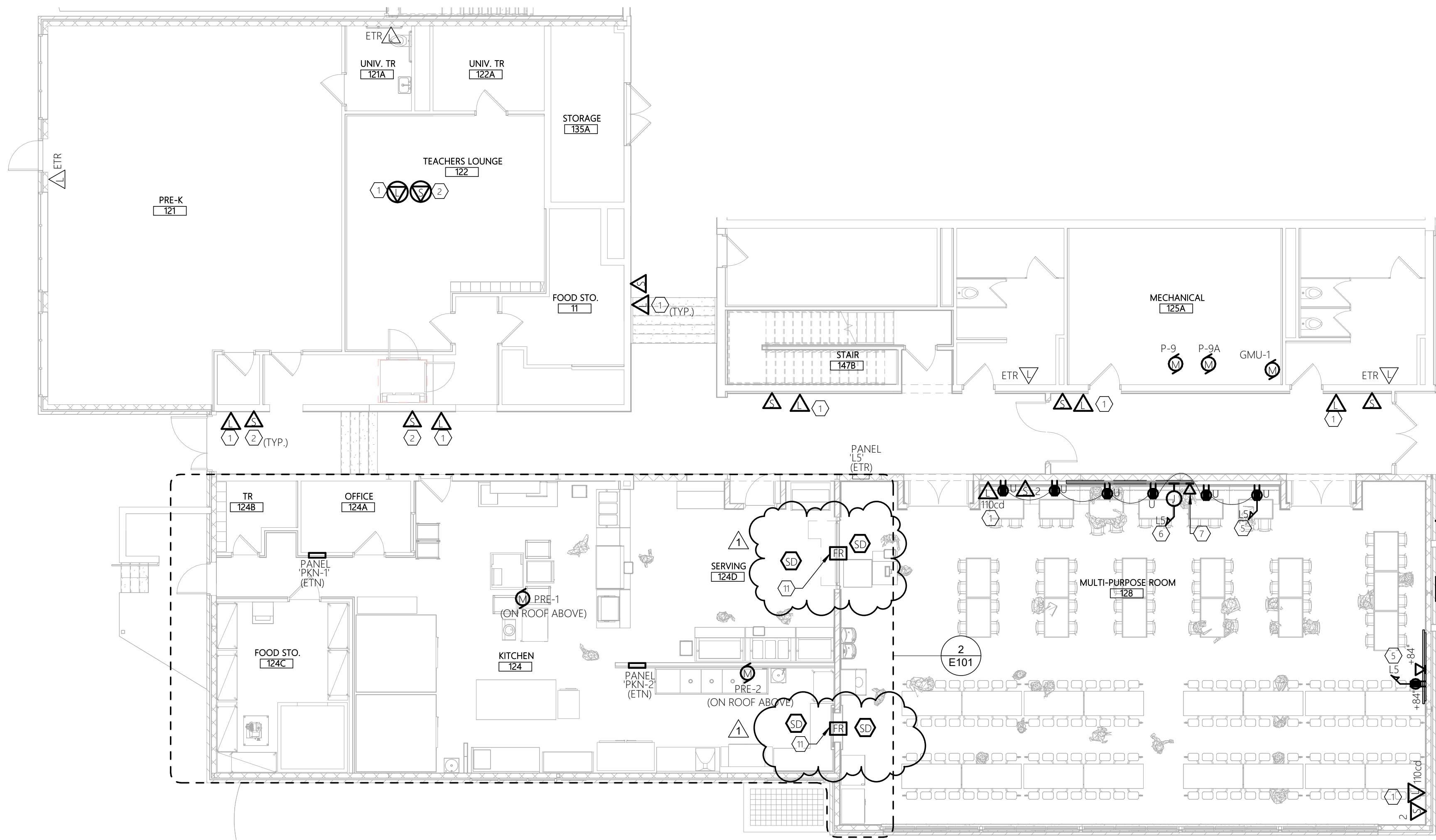
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SHEET KEY NOTES:

- 1 PROVIDE STROBE ONLY AT THIS LOCATION.
- 2 PROVIDE FIRE ALARM SPEAKER AT THIS LOCATION.
- 3 PROVIDE DEDICATED 120V, 20A CIRCUIT FOR ELECTRICALLY OPERATED ROLL-UP DOOR. PROVIDE ROUGH-IN IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 4 PROVIDE DEDICATED 120V, 20A CIRCUIT FROM PANEL PKN-2 FOR WATER FOUNTAIN. COORDINATE ROUGH-IN WITH MANUFACTURER'S RECOMMENDATIONS.
- 5 PROVIDE DEDICATED 120V, 20A CIRCUIT FROM PANEL LS FOR USB RECEPTACLES. UTILIZE EXISTING SPARE CIRCUIT BREAKER WITHIN PANEL FOR FEED.
- 6 PROVIDE DEDICATED 120V, 20A CIRCUIT FROM PANEL LS FOR VIDEO SCREEN. COORDINATE ROUGH-IN WITH MANUFACTURER'S RECOMMENDATIONS AND ARCHITECTURAL DETAILS.
- 7 PROVIDE DATA CONNECTION FOR VIDEO SCREEN. PROVIDE ROUGH-IN IN ACCORDANCE WITH ARCHITECTURAL DETAILS AND MANUFACTURER'S RECOMMENDATIONS. COORDINATE ALL WORK WITH CAMRUIS IT.
- 8 PROVIDE DEDICATED 120V, 20A CIRCUIT AND RECEPTACLE FOR STACKABLE WASHER. COORDINATE ELECTRICAL ROUGH-IN REQUIREMENTS (RECEPTACLE VS. DIRECT CONNECTION AND MOUNTING HEIGHT) WITH MANUFACTURER'S RECOMMENDATIONS.
- 9 PROVIDE DEDICATED 208V, 1PH, 30A CIRCUIT AND RECEPTACLE FOR STACKABLE DRYER. COORDINATE ELECTRICAL ROUGH-IN REQUIREMENTS (RECEPTACLE VS. DIRECT CONNECTION AND MOUNTING HEIGHT) WITH MANUFACTURER'S RECOMMENDATIONS.
- 10 RECONNECT RELOCATED KITCHEN EQUIPMENT UNIT TO CIRCUIT RETAINED DURING REMOVALS. INCLUDE ALL NECESSARY BOXES, CONDUIT/CONDUCTOR EXTENSION, ETC. MATCH EXISTING ELECTRICAL ROUGH-IN RECEPTACLES, DIRECT CONNECTION (M.C.).
- 11 FOR EACH COILING DOOR, PROVIDE SMOKE DETECTOR ON EACH SIDE OF DOOR AND FIRE RELAY WHICH RELEASES DOOR UPON ACTIVATION OF EITHER SMOKE DETECTOR. LOCATE SMOKE DETECTORS WITHIN FIVE FEET OF COILING DOORS. TIE SMOKE DETECTORS INTO LOCAL SLC LOOP. COORDINATE PROGRAMMING WITH FACILITY FIRE ALARM VENDOR.



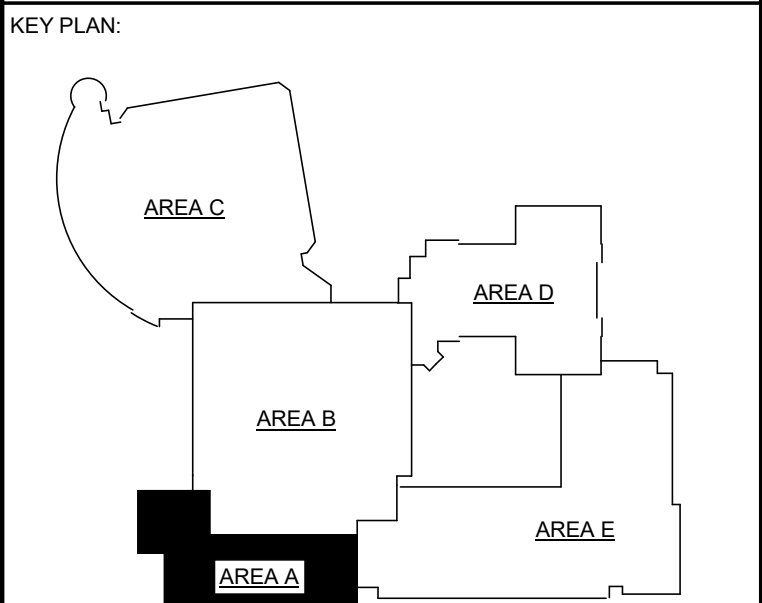
2 1ST FLOOR POWER & SYSTEMS PLAN - KITCHEN AREA
SCALE: 3/16" = 1'-0"



1 ELECTRICAL 1ST FLOOR POWER & SYSTEMS PLAN - AREA A
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES:

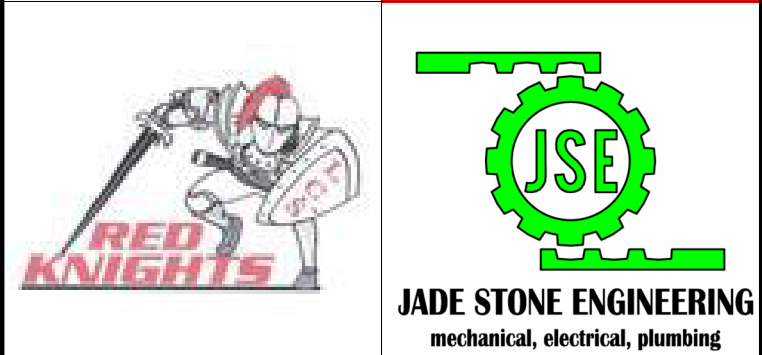
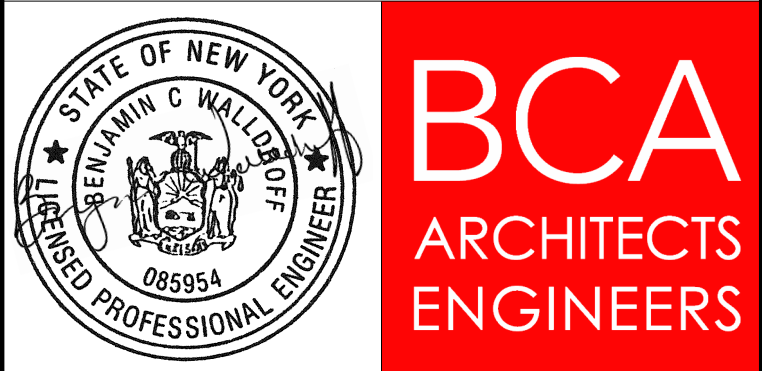
1. REFER TO E001 FOR ELECTRICAL LEGENDS, ABBREVIATIONS AND GENERAL PROJECT NOTES.
2. REFER TO E500 FOR RACEWAY SCHEDULE FOR APPROVED RACEWAY USAGE.
3. REFER TO E500 FOR BRANCH CIRCUIT SCHEDULE (BCS) FOR CIRCUIT REQUIREMENTS.
4. ALL CONDUCTORS SHALL BE THHN/THWN-2.
5. INSTALLATION SHALL BE PER NECA1 GUIDELINES.
6. PROVIDE HANGARS & SUPPORTS AS REQUIRED.
7. PROVIDE GROUNDING PER NEC FOR ALL ELECTRICAL EQUIPMENT AND ASSOCIATED EQUIPMENT.
8. PROVIDE SUBMITTAL DATA FOR ALL PROPOSED HARDWARE, DEVICES, CONDUIT, HANGERS, ETC. FOR ENGINEER REVIEW & APPROVAL PRIOR TO ORDERING.
9. ALL CONDUCTORS AND EQUIPMENT NOT SHOWN FOR CLARITY. COORDINATE WITH ALL TRADES AND PROVIDE COMPLETE ELECTRICAL CIRCUITING FOR ALL INSTALLED EQUIPMENT. ALL REQUIREMENTS TO BE PER NEC.
10. REFER TO E-603 FOR HORIZONTAL CABLING SCHEDULE FOR DATA CABLING REQUIREMENTS AND DEVICE CONFIGURATIONS.



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LAFARGEVILLE CSD
CAPITAL IMPROVEMENT PROJECT
K12 BUILDING
LAFARGEVILLE - JEFFERSON - NEW YORK

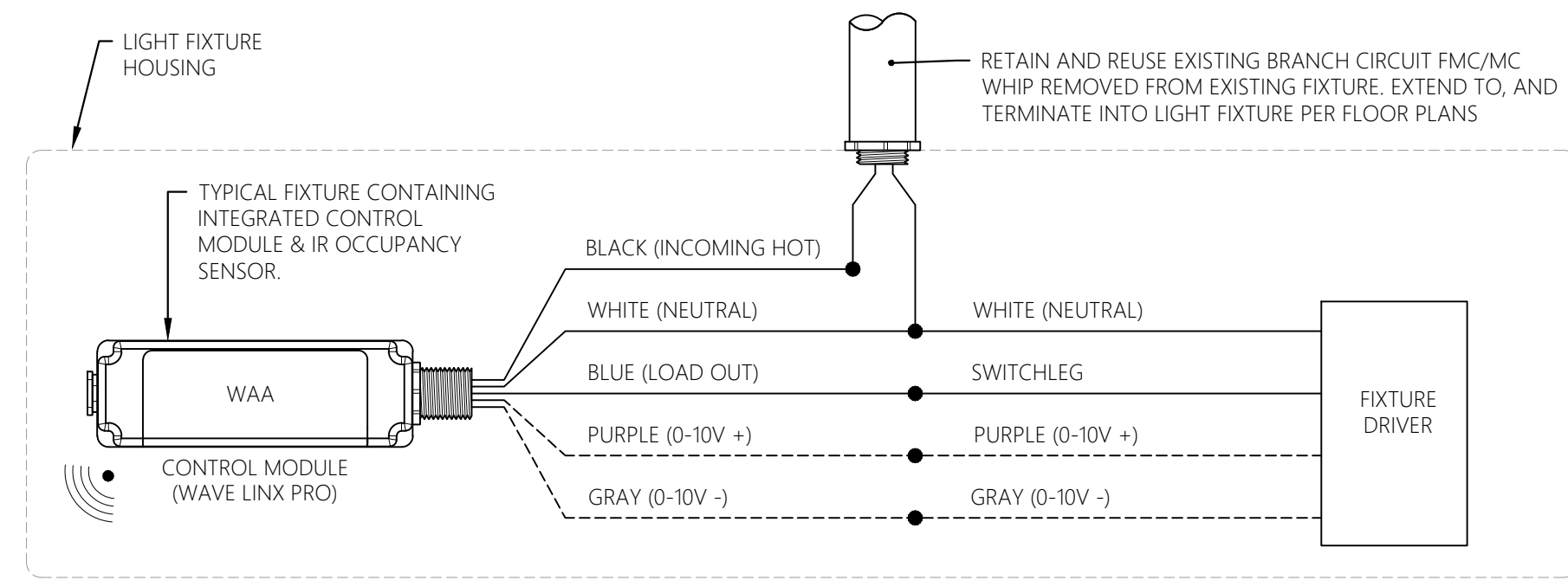
REV	DATE	DESCRIPTION
1	3/29/2024	Addendum #1

DRAWN BY KJM	PROJECT NUMBER 2022-052
CHECKED BY BCW	DATE 03/18/2024

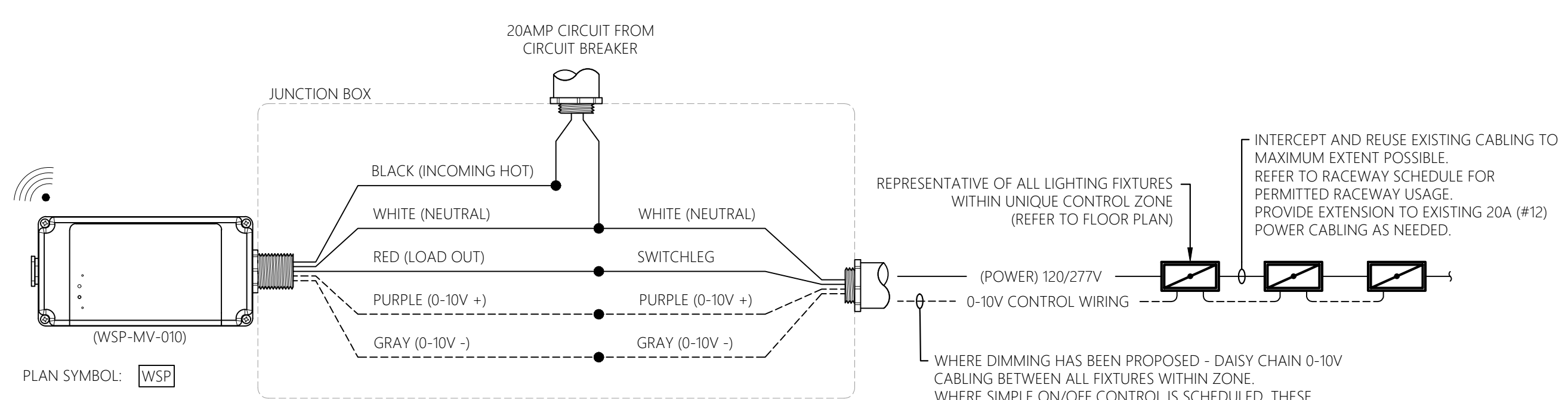
ELECTRICAL POWER & SYSTEMS PLAN - FIRST FLOOR AREA A
SHEET NUMBER

AD1 E101
BID SET

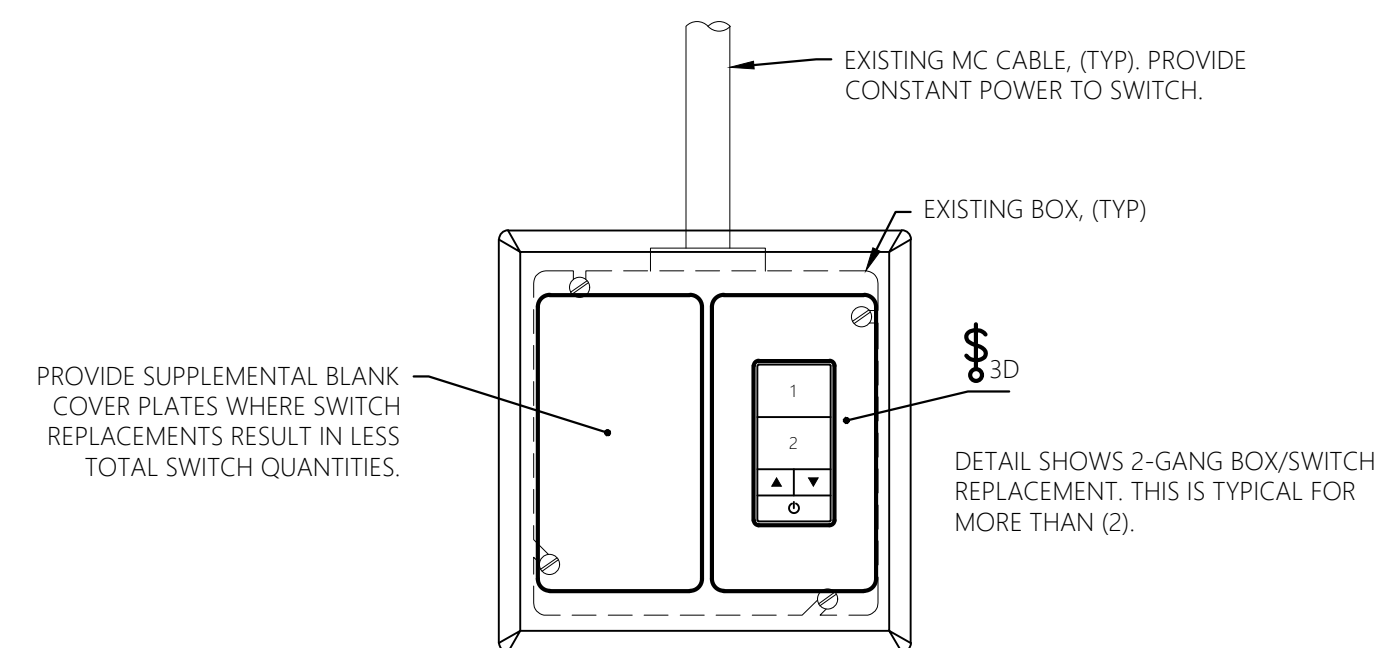
3/28/2024 1:30:33 PM



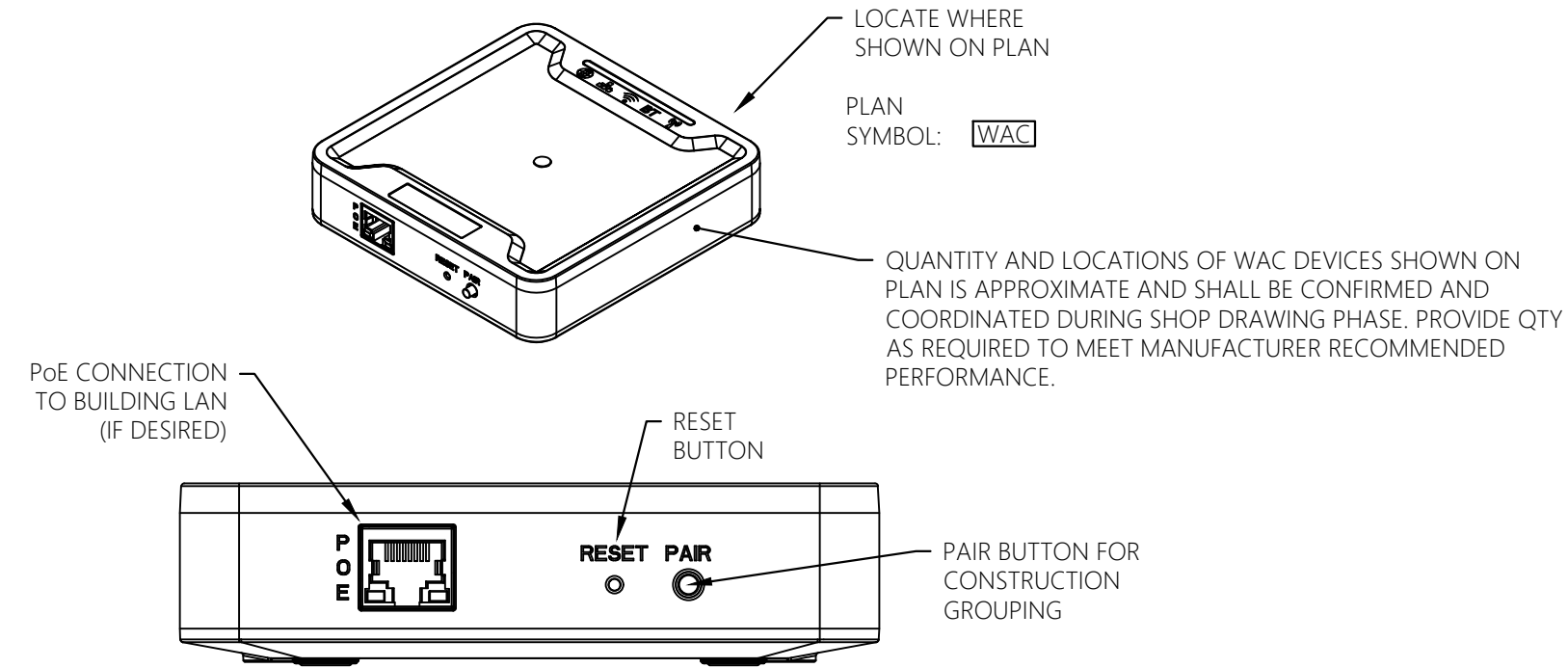
1 FIXTURE-INTEGRATED SINGLE LIGHTING ZONE CONTROL
SCALE: NOT TO SCALE



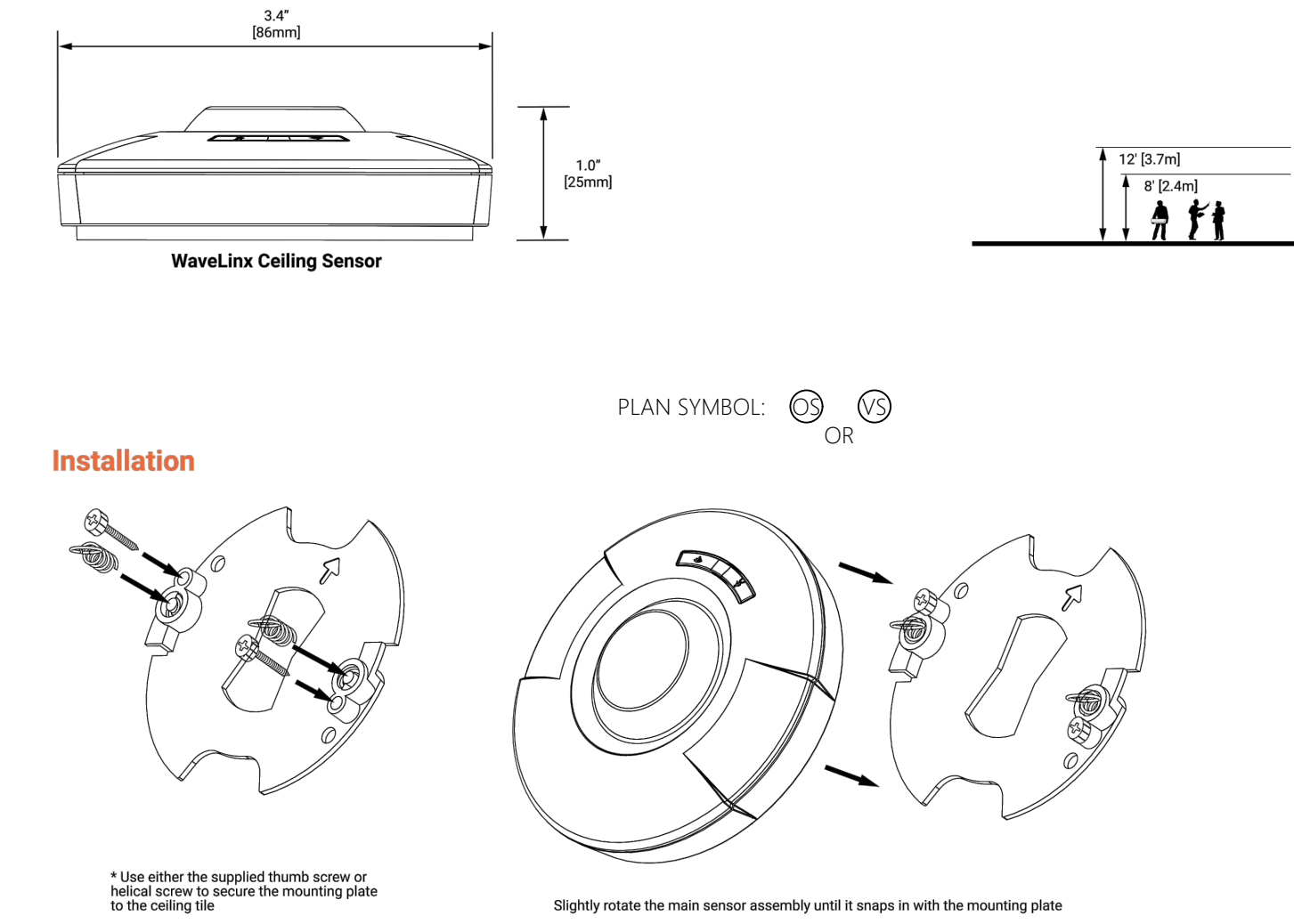
2 NON-FIXTURE-INTEGRATED SINGLE LIGHTING ZONE CONTROL MODULE
SCALE: NOT TO SCALE



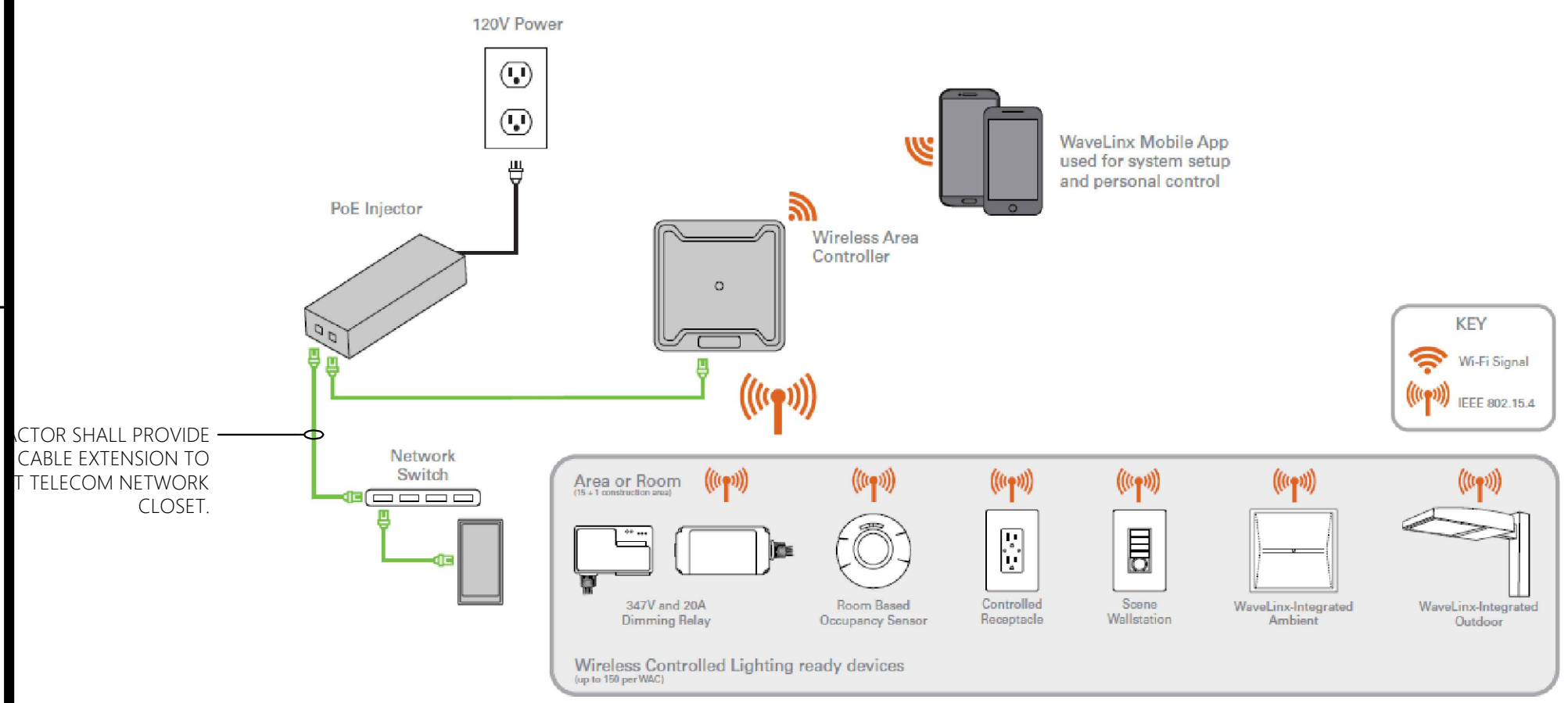
3 SWITCH REPLACEMENT GENERIC DETAIL
SCALE: NOT TO SCALE



4 WIRELESS AREA CONTROLLER
SCALE: NOT TO SCALE



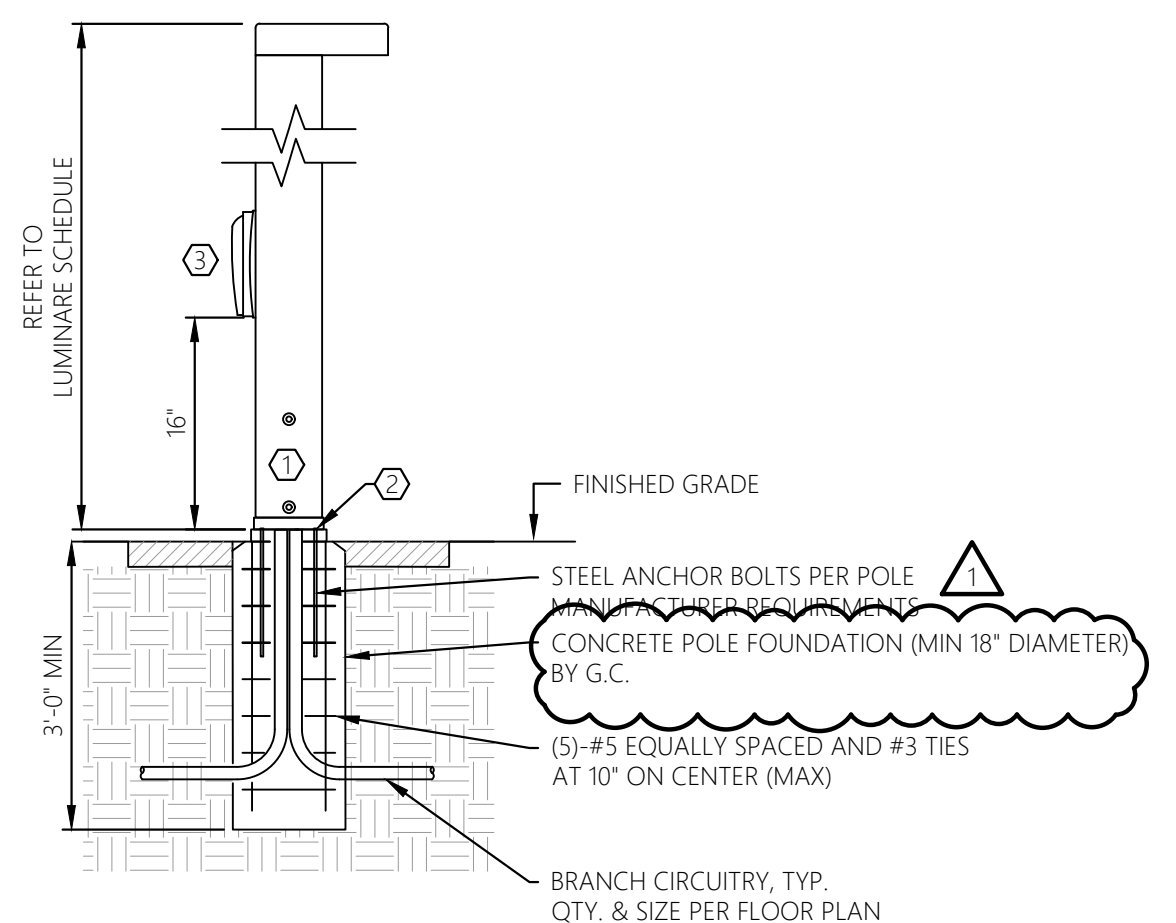
4 WIRELESS BATTERY PIR OCC/VAC
SCALE: NOT TO SCALE



DEDICATED WAVELINK NETWORK:
THE WIRELESS AREA CONTROLLER DOES NOT CONNECT TO THE PHYSICAL CORPORATE IT NETWORK AT ALL. THIS MEANS THE WIRELESS AREA CONTROLLER IS SETUP AS A WI-FI ACCESS POINT AND THE WAVELINK MOBILE APPLICATION CONNECTS DIRECTLY TO THE WIRELESS AREA CONTROLLER USING WPA2 WIRELESS ENCRYPTION AND SECURE NETWORK USERNAME AND PASSWORD.

- THE WIRELESS AREA CONTROLLER USES AES 128-BIT ENCRYPTION FOR ALL DEVICE TO DEVICE NETWORK COMMUNICATIONS.
- WI-FI IS USED FOR COMMUNICATIONS FROM THE SMART DEVICE TO THE WIRELESS AREA CONTROLLERS FOR PROGRAMMING, CONFIGURATION AND PERSONAL CONTROL IS ACCOMPLISHED THROUGH THE USE OF THE WAVELINK MOBILE APPLICATION.
- THE AVAILABLE WI-FI ACCESS POINT IN THE WIRELESS AREA CONTROLLER IS AUTOMATICALLY DISABLED IF IT IS CONNECTED TO THE ETHERNET AND RECEIVES AN IP ADDRESS FROM THE CORPORATE NETWORK.

5 WAVELINK PRO SYSTEM TOPOLOGY
SCALE: NOT TO SCALE



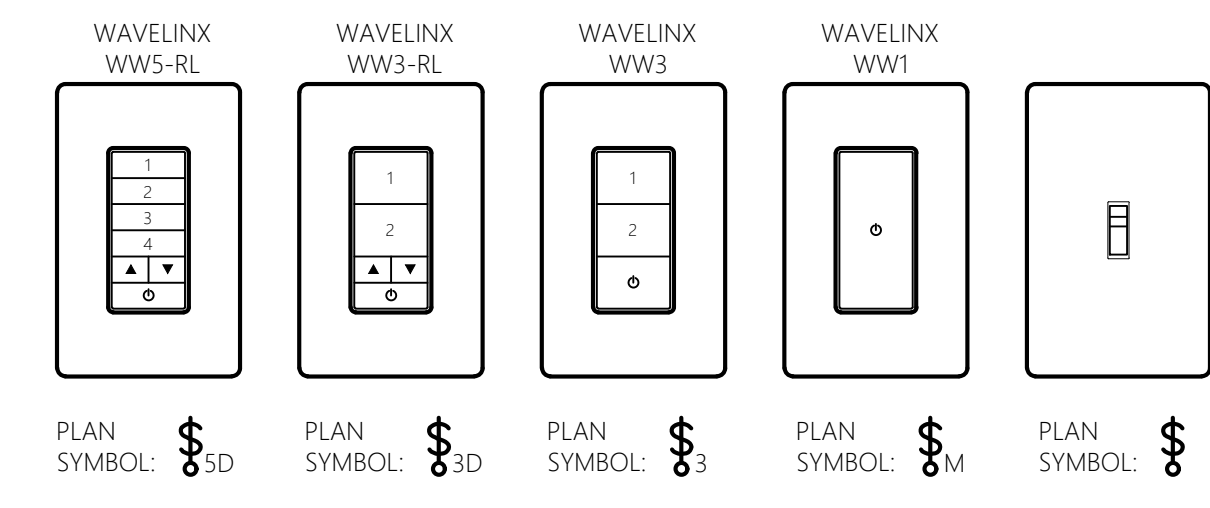
GENERAL NOTES:

1. DETAIL IS TYPICAL FOR ALL PROPOSED BOLLARDS.
2. BOLLARD LIGHTING TO BE DARK SKY COMPLIANT AND UL LISTED FOR WET LOCATION.
3. REFER TO ELECTRICAL SITE PLAN FOR PROPOSED LOCATIONS.
4. REFER TO LUMINAIRE SCHEDULE FOR SPECIFICATIONS REGARDING BOLLARD BASIS OF DESIGN.
5. PRECAST FOUNDATIONS MAY BE USED IF APPROVED BY THE ENGINEER.

DETAIL KEY NOTES:

- ① ALL SPLICES SHALL BE IN BASE. UTILIZE WATERTIGHT SPLICING METHODS. COORDINATE WITH POLE MANUFACTURER TO PROVIDE HAND HOLE (PULL POINT) WITHIN BASE OF POLE AS SHOWN.
- ② CONTRACTOR TO COORDINATE BOLT HOLE PATTERN IN FIELD PRIOR TO RELEASING ORDER. PROVIDE BASE PLATE AS REQUIRED FOR ANCHORING POLE TO CONCRETE BASE. CONTRACTOR TO FIELD VERIFY AND PROVIDE AS REQUIRED.
- ③ BOLLARD TO BE PROVIDED WITH NEMA 3R RECEPTACLE OUTLET PANEL. PROVIDE COMBINATION DUPLEX/USB GFCI RECEPTACLE IN OUTLET PANEL BOX. PROVIDE CIRCUITING PER FLOOR PLANS. PROVIDE ALL ROUGH-IN IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

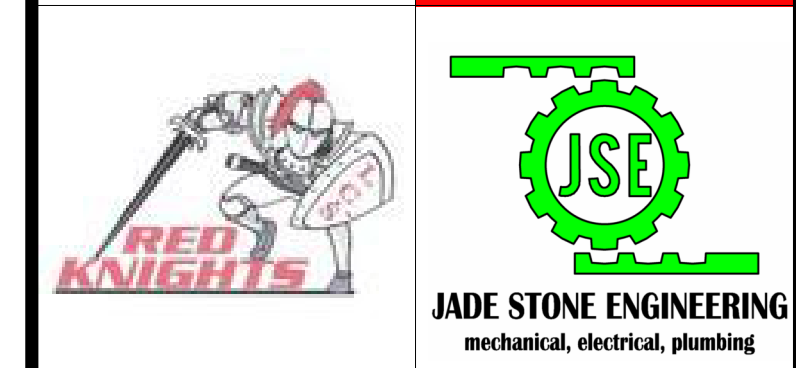
8 TYPICAL BOLLARD DETAIL
SCALE: NTS



7 SWITCH CONFIGURATION TYPES
SCALE: NOT TO SCALE

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LAFARGEVILLE CSD
CAPITAL IMPROVEMENT PROJECT
K12 BUILDING
LAFARGEVILLE - JEFFERSON - NEW YORK

REV	DATE	DESCRIPTION
1	3/29/2024	Addendum #1

DRAWN BY: KJM
CHECKED BY: BCW
PROJECT NUMBER: 2022-052
DATE: 03/18/2024

ELECTRICAL DETAILS
SHEET NUMBER
E600
BID SET