Project No. 23-148.00

February 6, 2025

02/06/2025

ADDENDUM NO. 2
TO THE
DRAWINGS AND PROJECT MANUAL
FOR
2024 CY-CREEK HS RENOVATIONS
CYPRESS-FAIRBANKS ISD
CYPRESS, TEXAS

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2.1 GENERAL

A. This addendum modifies the drawings and project manual, dated January 10, 2025, as noted within and shall become part of the Contract Documents.

B. Each holder of proposal documents registered with the Architect will receive a copy of the addendum. Each prime proposer is responsible for distribution of information conveyed by this addendum to its sub-proposers and suppliers.

C. Proposers shall acknowledge receipt of this addendum in the space provided on the proposal form. Failure to do so may subject proposer to disqualification.

VOLUME 2

2.2 DOCOUMENT 00 01 10 – TABLE OF CONTENTS

A. Page 00 01 10 – 3 ADD the following:
"03 54 16 - Portland-Cement-Based Underlayment"

2.3 DOCOUMENT 00 01 10 – TABLE OF CONTENTS

A. Page 00 01 10 – 7 REMOVE the following:
"32 18 13 - Synthetic Grass Surfacing"
"32 18 14 - Paved Elastic Layer"
"32 18 23.39 - Synthetic Running Track Surfacing"
"32 18 23.50 - Polyurethane Full Depth Track Surface" (Section not included in project manual)
"32 18 23.60 - Track Striping" (Section not included in project manual)

2.4 SECTION 03 54 16 – PORTLAND-CEMENT-BASED UNDERLAYMENT

A. This section, attached hereto, is entirely new and is hereby made a part of this addendum.

2.5 SECTION 08 71 00 – DOOR HARDWARE

A. Delete this section in its entirety and insert attached revised section.

2.6 SECTION 09 65 00 – RESILIENT FLOORING

A. Page 09 65 00 – 1 Article 1.1 SUMMARY ADD new Paragraph B to read:

"B. Related Sections:
1. Section 03 54 16 – Portland-Cement-Based Underlayment; warranty and installation requirements applicable to the Work of this Section."

B. Page 09 65 00 – 1 Article 1.5 WARRANTY Paragraph 1.5 A ADD new Paragraph 1.5 A.1 to read:
"1. Installation Warranty: Provide Installation Warranty with warranty term not less than 10 years according to requirements of Section 03 54 16 – HYDRAULIC CEMENT UNDERLAYMENT and coordinated with LVT manufacturer's 20-Year Commercial Warranty."

C. Page 09 65 00 – 2 Article 2.1 MATERIALS DELETE Paragraph 2.1 E and REPLACE with new Paragraph 2.1 E to read:
"E. Underlayment and Leveling Compound: As specified by Section 03 54 16 – Portland-Cement-Based Underlayment."

D. Page 09 65 00 – 2 Article 1.5 MATERIALS DELETE Paragraph 2.1 F and REPLACE with new Paragraph 2.1 F to read:
"F. Adhesive: Moisture-resistant adhesive recommended for installation of LVT onto cementitious substrate as specified by Section 03 54 16 – Portland-Cement-Based Underlayment."

2.7 SECTION 09 84 13 - FIXED SOUND-ABSORPTIVE/SOUND-REFLECTIVE PANELS

A. Delete this section in its entirety and insert the attached revised section.

2.8 32 18 13 - SYNTHETIC GRASS SURFACING

A. Delete this section in its entirety.

2.9 32 18 14 - PAVED ELASTIC LAYER

A. Delete this section in its entirety.

2.10 SECTION 32 18 23.39 – SYNTHETIC RUNNING TRACK SURFACING

A. Delete this section in its entirety.

2.11 SECTION 38 18 23.39 – SYNTHETIC RUNNING TRACK SURFACING – TRACK SURFACING CONTRACTOR'S STATEMENT OF QUALIFICATIONS

A. Delete this attachment to Section 38 18 23.39 – SYNTHETIC RUNNING TRACK SURFACTING in its entirety.

2.12 SECTION 32 93 00 - PLANTS

A. This section, attached hereto, is entirely new and is hereby made a part of this addendum.

2.13 FOODSERVICE ADDENDUM ITEMS

A. Attached document by FDP shall hereby become a part of this addendum.

2.14 MECHANICAL, ELECTRICAL AND PLUMBING ADDENDUM ITEMS

A. Attached document by Salas O'Brien shall hereby become a part of this addendum.

2.15REVISED DRAWINGS

A. Sheet Nos. INDEX, L4.00 through L4.02, A1.11, A1.40, A1.41, A2.11M, A2.11N, A2.11R, A2.11S, A3.31, A4.02, A5.01, A5.10, A5.20, A5.31 through A5.33, A6.12G, A6.12H, A7.01, A7.02, A7.03, A7.10, A9.01, A9.11N, FS2.2, M0.01 through M0.03, M1.11L, M1.11N, M2.11B, M2.11L, M2.11N, M2.11S, M3.01, M4.01, M6.01, E0.01, E2.11B, E2.11L, E2.11M, E2.11N, E3.11B, E3.11M, E3.11N, E3.13 through E3.15, E5.01 through E5.03, E5.05, E6.01, E6.02, P0.01, P3.11B, P4.04 through P4.07, P4.09 through P4.11, P5.01, P6.01, P6.02, T0.11B, T1.00, T2.11M, and T2.11B, dated February 6, 2025 and attached hereto, are revised drawings and are hereby made a part of this addendum.

END OF ADDENDUM NO. 2

02/06/2025

SECTION 03 54 16

PORTLAND-CEMENT-BASED UNDERLAYMENT

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes Portland-cement-based underlayment, primers, adhesives, and related accessory materials for use under interior floor coverings.

B. Related Sections include the following:
1. Section 09 65 00 – Resilient Flooring for installation requirements pertinent to installation of resilient flooring installed over underlayment specified in this section.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Plans indicating substrates, locations, and average depths of underlayment based on survey of substrate conditions.

C. Installation Instructions: Manufacturer’s printed installation instructions for all products applied under requirements of this Section.

D. Manufacturer Certificates: Signed by manufacturers of underlayment and floor covering system certifying that products are compatible.

E. Qualification Data: For Installer.

F. Minutes of preinstallation conference.

1.3 QUALITY ASSURANCE

A. Installer Qualifications: Installer who is approved by manufacturer for application of underlayment products required for this Project.

B. Source Limitations: Obtain Portland-cement-based underlayment, primers, adhesives, and related products that are procured through one source, and that are products of one manufacturer.

C. Material Compatibility: Provide Portland-cement-based underlayment, primers, adhesives, and related materials that are compatible with one another and with the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

D. Product Compatibility: Provide products that are certified in writing by both underlayment manufacturer and manufacturer of floor covering systems overlaying underlayment that products are compatible.

E. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Section 01 31 00 "Project Management and Coordination."

1.4 DELIVERY, STORAGE, AND HANDLING

A. Store materials to comply with manufacturer's written instructions to prevent deterioration from moisture or other detrimental effects.

1.5 PROJECT CONDITIONS

A. Environmental Limitations: Comply with manufacturer's written instructions for substrate temperature, ambient temperature and humidity, ventilation, and other conditions affecting underlayment performance. Place Portland-cement-based underlayment only when ambient temperature and temperature of substrates are between 50 and 80 deg F (10 and 27 deg C).

1.6 COORDINATION

A. Coordinate application of underlayment with requirements of floor covering products, including adhesives, to ensure compatibility of products and to comply with requirements for system warranty of underlayment and resilient flooring.

1.7 WARRANTY

A. Provide system warranty issued by underlayment manufacturer to warranty both underlayment and resilient flooring against failure of the flooring installation
   1. Warranty Period: not less than 10 years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: The basis-of-design for materials specified in this Section is UZIN Utz North America, Inc. products as named in this Section. Subject to compliance with requirements, provide the named products, or approved equivalent products of one of the following manufacturers:
   1. Mapei
   2. Sika USA.

2.2 SELF-LEVELING PORTLAND-CEMENT-BASED UNDERLAYMENT

A. Self-Leveling Hydraulic-Cement-Based Underlayment: Hydraulic-cement-based, polymer-modified, self-leveling product for application over existing hard surface flooring such as well bonded terrazzo, ceramic tile, stone, well bonded epoxy coatings, structurally sound concrete, APA Exposure Tye 1 plywood and OSB or equally rated subflooring, or well-bonded adhesive residues including cutback adhesives; and that can be applied in minimum uniform thicknesses of 1/16-inch up to 1-inch thickness, and that can be feathered at edges to match adjacent floor elevations.
   1. Compressive Strength: Not less than 4500 psi at 28 days when tested according to ASTM C 109.
   2. Product: UZIN NC 150 self-leveling underlayment.

2.3 UNDERLAYMENT ACCESSORY MATERIALS

A. Underlayment Additive: Resilient-emulsion product of underlayment manufacturer formulated for use with underlayment when applied to substrate and conditions indicated.

B. Fiber Reinforcement: As furnished by underlayment manufacturer for reinforcement of underlayment.

C. Joint fillers: 2 component semi-rigid polyurea joint filler
   1. Product: UZIN KR518

D. Water: Potable and at a temperature of not more than 70 deg F (21 deg C).

E. Primer: Solvent-free primer used to enhance bonding of underlayment to substrate, produced by underlayment manufacturer, and recommended in writing for substrate, conditions, and application indicated.

F. Corrosion-Resistant Coating: Recommended in writing by underlayment manufacturer for metal substrates.

2.4 FLOORING ADHESIVE

A. Provide moisture-resistant adhesive manufactured by underlayment manufacturer and recommended for installation of LVT onto cementitious substrates

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, with Installer present, for conditions affecting performance. Proceed with application only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. General: Prepare and clean substrate according to manufacturer's written instructions.
   1. Treat nonmoving substrate cracks according to manufacturer's written instructions to prevent cracks from telegraphing (reflecting) through underlayment.
   2. Fill substrate voids to prevent underlayment from leaking.

B. Concrete Substrates: Mechanically prepare concrete surface to provide surface with sufficient tooth recommended by underlayment manufacturer to receive underlayment
   1. Remove, according to manufacturer's written instructions, surface contaminants including but not limited to paint, soap, wax, oil, grease, silicone, solvents, adhesives, adhesive removers, alkaline salts, laitance, dust, dirt, mold, or mildew, curing compounds, sealers, hardeners, glaze, efflorescence form-release agents, and other substances that might impair underlayment bond.
   2. Remove loose and deteriorated substrate materials including broken and spalled concrete and mortar to provide a sound substrate with sufficient tooth to ensure bonding.
   3. Use mechanical methods, singly or in any combination, including but not limited to shot blasting, grinding, honing, scraping, brushing, vacuuming and/or other means. Do not use solvents.
   4. Moisture Testing: Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with installation only after substrates do not exceed a maximum moisture-vapor-emission rate of 3 lb. of water/1000 sq. ft. (1.36 kg of water/100 sq. m)] in 24 hours.
   5. Relative Humidity: Perform relative humidity test using in situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent internal relative humidity level measurement.

C. Adhesion Tests: After substrate preparation, test substrate for adhesion with underlayment according to manufacturer's written instructions.

3.3 APPLICATION

A. General: Apply underlayment to areas to receive LVT. Comly with underlayment manufacturer’s requirements to provide system warranty of underlayment and LVT applied over underlayment.
   1. Mix and apply underlayment components according to manufacturer's written instructions. Close areas to traffic during underlayment application and for time after application recommended in writing by manufacturer. Coordinate application of components to provide optimum underlayment-to-substrate and intercoat adhesion.
   2. At substrate expansion, isolation, and other moving joints, allow joint of same width to continue through underlayment.

B. Prime substrate according to manufacturer’s printed instructions, and apply underlayment to produce uniform, level surface in accordance with manufacturer’s printed instructions and as follows:
   1. Apply a final layer without aggregate to produce surface.
   2. Feather edges to match adjacent floor elevations.
   3. Screed to levels and slopes shown.
   4. Finish: Fine broom finish.

C. Cure underlayment according to manufacturer's written instructions. Prevent contamination during application and curing processes.

D. Remove and replace underlayment areas that evidence lack of bond with substrate, including areas that emit a "hollow" sound when tapped.

E. Do not install floor coverings over underlayment until after time recommended in writing by underlayment manufacturer.

3.4 PROTECTION

A. Protect underlayment from concentrated and rolling loads for remainder of construction period.

END OF SECTION

SECTION 08 71 00

DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 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. Division 08 Section “Door Hardware Schedule”.
2. Division 08 Section “Hollow Metal Doors and Frames”.
3. Division 08 Section “Interior Aluminum Doors and Frames”.
4. Division 08 Section “Plastic Laminate Faced Wood Doors”.

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:

1. ANSI/BHMA Certified Product Standards - A156 Series
2. UL10C – Positive Pressure Fire Tests of Door Assemblies

1.3 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. Proof of Certification: Provide copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified installer of Windstorm assemblies.

E. 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.

F. 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.

G. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals.

1.4 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 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. Installer Qualifications: A minimum 3 years documented experience 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.

C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying 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.

D. Integrated Wiegand, Wireless, and IP-Enabled Access Control Products Supplier Qualifications: Integrated access control products and accessories are required to be supplied and installed through current members of the ASSA ABLOY "Authorized Channel Partner" (ACP) and "Certified Integrator" (CI) programs. Suppliers are to be factory trained, certified prior to project bid, and a direct purchaser of the specified product. Installers are to be factory trained, certified prior to project bid, and are responsible for commissioning, servicing, and warranting the installed equipment specified for the project.

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 demonstrating compliance with the referenced 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.

H. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.
4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures

I. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site.

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 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".

1.6 COORDINATION

A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing 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 Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.

C. 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.

1.7 WARRANTY

A. General Warranty: Reference Division 01, 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. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.

D. Special Warranty Periods:

1. Lifetime for mortise locks and latches.
2. Five years for exit hardware.
3. Ten years for electric latch retraction exit motors
4. Twenty-five years for manual surface door closer bodies.
5. Two years for electromechanical door hardware.
6. Lifetime for SN200 readers.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

1.9 OWNER STOCK – See Attic Stock at the end of Hardware Schedule.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.

B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:

C. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.

D. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity, unless otherwise indicated:

a. Two Hinges: For doors with heights up to 60 inches.
b. Three Hinges: For doors with heights 61 to 90 inches.
c. Four Hinges: For doors with heights 91 to 120 inches.
d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

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” standard or heavy weight as specified.
b. Sizes from 3’1” to 4’0”: 5” standard or 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 unless Hardware Sets indicate standard weight.
b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.

4. Hinge Options: Comply with the following where indicated in the Hardware Sets or on Drawings:

a. Non-removable Pins: 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.

5. Acceptable Manufacturers:

a. Hager Companies (HA).
b. McKinney Products (MK).
c. Stanley Hardware (ST).

B. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 certified continuous geared hinge. with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. 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. Acceptable Manufacturers:

a. McKinney Products (MK).
b. Pemko Manufacturing (PE).
c. Stanley Hardware (ST).

2.3 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. Acceptable Manufacturers:

    a. Pemko Manufacturing (PE) – EL-CEPT Series.
    b. Securitron (SU) - EL-CEPT Series.
    c. Stanley Hardware (ST) EPT-12C Series.

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 per electrified opening.

1. Provide one each of the following tools as part of the base bid contract:
    a. McKinney Products (MK) - Electrical Connecting Kit: QC-R001.
    b. McKinney Products (MK) - Connector Hand Tool: QC-R003.

2.4 DOOR OPERATING TRIM

A. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified.

1. Manual flush bolts to be furnished with top rod of sufficient length to allow bolt location approximately six feet from the floor.
2. Furnish dust proof strikes for bottom bolts.
3. Surface bolts to be minimum 8” in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

B. Door Push Plates and Pulls: ANS/BHMA A156.6 certified door pushes and pulls 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 inch 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-inches 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-inches from face of door and offset of 90 degrees unless otherwise indicated.
4. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.5 CYLINDERS AND KEYING

A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.

B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.

1. Acceptable Manufacturers:

    a. Stanley Best (BE).
    b. Sargent Cylinder Housings
    c. No Substitution.

C. Cylinders: Original manufacturer cylinders complying with the following:

1. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
4. 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.
5. Keyway: Match Facility Standard.

D. Keying System: Each type of lock and cylinders to be factory keyed.

1. Conduct specified "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: Key locks to Owner's existing system.

E. Key Quantity: Provide the following minimum number of keys:

1. Change Keys per Cylinder: Two (2)
2. Twenty construction cores
3. 50 Key Blanks – Best “A” Keyway
4. Temporary (green) core keys: **1 key per lockset**

F. Construction Keying: Provide temporary keyed construction cores. Green Best Cores No Substitution . All Best temporary cores to be returned to the district at the end of the project.

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.

H. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project. Provide a new cabinet to all new construction projects. Use Lund 1205-B as a basis of design.

1. Acceptable Manufacturers:

a. Lund Equipment (LU).
b. MMF Industries (MM).
c. Telkee (TK).

2.6 MECHANICAL LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.

1. Acceptable Manufacturers

a. Sargent Manufacturing (SA) 8200 Series – No substitutions
b. Sargent Manufacturing (SA) 10X Series - No substitutions
1) Use at student restrooms or as directed by Cy Fair ISD

2.7 AUXILIARY LOCKS

A. Tubular Deadlocks: Deadlocks to be products of the same source manufacturer and keyway as other specified locksets.

1. Acceptable Manufacturers:

a. Marks (MX) - 130 Series.
b. Sargent Manufacturing (SA) – 480 Series.

2.8 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. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.

B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Auxiliary Deadlocks: BHMA A156.5.
3. Dustproof Strikes: BHMA A156.16.

2.9 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. 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.

2. 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.

3. 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.

4. 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.

5. 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.

6. Rail Sizing: Provide exit device rails factory sized for proper door width application.

7. Through Bolt Installation: For exit devices and trim as indicated (TB) in Door Hardware Sets.

8. Provide Less Dogging (LD) at all exit devices.

9. Add 31- Prefix to all exit devices being provided at two inch aluminum doors.

10. No self-tapping screws allowed.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 certified 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. Acceptable Manufacturers:

    a. Sargent Manufacturing (SA) - 80 Series.
    b. No Substitution.

C. Tube Steel Removable Mullions: ANSI/BHMA A156.3 removable steel mullions with malleable-iron top and bottom retainers and a primed paint finish.

1. Provide keyed removable feature where specified in the Hardware Sets.

2. Provide stabilizers and mounting brackets as required.

3. Provide electrical quick connection wiring options as specified in the hardware sets.

4. Acceptable Manufacturers:

a. Stanley Precision (PR) - 822 Series.
b. No Substitution.

2.10 INTEGRATED WIEGAND OUTPUT ACCESS CONTROL EXIT DEVICES

A. Wiegand Output Integrated Card Reader Exit Hardware: Wiegand output ANSI 156.3 Grade 1 rim, mortise, and vertical rod exit device hardware with integrated proximity card reader, latchbolt and touchbar monitoring, and request-to-exit signaling, in one complete unit. Hard wired, solenoid driven locking/unlocking control of the lever handle exit trim with 3/4" throw latch bolt. U.L listed and labeled for either panic or "fire exit hardware" for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

1. Open architecture, hard wired platform supports centralized control of locking units with new or existing Wiegand compatible access control systems. Inside push bar (request-to-exit) signaling and door position (open/closed status) monitoring (via separately connected DPS).
2. Reader supports either HID 125 kHz proximity (up to 39 bits, including Corporate 1000) or 13.56 MHz (2K-32K) iClass® credentials.
3. 12VDC external power supply required for reader, with optional 24VDC operation available with iClass® reader (125 kHz reader is always 12VDC). 24VDC required for solenoid operated exit trim (12VDC if applicable). Fail safe or fail secure options.
4. Installation requires only one cable run from the exit hardware to the access control panel without requirements for additional proprietary lock panel interface boards or modules.

5. Acceptable Manufacturers:

a. Sargent Manufacturing (SA) - SN – 56-SN20080 Series Exits. x SPAR04867
b. Sargent Manufacturing (SA) - SN – SN2008200 Series Locks.
c. No Substitution.

2.11 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 including installation and adjusting information on inside of cover.

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. Cycle Testing: Provide closers which have surpassed 15 million cycles in a test witnessed and verified by UL.

4. 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 physically handicapped, provide units complying with ANSI ICC/A117.1.

5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.

6. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.

7. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates, and through-bolt and security type fasteners as required for proper installation.

8. Through Bolt Installation: All door closers are to be installed with (TB) through bolting as indicated in Door Hardware Sets.

9. No self-tapping screws allowed.

B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 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. Acceptable Manufacturers:

a. Sargent Manufacturing (SA) – TB 351 Series.

2.12 SURFACE MOUNTED CLOSER HOLDERS

A. Electromagnetic Door Holders: Certified ANSI A156.15 electromagnetic door holder/releases with a minimum 20 to 40 pounds holding power and single coil construction able to accommodate.12VDC, 24VAC, 24VDC and 120VAC. Coils to be independently wound, employing an integral fuse and armatures to include a positive release button.

1. Acceptable Manufacturers:

a. LCN Door Closers (LC) - SEM7800 Series.
b. Rixson (RF) - 980/990 Series.
c. Sargent Manufacturing (SA) - 1560 Series.

2.13 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. Protection Plates: ANSI/BHMA A156.6 certified protection plates (kick, armor, or mop), fabricated from the following:

a. Stainless Steel: 300 grade, 050-inch thick.

4. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.14 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 certified 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. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

C. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified 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. Acceptable Manufacturers:

    a. Do not use overhead stops/holders

2.15 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 UBC 7-2, Fire Tests of Door Assemblies.

D. No Replaceable Seal Strips allowed: Provide only those units where they can be screw applied..

E. Acceptable Manufacturers:

1. National Guard Products (NG).
2. Pemko Manufacturing (PE).
3. Reese Enterprises, Inc. (RE).

2.16 ELECTRONIC ACCESSORIES

A. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.

1. Acceptable Manufacturers:

a. Provided by Security

B. Switching Power Supplies: Provide UL listed or recognized filtered and regulated power supplies. Provide single, dual, or multi-voltage units as shown in the hardware sets. Units must be expandable up to eight Class 2 power limited outputs. Units must include the capability to incorporate a battery backup option with integral battery charging capability in addition to operating the DC load in event of line voltage failure. 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.

1. Acceptable Manufacturers:

a. Provided by Security

2.17 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.

2.18 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

3.1 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.

3.2 PREPARATION

A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.

B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 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. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
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. Integrated Wiegand access control products are required to be installed through current members of the ASSA ABLOY "Certified Integrator" (CI) program.

D. 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.

E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

F. 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.

G. No self-tapping screws allowed.

3.4 FIELD QUALITY CONTROL

A. Field Inspection: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.

3.5 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.

B. Final Adjustment: Installer shall return and make final adjustment of all hardware once all air conditioning test and balance is complete. Final adjustment shall be made while air conditioner system is operating. Coordinate with General Contractor and Owner.

3.6 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.

3.7 DEMONSTRATION

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

3.8 DOOR HARDWARE SETS

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.

A. Manufacturer’s Abbreviations:
   1. MK - McKinney
   2. OT - OTHER
   3. PE - Pemko
   4. RO - Rockwood
   5. PR - Precision
   6. MX - Marks
   7. SA - Sargent
   8. AD - Adams Rite
   9. BE - Best Access Systems
   10. HS – HES
   11. SU – Securitron
   12. KD – Keedex
   13. LO – Locinox

****At existing doors / frames, all conditions must be field verified prior to order.**
At aluminum frames, gasket is by frame manufacturer.
****Add 2891APK gasketing to all exterior hollow metal doors.**
12/20/2024 – Changes based on 75% owner's notes
2/6/2025 – Changes per 2nd review 01/30/2025

Set: 1.0
Description: Not Used

1	Set	Not Used		OT

Set: 2.0
Doors: 1212.3, 1214.1, 1226.2, 1228, 1247.2, 1255.2, 1257.1, 1442.3, 1613.1, 1613A.1, 1614, 1619.2, 1619A.1, 1621.2, 1644.2, 1672.1, 1710B, 1720.1, 1720.4, 1726.2, 1736.1, 1754.1, 1756.1, 1758.2, 1830.1, 1910.1, 1910.2, 2212.1, 2214.2, 2226.3, 2228.1, 2247.2, 2255.3, 2257.3, 2311.1, 2313.3, 2315.2, 2422.2, 2440, 2440C, 2450.1, 2451.1, 2612.2, 2613, 2614.1, 2616.1
Description: Add Exit Device-8816- HO Closers

1	Rim Exit Sec CR x SPAR#NC-E11	19 LD TB 43 49 70 8816 ETL	US32D	SA
1	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PSH	EN	SA
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Notes: Provide hold open closers at classrooms unless fire rated. No hold open on rated doors.

Set: 2.1
Doors: 1720.7, 1721.11
Description: Add Exit Device-8816

1	Rim Exit Sec CR x SPAR#NC-E11	19 LD TB 43 49 70 8816 ETL	US32D	SA
1	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 3.0
Doors: 1212.2, 1214.2, 1226.1, 1228.2, 1247.1, 1255.1, 1257.2, 1442.2, 1613A.2, 1613A.3, 1720.3, 1720.6, 1736.2, 1754.2, 1758.1, 1830.2, 2212.2, 2214.1, 2226.1, 2228.3, 2247.3, 2255.1, 2257.2, 2311.3, 2313.2, 2315.3, 2422.1, 2440A, 2440B, 2450.2, 2451.2, 2612.1, 2614.2, 2616.2
Description: Add Exit Device-8804- HO Closers

1	Rim Exit NL SPAR#NC-E11	LD 19 43 70 8804 ETL	US32D	SA
1	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PSH	EN	SA
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Notes: Provide hold open closers at classrooms unless fire rated. No hold open on rated doors.

Set: 3.1
Doors: 1720.9, 1721.10
Description: Add Exit Device-8804

1	Rim Exit NL SPAR#NC-E11	LD 19 43 70 8804 ETL	US32D	SA
1	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Notes: Provide hold open closers at classrooms unless fire rated. No hold open on rated doors.

Set: 4.0
Doors: 1720.2, 1720.5, 1720.8, 1721.12
Description: Add Exit Device-8810 ETL

1	Rim Exit - DT x SPAR#NC-E11	19 LD TB 43 8810 ETL	US32D	SA
1	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
1	Balance of hardware	Existing to remain		OT

Notes: Provide hold open closers at classrooms unless fire rated. No hold open on rated doors.

Set: 5.0
Doors: 1630
Description: Add Exit Device-8816/8804- HO Closers - Thru bolts

1	Rim Exit Sec CR x SPAR#NC-E11	TB 19 LD 43 49 70 8816 ETL	US32D	SA
1	Rim Exit NL SPAR#NC-E11	LD 19 43 70 8804 ETL	US32D	SA
2	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
3	Interchangeable Core	I/CK-7	626	BE
3	Const. Core	7190224	Green	BE
2	Sex Nut & Bolt Kit	SNB134-38	689	NO
2	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Notes: Provide hold open closers at classrooms unless fire rated. No hold open on rated doors.
**TB Kit to be used to fill existing pull preps.

Set: 6.0
Doors: 1000C.3, 1060.1, 1060.2, 1613.2, 1700.1, 1700.2, 1700.3, 1700.4, 1901A.1, 1901B.2, 1901C, 2815.1, 2815.2
Description: Add Exit Device-8816/8804- HO Closers

1	Rim Exit Sec CR x SPAR#NC-E11	TB 19 LD 43 49 70 8816 ETL	US32D	SA
1	Rim Exit NL SPAR#NC-E11	LD 19 43 70 8804 ETL	US32D	SA
2	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
3	Interchangeable Core	I/CK-7	626	BE
3	Const. Core	7190224	Green	BE
2	Surface Closer	TB 351 PSH	EN	SA
2	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Notes: Provide hold open closers at classrooms unless fire rated. No hold open on rated doors.

Set: 7.0
Doors: S11.2
Description: Add Exit Device-8813- 688

1	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
1	Rim Exit Classroom SPAR#NC-E11	LD 19 TB 43 70 8813 ETL	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Notes: Provide hold open closers at classrooms unless fire rated. No hold open on rated doors.

Set: 8.0
Doors: 1000C.2, 1600.1
Description: Add Exit Device-8813/8813- HO Closers

2	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
2	Rim Exit Classroom SPAR#NC-E11	LD 19 TB 43 70 8813 ETL	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
2	Surface Closer	TB 351 PSH	EN	SA
2	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Notes: Provide hold open closers at classrooms unless fire rated. No hold open on rated doors.

Set: 9.0
Doors: 1800.1, 1800.5
Description: Add Rated Exit Device-8813/8813- 688 Retrofit Kit

2	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
2	Rim Exit Classroom SPAR#NC-E11	LD 19 TB 43 70 8813 ETL	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Balance of hardware	Existing to remain		OT

Set: 10.0
Doors: 22.1, 22.3
Description: Add 56- Narrow Exit, Less Trim EPT - Existing CR

1	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit xSPAR04867/NC-E11	LD 19 TB 43 56 70 8504 Less Trim	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Card Reader	Existing to remain		OT
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 10.1
Doors: 41
Description: Add 2N Narrow Exit, Less Trim EPT - Existing CR

1	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit 2N xSPAR04867/NC-E11	LD 19 TB 43 56 70 8504 Less Trim	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Reader by security	2N Station		OT
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 11.0
Doors: 2619
Description: Add Rated Exit Device-8815

1	Rim Exit Device, Passage	12 19 TB 43 8815 ETL	US32D	SA
1	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
1	Balance of hardware	Existing to remain		OT

Set: 12.0
Doors: 1844
Description: Add Ext Exit Device-8804 SN200 FSW

1	Rim Exit x SPAR#NC-E11	LD 19 TB 43 70 8804 FSW	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US26D	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Balance of hardware	Existing to remain		OT

Notes:

Set: 13.0
Doors: 15, 16, 35, 39, 40, 42
Description: Add SN200 Narrow Exit, Less Trim EPT

1	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit xSPAR04867/NC-E11/NC-E35	19 LD TB 43 70 56-SN200-8504 Less Trim	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 13.1
Doors: 31, 33
Description: Add SN200 Narrow Exit, Less Trim EPT- Peep

1	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit xSPAR04867/NC-E11/NC-E35	19 LD TB 43 70 56-SN200-8504 Less Trim	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT
2	Viewer	622 x door thickness	DCRM	RO

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Add viewers where vision kit does not exist.

Set: 14.0
Doors: 22.2, 44.1
Description: Add 8504Narrow Exit x Less Trim

1	Rim Exit SPAR#NC-E11	LD 19 TB 43 70 8504 Less Trim	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 15.0
Doors: 1.1, 1000A.2, 14.2
Description: Add Pr 8504/8510 Narrow Exit x Less Trim

1	Rim Exit SPAR NC-E11	LD 19 TB 43 8510 EO	US32D	SA
1	Rim Exit SPAR#NC-E11	LD 19 TB 43 70 8504 Less Trim	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 16.0
Doors: 1.2
Description: Add Pr 2N Narrow Exit x Less Trim - EPT

1	Rim Exit 2N xSPAR04867/NC-E11	LD 19 TB 43 56 70 8504 Less Trim	US32D	SA
1	Rim Exit SPAR NC-E11	LD 19 TB 43 8510 EO	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Reuse existing trim.

Set: 17.0
Doors: 11, 12, 13, 17, 37, 49, 53, 54, 6, 61, 7
Description: Add Pr SN200 Narrow Exit 8504 x 8510, EPT Less Trim

1	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit SPAR NC-E11	LD 19 TB 43 8510 EO	US32D	SA
1	Rim Exit xSPAR04867/NC-E11/NC-E35	19 LD TB 43 70 56-SN200-8504 Less Trim	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 17.1
Doors: 1000A.1, 14.1, 38
Description: Add Pr EX CR Narrow Exit 56-8504 x 8510, EPT Less Trim

1	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit xSPAR04867/NC-E11	LD 19 TB 43 56 70 8504 Less Trim	US32D	SA
1	Rim Exit SPAR NC-E11	LD 19 TB 43 8510 EO	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Card Reader	Existing to remain		OT
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 18.0
Doors: 2, 44.2, 5, 50
Description: Add Pr SN200 Narrow Exit 8504 x 8510, Loop Less Trim

1	Rim Exit SPAR NC-E11	LD 19 TB 43 8510 EO	US32D	SA
1	Rim Exit xSPAR04867/NC-E11/NC-E35	19 LD TB 43 70 56-SN200-8504 Less Trim	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Replace HID jamb reader with SN200.

Set: 18.1
Doors: 18, 29
Description: Add Pr EX CR Narrow Exit 56- 8504 x 8510, Loop Less Trim

1	Rim Exit xSPAR04867/NC-E11	LD 19 TB 43 56 70 8504 Less Trim	US32D	SA
1	Rim Exit SPAR NC-E11	LD 19 TB 43 8510 EO	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Card Reader	Existing to remain		OT
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Replace HID jamb reader with SN200.

Set: 19.0
Doors: 24
Description: Add Ext SN200 Exit ETL, Loop

1	Rim Exit x SPAR04867/NC-E11	LD 19 TB 43 70 56-SN200-8804 ETL	US32D	SA
1	Retrofit Kit	688 Kit for 8800 Series Trim	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 20.0
Doors: 20, 21, 28
Description: Add SN200 Exit, Loop - Less Trim - Peep

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT
2	Viewer	622 x door thickness	DCRM	RO

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Reuse existing Trim.

Set: 21.0
Doors: 23, 36, 48
Description: Add Ext SN200 Exit, Loop - FSW - Peep

1	Rim Exit x SPAR04867/NC-E11	LD 19 TB 43 70 56-SN200-8804 FSW	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT
2	Viewer	622 x door thickness	DCRM	RO

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Reuse existing Trim.

Set: 22.0
Doors: 3, 4
Description: Add Pr SN200 8504 Exit,x 8510 Loop

1	Rim Exit xSPAR04867/NC-E11/NC-E35	19 LD TB 43 70 56-SN200-8504 862	US32D	SA
1	Rim Exit x SPAR#NC-E11	LD 19 TB 43 8510 862	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Reuse existing Trim.

Set: 23.0
Doors: 57
Description: Add Pr EXT SN200 Exit / 8810 - FSW,/FLW Loop

1	Rim Exit SPAR NC-E11	LD 19 TB 43 8810 FLW	US32D	SA
1	Rim Exit x SPAR04867/NC-E11	LD 19 TB 43 70 56-SN200-8804 FSW	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 24.0
Doors: 60
Description: Add Pr EXT SN200 / 8810 Exit - Less Trim - EPT

2	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Rim Exit EO x SPAR#NC-E11	19 LD TB 43 8810	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Reuse existing Trim

Set: 25.0
Doors: 46
Description: Add Pr EXT SN200 Exit / 8810 - FSW,/FLW Loop - Peep

1	Rim Exit SPAR NC-E11	LD 19 TB 43 8810 FLW	US32D	SA
1	Rim Exit x SPAR04867/NC-E11	LD 19 TB 43 70 56-SN200-8804 FSW	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT
2	Viewer	622 x door thickness	DCRM	RO

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 26.0
Doors: 34, 56, 58, 59
Description: Add Ext SN200 Lock, Loop

1	SN200 Mort Lock	70 SN200-82271 OL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Reuse existing Trim. Remove cylinder dogging on exiting rail with 68-1375 mounting rail insert

Set: 27.0
Doors: 1040.1, 1066.2, 1265.2, 1432.2, 1517.1, 1737.2, 1834A.5, 2817.1
Description: Existing - Add 8204

1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 28.0
Doors: 30, 32
Description: Existing - Add SN200 Lock - 2891

1	SN200 Mort Lock	70 SN200-82271 OL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Set: 29.0
Description: Not Used

1	Set	Not Used		OT

Set: 30.0
Doors: 1018.2, 1302.2, 1311.3, 1446.2, 1545.2
Description: Existing - Add 8204 - Dummy Cyl

1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Cylinder	Dummy Cylinder	US32D	SA
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 31.0
Description: Not Used

1	Set	Not Used		OT

Set: 32.0
Doors: 1266.2, 1312.3, 1322.2, 1430.2, 1447.2, 1522.1, 1535.1, 1830G.18, 1901, 1901B.1, 2811.1
Description: Existing - Add 8204 - HO Closer - Classroom

1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Closer w/ HO	TB 351 H (inswing)/ PSH (outswing) As Req	EN	SA
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 33.0
Doors: 1446.1, 2514
Description: Existing - Add 8238 - Rated Classroom

1	Classroom Security Intruder Lock	V01 EMB 70 8238 VN1L 90-3/8" Collar	US26D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Door Closer	TB 351 O/P9 (type as required)	EN	SA
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 34.0
Doors: 1112, 1114, 1116, 1143, 1144, 1145, 1146, 1147, 1154, 1155, 1156, 1157, 1162, 1201, 1213, 1217, 1220, 1222, 1225, 1227, 1231, 1235, 1241, 1244, 1246, 1248, 1251, 1256, 1258, 1261, 1266.1, 1301, 1302.1, 1303, 1311.1, 1312.2, 1315.1, 1322.1, 1323, 1416.1, 1430.1, 1431.1, 1441, 1461, 1462, 1515, 1515A.3, 1519, 1522.3, 1535, 1545.1, 1546, 1548, 1548.1, 1549, 1549.1, 1735, 1741, 1752, 1758A.1, 1760, 1761, 1762, 1763, 1764, 1766, 1767, 1768, 1820, 1834.3, 1901A.3, 1901A.4, 2112, 2114, 2116, 2141.3, 2143, 2144, 2145, 2146, 2147, 2154, 2155, 2157, 2158, 2201, 2213, 2217, 2220, 2222, 2225, 2227, 2231, 2239, 2240, 2241, 2251, 2256, 2258, 2325, 2326, 2327, 2328, 2341, 2342, 2343, 2344, 2345, 2346, 2415, 2416, 2417, 2418, 2419, 2420, 2443, 2447, 2448, 2449, 2512, 2516, 2519, 2543, 2615, 2713.1, 2715, 2716, 2717, 2718.2, 2811.2, 2813, 2821
Description: Existing - Add 8238 - HO Closer

1	Classroom Security Intruder Lock	V01 EMB 70 8238 VN1L 90-3/8" Collar	US26D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Door Closer w/ HO	TB 351 H (inswing)/ PSH (outswing) As Req	EN	SA
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 35.0
Doors: 1035, 1150, 1305, 1311A, 1313, 1447.1, 1620.1, 1620.2, 1758A.3, 1765, 2141.1, 2150, 2151, 2162, 2321, 2441, 2517, 2528, 2817, 2823, 2825
Description: Existing - Add 8238

1	Classroom Security Intruder Lock	V01 EMB 70 8238 VN1L 90-3/8" Collar	US26D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 36.0
Description: Not Used

1	Set	Not Used		OT

Set: 37.0
Doors: 1018
Description: Existing - Add 8237

1	Classroom Lock	70 8237 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 38.0
Doors: 1002, 1005, 1010.1, 1010.2, 1010.3, 1013, 1014, 1016, 1019, 1021, 1023, 1040.2, 1041, 1042, 1043, 1044, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1140, 1140A, 1140C, 1140D, 1253A, 1253C, 1253D, 1421A, 1421B, 1421D, 1500A, 1500B, 1500C, 1500E, 1732, 1732A, 1732B, 1732C, 1802.1, 1802.2, 2140.1, 2140A, 2140D, 2253A, 2253C, 2253D
Description: Existing - Add 8205

1	Office/Entry Lock	70 8205 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 39.0
Doors: 1020, 1022, 1030, 1052A, 1253.1, 1421, 1500, 2140.3, 2253.1, 2803, 2805
Description: Existing - Add 8205/ Indicator

1	Office/Entry Lock	V01 EMB 70 8205 VN1L	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 40.0
Description: Not Used

1	Set	Not Used		OT

Set: 41.0
Description: Not Used

1	Set	Not Used		OT

Set: 42.0
Description: Not Used

1	Set	Not Used		OT

Set: 43.0
Description: Not Used

1	Set	Not Used		OT

Set: 44.0
Description: Not Used

1	Set	Not Used		OT

Set: 45.0
Description: Not Used

1	Set	Not Used		OT

Set: 46.0
Description: Not Used

1	Set	Not Used		OT

Set: 47.0
Doors: 8
Description: **Pr Ext - ASF - Exit Device- SN200/DT - Mullion - Closer w/Stop Arm -Access Control

1	Continuous Hinge	CFM SLF-HD1 x Dr. Ht.		PE
1	Continuous Hinge	CFM SLF-HD1 PT x Dr. Ht.		PE
1	Electric Power Transfer	EL-CEPT	630	SU
2	Stabilizer	ST989	Dull Black	PR
1	Spacer	MCS822	689	PR
1	Mullion	822 (FL as req)	600	PR
1	Rim Exit xSPAR04867/NC-E11/NC-E35	19 LD TB 43 70 56-SN200-8504 862	US32D	SA
1	Rim Exit x SPAR#NC-E11	LD 19 TB 43 8510 862	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
1	Rim Cylinder	70 34 X #90 - 1/2	US32D	SA
1	Const. Core	7190224	Green	BE
2	Kit	581-1/ 581-2 as required	EN	SA
2	Surface Closer	TB 351 P10	EN	SA
2	Drop Plate	351D	EN	SA
2	Door Stop	462	US2C	RO
2	Sweep IDF/MDF/Alum	18061CNB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	Perimeter Seal	By door mfgr		OT
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
2	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU

Notes: Operation: Doors normally closed and locked. Valid card at the card reader retracts the latch on the active leaf for entry. Free egress at all times. Door status monitored. Confirm specified hardware is compatible with aluminum door manufacturer.

Set: 47.1
Doors: 52
Description: **Pr Ext - ASF - Exit Device- SN200/DT - KR Mullion - Closer w/Stop Arm -Access Control

1	Continuous Hinge	CFM SLF-HD1 x Dr. Ht.		PE
1	Continuous Hinge	CFM SLF-HD1 PT x Dr. Ht.		PE
1	Electric Power Transfer	EL-CEPT	630	SU
1	Mullion	KR822 (FLK as req)	600	PR
2	Stabilizer	ST989	Dull Black	PR
1	Spacer	MCS822	689	PR
1	Rim Exit xSPAR04867/NC-E11/NC-E35	19 LD TB 43 70 56-SN200-8504 862	US32D	SA
1	Rim Exit x SPAR#NC-E11	LD 19 TB 43 8510 862	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
1	Rim Cylinder	70 34 X #90 - 1/2	US32D	SA
2	Const. Core	7190224	Green	BE
2	Kit	581-1/ 581-2 as required	EN	SA
2	Surface Closer	TB 351 P10	EN	SA
2	Drop Plate	351D	EN	SA
2	Door Stop	462	US2C	RO
2	Sweep IDF/MDF/Alum	18061CNB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	Perimeter Seal	By door mfgr		OT
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
2	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU

Notes: Operation: Doors normally closed and locked. Valid card at the card reader retracts the latch on the active leaf for entry. Free egress at all times. Door status monitored. Confirm specified hardware is compatible with aluminum door manufacturer.

Set: 48.0
Doors: 47
Description: **Pr Ext - Exit Device- SN200/DT - Mullion - Closer w/Stop Arm -Access Control

1	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Continuous Hinge	CFM HD1 PT x Dr. Ht.		PE
1	Mullion	KR822 (FLK as req)	600	PR
2	Stabilizer	ST989	Dull Black	PR
1	Spacer	MCS822	689	PR
1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Rim Exit EO x SPAR#NC-E11	19 LD TB 43 8810	US32D	SA
1	Vandal Resistant Trim	826	US32D	SA
1	Vandal Resistant Trim	821	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
1	Rim Cylinder	70 34 X #90 - 1/2	US32D	SA
2	Const. Core	7190224	Green	BE
2	Kit	581-1/ 581-2 as required	EN	SA
2	Surface Closer	TB 351 PS	EN	SA
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
2	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
2	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU

Notes: Operation: Doors normally closed and locked. Valid card at the card reader retracts the latch on the active leaf for entry. Free egress at all times. Door status monitored.

Set: 49.0
Doors: 26, 27
Description: **Pr Ext - Exit Device- SN200/DT FSW- Mullion - Closer w/Stop Arm -Access Control

1	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Continuous Hinge	CFM HD1 PT x Dr. Ht.		PE
2	Stabilizer	ST989	Dull Black	PR
1	Spacer	MCS822	689	PR
1	Mullion	822 (FL as req)	600	PR
1	Rim Exit SPAR NC-E11	LD 19 TB 43 8810 FLW	US32D	SA
1	Rim Exit x SPAR04867/NC-E11	LD 19 TB 43 70 56-SN200-8804 FSW	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
1	Rim Cylinder	70 34 X #90 - 1/2	US32D	SA
1	Const. Core	7190224	Green	BE
2	Kit	581-1/ 581-2 as required	EN	SA
2	Surface Closer	TB 351 PS	EN	SA
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
2	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
2	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU

Notes: Operation: Doors normally closed and locked. Valid card at the card reader retracts the latch on the active leaf for entry. Free egress at all times. Door status monitored.

Set: 50.0
Doors: 51
Description: **Sgl - ExT -HM - Exit- SN200 FSW - Closer /Stop- Access Control

1	Continuous Hinge	CFM SLF-HD1 x Dr. Ht.		PE
1	Rim Exit x SPAR04867/NC-E11	LD 19 TB 43 70 56-SN200-8804 FSW	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PS	EN	SA
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
1	Sweep	345ANB x Dr. Width		PE
1	Sweep IDF/MDF/Alum	18061CNB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU

Notes: Operation: Doors normally closed and locked. Valid card at the card reader retracts the latch on the active leaf for entry. Free egress at all times. Door status monitored. Confirm specified hardware is compatible with door manufacturer.

Set: 50.1
Doors: 10, 55, 9
Description: **Sgl - ExT -HM - Exit- SN200 FSW - Closer /HO- Access Control - Peep

1	Continuous Hinge	CFM SLF-HD1 x Dr. Ht.		PE
1	Rim Exit x SPAR04867/NC-E11	LD 19 TB 43 70 56-SN200-8804 FSW	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PS	EN	SA
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
1	Sweep	345ANB x Dr. Width		PE
1	Sweep IDF/MDF/Alum	18061CNB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU
2	Viewer	622 x door thickness	DCRM	RO

Notes: Operation: Doors normally closed and locked. Valid card at the card reader retracts the latch on the active leaf for entry. Free egress at all times. Door status monitored. Confirm specified hardware is compatible with door manufacturer.

Set: 50.2
Doors: 45
Description: **Sgl - ExT -HM - Exit- 2N - Closer /HO- Access Control - Viewer

1	Continuous Hinge	CFM HD1 PT x Dr. Ht.		PE
1	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit 2N SPAR04867/NC-E11	19 LD TB 43 56 70 8804 Less Pull	US32D	SA
1	Vandal Resistant Trim	826	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PSH	EN	SA
2	Kick Plate	K1050 10" CSK BEV	US32D	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
1	Sweep	345ANB x Dr. Width		PE
1	Sweep IDF/MDF/Alum	18061CNB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU
2	Viewer	622 x door thickness	DCRM	RO
1	Keedex Lock Protector	K12S - SGT		OT

Notes: Operation: Doors normally closed and locked. Valid card at the card reader retracts the latch on the active leaf for entry. Free egress at all times. Door status monitored. Confirm specified hardware is compatible with door manufacturer.

Set: 51.0
Doors: 19
Description: **Sgl - ExT -HM - Exit- SN200 - Closer /Stop- Access Control - Peep

1	Continuous Hinge	CFM HD1 PT x Dr. Ht.		PE
1	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Vandal Resistant Trim	826	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PS	EN	SA
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
1	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
2	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU
2	Viewer	622 x door thickness	DCRM	RO

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 52.0
Doors: 1910H
Description: **Pr Ext - Storeroom/Mechanical - Closer/Stop

2	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Surface Bolt	580-12 @ top only	US26D	RO
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PS	EN	SA
1	Astragal Set (2)	18061CNB x Dr. Ht		PE
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
2	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
2	Door Position Switch	By Security.		OT

Notes: Closer on active leaf.

Set: 53.0
Doors: AS-1000
Description: **Sgl - Ext- Mech/Storage/Fire Riser - Closer w/Stop Arm

1	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PS	EN	SA
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
1	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	Door Position Switch	By Security.		OT

Set: 54.0
Description: Not Used

1	Set	Not Used		OT

Set: 55.0
Doors: 1242.2
Description: **Pr Int -Vest Exit Device- Sec CR x NL -KR Mullion - Closer w/HO

2	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Mullion	KR822 (FLK as req)	600	PR
2	Stabilizer	ST989	Dull Black	PR
1	Spacer	MCS822	689	PR
1	Rim Exit SPAR NC-E11	LD 19 TB 43 70 8804 ETL	US32D	SA
1	Rim Exit Sec CR x SPAR#NC-E11	19 LD TB 43 49 70 8816 ETL	US32D	SA
4	Interchangeable Core	I/CK-7	626	BE
1	Mullion Cylinder	70 34 x 1KB-3	US32D	SA
4	Const. Core	7190224	Green	BE
2	Surface Closer	TB 351 PSH	EN	SA
2	Door Stop	481H	US26D	RO
2	Silencer	608		RO

Set: 56.0
Doors: 1831, 1835
Description: **Sgl - Exit Device-Security CL - Closer - STC

3	Hinges	By the STC door manufacturer		OT
1	Rim Exit Sec CR x SPAR#NC-E11	LD TB 19 31 43 49 70 8816 ETL	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Door Closer	TB 351 O/P9 (type as required)	EN	SA
1	Door Stop	462	US2C	RO
1	Gasket, threshold, door bottom	By the STC door manufacturer		OT

Notes: Door hardware is specified for design intent. Confirm hardware compatibility and design meets the door manufacturer's approved assembly testing for the STC level indicated.
31- if door is over 1 3/4" thick. HO closer not available with cam lift hinges.

Set: 57.0
Doors: 1324, 1326, 1700.5, 1721B.2, 1920.1
Description: Sgl - Exit Device-Security CL - Closer / HO

3	Hinge (heavy weight)	T4A3786	US26D	MK
1	Rim Exit Sec CR x SPAR#NC-E11	19 LD TB 43 49 70 8816 ETL	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PSH	EN	SA
1	Door Stop	481H	US26D	RO
1	Gasketing	2891APK (head & jambs)		PE

Set: 58.0
Doors: 1836
Description: **Pr - Int Classroom Sec CL x NL -Closer - Armor - CH

2	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Mullion	KR822 (FLK as req)	600	PR
2	Stabilizer	ST989	Dull Black	PR
1	Spacer	MCS822	689	PR
1	Rim Exit SPAR NC-E11	LD 19 TB 43 70 8804 ETL	US32D	SA
1	Rim Exit Sec CR x SPAR#NC-E11	19 LD TB 43 49 70 8816 ETL	US32D	SA
4	Interchangeable Core	I/CK-7	626	BE
1	Mullion Cylinder	70 34 x 1KB-3	US32D	SA
4	Const. Core	7190224	Green	BE
1	Door Closer w/ HO	TB 351 H (inswing)/ CPSH (outswing) As Req	EN	SA
2	Armor Plate	K1050 36" CSK BEV	US32D	RO
2	Door Stop	481H	US26D	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Mullion Gasketing	5110BL		PE

Notes:

Set: 59.0
Doors: 1000.1
Description: **Sgl- Int ASF- SN200 Lock- Closer - Access Control

1	Continuous Hinge	CFM SLF-HD1 PT x Dr. Ht.		PE
1	Electric Power Transfer	EL-CEPT	630	SU
1	SN200 Mort Lock	70 SN200-82271 OL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Closer	TB 351 O/P9 (type as required)	EN	SA
1	Door Stop	481H	US26D	RO
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU
1	Gasketing	By the frame manufacturer		OT

Notes: Operation: Door normally closed and secure. Valid card at the card reader will allow entry by trim. Free egress at all times. Door status is monitored. Install reader and cylinder on reception side.

Set: 60.0
Doors: 1325, 1327, 1814, 1835E
Description: **Sgl - Storeroom

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
3	Silencer	608		RO

Set: 61.0
Doors: 1833
Description: **Sgl - Storeroom - Wide

3	Hinge (heavy weight)	T4A3786	US26D	MK
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
3	Silencer	608		RO

Set: 62.0
Doors: 1813
Description: **Sgl - Storeroom - Closer / HO - Gasket - Janitor

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Closer w/ HO	TB 351 H (inswing)/ PSH (outswing) As Req	EN	SA
1	Kick Plate	K1050 10" CSK BEV	US32D	RO
1	Door Stop	481H	US26D	RO
1	Gasketing	2891APK (head & jambs)		PE

Set: 62.1
Doors: 1808.1, 1808.2
Description: **Sgl - 8237 - Closer / HO - Servery

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Lock	70 8237 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Closer w/ HO	TB 351 H (inswing)/ PSH (outswing) As Req	EN	SA
1	Kick Plate	K1050 10" CSK BEV	US32D	RO
1	Door Stop	481H	US26D	RO
3	Silencer	608		RO

Set: 63.0
Doors: 1328, 1819
Description: **Pr - Storeroom - Floor Stop - Mechanical - No Closer

6	Hinge, Full Mortise	TA2714	US26D	MK
1	Surface Bolt	580-12 @ top only	US26D	RO
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	481H	US26D	RO
2	Silencer	608		RO

Set: 63.1
Doors: 1818
Description: **Sgl Storeroom - Floor Stop - Mechanical - No Closer

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
3	Silencer	608		RO

Set: 64.0
Doors: 1810
Description: **Sgl - Office, Conf, Work, Sat Admin Offices, Lounge, Nurse - No Closer

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Office/Entry Lock	70 8205 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
1	Silencer	608		RO

Set: 65.0
Doors: 1822
Description: **Sgl CH Pair Typ - Security Classroom - Closer - HO

2	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Auto Flush Bolt - top only	2840 /2940	US26D	RO
1	Classroom Security Intruder Lock	V01 EMB 70 8238 VN1L 90-3/8" Collar	US26D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Coordinator	2672	Black	RO
2	Mounting Bracket	2601AB	Black	RO
2	Door Closer w/ HO	TB 351 H (inswing)/ CPSH (outswing) As Req	EN	SA
2	Door Stop	481H	US26D	RO
2	Silencer	608		RO

Notes: Provide hold open closers at classrooms.

Set: 66.0
Doors: 1812
Description: **Sgl - Classroom - KP

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Lock	70 8237 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Kick Plate	K1050 10" CSK BEV	US32D	RO
1	Door Stop	481H	US26D	RO
3	Silencer	608		RO

Set: 67.0
Doors: 1835F, 1835G, 1835H, 1835J
Description: **Sgl - 8237 - Practice STC

3	Hinges	By the STC door manufacturer		OT
1	Classroom Lock	31 70 8237 LNL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasket, threshold, door bottom	By the STC door manufacturer		OT

Notes: Door hardware is specified for design intent. Confirm hardware compatibility and design meets the door manufacturer's approved assembly testing for the STC level indicated.
31- if door is over 1 3/4" thick. HO closer not available with cam lift hinges.

Set: 68.0
Doors: 1837, 1838
Description: **Sgl - Multi Occ RR - Classroom Cyl - Closer

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Lock	70 10XG37 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Closer w/ HO	TB 351 H (inswing)/ PSH (outswing) As Req	EN	SA
1	Door Stop	481H	US26D	RO
3	Silencer	608		RO

Set: 69.0
Doors: 1614B, 1811A, 1811B
Description: **Sgl - Typ / 8265 Privacy - Closer - HO

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Privacy Lock	V20 8265 VN1L	US26D	SA
1	Door Closer w/ HO	TB 351 H (inswing)/ CPSH (outswing) As Req	EN	SA
1	Kick Plate	K1050 10" CSK BEV	US32D	RO
1	Door Stop	481H	US26D	RO
3	Silencer	608		RO

Set: 70.0
Doors: 1817A, 1817B, 1839
Description: **Sgl - MS / HS Staff RR - Hotel Lock w/Indicator - Closer - Hold*

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Hotel Guest Lock Lock	V20 LC 8250 VN1L	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Mortise Cylinder for Hotel Lock	1E-7G4 C208 RP3	626	BE
1	Door Closer w/ HO	TB 351 H (inswing)/ CPSH (outswing) As Req	EN	SA
1	Kit	581-1/ 581-2 as required	EN	SA
1	Door Stop	481H	US26D	RO
1	Silencer	608		RO

Set: 71.0
Doors: 1808.OH20, 1808.OH21, 1808.OH22, 1808.OH23, 1910.OH1
Description: **OH Coiling Doors - No Work

1	All hardware	Existing to remain		OT

Set: 72.0
Doors: 2001-F
Description: **OH Coiling Doors - Motorized

2	Mortise Cylinder	70 42	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
2	Keyswitch	MK x MKS		SU
1	Balance hardware	by the door manufacturer		OT

Notes: Provide keyswitch on both sides of door.

Set: 73.0
Doors: 1288.1, 1288.2, 1288.3, 1841.O3, 1841.OH1, 1841.OH2, 1842.OH1, 1842.OH2, 1842.OH3
Description: **OH Coiling Doors - Manual

1	All hardware	By the door manufacturer		OT

Notes:

Set: 74.0
Doors: 1000B.1, 1000B.2, 1001, 1003, 1004, 1011, 1012, 1015, 1018.1, 1022.1, 1022.3, 1022A, 1025, 1028, 1030A, 1030B, 1030D, 1035A, 1035B, 1035C, 1035D, 1035E, 1036, 1037, 1040A, 1059, 1061, 1062, 1063, 1064, 1065.1, 1065.2, 1066.1, 1101, 1102, 1103, 1105, 1110, 1140B, 1151, 1202, 1203, 1204, 1212.1, 1212.4, 1214A, 1216, 1218, 1218A, 1221, 1226, 1228.1, 1232, 1234, 1242.1, 1243, 1245, 1247A.1, 1247A.2, 1247B, 1250, 1252, 1253B, 1255.3, 1257A.1, 1257A.2, 1257A.3, 1264, 1265.1, 1266A, 1304, 1307, 1311.2, 1312.1, 1314, 1315A.1, 1315A.2, 1315A.3, 1315B, 1315C, 1315D, 13221, 1322B, 1369.8, 1369.9, 1404, 1411, 1412, 1414, 1415, 1416.2, 1416B, 1421C, 1430A, 1431.2, 1431A, 1432.1, 1441A, 1442A, 1442B, 1443, 1443A, 1443B, 1446.3, 1446B, 1447A, 1447B, 1447C, 1461A, 1461B, 1500D, 1515A.2, 1515B, 1515C, 1517.2, 1518, 1522.2, 1522A, 1522B, 1522C, 1533, 1535A, 1535B, 1535C, 1535D, 1535E, 1535F, 1545A, 1546A, 1546B, 1546C.1, 1546C.2, 1546D, 1548A, 1548B, 1548C, 1548D, 1549.2, 1550, 1611.1, 1611A, 1614A.1, 1614A.2, 1614D, 1614F, 1618, 1618A, 1619A.2, 1621A, 1621B, 1622, 1622C, 1622D, 1626, 1628, 1630A, 1632, 1633, 1636, 1640, 1646, 1648, 1649, 1654.1, 1654.2, 1654.3, 1654A, 1654B, 1701, 1702, 1708, 1709, 1710.1, 1710.2, 1711B, 1712, 1714, 1715, 1715A, 1715B, 1715C, 1716, 1717A, 1720A, 1720B, 1720C, 1721.3, 1721.4, 1721.5, 1721.6, 1721.7, 1721B.1, 1721C, 1721D, 1725, 1726.1, 1731, 1731A, 1732D, 1735.1, 1735.2, 1735.3, 1735.OH1, 1735.OH2, 1735A, 1735E, 1736A, 1736B, 1737.1, 1740.1, 1740.2, 1740.3, 1740A, 1740B, 1740E, 1741.1, 1741.OH1, 1741A, 1741B, 1747, 1750, 1751.OH1, 1751A, 1751B, 1751C, 1751D, 1751E, 1751G, 1751H, 1751J, 1751K, 1751L, 1751M, 1751N, 1751P, 1751Q, 1751R, 1756A.1, 1756A.2, 1756A.3, 1756B, 1766A, 1770, 1770A, 1801, 1805, 1820A, 1820B, 1820B.1, 1820C, 1820D, 1821, 1822.3, 1830A, 1830B, 1830C, 1830D, 1830E, 1830F, 1830G.15, 1832, 1835A, 1835D.3, 1836A, 1836B, 1836D, 1836E, 1836F, 1836G, 1836H, 1836J.1, 1836J.2, 1836K, 1836L, 1836M, 1841, 1841.9, 1842, 1844A, 1844B, 1901A.2, 1901A.5, 1905, 1906, 1910A, 1910B, 1912, 1912A, 1913, 1914, 1916, 1916.OH1, 1916.OH2, 1916A, 1916B, 1918, 1920.2, 1920.OH1, 1920A, 1921, 1922, 1923, 1925, 1926, 2101, 2102, 2103, 2105, 2106, 2140.2, 2152, 2202, 2203,

2204, 2212.3, 2212A, 2214A, 2215, 2215.1, 2216, 2218A, 2219, 2221, 2226.2, 2228.2, 2230, 2232, 2234, 2235, 2236, 2238, 2243, 2244, 2245, 2246, 2247.1, 2247B, 2249, 2250, 2250A, 2252, 2253.2, 2255.2, 2257.1, 2311.2, 2313.1, 2314A, 2315, 2315.1, 2322, 2323, 2324, 2340, 2347, 2348, 2412, 2414, 2421, 2446, 2450A.1, 2450A.2, 2450A.3, 2450B, 25, 2515A, 2528A, 2547, 2549, 2612A, 2612B, 2614A.1, 2614A.2, 2614A.3, 2614B, 2616.4, 2617, 2709, 2709A, 2710, 2711, 2712, 2713A, 2713B, 2713C, 2714, 2714A, 2720, 2724, 2724A.1, 2724A.2, 2724B, 2726A, 2726C, 2726D, 2800, 2801, 2801B, 2805A, 2822, 2826, 2901, C2340, PB-17, PB-18, S1.1, S1.2, S11.1, S12.1, S12.2, S13.1, S13.2, S14.1, S14.2, S2.1, S2.2, S3.1, S3.2, S4.1, S4.2, S5.1, S5.2, S5.3, S6.1, S6.2, S8.1, S8.2, S9.1, S9.2
Description: No Work

1	All hardware	Existing to remain	OT

Set: 75.0
Doors: 1815, 1816
Description: By Others

1	All hardware	By the door manufacturer	OT

Set: 76.0
Doors: Attic
Description: **Attic Stock - EVERY CAMPUS

1	Hydraulic Gate Closer & Hinge	MAMMOTH-180-HD	9005	OT
5	Quick Fix Bolts	MAMMOTH-P00006000		OT
5	Mullion Lock	98-2520		SA
5	Mullion Lock	98-2518		SA
5	130KB	Thumbturn Kit	26D	SA
5	Classroom Security Intruder Lock	8238 Lock Body	US26D	SA
50	Interchangeable Core	I/CK-7	626	BE
20	Const. Core	7190224	Green	BE
50	Key Blanks	Best "A" Keyway		BE
2	Electric Strike	9400	630	HS
2	Electric Strike	9500	630	HS
12	Regular Hold Open Arm	25-H	EN	SA
12	Parallel Hold Open Arm	25-PSH	EN	SA
4	Electromagnetic Holder	994M 24VAC	689	RF
5	994M Magnetic Parts	Door Armature 994510M	689	RF
5	994M Magnetic Parts	Screw & Backplate 998300	689	RF
5	994M Magnetic Parts	Swivel Armature 900-3	689	RF
5	994M Magnetic Parts	Magnet Assembly 998369-3V	689	RF
5	994M Magnetic Parts	Wall Cover 998315M	689	RF
4	SN200 Reader	52 6027 (Exit / Lock)	26D	SA

Notes: All attic stock ships direct to
Director of Technical Services
Cy Fair ISD Lockshop
11430 Perry Road
Houston, Texas 77064 **DO NOT ship to jobsite. Distributor to ship directly to Cy Fair.

Set: 77.0
Doors: 1000-F, 1841.O9, 2000-F, AS-1001, AS-OH1, GH-1000, GH-1001, GH-1002
Description: Not Found

1	Door	Not found	OT

END OF SECTION

SECTION 09 84 13

FIXED SOUND-ABSORPTIVE/SOUND-REFLECTIVE PANELS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Acoustical wall panel system.

1.2 SUBMITTALS

A. General: Submit in accordance with SECTION 01 33 23 – SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Shop Drawings: Submit proposed layout of coverage by acoustical panels, details of proposed mounting method.

C. Samples:
1. Submit a minimum size of 12" x 12" sample of each proposed panel, to include specified facing, proposed edge detailing and a mounting element.
2. Submit manufacturer's available sample selections of fabric or color for Architect's selection and approval.

D. Certification: Submit manufacturer's certificates of flame spread rating of selected fabric facings or products, and independent laboratory tests of sound absorption coefficients for products in thickness specified.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. Acoustical Wall Panels: Provide acoustical wall panels as manufactured by one of the following:

Armstrong World Industries.	Kinetics Noise Control, Inc.
Conwed Designscape (Owens Corning)	QTS Quiet Technology Systems
Decoustics. Ltd (Saint-Gobain)	RPG Acoustics
Golterman & Sabo, Inc. (G&S Acoustics)	

B. Quality: Custom, fabric covered acoustical wall panels constructed of rigid fiberglass insulation core with fabric stretched and bonded over core. Panels shall have fully tailored square edges and corners, with fabric wrapped around edge and secured to back of panel. Edges shall be made rigid and abuse resistant by either chemical edge-hardening resin or non-ferrous metal framing.
1. Acoustical Wall Panels (AWP-01, AWP-02, AWP-03): Soundsoak Wall Panels as manufactured by Armstrong World Industries.
   a. Panel Core: 6 to 7 pound per cubic foot fiberglass or mineral wool insulation board; or molded rigid fiberglass honeycomb panels with flat fiberglass faces.
   b. Panel Fabric: As scheduled; refer to Drawings.
   c. Panel Sizes and Thickness: 3" thickness and face dimensions as indicated.
   d. Sound Absorption (ASTM C 423): Noise Reduction Coefficient (NRC) minimum value 1.00 for a Type A (#4) mounting or Type D-20 (#2) mounting, whichever mounting method will be used to meet the specified NRC.
2. Acoustical Wall Panels (AWP-04): Soundsoak Wall Panels as manufactured by Armstrong World Industries.
   a. Panel Core: 6 to 7 pound per cubic foot fiberglass or mineral wool insulation board; or molded rigid fiberglass honeycomb panels with flat fiberglass faces.
   b. Panel Fabric: As scheduled; refer to Drawings.
   c. Panel Sizes and Thickness: 2" thickness and face dimensions as indicated.
   d. Sound Absorption (ASTM C 423): Noise Reduction Coefficient (NRC) minimum value 1.00 for a Type A (#4) mounting or Type D-20 (#2) mounting, whichever mounting method will be used to meet the specified NRC.

D. Flammability (ASTM E 84): Flame Spread 25 or less.

E. Hardware: Manufacturer's standard concealed mounting hardware consisting of panel, wall and leveling clips.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine walls for conditions that would prevent proper installation of acoustical products, and report such conditions to the Architect for correction.

B. Do not proceed until defective conditions are corrected.

3.2 INSTALLATION

A. Securely install acoustical panels aligned plumb and square, with uniform, tight butt joints between adjacent panels, in accordance with manufacturer's written directions.

B. Contractor shall remove packing material, construction debris, tools and equipment from site upon completion of work, leaving each installation clean and acceptable for use and occupancy by Owner.

END OF SECTION

SECTION 32 93 00

PLANTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Trees.
2. Planting Soil.
3. Mulch.

1.2 DEFINITIONS

A. Backfill: The earth used to replace or the act of replacing earth in an excavation.

B. Finish Grade: Elevation of finished surface of planting soil.

C. Planting Soil: Native or imported topsoil, manufactured topsoil, or surface soil modified to become topsoil; mixed with soil amendments.

D. Subgrade: Surface or elevation of subsoil remaining after completing excavation, or top surface of a fill or backfill, before placing planting soil.

E. Subsoil: All soil beneath the topsoil layer of the soil profile and typified by the lack of organic matter and soil organisms.

1.3 SUBMITTALS

A. Current digital photographs of each plant type to demonstrate plant size (with measuring rod or person in photo for scale), container size, condition, color, and source (include nursery name, location, and contact).

B. Samples of topsoil and soil amendments in one-gallon Ziploc bags along with product data sheets showing source, composition and other critical information.

C. Samples of mulch in one-gallon Ziploc bags along with product data sheets showing source, composition and other critical information.

D. Product data sheets for any other products indicated.

E. Planting Schedule: Indicating anticipated planting dates for exterior plants.

F. Substitutions: Contractor shall submit evidence when submitting substitution requests that at least 3 different suppliers were searched / contacted.

1.4 QUALITY ASSURANCE

A. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor on Project site when planting is in progress.

B. Provide quality, size, genus, species, and variety of exterior plants indicated in the planting schedule, complying with applicable requirements in ANSI Z60.1, "American Standard for Nursery Stock."

C. Coordinate onsite inspection of representative plant materials by owner’s representative prior to installation.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Do not prune trees before delivery. Protect bark, branches, and root systems from sun scald, drying, sweating, whipping, and other handling and tying damage. Do not bend or bind-tie trees or shrubs in such a manner as to destroy their natural shape. Provide protective covering of exterior plants during delivery. Do not drop plants during delivery and handling.

B. Handle planting stock by root ball.

C. Deliver exterior plants after preparations for planting have been completed and install immediately. If planting is delayed more than six hours after delivery, set exterior plants and trees in shade, protect from weather and mechanical damage and keep roots moist.

1.6 WARRANTY

A. Special Warranty: Installer's standard form in which Installer agrees to repair or replace plantings that fail in materials, workmanship, or growth within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Death and unsatisfactory growth, except for defects resulting from lack of adequate maintenance, neglect, or abuse by Owner, or incidents that are beyond Contractor's control.
b. Structural failures including plantings falling or blowing over.

2. Warranty Periods from Date of Substantial Completion:

a. Trees and Plants: Replace dead trees and plants for one year (material and labor) following substantial completion. All plants not in vigorous, thriving conditions shall be replaced at no cost to owner. Replacements shall be warrantied for one full year.

1.7 MAINTENANCE SERVICE

A. Initial Maintenance Service: Provide full maintenance by skilled employees of landscape installer. Maintain as required in Part 3. Begin maintenance immediately after each area is planted and continue until plantings are acceptably healthy and well established, but for not less than maintenance period below.

1. Maintenance Period for Trees and Plants: Three months from date of planting substantial completion.

PART 2 - PRODUCTS

2.1 TREE AND PLANT MATERIAL

A. General: Furnish nursery-grown trees and shrubs complying with ANSI Z60.1, with healthy root systems developed by transplanting or root pruning. Provide well-shaped, fully branched, healthy, vigorous stock free of disease, insects, eggs, larvae, and defects such as knots, sun scald, injuries, abrasions, and disfigurement.

B. Root-Ball Depth: Furnish trees and shrubs with root balls which meet the minimum depth standards per ANSI Z60.1, when measured from top of root ball. Root flare shall be visible before planting.

C. Provide container-grown trees.

D. Plant sizes indicated on Drawings are sizes after pruning.

E. Container-grown plants should not be overgrown or root bound in the container. Nor should they be undersized material recently “bumped up” with roots not yet developed to the specified container size.

2.2 TOPSOIL

A. Topsoil:

1. Reuse native topsoil stockpiled on-site when possible. Clean surface soil of roots, plants, sod, stones, clay lumps, and other extraneous materials harmful to plant growth. Verify suitability of stockpiled surface soil for use as topsoil. Amend as necessary to produce suitable topsoil.

2. Imported topsoil should be locally sourced and high quality material. Submit sample for approval prior to delivery.

2.3 SOIL AMENDMENTS

A. Organic Compost: Well-composted, stable, and weed-free organic matter, pH range of 5.5 to 8; moisture content 35 to 55 percent by weight; 100 percent passing through 1-inch sieve; soluble salt content of 5 to 10 decisiemens/m.

B. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus, and potassium in the following composition:

1. 20 percent nitrogen, 10 percent phosphorous, and 10 percent potassium, by weight.

2.4 PLANTING SOIL MIX

A. Clean Topsoil: Remove stones larger than 1 inch in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.

B. Compost: Thoroughly till loose compost into topsoil at the ratio and depth called for in the planting details.

2.5 MULCHES

A. Organic Mulch: 100% shredded, aged hardwood mulch. No color additives. New Earth Composted Mulch, or approved equal.

PART 3 - EXECUTION

3.1 PLANTING BED ESTABLISHMENT

A. Soil Prep: Prepare soil mix per 2.4.

B. Form: Beds should be laid out accurately per plan. Straight lines, flowing curves and tight transitions between materials is a priority, critical to design intent.

C. Finish Grading: Grade planting beds to a smooth, uniform surface plane with loose, uniformly fine texture. Roll and rake, remove ridges, and fill depressions to meet finish grades. Bed edges should be over excavated against steel edging or adjacent hardscape and tapered back to allow for containment of mulch.

3.2 TREES AND PLANTS

A. Excavation of Pits:
1. Excavate circular pits with sides sloped slightly inward. Trim base leaving center area raised slightly to support root ball and assist in drainage. Do not further disturb base. Scarify sides of plant pit smeared or smoothed during excavation.

2. Excavate pits to depths appropriate for the size plant material and root ball.
3. Excavate pits at least twice the width of the root ball.

B. Root Flare: Before planting, verify that root flare is visible at top of root ball per ANSI Z60.1, clearing any soil above the root flare.

C. Root Balls: Set trees and plants plumb and in center of pit with top of root ball 1 inch above adjacent finish grades.
1. Container Grown: Carefully remove root ball from container without damaging root ball or plant.

D. Backfill: Use stockpiled topsoil from excavation to backfill planting pits. If not in a prepared planting bed, use native backfill free of rocks or other debris. Tamp lightly and water in to remove voids in the backfill material.

3.3 TREE AND PLANT PRUNING

A. Remove only dead, dying, or broken branches. Do not prune for shape.

3.4 MULCHING

A. Organic Mulch:
1. Mulch backfilled and prepared surfaces of tree pits, planting beds and other areas indicated.
2. Provide organic mulch around trees in lawn areas or other mulched planting beds.
3. Apply three (3) inch average thickness of mulch, unless another thickness is called for in the plans. Do not place mulch within 3 inches of trunks or stems.
4. Mulched bed edges should be finished slightly below steel edging or adjacent hardscape to create a clean and contained line.

3.5 MAINTENANCE

A. Tree and Plant Maintenance: Maintain plantings by pruning, cultivating, watering, weeding, fertilizing, restoring mulch and resetting to proper grades or vertical position to support healthy, viable plantings.

B. Spray or treat as required to keep plants free of insects and disease.

C. Protect plants from damage due to landscape operations or other contractor operations on the site. Maintain protection during installation and maintenance periods. Treat, repair, or replace damaged plantings.

END OF SECTION 32 93 00

Tam Quang
VLK Architects
20445 Tx 249 Ste. 350
Houston, TX 77070

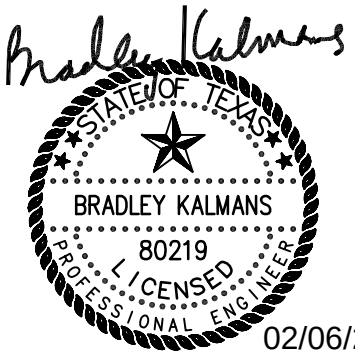
February 06, 2025

Reference: Cypress-Fairbanks Independent School District
Cy Creek High School
Section 114000 – Food Service Equipment
Addendum 2

The following items are required to be included in Addendum 2.

DRAWINGS:

1) **Sheet FS2.2 - FS TEMPORARY COLD STORAGE PLAN.**
   a) **Incorporate items E102A and E102B into the electrical connections schedule.**



02/06/2025

2024 Cy-Creek HS Renovations
Cypress-Fairbanks ISD
Houston, Texas

February 6, 2025

MEPT ADDENDUM NO. 2

1. SECTION 26 55 61 - THEATRICAL LIGHTING

A. Delete this section entirely.

2. SECTION 23 82 41 – ELECTRIC DUCT HEATERS

A. Delete this section entirely.

END OF SALAS O'BRIEN ADDENDUM ITEMS

2024 Cy-Creek HS Renovation
24-02-5754-R-RFP
CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

ABBREVIATIONS

A
A.F.F.	ABOVE FINISH FLOOR
A.C.T.	ACOUSTICAL CEILING TILE
ADDL.	ADDITIONAL
A.B.	AIR BARRIER
A.C.M.	ALUMINUM COMPOSITE PANEL
A.D.A.	AMERICANS WITH DISABILITIES ACT
AL/ALUM.	ALUMINUM
APPROX.	APPROXIMATE OR APPROXIMATELY
ARCH.	ARCHITECT OR ARCHITECTURAL

B
BD.	BOARD
B.O.W.	BOTTOM OF WALL
B.U.R.	BUILT-UP ROOFING
BLDG.	BUILDING

C
℄	CENTER LINE
C.R.	CLASSROOM
C.F.S.	COLD-FORMED STEEL
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
C.M.	CONSTRUCTION MANAGER
CONT.	CONTINUOUS
C.I.	CONTINUOUS INSULATION
C.J.	CONTROL JOINT
COORD.	COORDINATE
CORR.	CORRIDOR

D
DIA.	DIAMETER
D.O.	DOOR OPENING
DN.	DOWN
DS.	DOWNSPOUT

E
EA.	EACH
E.W.	EACH WAY
ELEC.	ELECTRICAL
E.W.C.	ELECTRIC WATER COOLER
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXT.	EXTERIOR
EIFS	EXTERIOR INSULATION & FINISH SYSTEM

F
FT.	FEET or FOOT
F.R.P.	FIBERGLASS REINFORCED PLASTIC
F.V.	FIELD-VERIFY
FIN.	FINISH
F.F.	FINISH FLOOR
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER & CABINET
F.H.C.	FIRE HOSE CABINET
F.H.C.S.	FLAT-HEAD COUNTERSUNK
FLR.	FLOOR
F.D.	FLOOR DRAIN
FLUOR.	FLUORESCENT

G / H
GALV.	GALVANIZED
GA.	GAGE
G.C.	GENERAL CONTRACTOR
G.O.	GLAZED OPENING
GYP	GYPSUM
HT.	HEIGHT
H.P.	HIGH POINT
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.B.	HORIZONTAL BLINDS
H.D.G.	HOT-DIP GALVANIZED
HR.	HOUR

I / J / K
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
I.B.C.	INTERNATIONAL BUILDING CODE

L
LAV.	LAVATORY
L.L.H.	LONG LEG HORIZONTAL
L.L.V.	LONG LEG VERTICAL
L.P.	LOW POINT
L.V.T.	LUXURY VINYL TILE

M
MFR.	MANUFACTURER
MFG.	MANUFACTURING
M.B.	MARKER BOARD
M.O.	MASONRY OPENING
MAX.	MAXIMUM
MECH.	MECHANICAL

M (CONT.)
MOD BIT	MODIFIED BITUMEN
MULL.	MULLION
M.E.P.	MECHANICAL-ELECTRICAL-PLUMBING
M.C.M.	METAL COMPOSITE MATERIAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS

N
NOM.	NOMINAL
N/A	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO./#	NUMBER

O
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPP	OPPOSITE HAND
OHD.	OVERHEAD
O.F.C.I.	OWNER-FURNISHED, CONTRACTOR-INSTALLED
O.F.O.I.	OWNER-FURNISHED, OWNER INSTALLED

P / Q
PR.	PAIR
P.LAM.	PLASTIC LAMINATE
PL.	PLATE
PLUMB.	PLUMBING
PT.	POINT
P.C.F.	POUNDS PER CUBIC FOOT
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
PREFAB.	PREFABRICATED
PROJ.	PROJECTOR or PROJECTION
Q.T.	QUARRY TILE

R
R.	RADIUS
REBAR	REINFORCING BAR
REF.	REFERENCE or REFER TO
R.C.P	REFLECTED CEILING PLAN
RE:	REGARDING
REFG.	REFRIGERATOR
REINF.	REINFORCE or REINFORCING
REQD.	REQUIRED
R.	RISER (STAIR)
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING

S
SIM.	SIMILAR
S.C.	SOLID CORE
S.A.B.	SOUND ATTENUATION BLANKET
S.A.F.B.	SOUND ATTENUATION FIRE BLANKET
S.T.C.	SOUND TRANSMISSION CLASS
SPEC.	SPECIFICATION
SQ.	SQUARE
S.F.	SQUARE FOOT
S.S.	STAINLESS STEEL
STRUC.	STRUCTURAL
SUSP.	SUSPENDED

T
T.B.	TACKBOARD
T.W.	TACK WALL
T.C.	TEACHER'S CABINET
T.A.S.	TEXAS ACCESSIBILITY STANDARDS
T.	TREAD (STAIR)
T&B	TOP & BOTTOM
T.O.	TOP OF
T.C.	TOP OF CURB
T.O.D.	TOP OF DECK
T.O.J.	TOP OF JOIST
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL

U / V
U/C	UNDER COUNTER
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VERT.	VERTICAL
V.C.T.	VINYL COMPOSITION TILE
V.W.C	VINYL WALL COVERING

W / X / Y / Z
W.C.	WATER CLOSET
W.R.B.	WATER-RESISTIVE BARRIER
WT.	WEIGHT
W.	WIDE
W/	WITH
W/O	WITHOUT
W.P.	WORKING POINT
W.W.F.	WELDED WIRE FABRIC

MATERIAL INDICATIONS

SYMBOLS LEGEND

PROJECT INFORMATION

PROJECT IDENTIFICATION
PROJECT NAME - CYPRESS CREEK HIGH SCHOOL
OWNER - CYPRESS FAIRBANKS I.S.D.
PROJECT LOCATION - 9815 GRANT RD, HOUSTON, TEXAS 77070
TDLR PROJECT REGISTRATION NUMBER - TBD

APPROXIMATE BUILDING AREAS
EXISTING AREA - LEVEL 1:	374,437 S.F.
EXISTING AREA - LEVEL 2:	224,570 S.F.
PROPOSED ADDITION - LEVEL 1:	9,739 S.F.
NEW AREA:	608,746 S.F.

BUILDING CONSTRUCTION INFORMATION
TYPE OF CONSTRUCTION (TABLE 601 - IBC):	TYPE I-B
FIRE PROTECTION SYSTEM:	AUTOMATIC SPRINKLER SYSTEM THROUGHOUT

GENERAL NOTES

1. Refer to the CODE-series sheets tor Code Information, Design Criteria and Fire Protection Requirements.
2. Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
3. Based on the applicable design criteria, submit Shop Drawings of the proposed pattern of control joints in masonry veneer, CMU, gypsum board, plaster and stucco to the Architect for review and approval prior to construction.
4. In case of discrepancies in or between the Contract Documents, the greater quantity or better quality shall be bid. Clarifications regarding the discrepancies shall be requested from the Architect prior to construction, and the resulting interpretations implemented in accordance with the Contract Documents.
5. Contracts shall visit the site prior to submitting bids and understand the scope of work under this project. Prior to submitting bids reference specifications for additional information.

SITE LOCATION MAP

CYPRESS CREEK HIGH SCHOOL
9815 GRANT RD
HOUSTON, TEXAS

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CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

24-02-5754-R-RFP

RUDOLPH STARKS JR.
24202
02/07/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

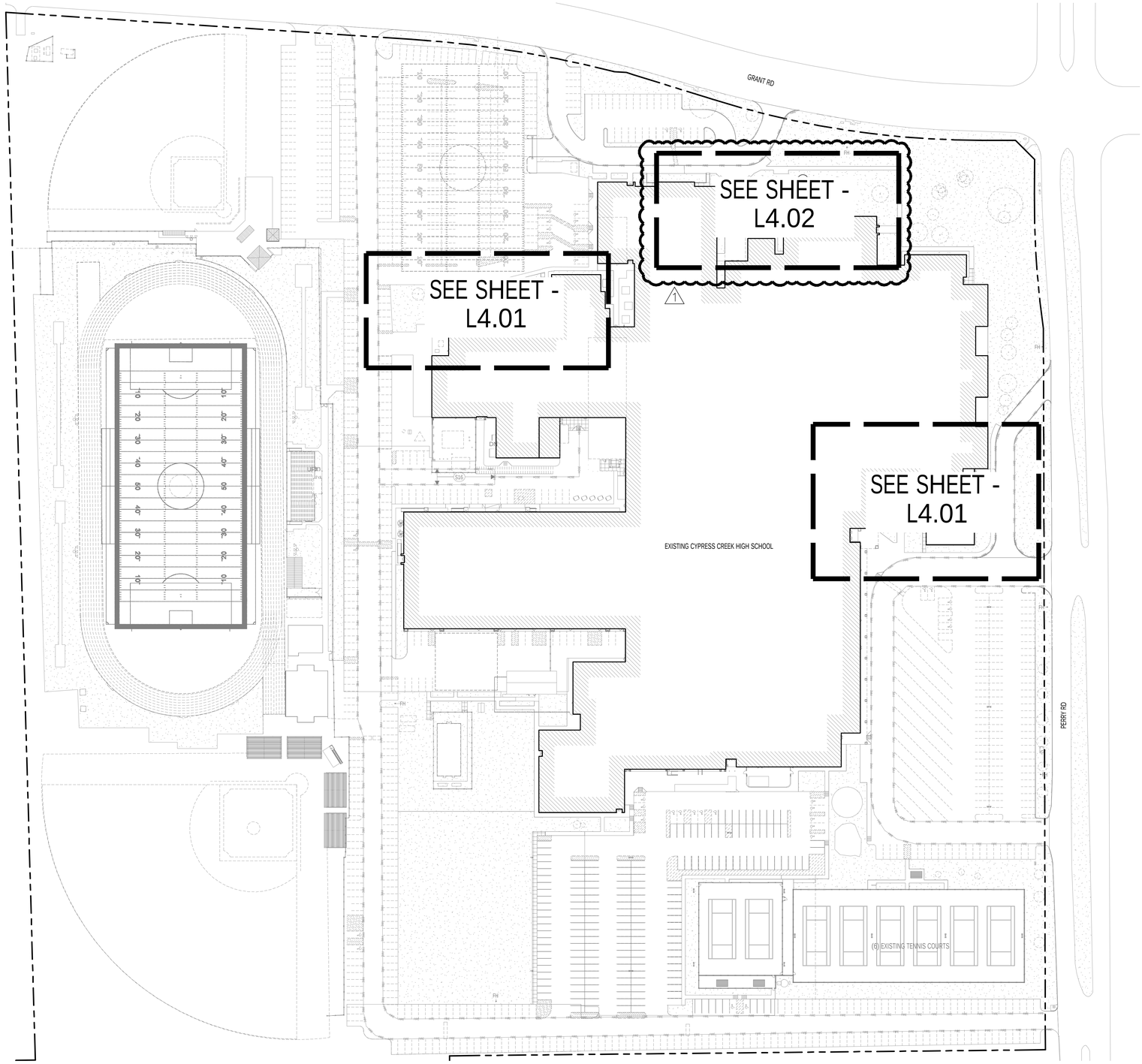
Director RSJ	Drawn By TQ, BW
Designer BE\TQ	Quality Control
Proj. Arch. TQ	

PROJECT NO.
23-148.00

SHEET TITLE
INDEX TO DRAWINGS, GENERAL NOTES, ABBREVIATIONS

2024 Cy-Creek HS Renovation

SHEET NO.
INDEX.1



1 OVERALL IRRIGATION PLAN
1" = 60'-0"

0 30 60 120 180
GRAPHIC SCALE IN FEET

IRRIGATION MODIFICATION NOTES

THE CONTRACTOR SHALL VISIT THE SITE & DOCUMENT THE EXISTING IRRIGATION SYSTEM TO A LEVEL SUFFICIENT TO DETERMINE:

1. THAT THE BACKFLOW PREVENTION DEVICE ON THE EXISTING SYSTEM IS FUNCTIONAL. IF NOT, HE SHALL PROVIDE A NEW ONE. BRAND TO MEET CYFAIR ISD STANDARD.
2. THAT THE EXISTING CONTROLLER CAN ACCOMMODATE NEW ZONES OR EXISTING ZONES MODIFIED WITHIN TCEQ DESIGN CRITERIA TO ACCOMMODATE EXISTING ZONES. PROVIDE NEW CONTROLLER AS LISTED IN PLAN NOTES UPON CYFAIR ISD REQUEST.
3. IF EXISTING RAIN/FREEZE SENSOR IS PRESENT & FUNCTIONAL. IF NOT, PROVIDE ONE COMPATIBLE WITH CONTROLLER.
4. WHAT MANUFACTURER IS CURRENTLY IN USE & PROVIDE SAME BRAND OF EQUIPMENT TO MODIFIED ZONES THAT MEETS NEW CYFAIR ISD ADD#1 SPECS.
5. ALL VALVES TO BE PLACED ADJACENT TO SPORT FIELD SHALL BE SET BACK 6' MINIMUM AWAY FROM EDGE OF PLAY.
6. CONTRACTOR TO SCHEDULE PRE CONSTRUCTION WALK WITH OWNER AND OWNER REPRESENTATIVE PRIOR TO CONSTRUCTION.
7. ALL HEADS ADJUSTED AROUND THE BUILDING TO BE RB 1806 SAM/PRS
8. CONTRACT TO ADD POWER CUT OFF AT CONTROLLER LOCATION.
9. ANY MODIFICATIONS MADE NEED TO BE COORDINATED WITH ISD MAINTENANCE STAFF TO ENSURE OVERALL SITE SYSTEM IS FUNCTIONAL AND ACTIVE DURING UPDATES.
10. ALL EXISTING IRRIGATION SYSTEMS TO BE DEMONSTRATED AND VIDEO DOCUMENTED PRIOR TO COMMENCEMENT OF CONSTRUCTION. PRIOR TO TRENCHING / EXCAVATION ASK OWNER FOR ASSISTANCE IN LOCATING ANY KNOWN LINES. OWNER AND CONTRACTOR SHALL DEMONSTRATE IRRIGATION SYSTEM PRIOR TO ANY WORK STARTING AND AFTER WORK IS COMPLETE.
11. ALL REPAIRS MADE TO IRRIGATION DUE TO DAMAGE DURING CONSTRUCTION ARE TO BE LEFT EXPOSED FOR ACCEPTANCE BY MAINTENANCE PRIOR TO ANY BACKFILLING.

TEMPORARY IRRIGATION NOTES

1. ALL AREAS NOT IDENTIFIED ON PLANS TO RECEIVE OVERHEAD OR DRIP IRRIGATION ARE TO RECEIVE VEGETATION AND TEMPORARY WATERING THROUGH ESTABLISHMENT.
2. CONTRACTOR MUST MAKE ALL ARRANGEMENTS & PAYMENT FOR TEMPORARY WATER, MEETING ALL REQUIREMENTS OF LOCAL JURISDICTION.
3. CONTRACTOR IS RESPONSIBLE FOR METHODS, COST, FREQUENCY, QUANTITY, AND ALL MAINTENANCE UNTIL LANDSCAPE HAS BEEN ESTABLISHED & ACCEPTED BY THE OWNER'S REPRESENTATIVE & MEETS THE REQUIREMENTS OF THE SPECIFICATIONS.
4. THE CONTRACTOR SHALL UTILIZE TEMPORARY IRRIGATION BY ANY METHOD APPROVED BY THE OWNER'S REPRESENTATIVE ON THE CONDITION THAT PLANTING ESTABLISHMENT AND ACCEPTANCE IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

IRRIGATION GENERAL NOTES

1. IRRIGATION CONTRACTOR IS RESPONSIBLE TO COORDINATE THE APPROPRIATE ZONE WIRING BACK TO THE EXISTING SYSTEM CONTROLLER, INCLUDING ANY DATA OR SYSTEM CONTROL VALVE WIRING AS REQUIRED.
2. IRRIGATION CONTRACTOR IS RESPONSIBLE TO EXAMINE THE PLANS IN THEIR ENTIRETY TO DETERMINE THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITIES. HE SHALL ALSO CONTACT THE APPROPRIATE AUTHORITY TO MARK UTILITIES ON THE SITE. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO UTILITIES ON THE SITE CAUSED BY HIS WORK.
3. CONTRACTOR SHALL EXAMINE THE DETAILS FOR ADDITIONAL REQUIREMENTS FOR THE IRRIGATION SYSTEM AND ITS INSTALLATION.
4. IRRIGATION DRAWINGS ARE SCHEMATIC IN NATURE. AT TIMES MAIN LINES, LATERALS AND VALVES MAY BE SHOWN IN PAVED AREAS OR OUTSIDE THE PROPERTY LINE FOR PLAN CLARITY PURPOSES ONLY. THE CONTRACTOR SHALL STAKE OUT IN THE FIELD ALL PRINCIPLE SYSTEM COMPONENTS FOR APPROVAL BY THE OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
5. ALL TRENCHING WITHIN DRIP LINES OF EXISTING TREES SHALL BE BY HAND TOOLS. SHOULD ROOTS OVER 3" IN DIAMETER BE ENCOUNTERED, THE CONTRACTOR MAY PROVIDE ANOTHER PIPE ROUTE IF LOCATION IS PROVIDED ON THE AS-BUILT DOCUMENTS.
6. THE CONTRACTOR SHALL DEMONSTRATE TO AN OWNER'S REPRESENTATIVE THAT THE IRRIGATION SYSTEM IS FULLY FUNCTIONAL AND RUNNING PROPERLY PRIOR TO FINAL ACCEPTANCE AND BEGINNING OF THE WARRANTY PERIOD.
7. NEW SYSTEM COMPONENTS/ ADJUSTMENTS ARE SHOWN. CONTRACTOR SHALL INCLUDE IN HIS PRICING THE FOLLOWING TASKS:
   - 7.1. FULL SITE WALK WITH OWNERS REPRESENTATIVE TO EXAMINE CONTROLLERS, P.O.C.S, WIRING, VALVES AND OTHER EXISTING COMPONENTS.
   - 7.2. PRODUCE A SHOP DRAWING SUBMITTAL TO SHOW ANY DEVIATIONS PROPOSED FOR THE PROPOSED SYSTEM ADAPTATION.
   - 7.3. PRODUCE AN AS-BUILT FILE MARK UP, LAMINATED AT 24"x36" OF THE NEW COMPONENTS AND WHAT WAS LEARNED IN 9.1. CONTRACTOR TO PROVIDE MULTIPLE COPIES PER CYFAIR ISD SPEC STANDARD UNDER FINAL ACCEPTANCE / WALK.

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PROPOSAL

REGISTERED LANDSCAPE ARCHITECT BRADLEY B. BENNETT 3678 STATE OF TEXAS

02/06/2025

ISSUED: JANUARY 20, 2025

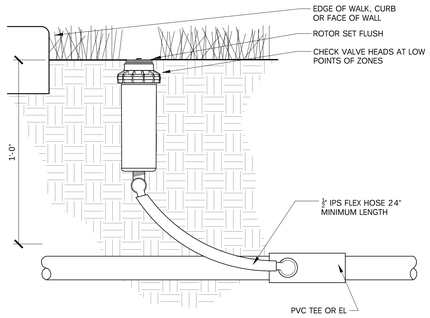
Revision No.
Addendum No.2 02/06/2025

Director	Drawn By
Designer BBB	Quality Control BBB
Proj. Arch. PA	

23-148.00

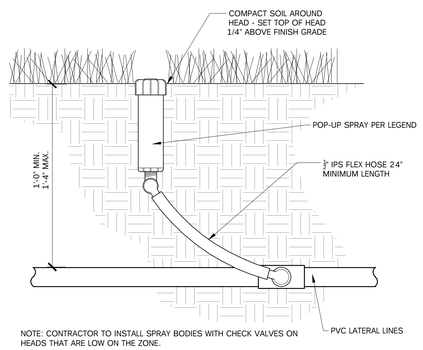
CY-CREEK OVERALL IRRIGATION PLAN

L4.00



1 ROTOR HEAD

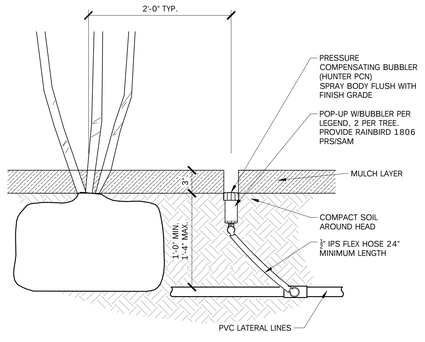
3" = 1'-0"



NOTE: CONTRACTOR TO INSTALL SPRAY BODIES WITH CHECK VALVES ON HEADS THAT ARE LOW ON THE ZONE.

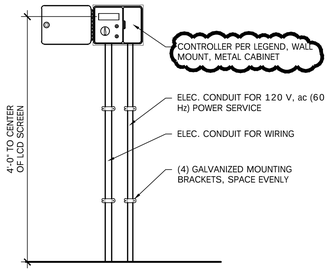
2 SPRAY HEAD

3" = 1'-0"



3 BUBBLER HEAD

1 1/2" = 1'-0"



4 IRRIGATION CONTROLLER - WALL MOUNT

1" = 1'-0"

5 AUTOMATIC SYSTEM VALVE WITH DECODER

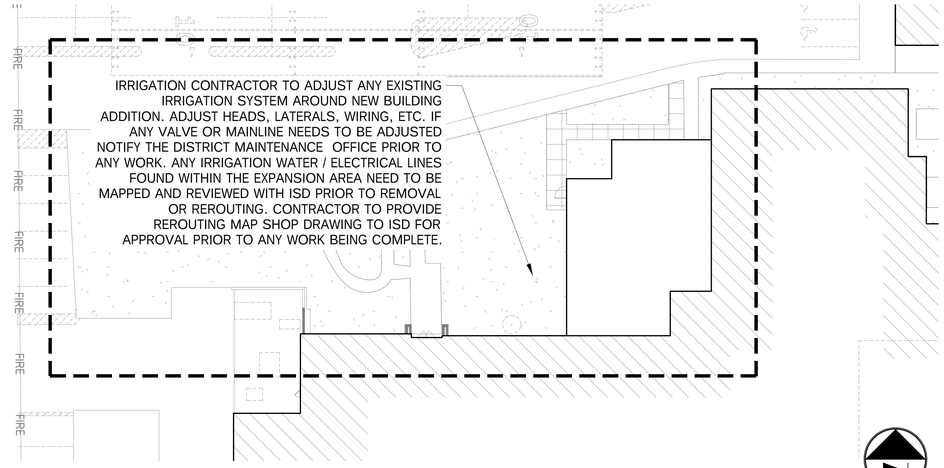
1 1/2" = 1'-0"

NOTE: CONTRACT TO VERIFY EXISTING IRRIGATION SYSTEM VALVES. REFERENCE THESE TWO DETAILS FOR IN THE FIELD USE. CONTRACTOR TO COORDINATE WITH ISD AND MATCH EXISTING VALVE TYPE.

6 AUTOMATIC SYSTEM VALVE

1 1/2" = 1'-0"

NOTE: CONTRACT TO VERIFY EXISTING IRRIGATION SYSTEM VALVES. REFERENCE THESE TWO DETAILS FOR IN THE FIELD USE. CONTRACTOR TO COORDINATE WITH ISD AND MATCH EXISTING VALVE TYPE.



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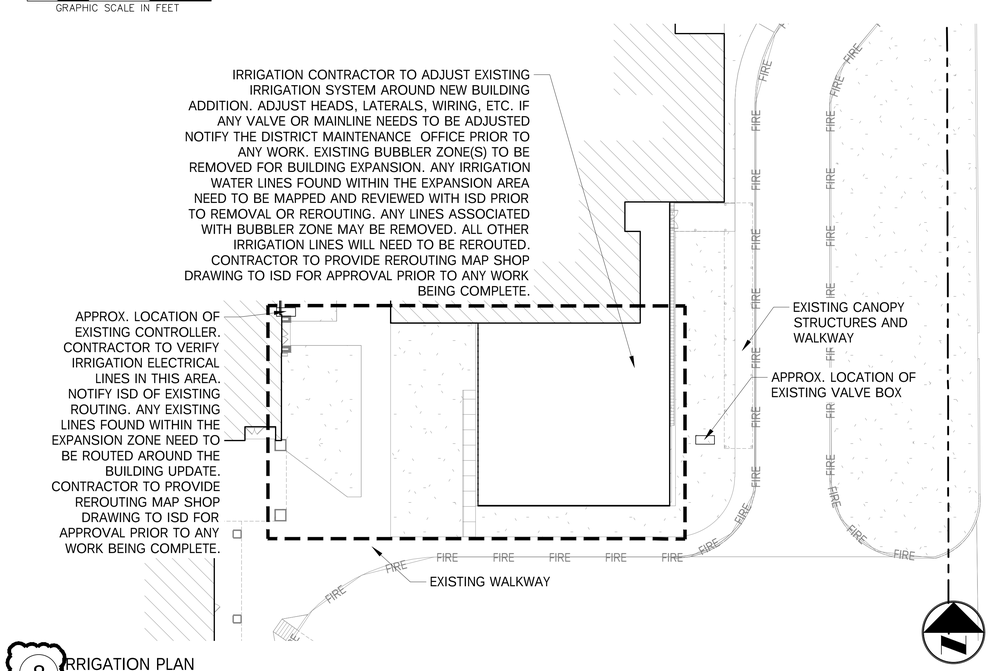
7 IRRIGATION PLAN

1" = 20'-0"

0 20 40 60

GRAPHIC SCALE IN FEET



1

8 IRRIGATION PLAN

1" = 20'-0"

0 10 20 40 60

GRAPHIC SCALE IN FEET

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PROPOSAL

REGISTERED LANDSCAPE ARCHITECT BRIAN E. B. BENNETT 3679 STATE OF TEXAS

02/06/2025

ISSUED: JANUARY 20, 2025

Revision No.

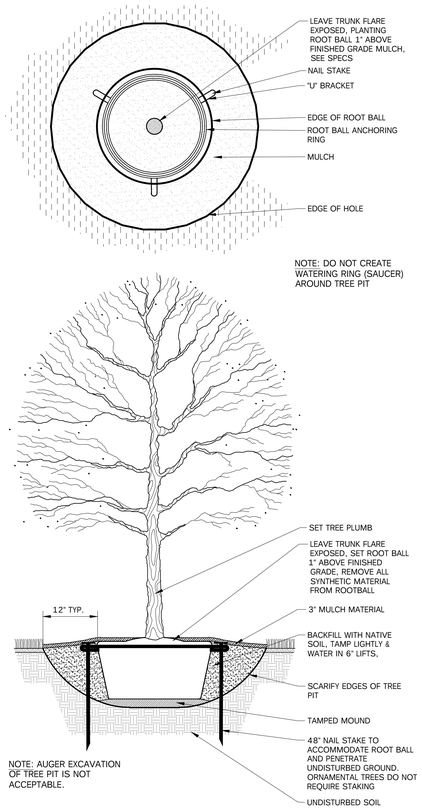
⚠1 Addendum No.2 02/06/2025

Director	Drawn By
Designer BBB	Quality Control BBB
Proj. Arch. PA	

23-148.00

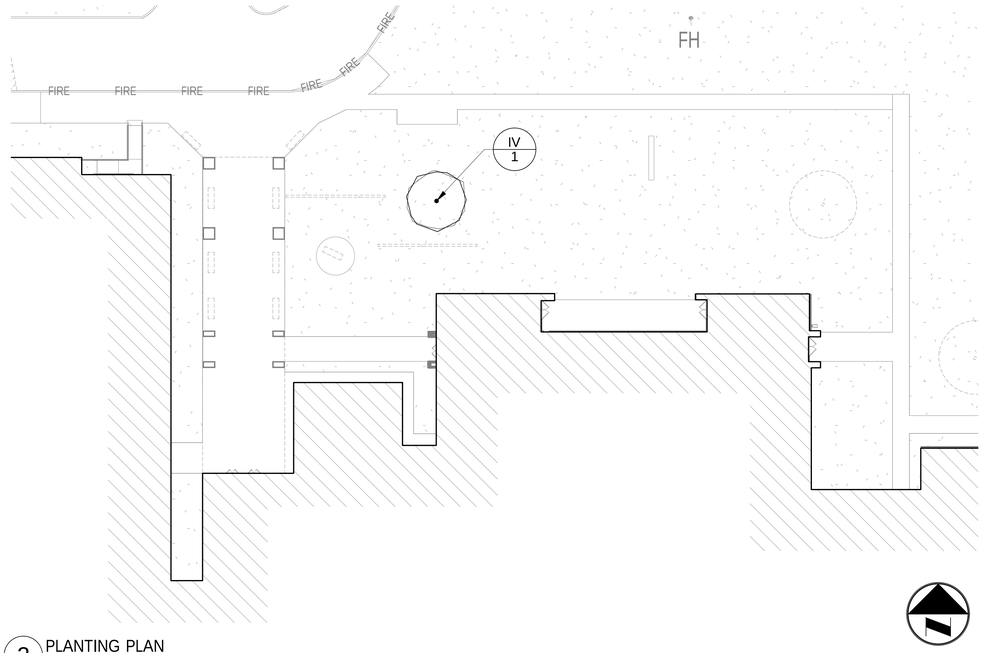
CY-CREEK IRRIGATION PLAN

L4.01



1 CANOPY TREE W/ UNDERGROUND STAKES

3/4" = 1'-0"



2 PLANTING PLAN

1" = 20'-0"

0 10 20 40 60

GRAPHIC SCALE IN FEET

PLANTING GENERAL NOTES

1. ALL PLANTS SHALL BE SET OUT FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
2. FINE GRADING SHALL BE PERFORMED IN ALL AREAS TO BE LANDSCAPED. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC. FROM THE SITE AND INSURE POSITIVE DRAINAGE IN ALL AREAS.
3. THE CONTRACTOR SHALL LOCATE ALL UTILITIES AND EASEMENTS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES DURING THE COURSE OF CONSTRUCTION.
4. WRITTEN DIMENSIONS SHALL GOVERN OVER SCALED DIMENSIONS.
5. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS ASSOCIATED WITH THE LANDSCAPE AND ACCESSORIES.
6. ALL PLANT MATERIALS SHALL MEET ANSI Z60.1 STANDARDS FOR CALIPER, HEIGHT AND ROOT BALL SIZE. ANY MATERIALS THAT DO NOT MEET OR EXCEED SUCH STANDARDS SHALL BE REJECTED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
7. QUANTITIES ARE SHOWN FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE/COND.	REMARKS
TREES					
•	IV	1	ILEX VOMITORIA YAUPON HOLLY	200 GAL	STRAIGHT LEADERS, VERTICAL IN NATURE, CONTRACTOR TO PRICE TREE IN 200 GAL AND 100 GAL SIZE, CONTRACTOR TO COORDINATE WITH ISD ON EXACT PLACEMENT OF TREE, CONTRACTOR TO COORDINATE WITH ISD ON PLACEMENT OF DEDICATION PLAQUE AFTER PLANTING

PLANT SYMBOL LEGEND

XX / XX — PLANT TYPE / # OF PLANTS

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PROPOSAL

BRADLEY B. BENNETT 3678 REGISTERED LANDSCAPE ARCHITECT STATE OF TEXAS

02/06/2025

ISSUED: JANUARY 20, 2025

Revision No.

1 Addendum No.2 02/06/2025

Director
Drawn By
Designer BBB
Quality Control BBB
Proj. Arch. PA

23-148.00

CY-CREEK PLANTING PLAN

L4.02 1

SITE PLAN NOTES

1. Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
2. To prevent damage to existing trees and shrubs in proximity to the Work, provide and maintain protective barriers around those items in accordance with the specified procedures, or in the absence of those procedures, with recognized landscaping and horticultural practices.
3. Contractor shall protect all areas of construction not scheduled for new work.

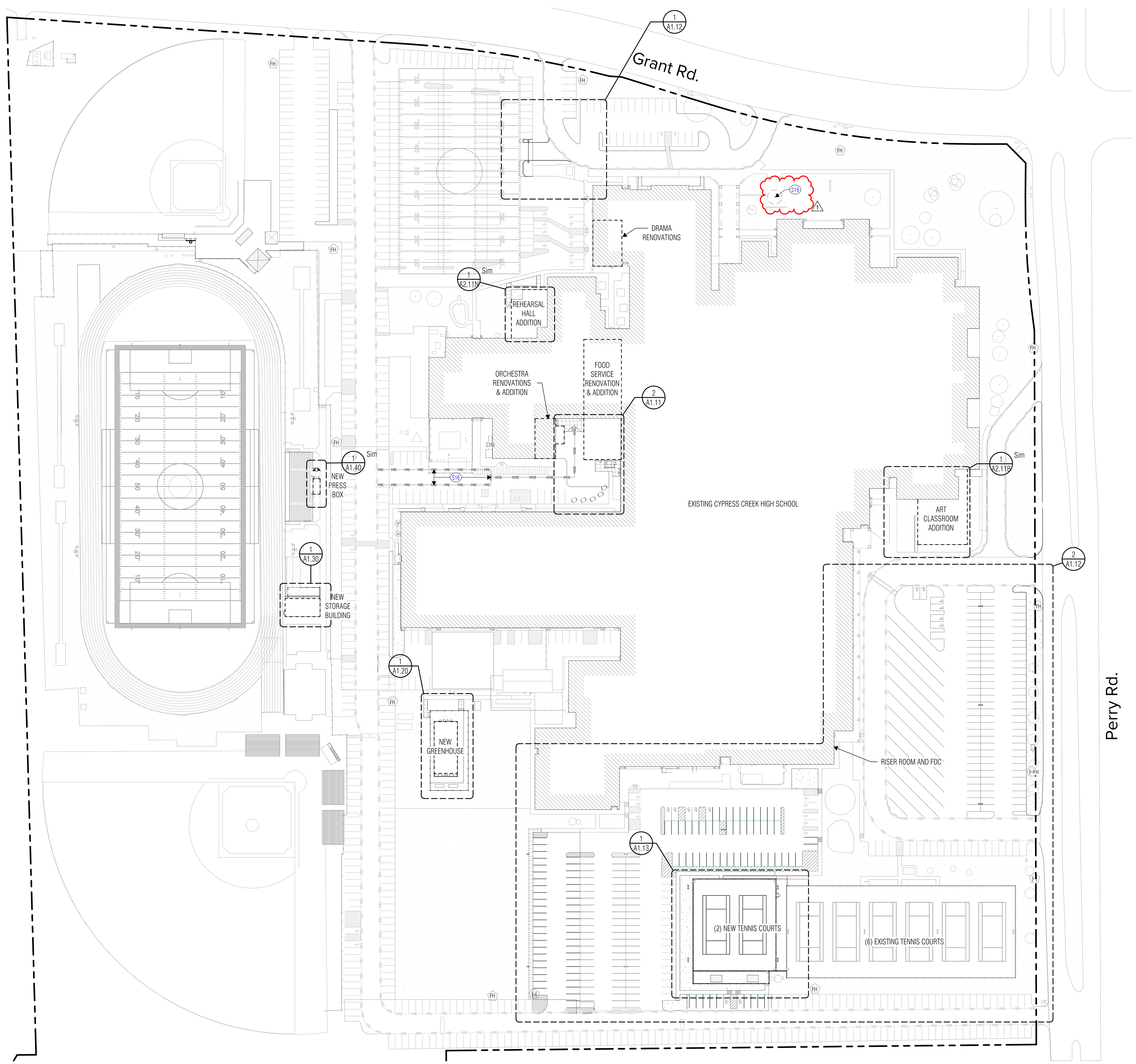
SITE PLAN LEGEND

Symbol	Description
FIRE / FIRE	FIRE LANE (PER CITY STANDARDS) ALL ARE EXISTING U.N.O.
	CHAIN LINK FENCE
	EXISTING CHAIN LINK FENCE
	DEMO CHAIN LINK FENCE
0	PARKING STALL COUNT
	EXTENTS PAVING OF DEMOLITION
FH	FIRE HYDRANT - EXISTING

KEYED NOTES

M10	RELOCATED DUMPSTER AS SHOWN. COORDINATE FINAL LOCATION WITH DISTRICT REP.
S4	NEW SIDE WALK. REF: CIVIL
S7	NEW PAVING. REF: CIVIL DWGS.
S8	NEW 6'H CHAINLINK FENCE TO MATCH EXISTING. REFER TO SITE DETAILS FOR MORE INFORMATION.
S16	NEW FIRE LANE STRIPING (PER CITY STANDARDS)
S18	NEW BOLLARDS. REF: CIVIL
S19	PLANT NEW TREE. INSTALL SALVAGE MEMORIAL PLAQUES AT TREE. REF: LANDSCAPING DWGS.

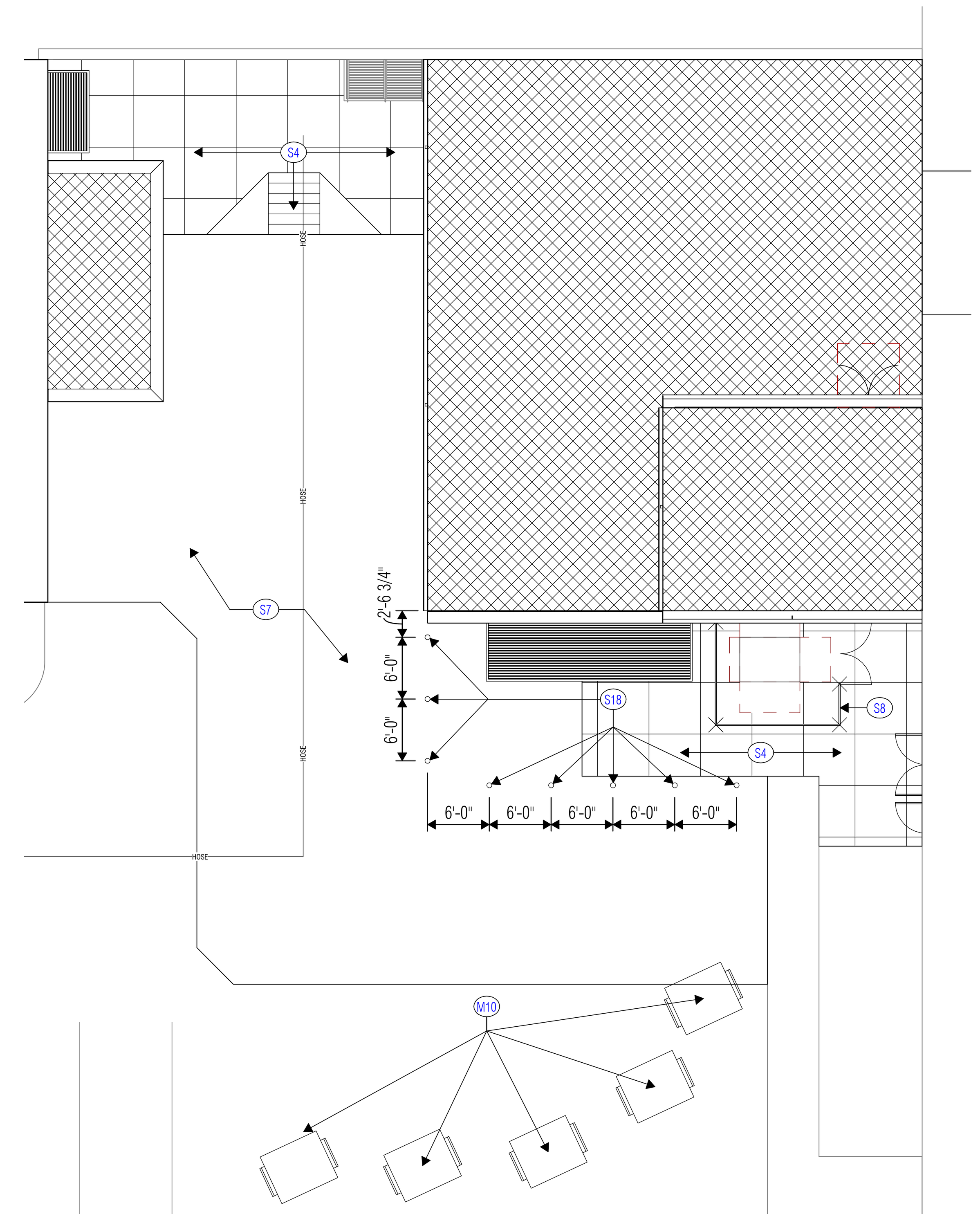
1



N

TRUE NORTH

1 OVERALL SITE PLAN
SCALE: 1" = 60'-0"



2 ENLARGED SITE PLAN - FOOD SERVERY
SCALE: 1" = 10'-0"

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

REGISTERED ARCHITECT · STATE OF TEXAS

02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

PROJECT NO.

23-148.00

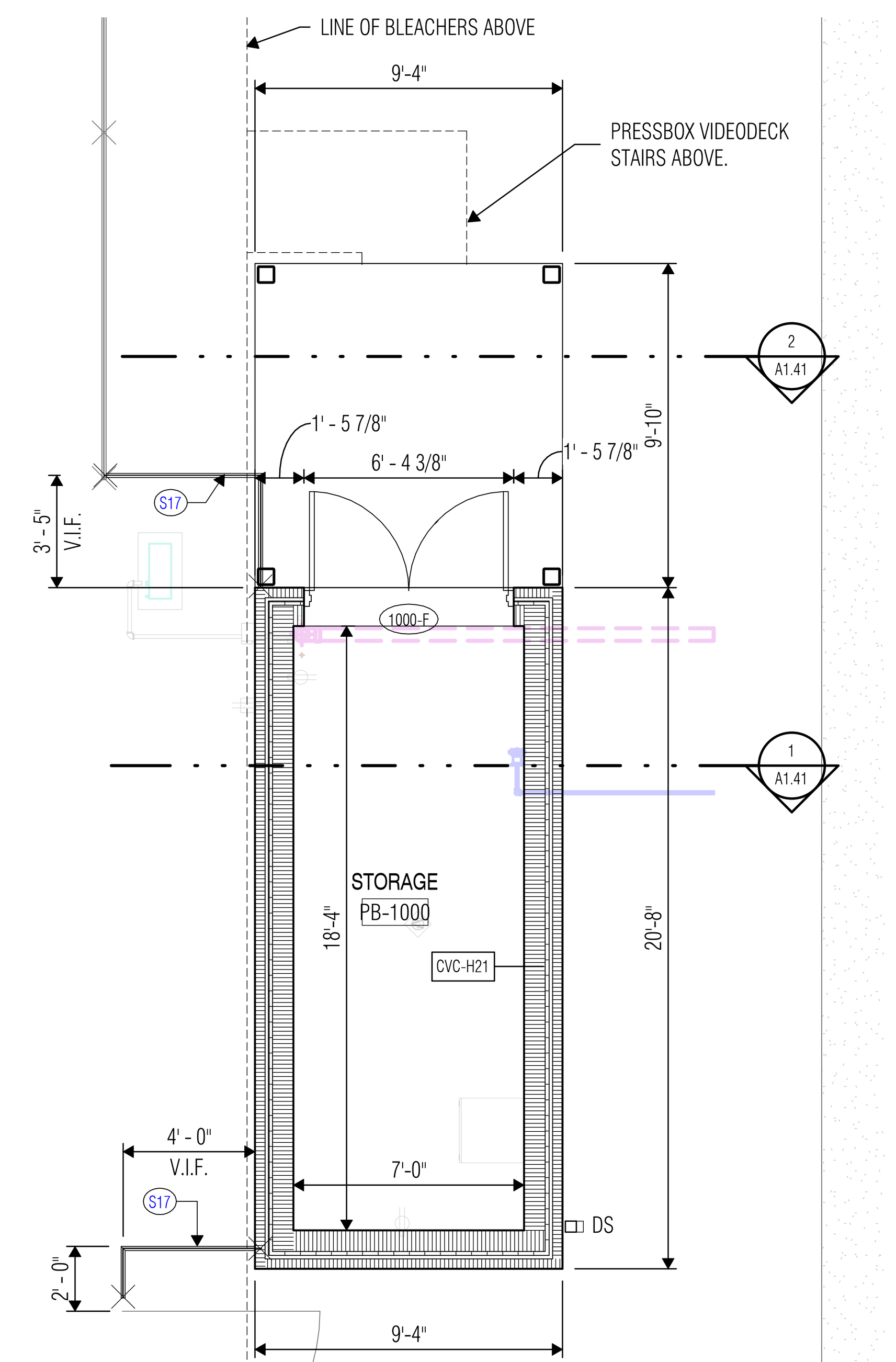
SHEET TITLE

OVERALL SITE PLAN

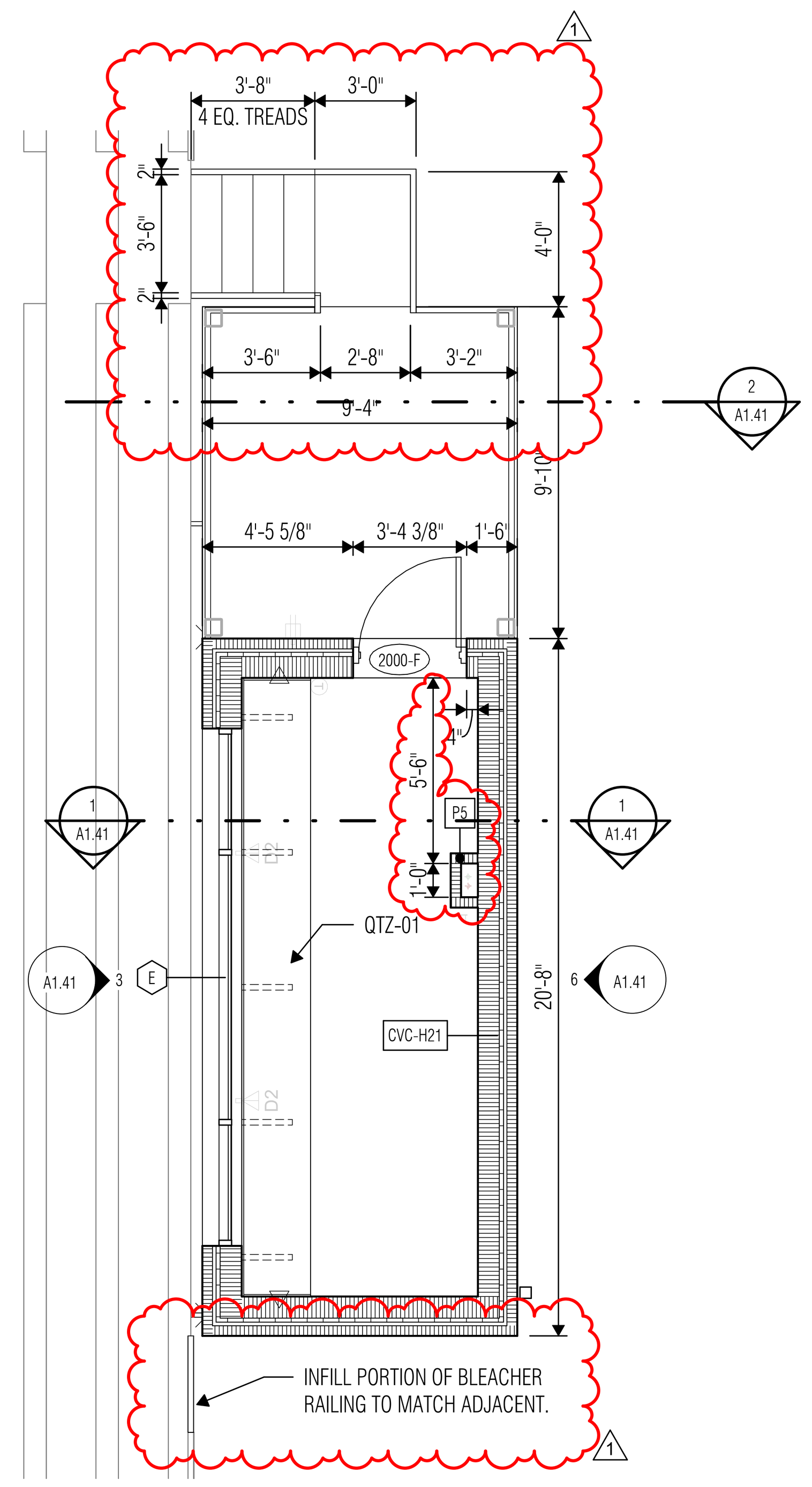
SHEET NO.

A1.11

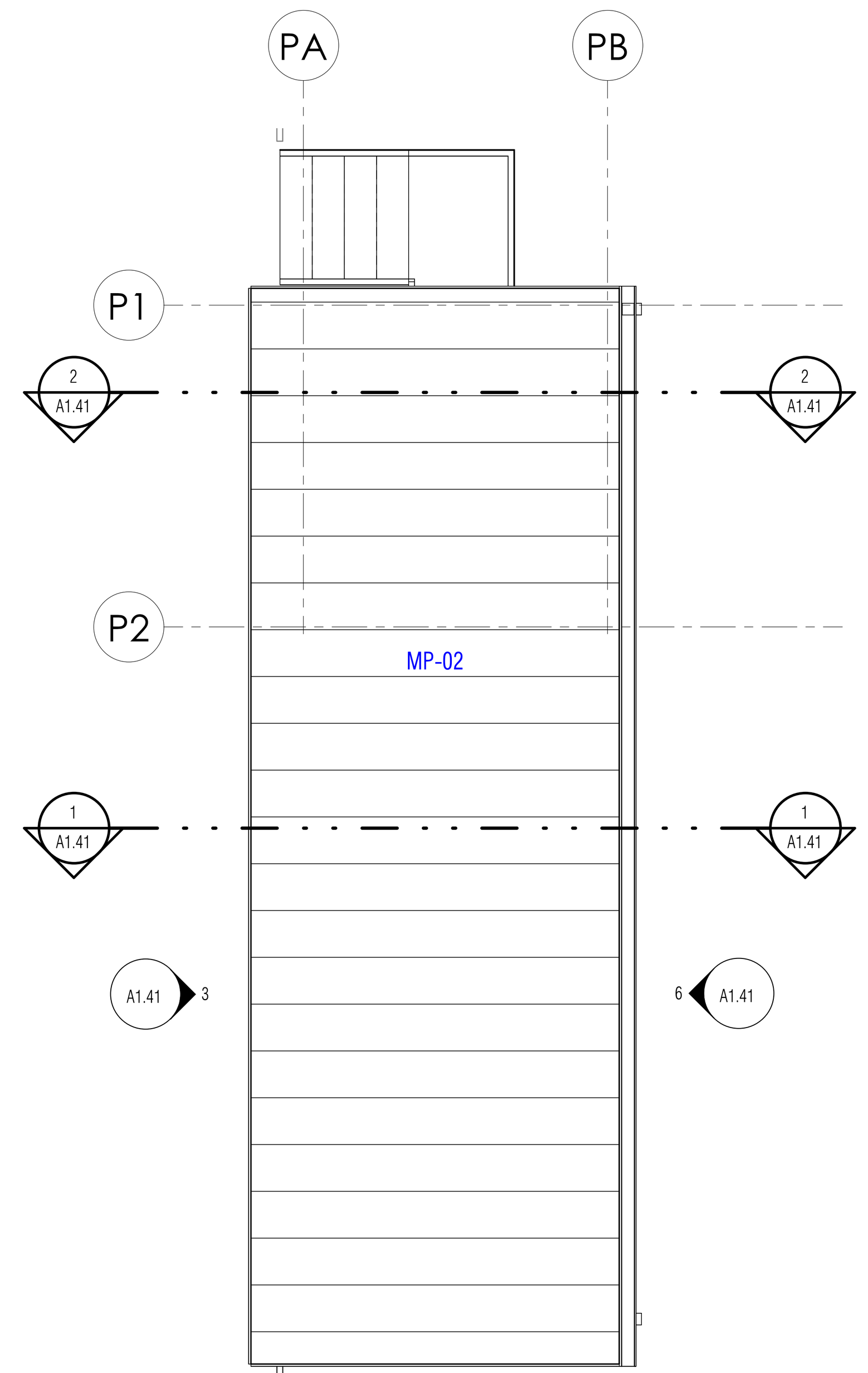
2024 Cy-Creek HS Renovation



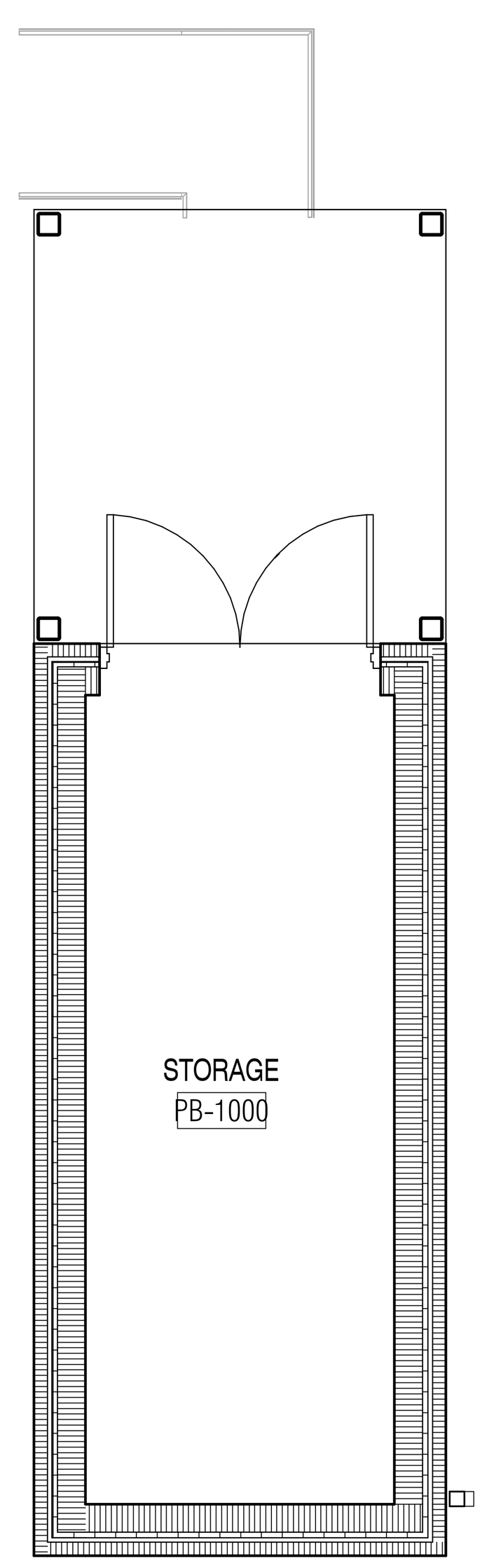
1 LEVEL ONE - PRESSBOX
SCALE: 1/4" = 1'-0"



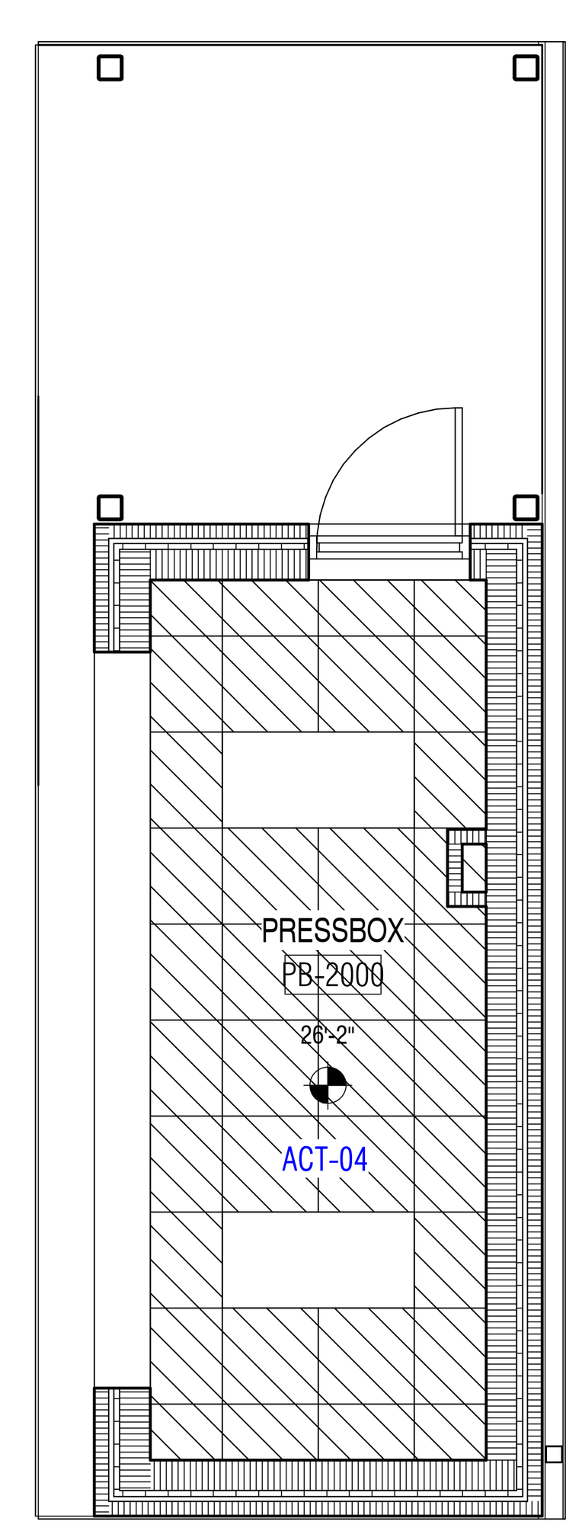
2 LEVEL TWO - PRESSBOX
SCALE: 1/4" = 1'-0"



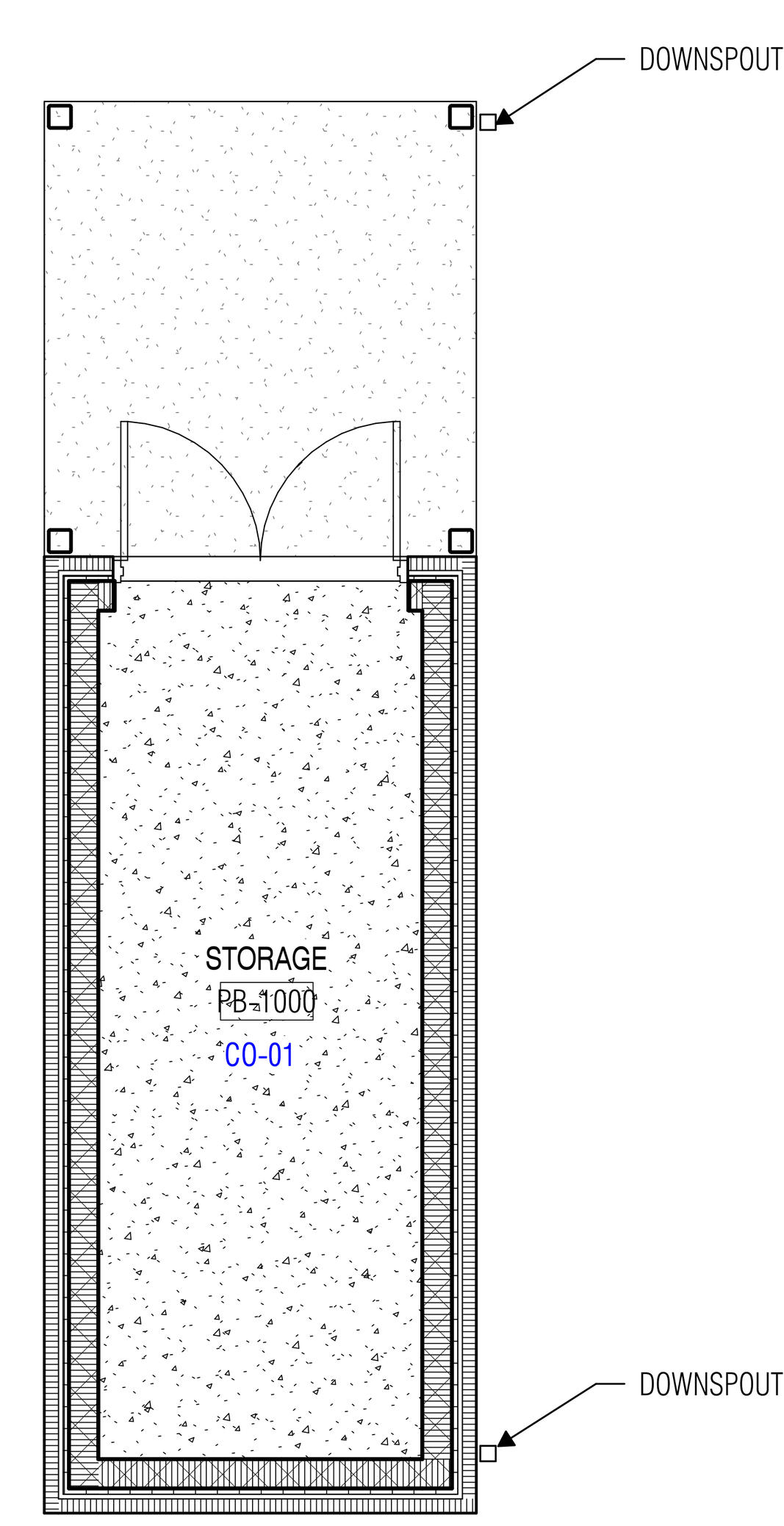
3 PRESS BOX - ROOF PLAN
SCALE: 1/4" = 1'-0"



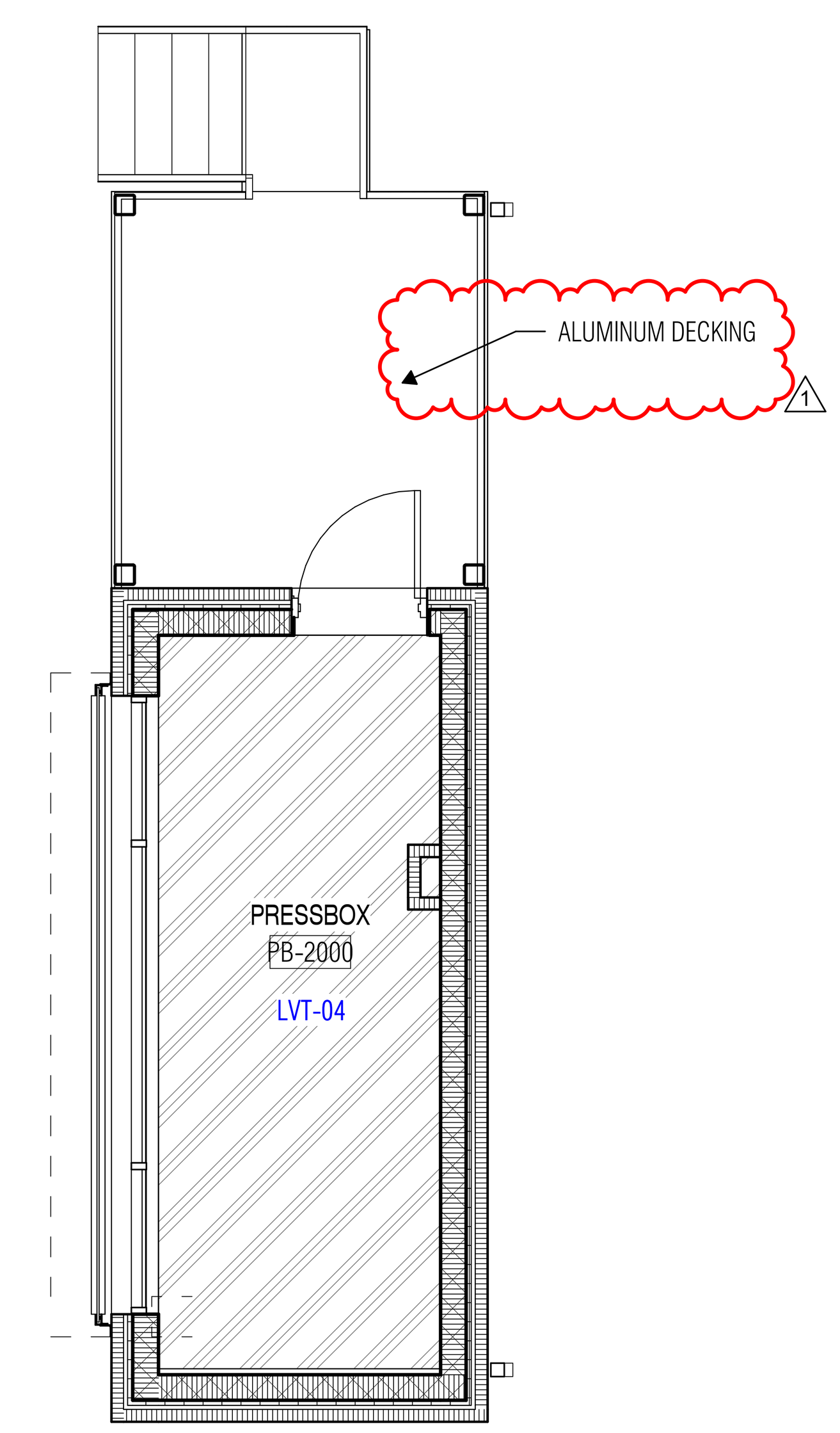
4 RCP - LEVEL ONE
SCALE: 1/4" = 1'-0"



5 RCP - LEVEL TWO
SCALE: 1/4" = 1'-0"



6 FINISH FLOOR PLAN - LEVEL ONE - PRESSBOX
SCALE: 1/4" = 1'-0"



7 FINISH FLOOR PLAN - LEVEL TWO - PRESSBOX
SCALE: 1/4" = 1'-0"

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 128.53' to 128.87' (Mean Sea Level), which equals to 100'-0" datum. Ref. Civil grading plans.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections.
   A. Refer to the A4.01 series sheets for Wall Sections, and to Sheet A4.20 and A4.21 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to Sheet A4.10 for Partition Types.
7. Interior partitions are Type "P7" unless noted otherwise.
8. Refer to Detail CODE 4.0 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to Sheet A4.10 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to Sheet A4.10 for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide [4"] starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
16. Provide sealant and/or fire safing at all floor penetrations, as applicable
17. Contractor to provide video documention of existing conditions prior to demolition. Provide files to architect and owner.

FLOOR PLAN LEGEND

METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

LKA-4 — LOCKER TYPE
For locker types, Ref:
LOCKER QUANTITY 18 / A8.01

FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD. Preceding number is length, in feet.
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
DS	DOWNSPOUT

REFLECTED CEILING PLAN LEGEND

ACT-01a	NEW ACOUSTIC LAY-IN CEILING TILE IN EXISTING GRID 24" X 24"
ACT-01b	NEW ACOUSTIC LAY-IN CEILING TILE AND NEW GRID 24" X 24"
ACT-02a	ACOUSTIC LAY-IN CEILING TILE, CORRIDOR AND EXISTING GRID 24" X 24"
ACT-02b	ACOUSTIC LAY-IN CEILING TILE, CORRIDOR AND NEW GRID 24" X 24"
ACT-03a	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND EXISTING GRID 24" X 24"
ACT-03b	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND NEW GRID 24" X 24"
ACT-04	VINYL COATED ACOUSTIC LAY-IN CEILING TILE ANG GRID 24" X 24"
PT-##	GYPSUM BOARD CEILING PAINTED. REFER TO A9.01 FINISH SHEDULE FOR ADD'L INFO.
EXPO	EXPOSED TO STRUCTURE ABOVE. PAINT TO MATCH PT-07
ACP	EXISTING PYRAMID CEILING DIFFUSER PANELS (4' x 4')
ACP	NEW PYRAMID CEILING DIFFUSER PANELS (4' x 4')
	LIGHT FIXTURES. Refer to Electrical Drawings.
	SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.
P-C	CEILING MOUNTED PROJECTOR
M-C	CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR	1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
2HR	2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
SMK	SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.
SND	ACOUSTICAL DRYWALL PARTITION / SOUND-CONDITIONED CMU PARTITION. Extend partition to deck above and seal with acoustical sealant. Seal all joints and penetrations with acoustical sealant. Brace partitions per Floor Plan General Notes.
PTD	NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

KEYED NOTES

S17 NEW 8'H CHAINLINK FENCE TO MATCH EXISTING. REF: SITE DETAILS.

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

2024 Cy-Creek HS Renovation

REGISTERED ARCHITECT — STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

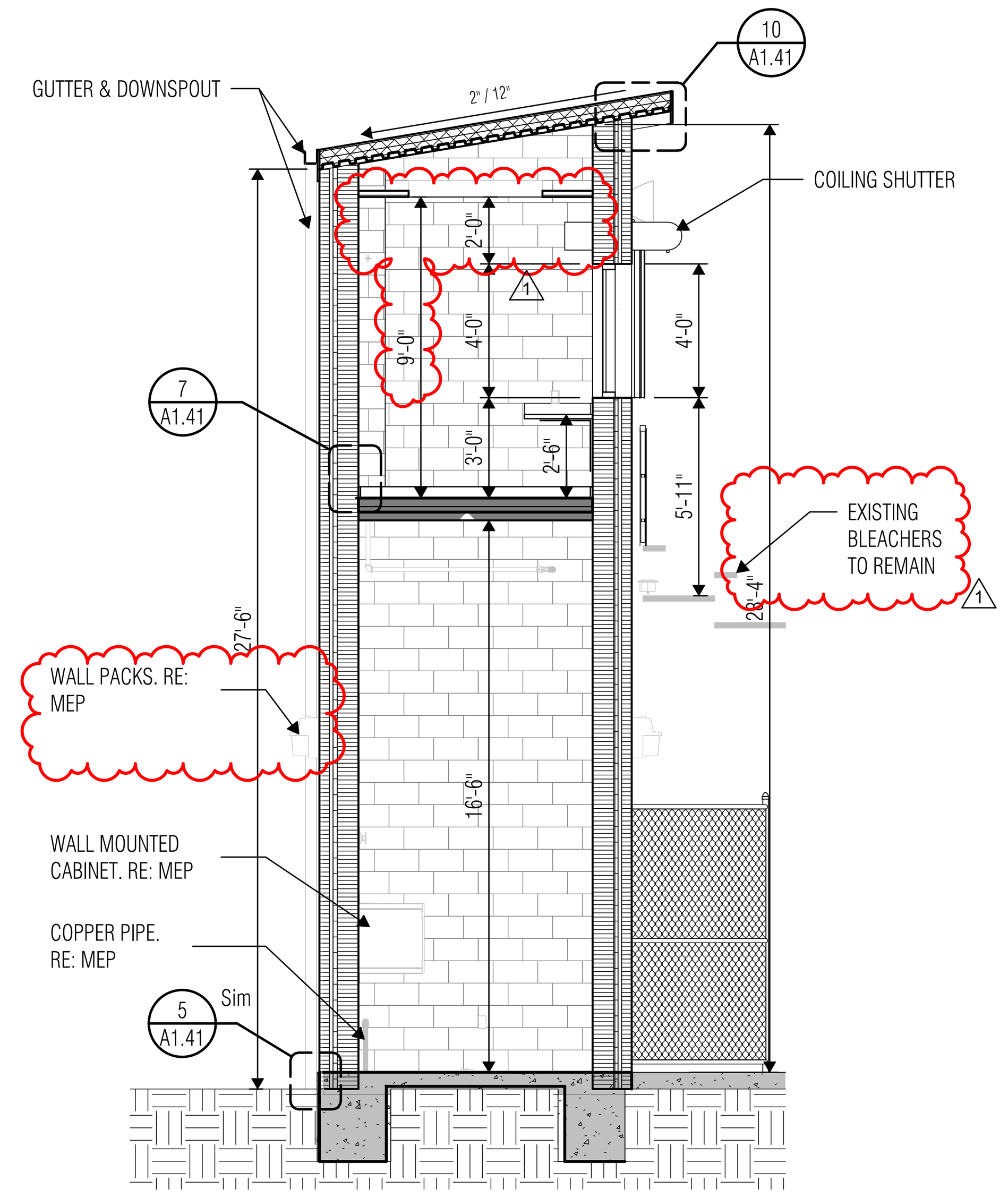
Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

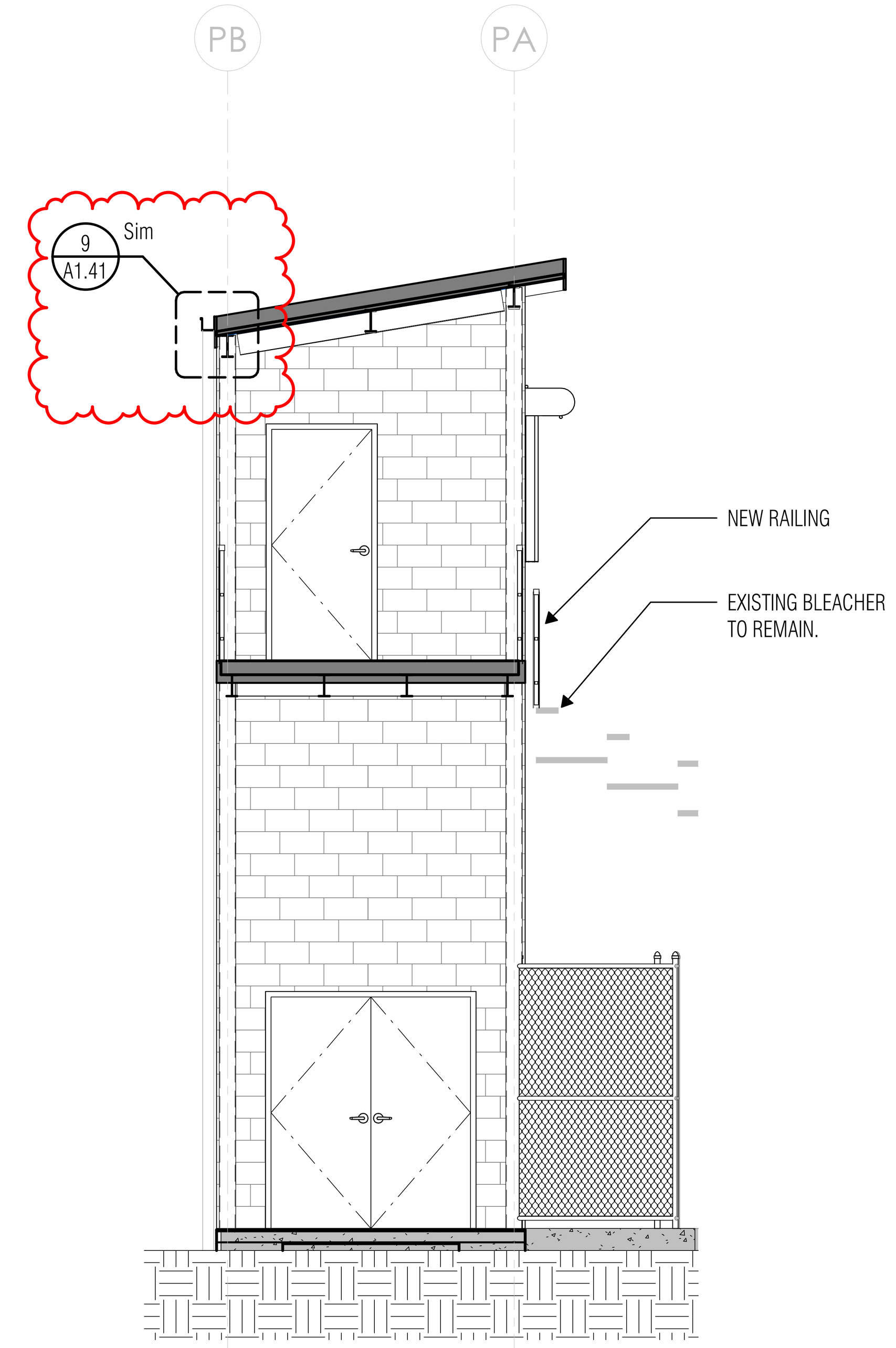
PROJECT NO.
23-148.00

SHEET TITLE
PRESS BOX - FLOOR PLANS, RCP, AND FINISH PLAN

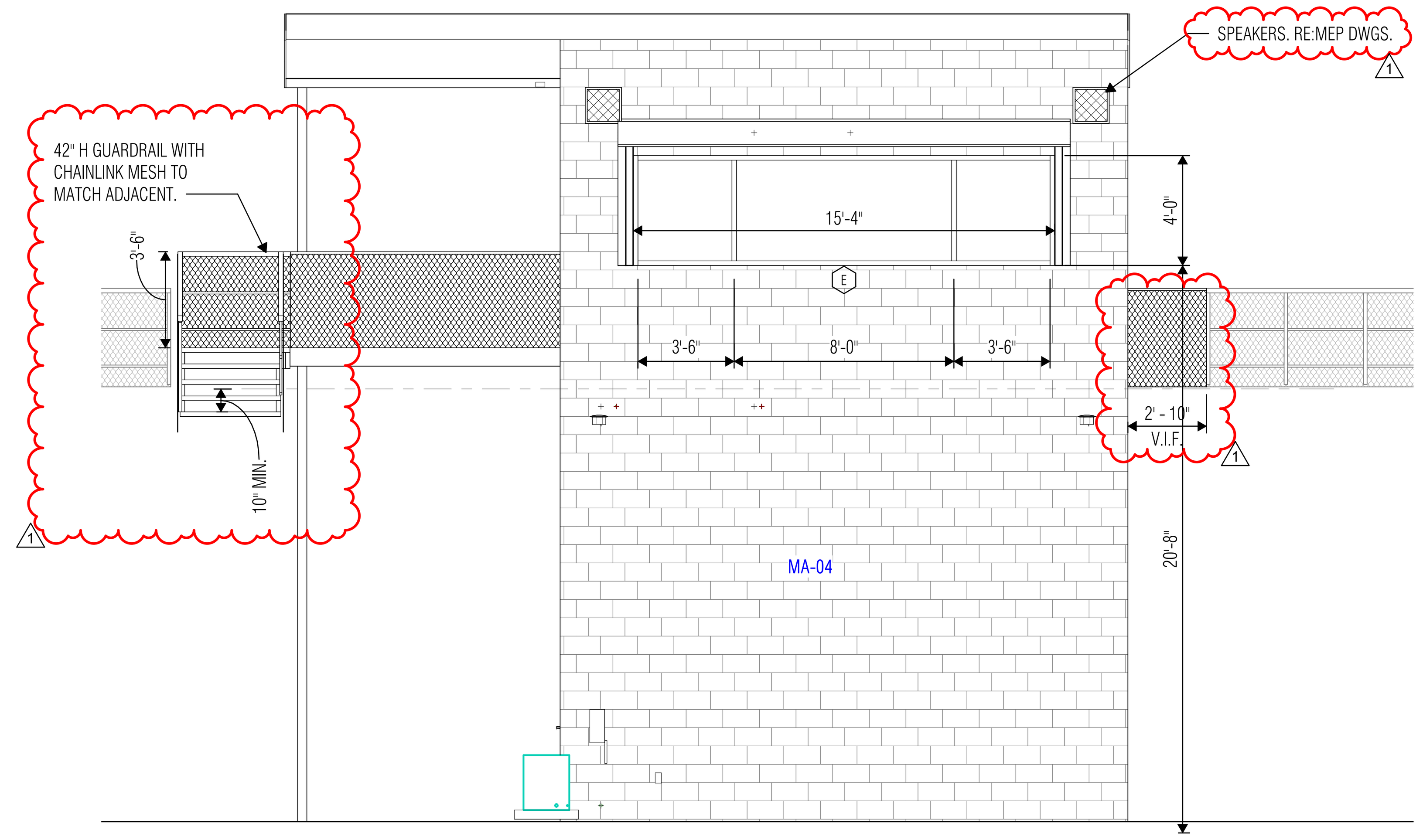
SHEET NO.
A1.40



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



2 PRESS BOX VIDEO DECK
SCALE: 1/4" = 1'-0"



3 PRESS BOX WEST ELEVATION
SCALE: 1/4" = 1'-0"

INTERIOR FINISH LEGEND

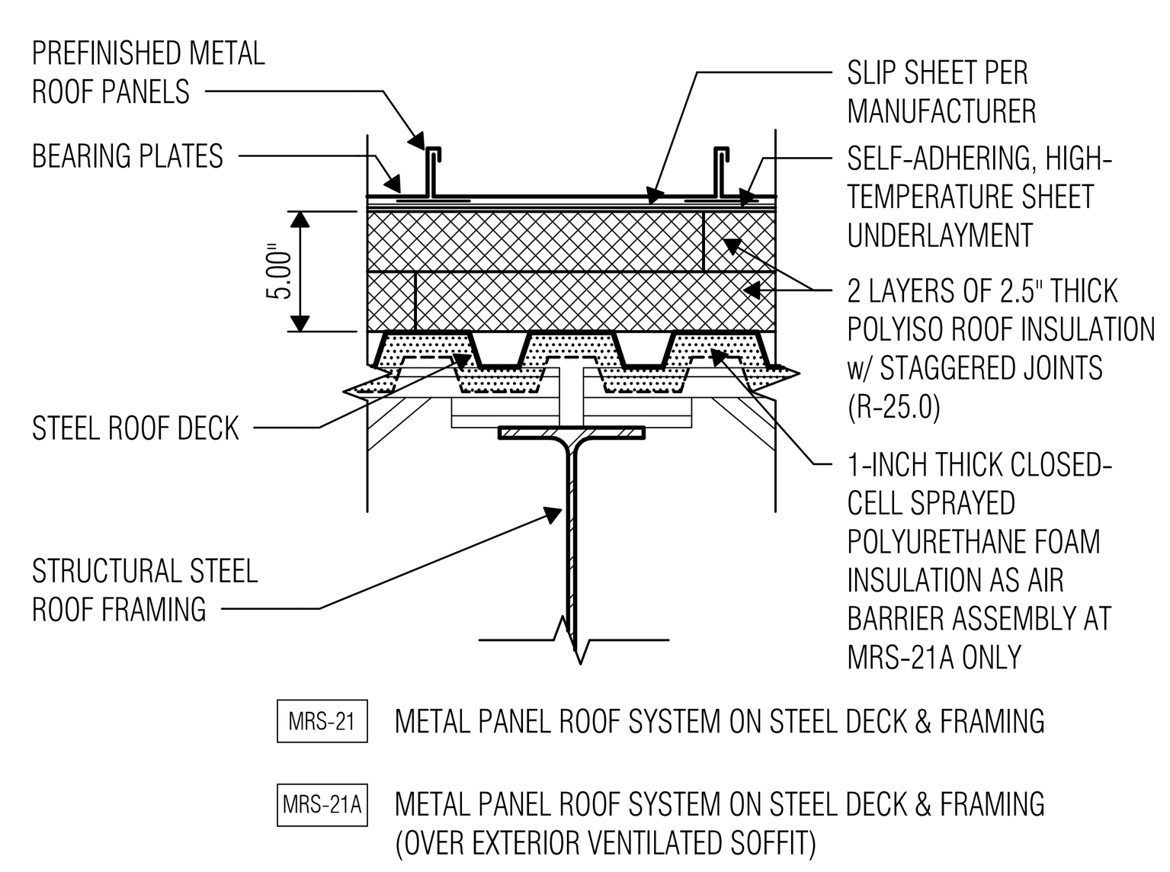
CO-01	CONCRETE, SEALED
CO-02	CONCRETE, POLISHED
CPT-01	CARPET - FIELD [ROLL]
LVT-01	LUXURY VINYL TILE - FIELD [18"X18"]
LVT-02	LUXURY VINYL TILE - ACCENT [18"X18"]
LVT-03	LUXURY VINYL TILE - ACCENT [18"X18"]
LVT-04	LUXURY VINYL TILE
RF-01	RESILIENT FLOOR ACCENT [TILE]
T-01	PORCELAIN TILE - FIELD [12"X24"]
T-02	PORCELAIN TILE - CORRIDOR [12"X12"]
T-05	PORCELAIN TILE - CORRIDOR [12"X12"]
T-06	QUARRY TILE [6"X6"]
T-07	PORCELAIN TILE - SHOWER [2"X2"]

WALL FINISH LEGEND

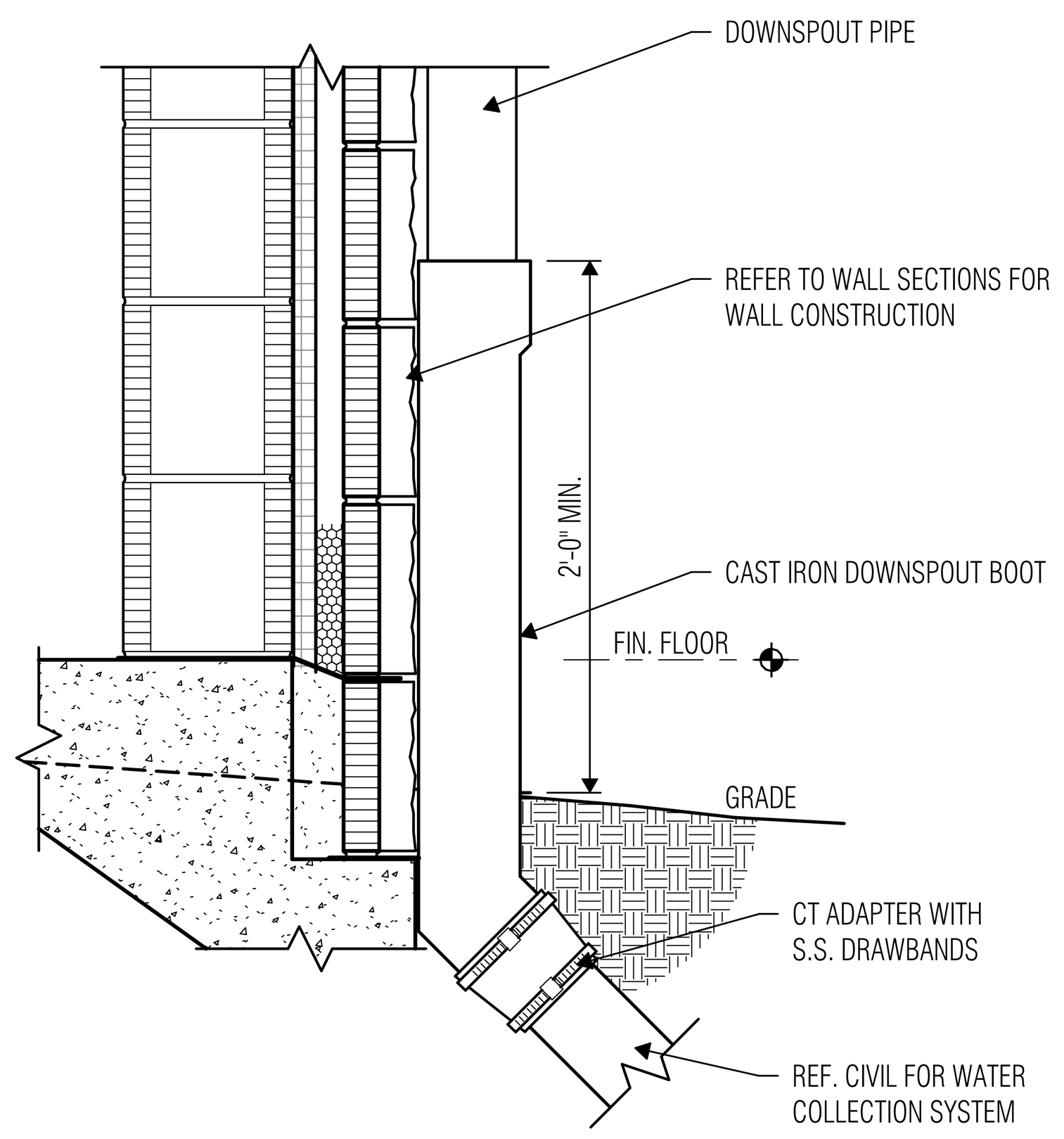
- WAINSCOT PAINT HEIGHT 01
- WAINSCOT PAINT HEIGHT 02
- WTP-02

NOTE: REFER TO INTERIOR ELEVATION DETAILS SHEET FOR WALL PATTERN DETAILS.

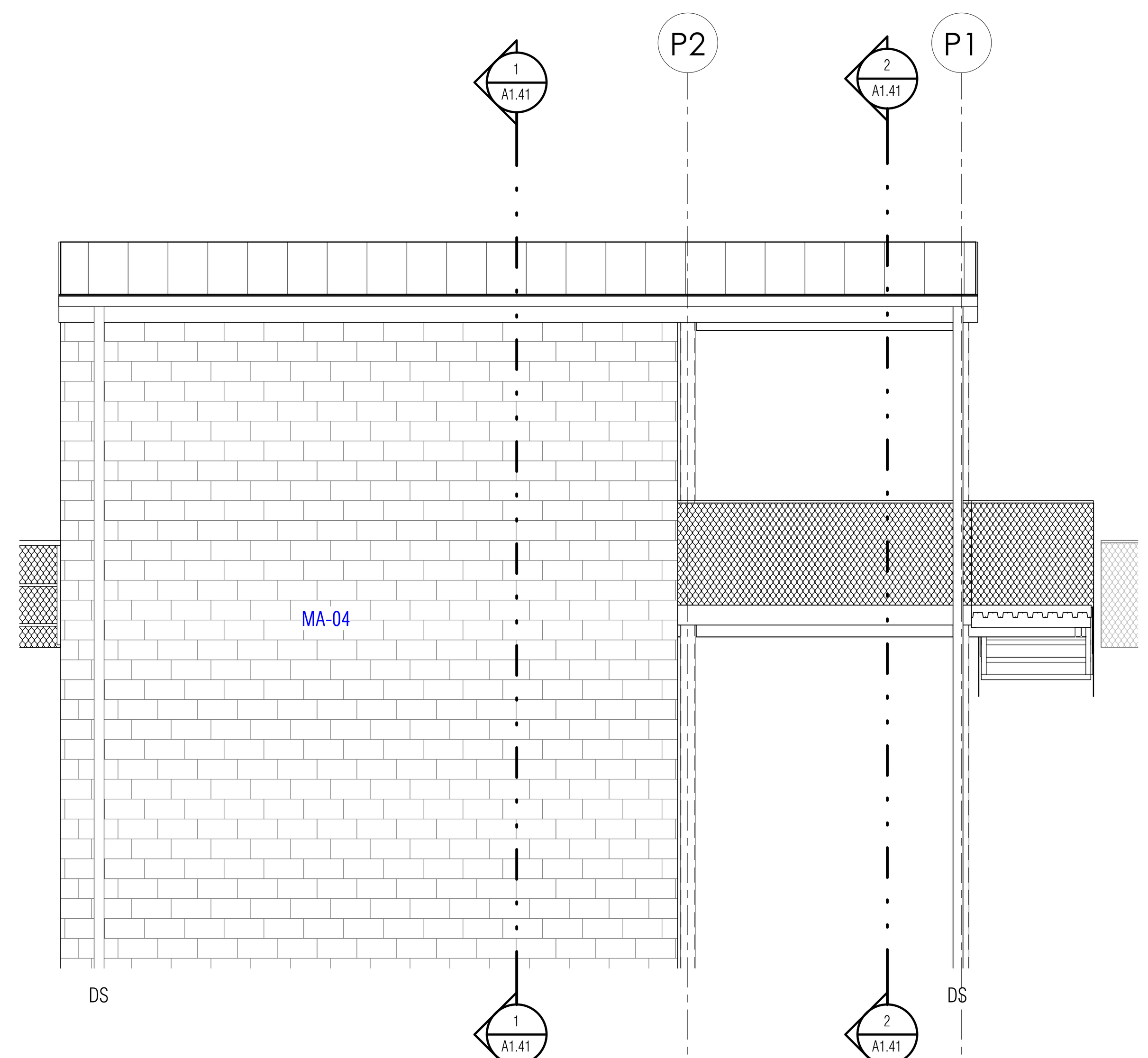
NOTE: PRINT A9 SERIES IN COLOR.



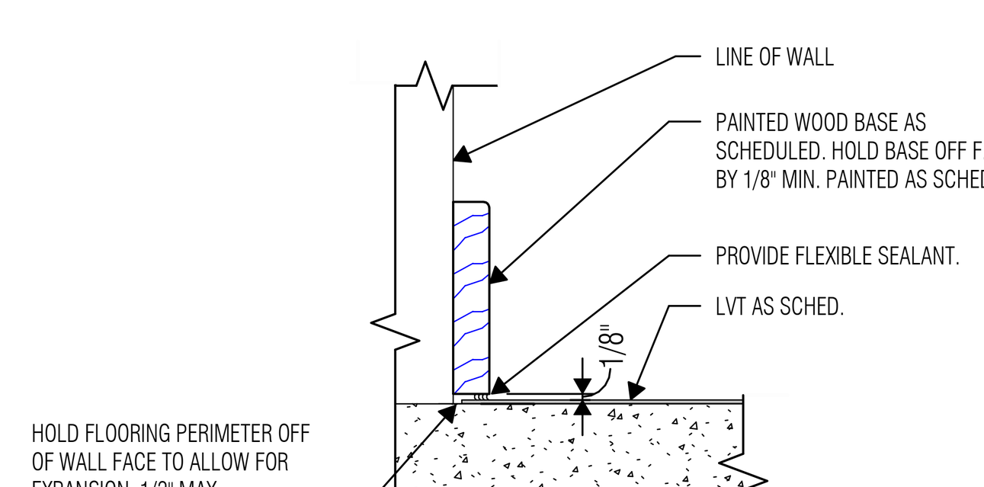
4 PRESSBOX ROOF
SCALE: 1 1/2" = 1'-0"



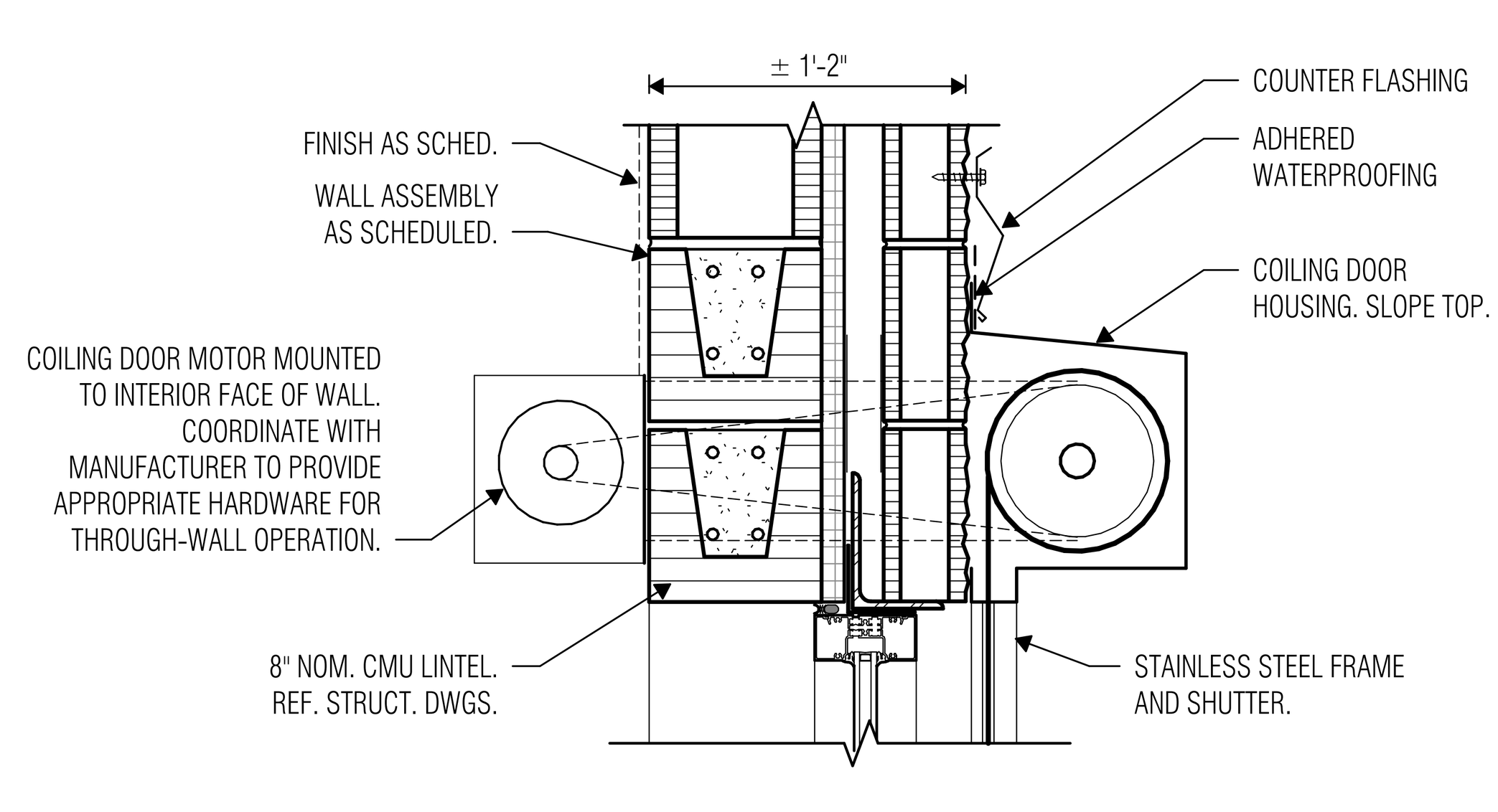
5 DOWNSPOUT BOOT
SCALE: 1 1/2" = 1'-0"



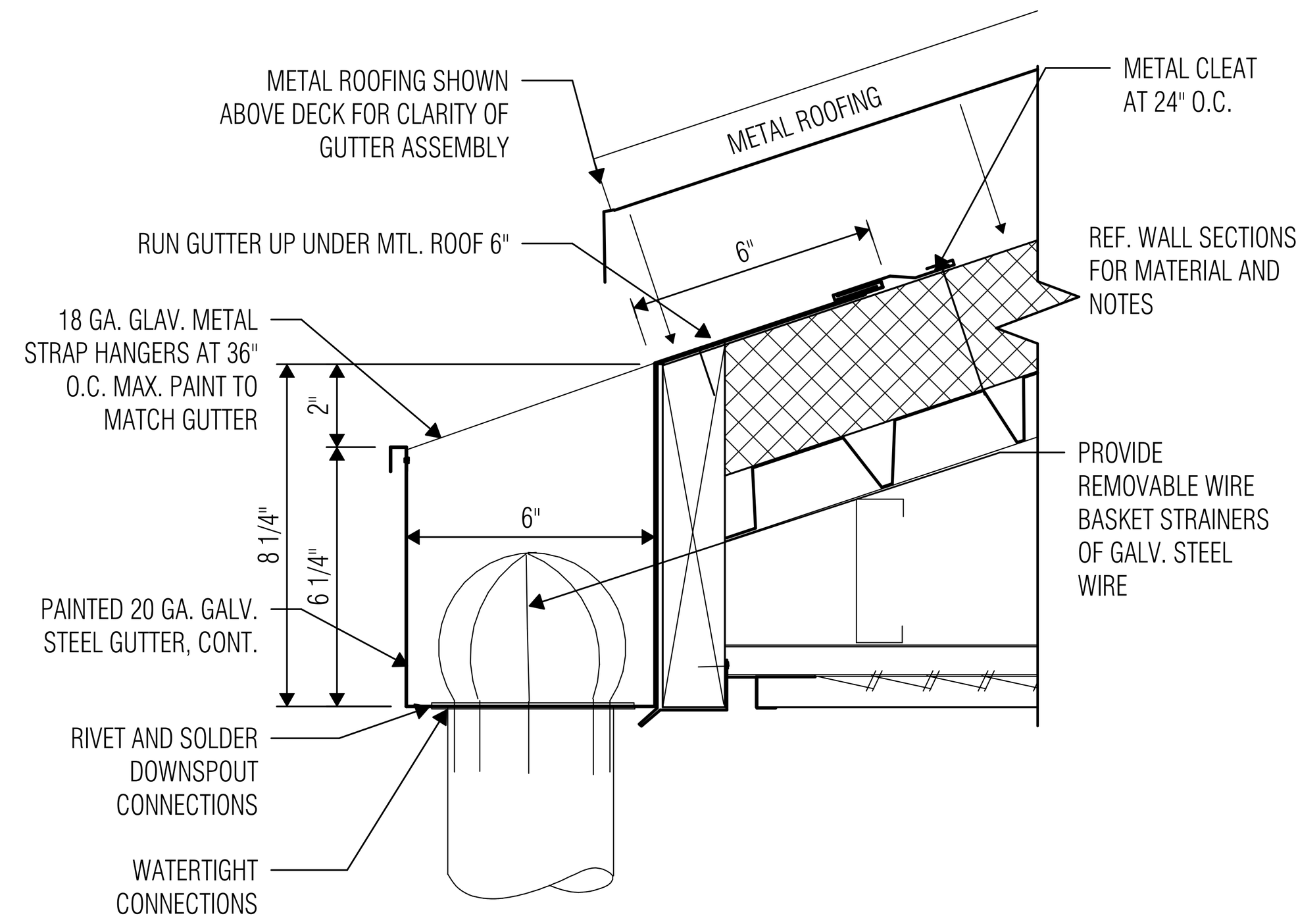
6 PRESS BOX EAST ELEVATION
SCALE: 1/4" = 1'-0"



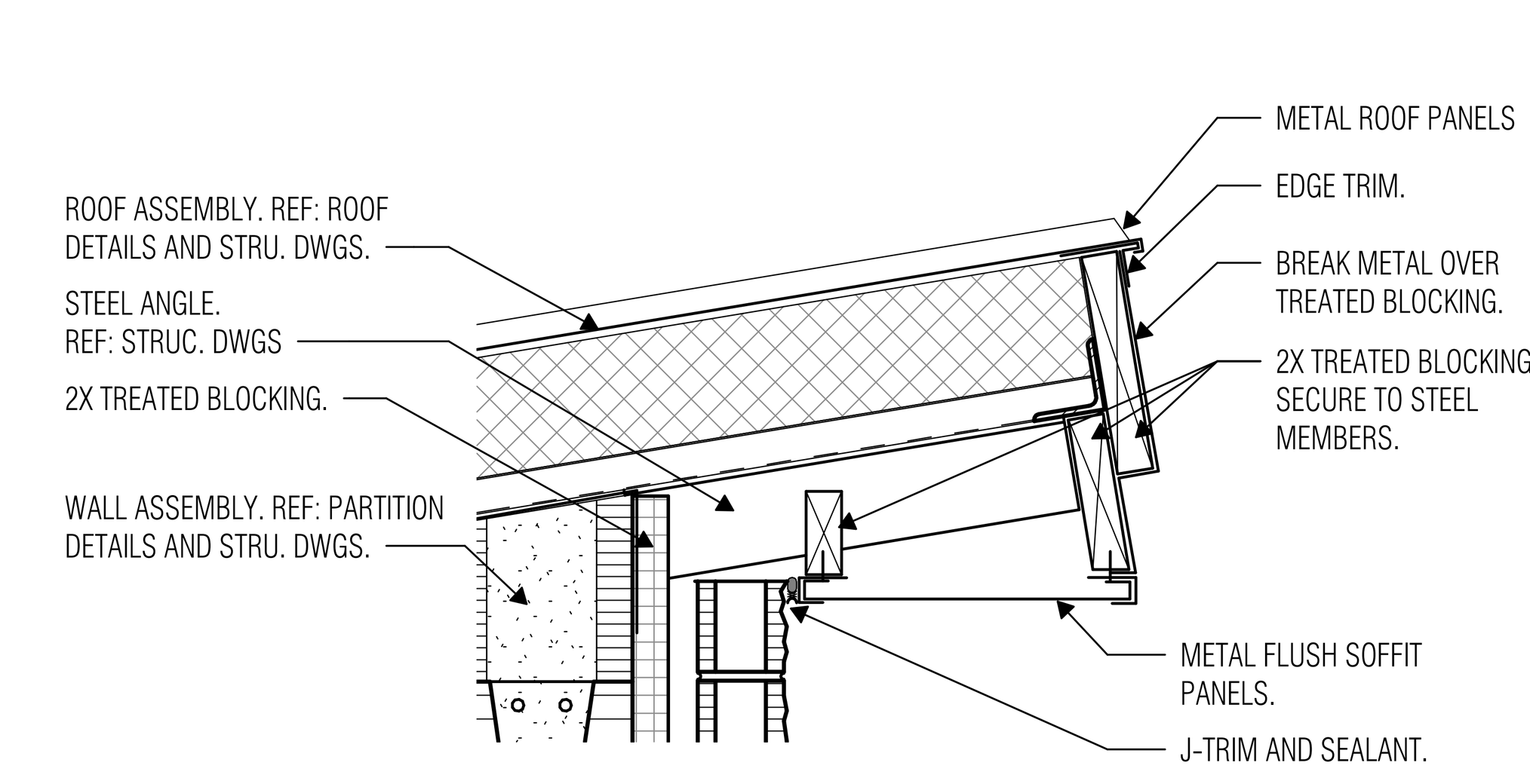
7 APPLIED WOOD BASE AT PRESSBOX
SCALE: 3" = 1'-0"



8 COILING SHUTTER DETAIL
SCALE: 1 1/2" = 1'-0"



9 R503 - GUTTER_PREFINISHED METAL ROOF
SCALE: 3" = 1'-0"



10 PRESSBOX HIGH EAVE DETAIL
SCALE: 1 1/2" = 1'-0"

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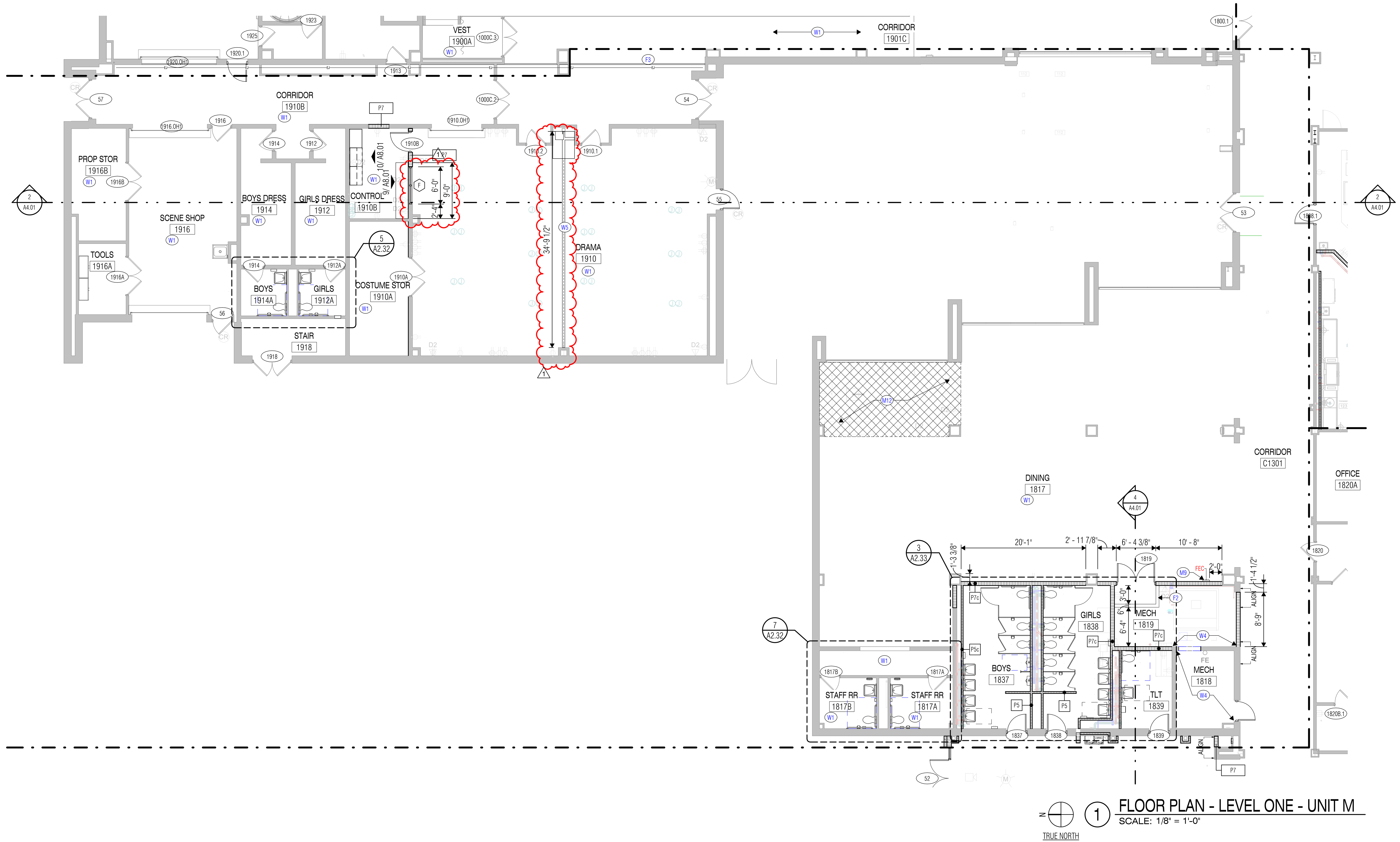
Director RSJ
Designer BE
Proj. Arch. TQ
Drawn By TQ, BW, DG
Quality Control

PROJECT NO.
23-148.00

SHEET TITLE
PRESS BOX FINISH PLANS, SECTIONS, DOOR SCHEDULE

SHEET NO.
A1.41



1 FLOOR PLAN - LEVEL ONE - UNIT M
SCALE: 1/8" = 1'-0"

TRUE NORTH

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 128.53' to 128.87' (Mean Sea Level), which equals to 100'-0" datum. Ref. Civil grading plans.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections.
   A. Refer to the A4.01 series sheets for Wall Sections, and to Sheet A4.20 and A4.21 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to Sheet A4.10 for Partition Types.
7. Interior partitions are Type "P7" unless noted otherwise.
8. Refer to Detail CODE 4.0 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to Sheet A4.10 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to Sheet A4.10 for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide [4"] starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
16. Provide sealant and/or fire safing at all floor penetrations, as applicable
17. Contractor to provide video documention of existing conditions prior to demolition. Provide files to architect and owner.

FLOOR PLAN LEGEND

METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

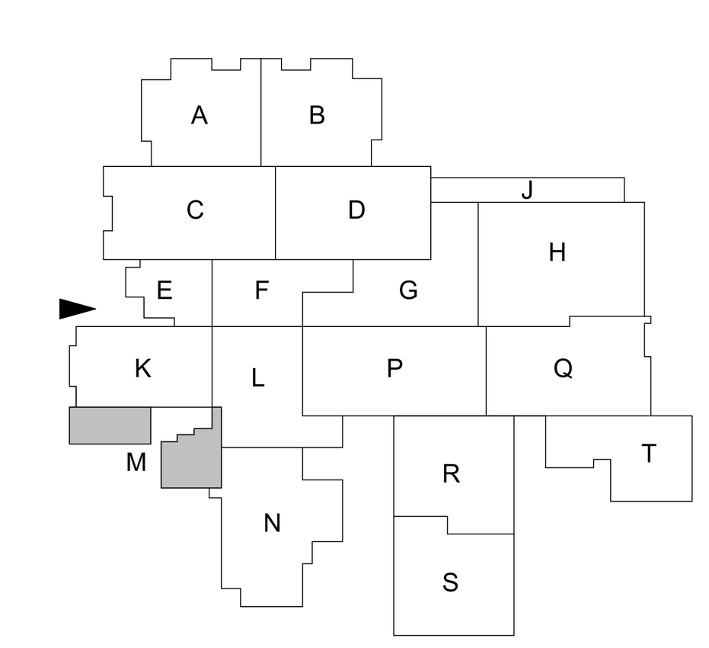
LKA-4 — LOCKER TYPE
For locker types, Ref: 18 / A8.01
LOCKER QUANTITY

FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD. Preceding number is length, in feet.
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET

KEYED NOTES

F2	CONTINUE CURB AROUND MECH ROOM DOOR. SIZE OF CURB TO MATCH ADJACENT PARTITION CURB. RE: STRUC.
F3	PROVIDE NEW COVER FOR FLOOR, WALL, AND CEILING EXPANSION JOINTS. TYPICAL THROUGHOUT CAMPUS.
M9	PROVIDE NEW FIRE EXTINGUISHER CABINET.
M12	REMOVE ALL TEMPORARY WALLS, UTILITIES, EQUIPMENT, FURNITURE, AND ITEMS RELATED TO TEMPORARY FACILITIES AFTER COMPLETION OF MAIN FOOD SERVICE AREA. PATCH AND REPAIR ANY DAMAGED SURFACES TO MATCH EXISTING. CLEAN ALL AREAS IMPACTED BY CONSTRUCTION.
W1	PAINT ALL PREVIOUSLY PAINTED SURFACES AS SCHEDULED. REFER TO FINISH PLANS.
W4	PROVIDE SURFACE APPLIED WATER STOP SYSTEM UP TO 4" ON EXISTING WALLS. EXTEND WATERSTOP ONTO CONCRETE SLAB MIN. 12" FROM FACE OF EXISTING WALL. FEATHER EDGES FOR A SMOOTH TRANSITION. WHERE EXISTING WALL MEETS A NEW.
W5	NEW 20'H MANUAL FOLDING PARTITION. PANELS TO BE BLACK. REFER TO STRUCTURAL DRAWINGS.



KEY PLAN - LEVEL ONE

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

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02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

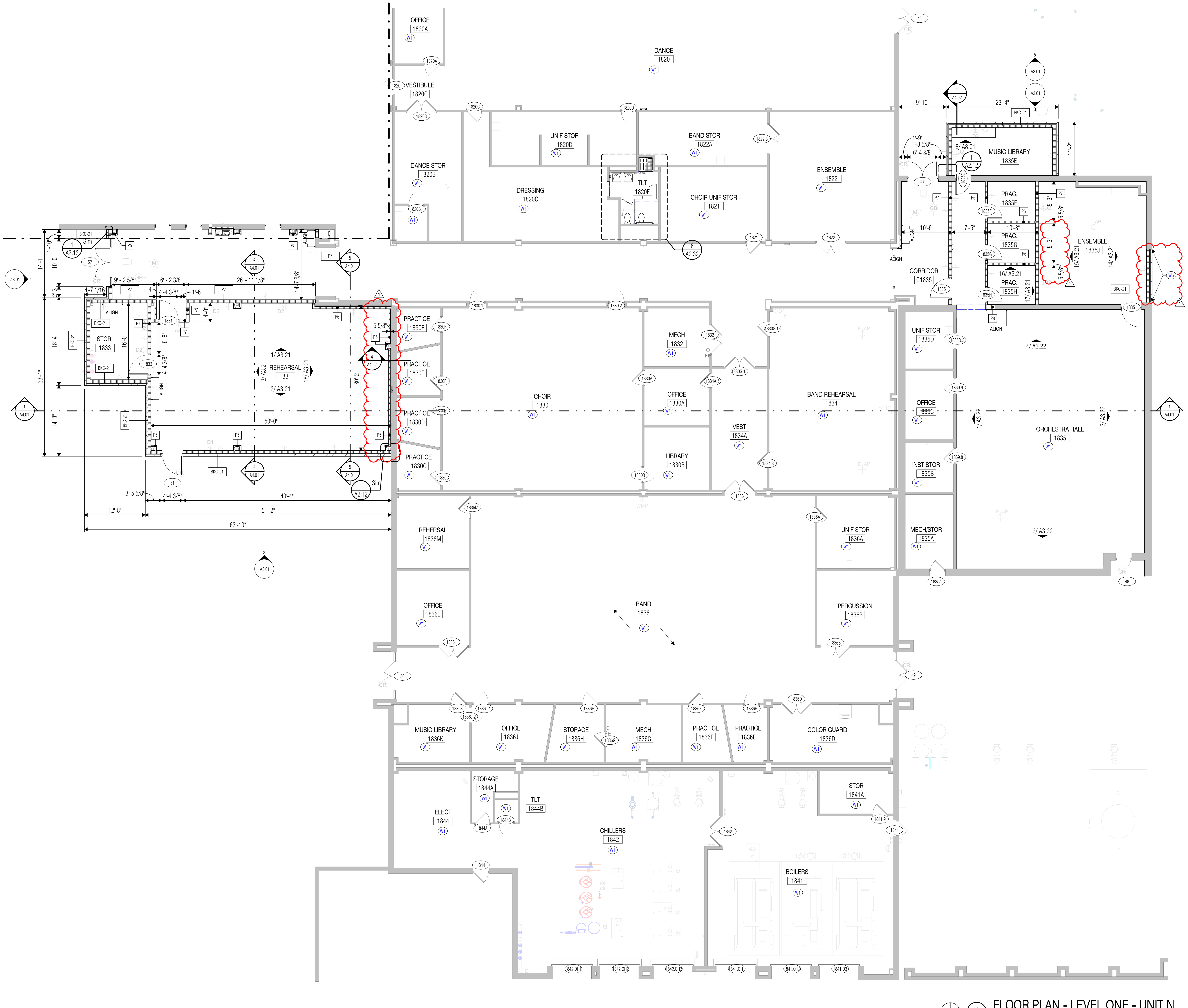
Director RSJ
Drawn By TQ, BW, DG
Designer BE
Quality Control
Proj. Arch. TQ

PROJECT NO.
23-148.00

SHEET TITLE
FLOOR PLAN - LEVEL ONE- UNIT 'M'

SHEET NO.
A2.11M

2024 Cy-Creek HS Renovation



FLOOR PLAN - LEVEL ONE - UNIT N
SCALE: 1/8" = 1'-0"
TRUE NORTH

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 128.53' to 128.87' (Mean Sea Level), which equals to 100'-0" datum. Ref. Civil grading plans.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections.
   A. Refer to the A4.01 series sheets for Wall Sections, and to Sheet A4.20 and A4.21 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to Sheet A4.10 for Partition Types.
7. Interior partitions are Type "P7" unless noted otherwise.
8. Refer to Detail CODE 4.0 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to Sheet A4.10 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to Sheet A4.10 for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide [4"] starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
16. Provide sealant and/or fire safing at all floor penetrations, as applicable
17. Contractor to provide video documention of existing conditions prior to demolition. Provide files to architect and owner.

FLOOR PLAN LEGEND

METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

LKA-4 — LOCKER TYPE
For locker types, Ref:
LOCKER QUANTITY 18 / A8.01

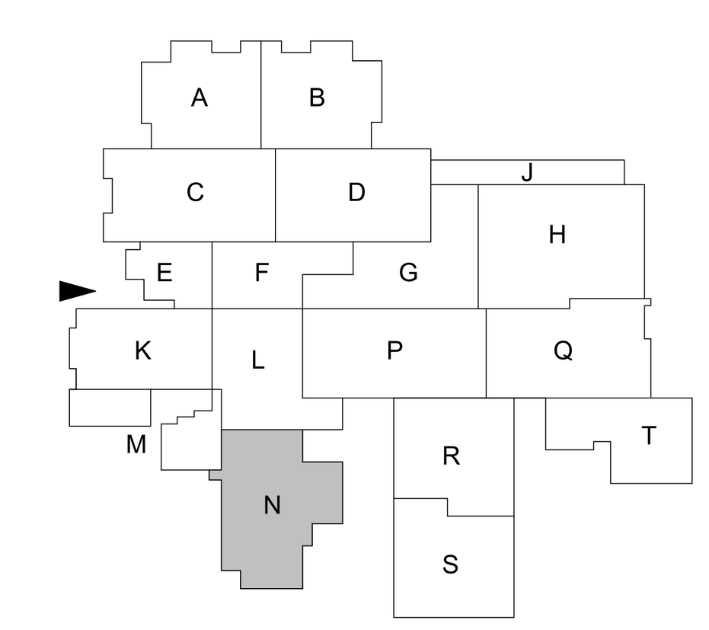
FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD. Preceding number is length, in feet.
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
DS	DOWNSPOUT

KEYED NOTES

W1 PAINT ALL PREVIOUSLY PAINTED SURFACES AS SCHEDULED. REFER TO FINISH PLANS.

W6 INFILL CMU AND BRICK WALL TO MATCH ADJACENT WALLS. REMOVE EXISTING INSULATION AS NEEDED TO OVERLAP NEW WATERPROOFING WITH EXISTING WATERPROOFING MIN. 6".



KEY PLAN - LEVEL ONE

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24-02-5754-R-RFP

REGISTERED ARCHITECT RUDOLPH STARKS JR. 24202 STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director RSJ
Drawn By TQ, BW, DG
Designer BE
Quality Control
Proj. Arch. TQ

PROJECT NO.
23-148.00

SHEET TITLE
FLOOR PLAN - LEVEL ONE- UNIT 'N'

2024 Cy-Creek HS Renovation

SHEET NO.
A2.11N

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 128.53' to 128.87' (Mean Sea Level), which equals to 100'-0" datum. Ref. Civil grading plans.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections.
   A. Refer to the **A4.01** series sheets for Wall Sections, and to Sheet **A4.20** and **A4.21** for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to Sheet **A4.10** for Partition Types.
7. Interior partitions are Type **"P7"** unless noted otherwise.
8. Refer to Detail **CODE 4.0** for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to Sheet **A4.10** for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to Sheet **A4.10** for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide [4"] starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
16. Provide sealant and/or fire safing at all floor penetrations, as applicable
17. Contractor to provide video documention of existing conditions prior to demolition. Provide files to architect and owner.

FLOOR PLAN LEGEND

METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

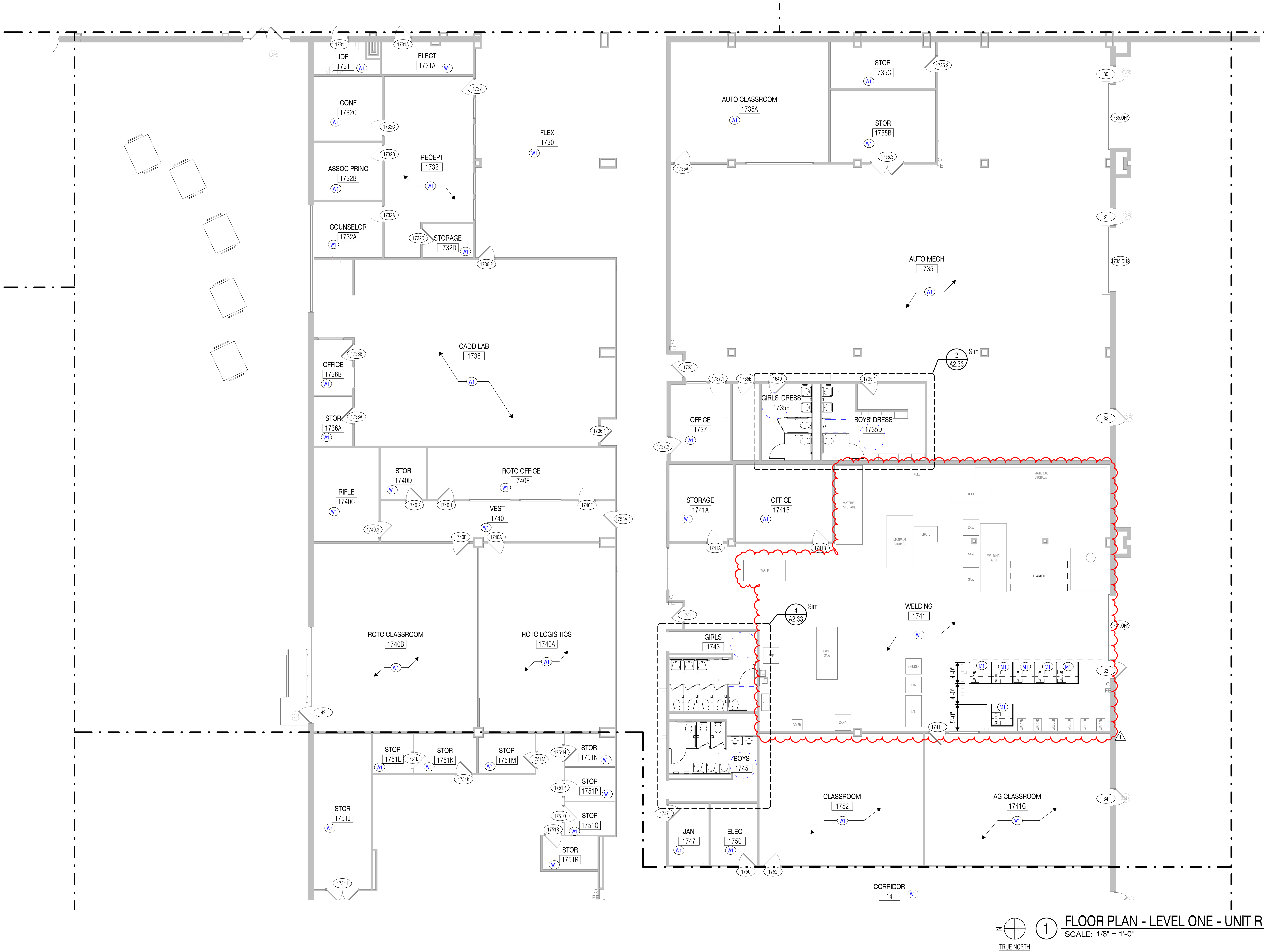
LKA-4 — LOCKER TYPE
For locker types, Ref:
LOCKER QUANTITY 18 / A8.01

FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

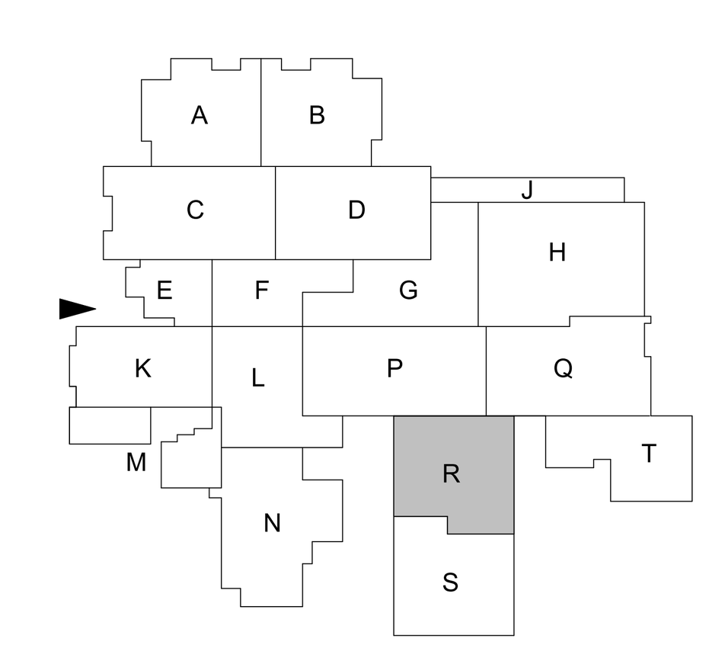
MB	MARKERBOARD. Preceding number is length, in feet.
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
DS	DOWNSPOUT

KEYED NOTES

M1	NEW WELDING BOOTH AND WELDING EQUIPMENT. REF: MEP FOR PANEL CONNECTIONS AND EXHAUST SYSTEMS.
W1	PAINT ALL PREVIOUSLY PAINTED SURFACES AS SCHEDULED. REFER TO FINISH PLANS.



1 FLOOR PLAN - LEVEL ONE - UNIT R
SCALE: 1/8" = 1'-0"
TRUE NORTH



KEY PLAN - LEVEL ONE

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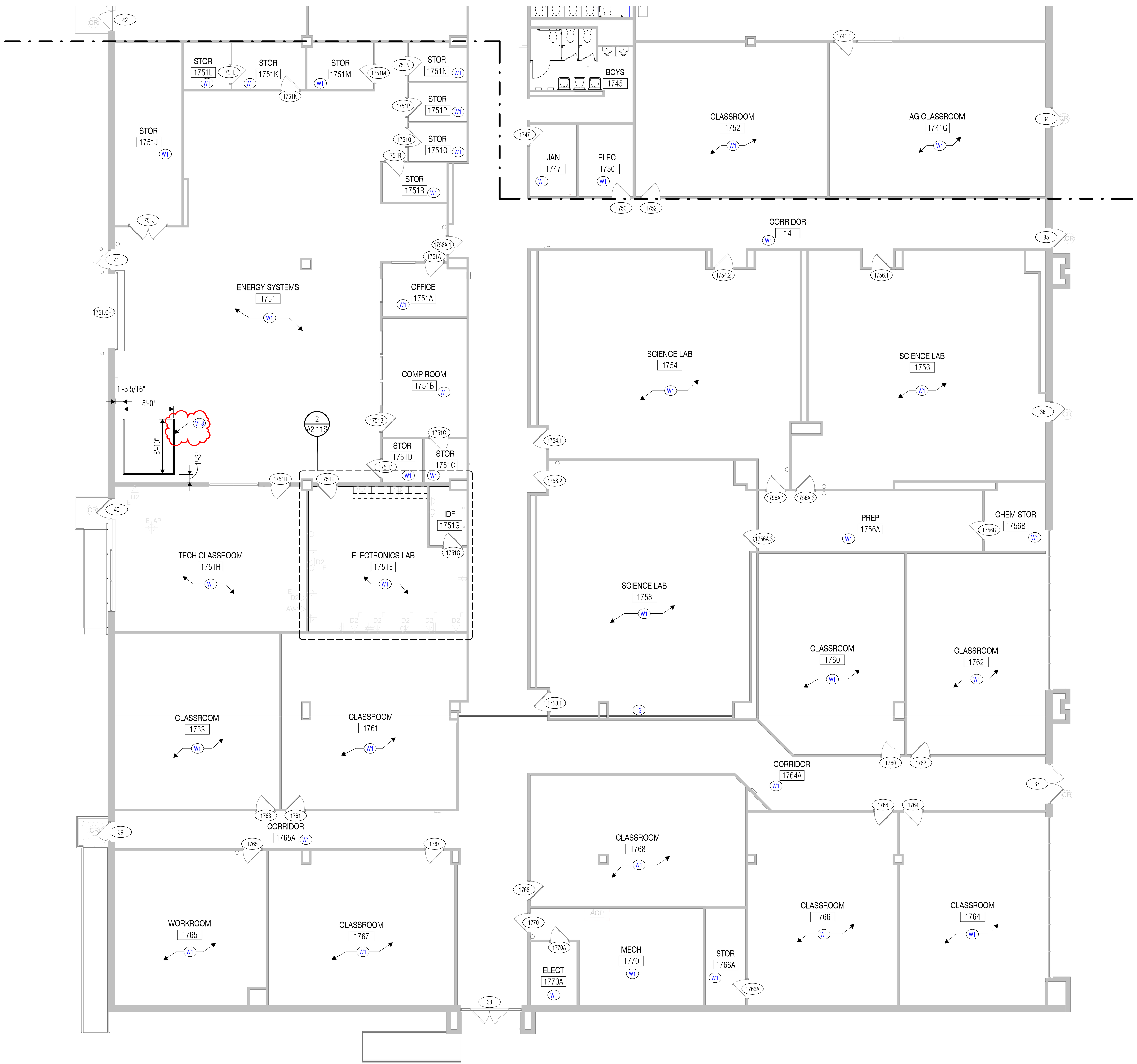
Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

PROJECT NO.
23-148.00

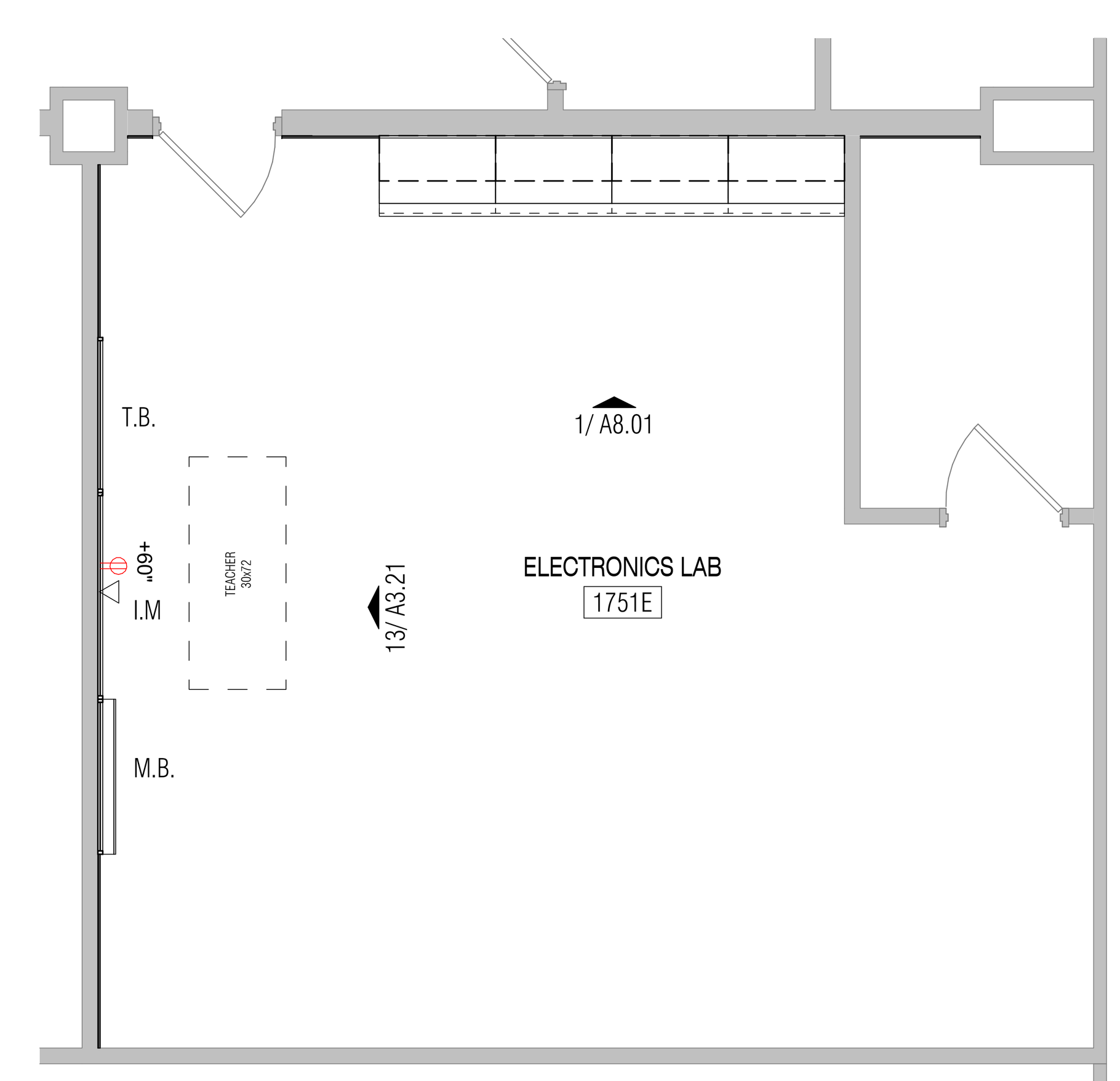
SHEET TITLE
FLOOR PLAN - LEVEL ONE- UNIT 'R'

SHEET NO.
A2.11R



TRUE NORTH

1 FLOOR PLAN - LEVEL ONE - UNIT S
SCALE: 1/8" = 1'-0"



2 ENLARGED - UNIT S
SCALE: 1/4" = 1'-0"

FLOOR PLAN NOTES

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5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to Sheet A4.10 for Partition Types.
7. Interior partitions are Type "P7" unless noted otherwise.
8. Refer to Detail CODE 4.0 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to Sheet A4.10 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to Sheet A4.10 for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
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FLOOR PLAN LEGEND

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CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

LKA-4
LOCKER TYPE
For locker types, Ref:
LOCKER QUANTITY 18 / A8.01

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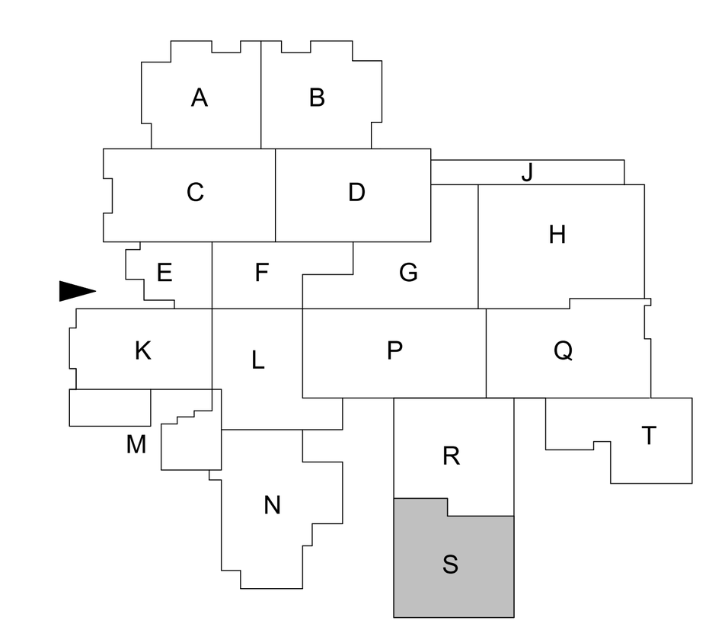
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
DS	DOWNSPOUT

KEYED NOTES

F3 PROVIDE NEW COVER FOR FLOOR, WALL, AND CEILING EXPANSION JOINTS. TYPICAL THROUGHOUT CAMPUS.

M13 NEW PAINTBOOTH AND EXHAUST SYSTEMS. RE: MEP DWGS

W1 PAINT ALL PREVIOUSLY PAINTED SURFACES AS SCHEDULED. REFER TO FINISH PLANS.



KEY PLAN - LEVEL ONE

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

REGISTERED ARCHITECT
RUDOLPH STARKS JR.
24202
STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

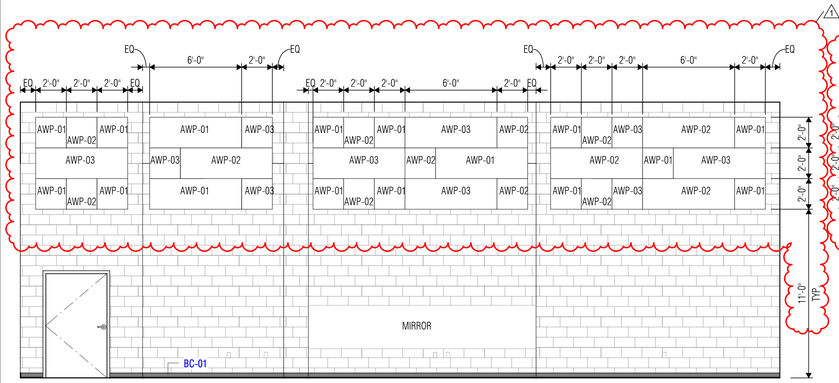
Director: RSJ
Drawn By: TQ, BW, DG
Designer: BE
Quality Control
Proj. Arch.: TQ

PROJECT NO.
23-148.00

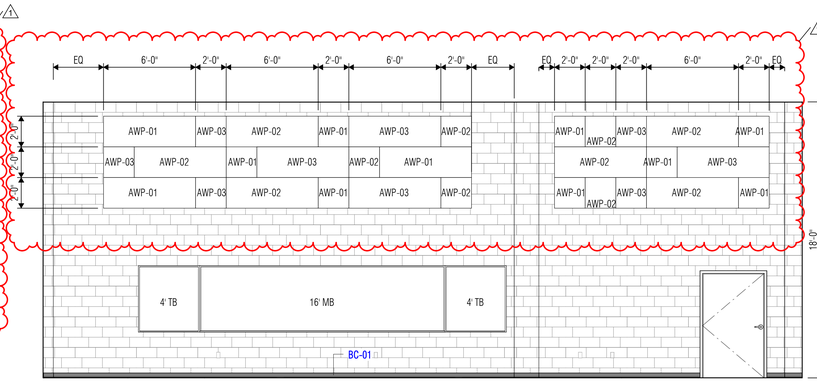
SHEET TITLE
FLOOR PLAN - LEVEL ONE- UNIT 'S'

2024 Cy-Creek HS Renovation

SHEET NO.
A2.11S



1 REHEARSAL NORTH INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



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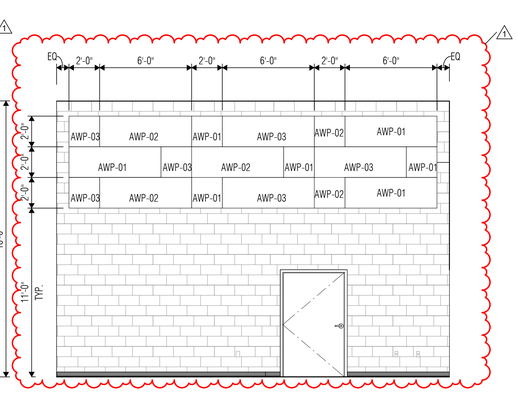

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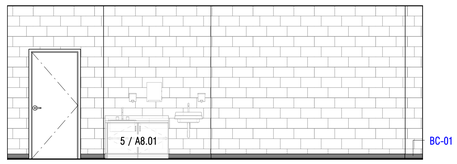

4 DIGITAL ART SOUTH
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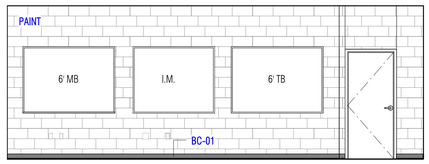

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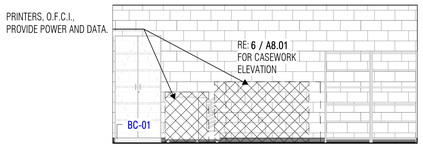

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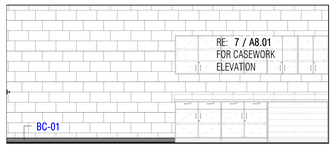

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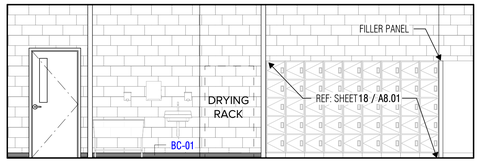
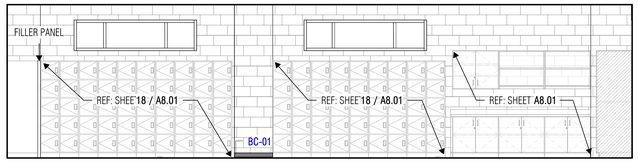


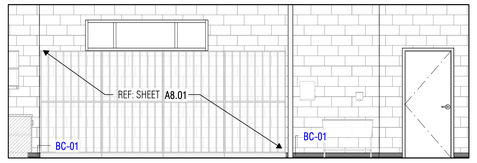
(9) 5-TIER LOCKERS

8 ART ROOM NORTH
SCALE: 1/4" = 1'-0"



(19) 5-TIER LOCKERS

9 ART ROOM EAST
SCALE: 1/4" = 1'-0"



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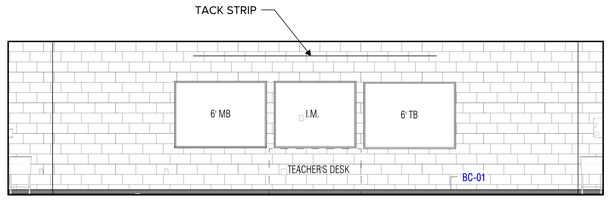

11 ART ROOM WEST
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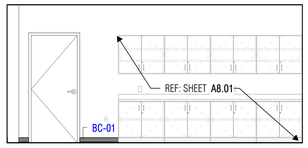

12 ELEC. LAB NORTH
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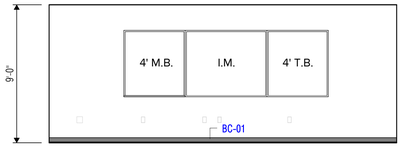

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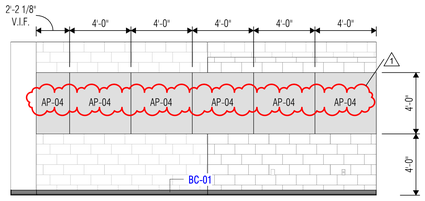

14 ENSEMBLE 1835J - EAST ELEV
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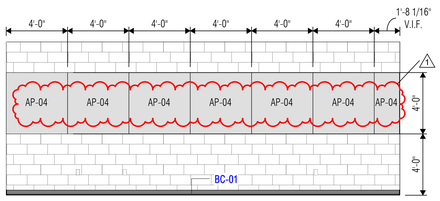

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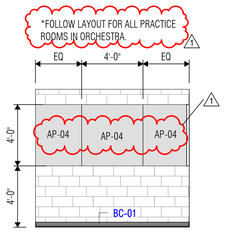
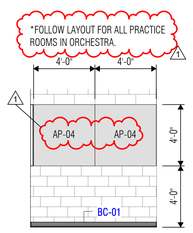
SCALE: 1/4" = 1'-0"



16 TYP. PRACTICE ELEV - NORTH
SCALE: 1/4" = 1'-0"



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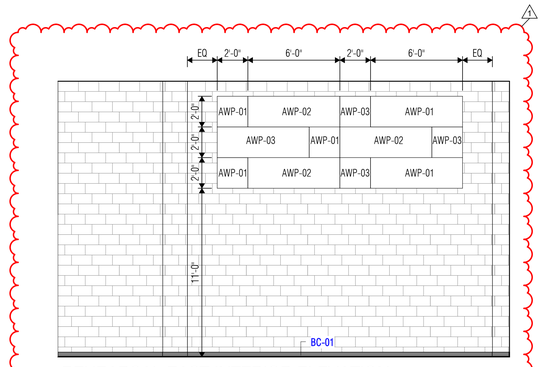

18 REHEARSAL EAST INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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HOUSTON, TEXAS

02/06/2025

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1	Addendum 2	02/06/2025

Director	Drawn By
RSJ	TQ, BW, DG
Designer	Quality Control
BE	
Proj. Arch.	
TQ	

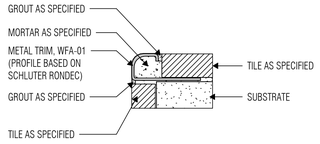
PROJECT NO.
23-148.00

SHEET TITLE
INTERIOR ELEVATIONS

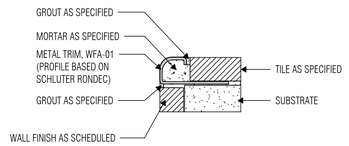
SHEET NO.
A3.21

2024 Cy-Creek HS Renovation

24-02-5754-R-RFP



1 TILE CORNER TRIM DETAIL 01
SCALE: 12" = 1'-0"



2 TILE CORNER TRIM DETAIL 02
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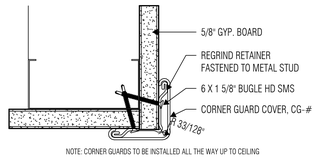

3 SURFACE MOUNTED CORNER GUARD
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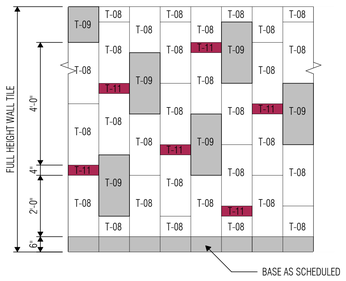

4 FULL HEIGHT TILE PATTERN - WTP -01
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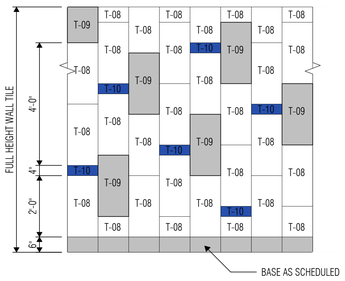
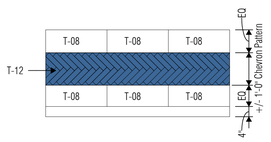


5 FULL HEIGHT TILE PATTERN - WTP-02
SCALE: 1/2" = 1'-0"



6 SERVING FRONT TILE PATTERN - WTP-03
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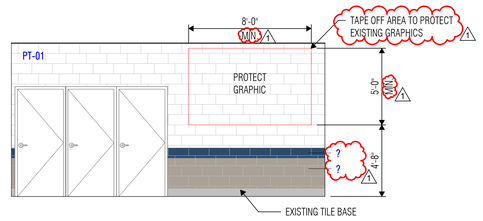
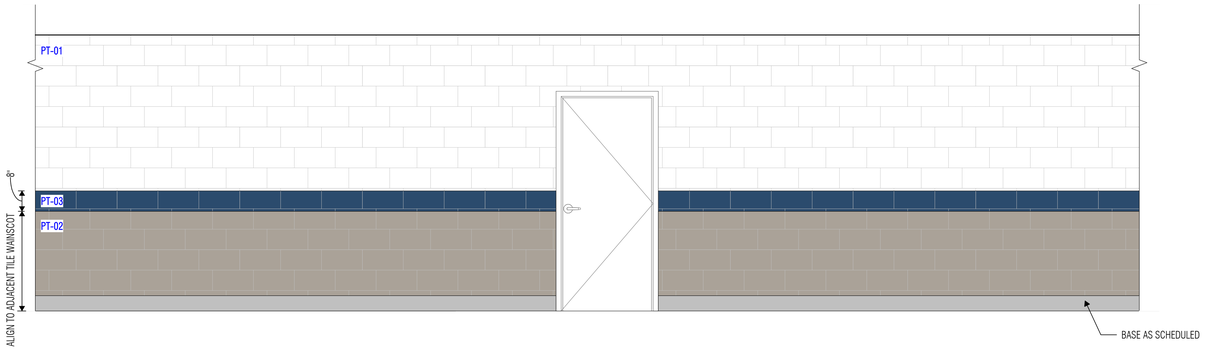


7 GRAPHIC PAINT TYP.
SCALE: 1/4" = 1'-0"



8 WAINSCOT PAINT 01
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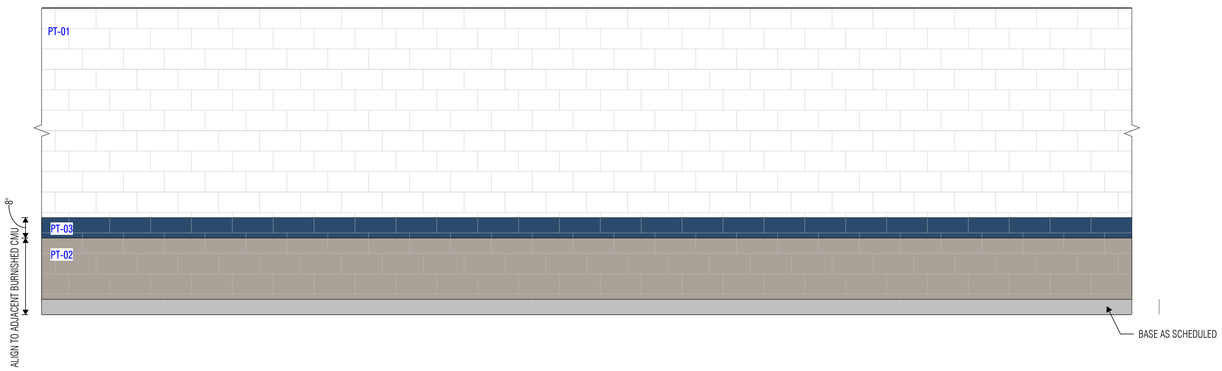

9 WAINSCOT PAINT 02
SCALE: 1/2" = 1'-0"

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ISSUED: JANUARY 20, 2025

REVISIONS

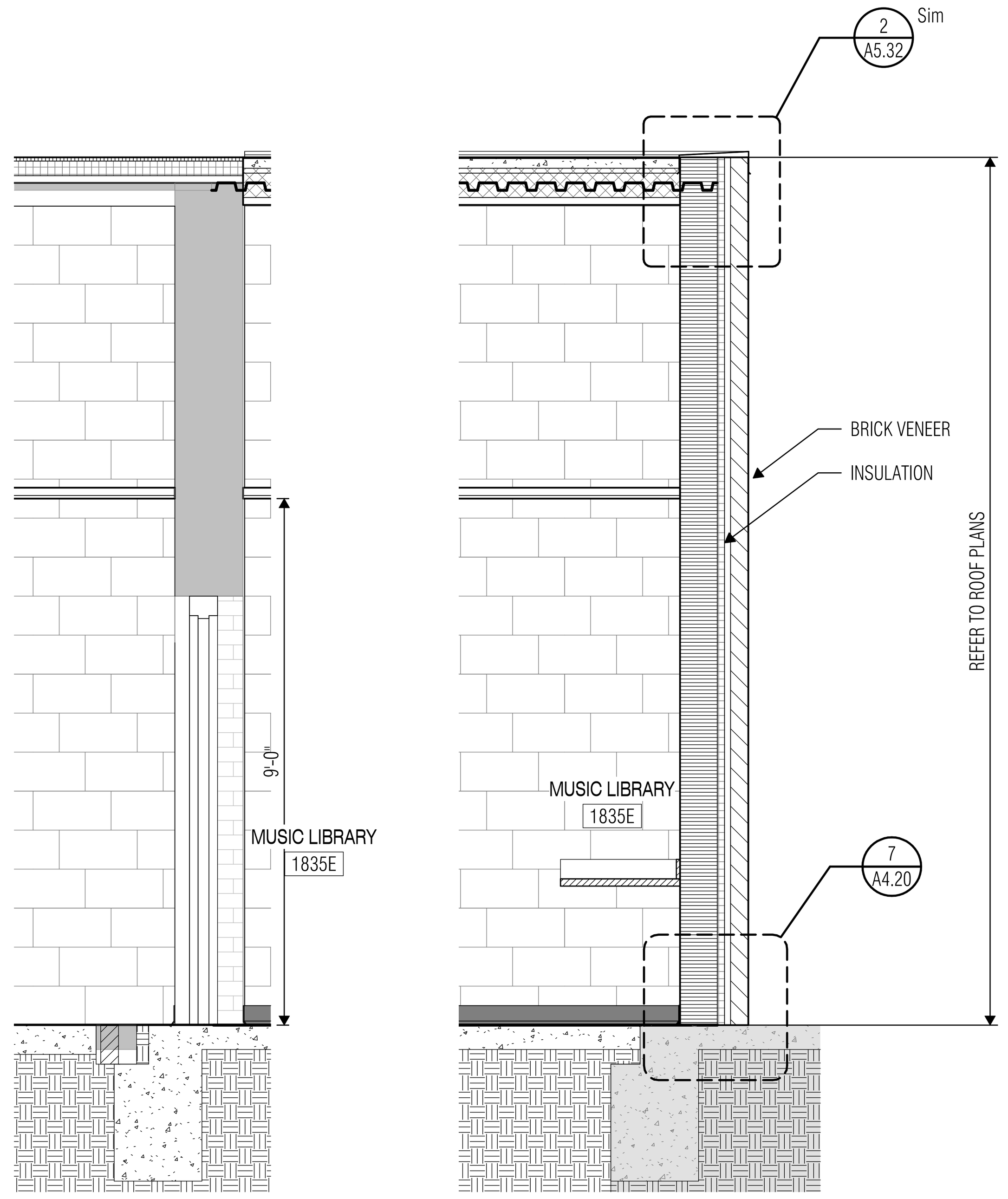
Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director	Drawn By
RSJ	TQ, BW, DG
Designer	Quality Control
BE	
Proj. Arch.	
TQ	

PROJECT NO.
23-148.00

SHEET TITLE
INTERIOR ELEVATION DETAILS

SHEET NO.
A3.31



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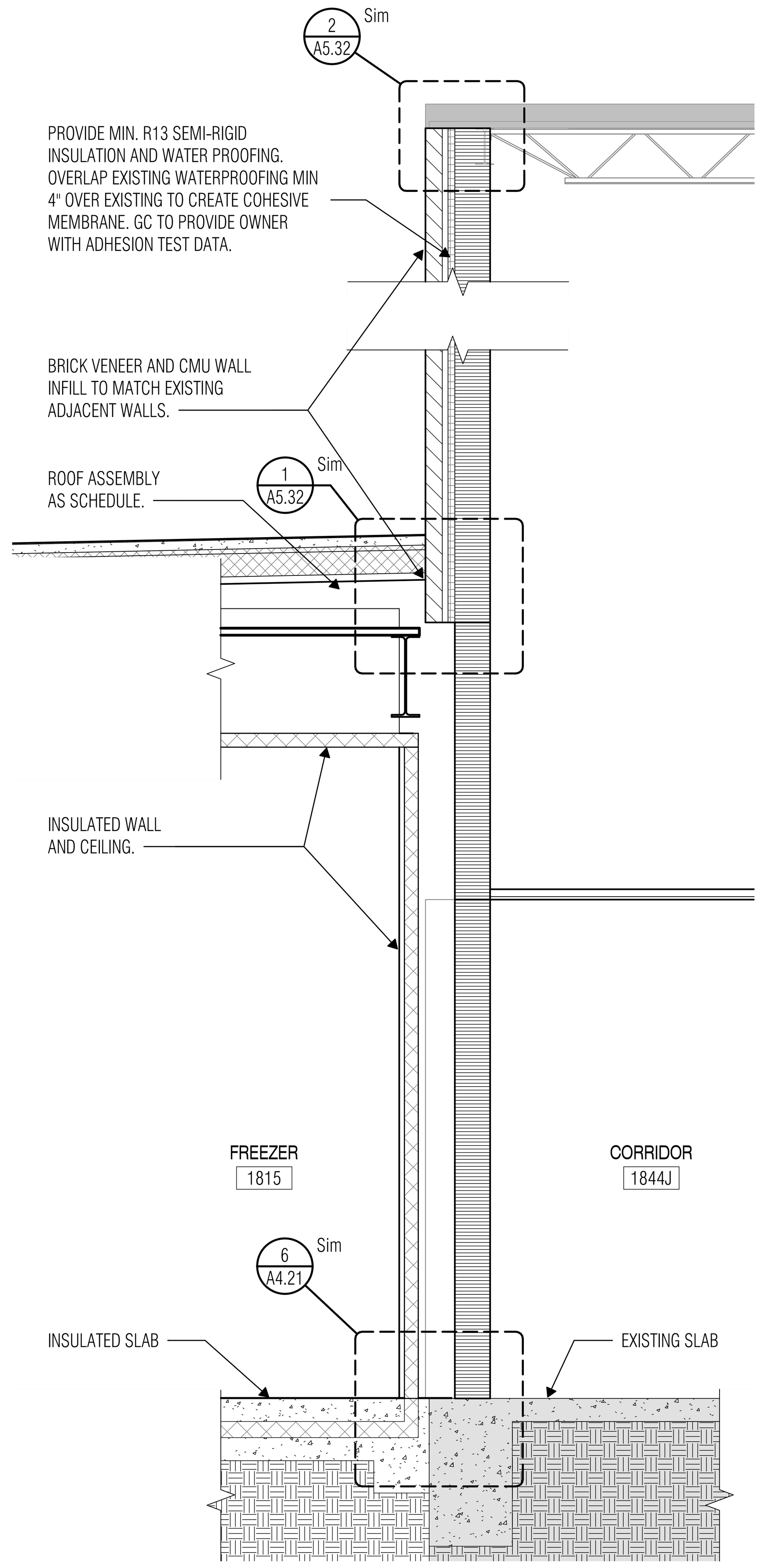

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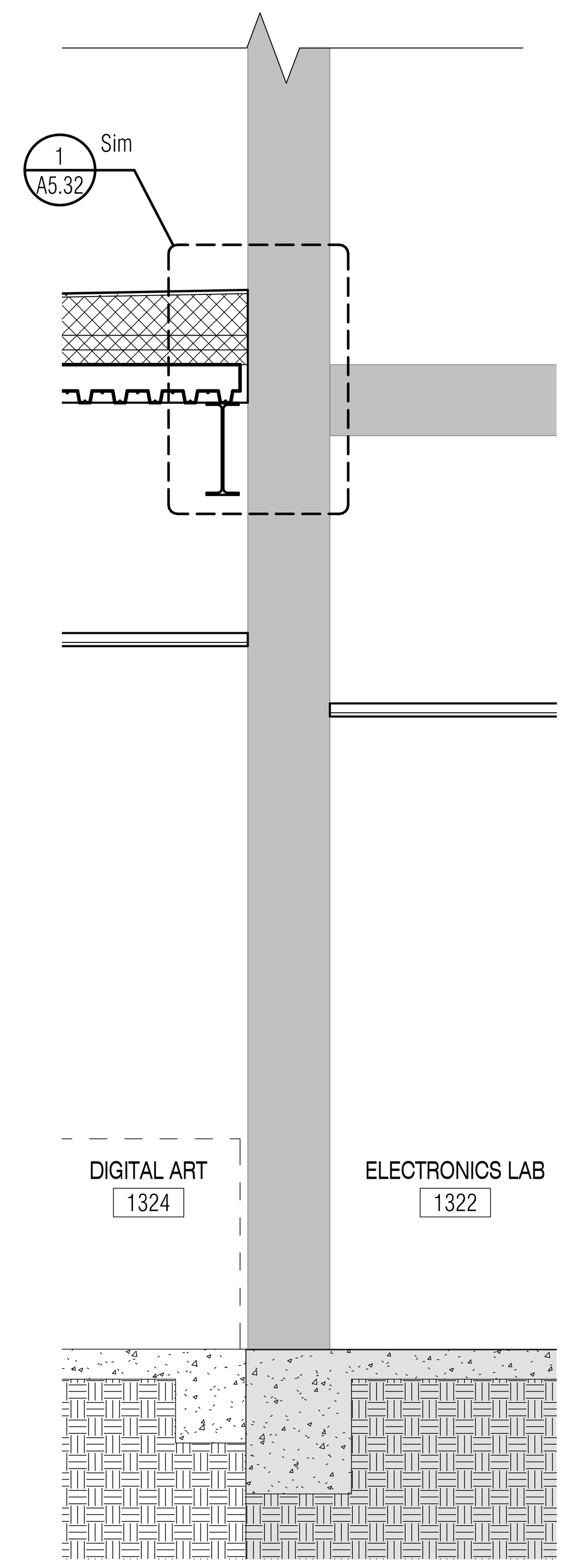

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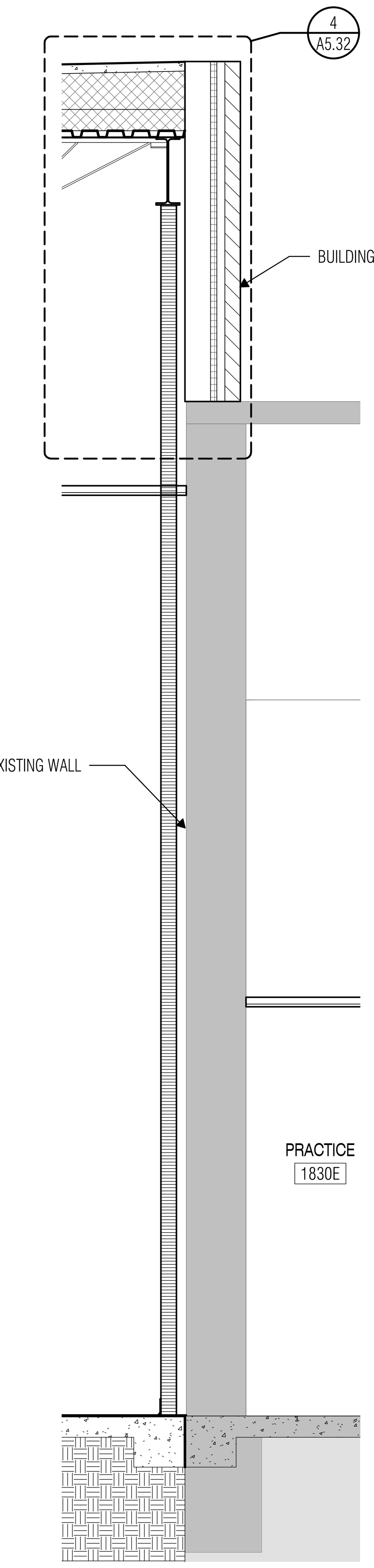

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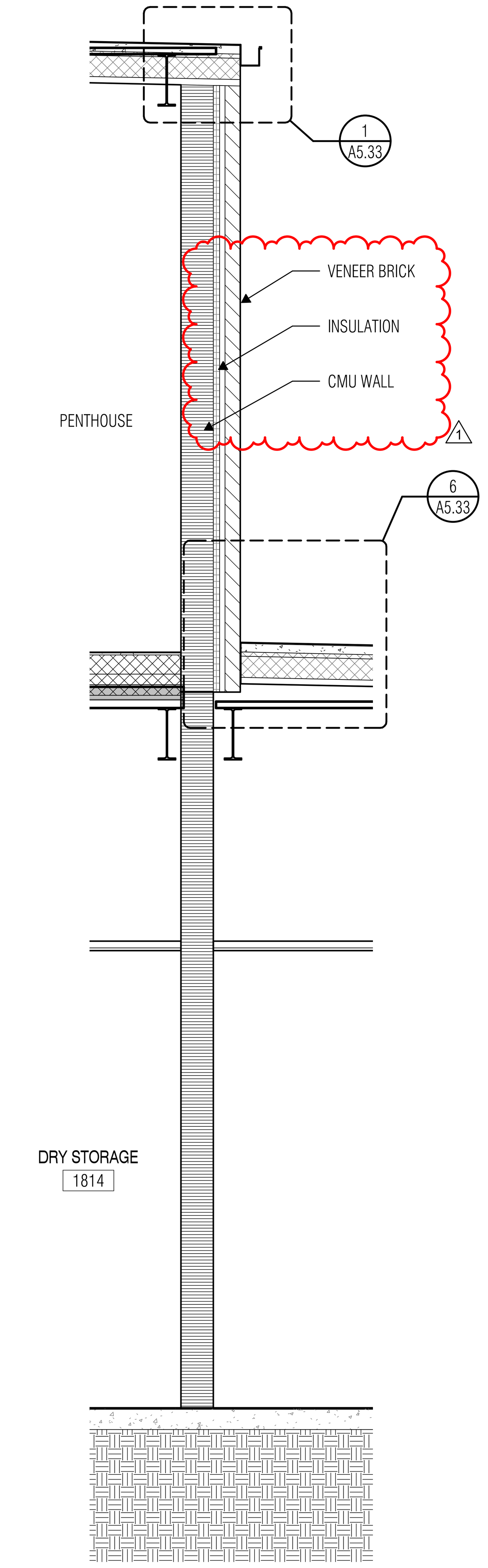

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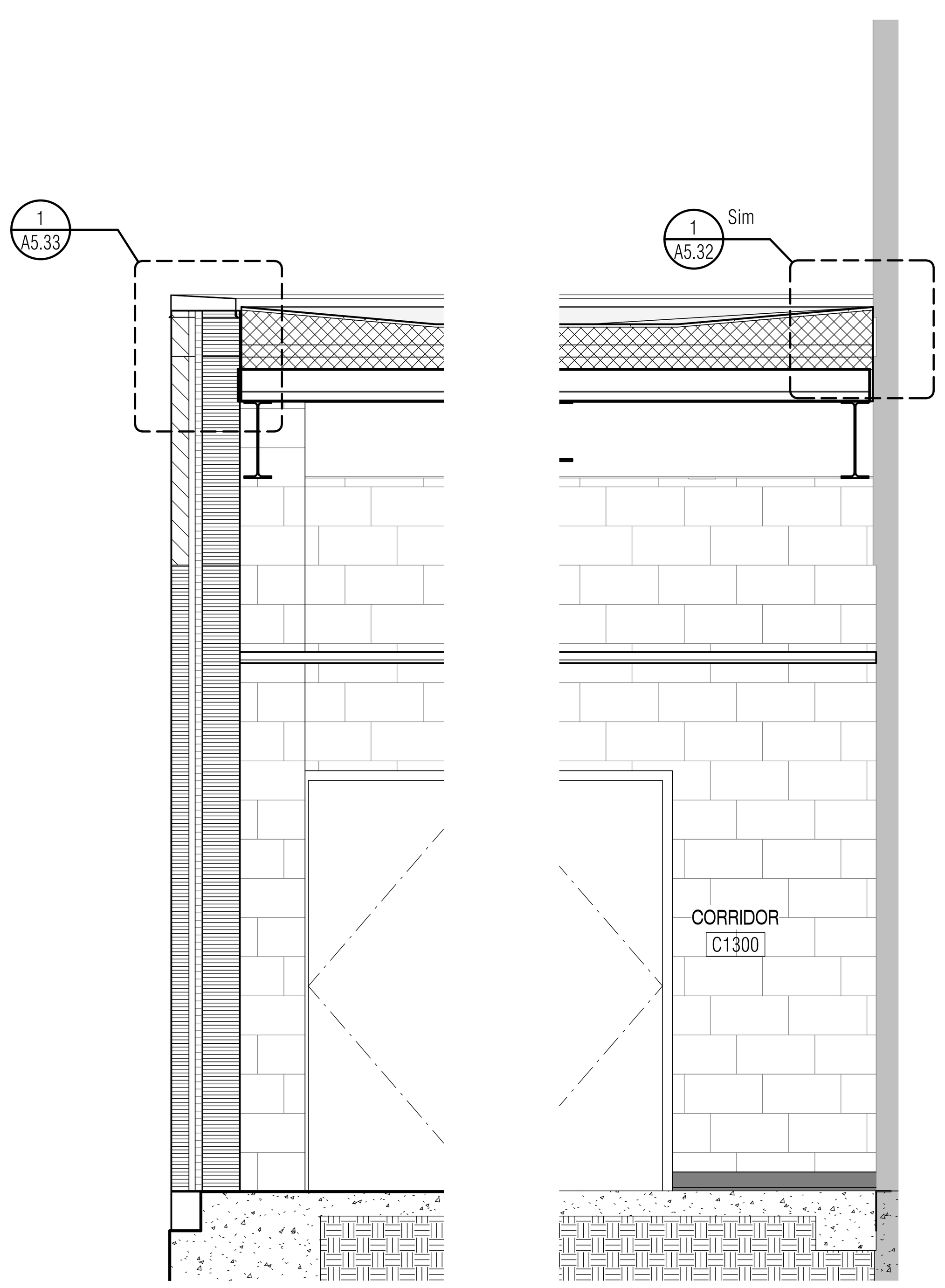

6 ART ADDITION CORRIDOR SECTION
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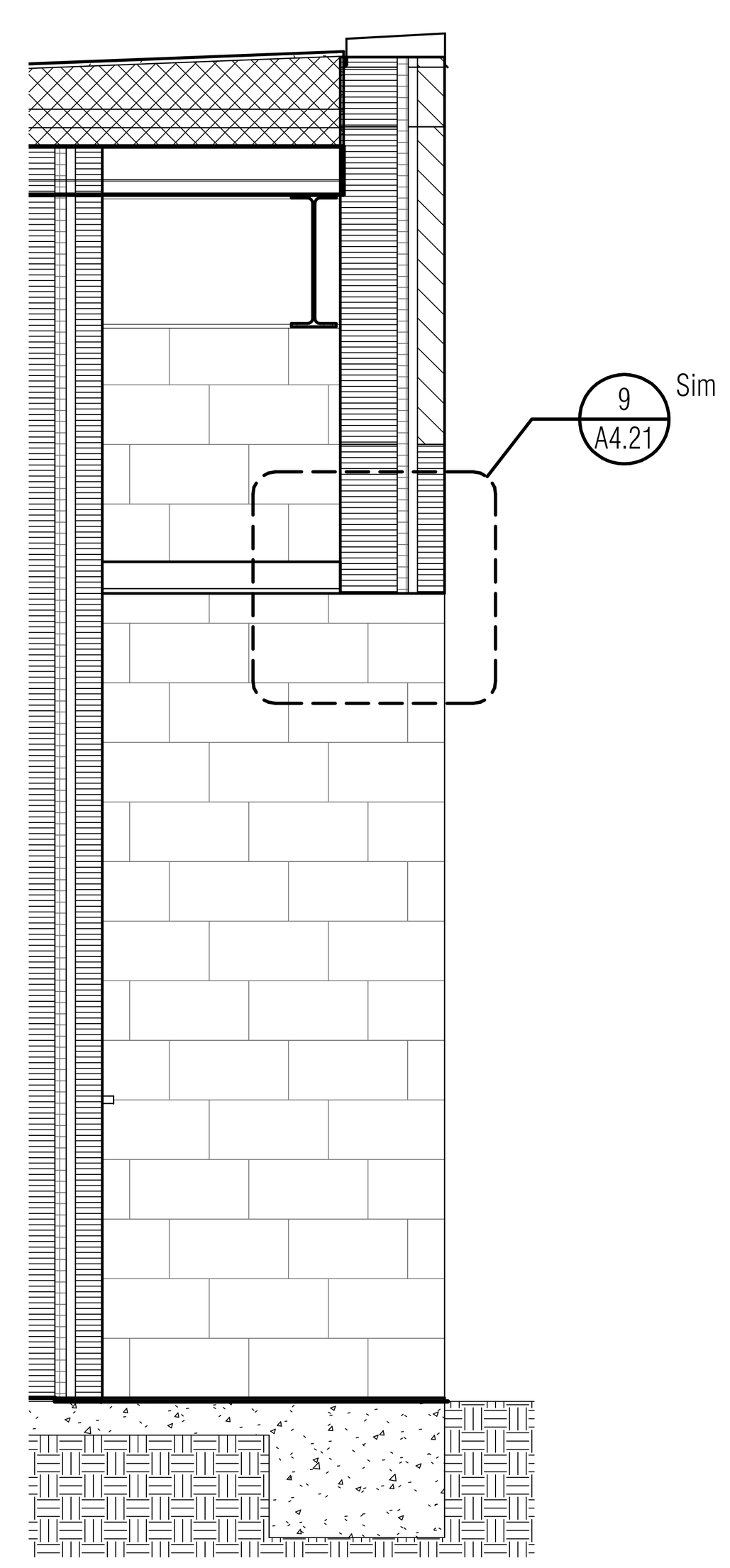

7 EXTERIOR RECESSED SOFFIT
SCALE: 1/2" = 1'-0"

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STATE OF TEXAS
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1	Addendum 2	02/06/2025

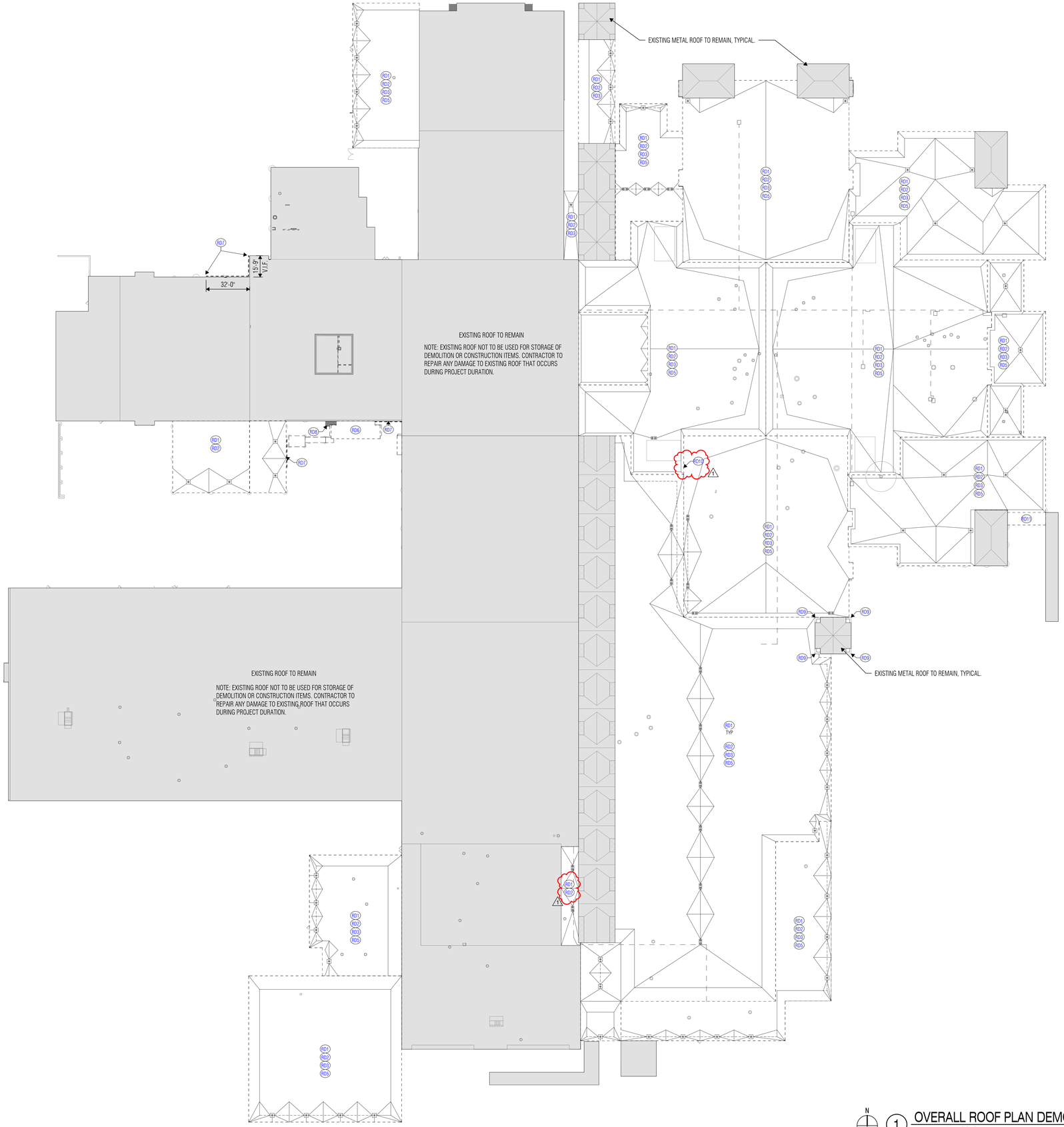
Director
RSJ
Designer
BE
Proj. Arch.
TQ

Drawn By
TQ, BW, DG
Quality Control

PROJECT NO.
23-148.00

SHEET TITLE
WALL SECTIONS

SHEET NO.
A4.02



N
TRUE NORTH

1 OVERALL ROOF PLAN DEMO
SCALE: 1" = 30'-0"

ROOF PLAN NOTES

1. Provide tapered insulation crickets at the high side of all rooftop curbs, mounting rails, and other miscellaneous roof penetrations as required to shed water around them and to ensure positive roof drainage, whether indicated on the drawings or not.
2. Crickets shall slope 1/2" per foot, unless noted otherwise.
3. Locate overflow scuppers per Building Elevations. If conflicts occur, contact Architect prior to construction.
4. Provide roof walkway protection at base of all roof ladders, around all sides of roof hatches, on all sides of rooftop units and condensing units, and on paths leading from roof access points to rooftop units and condensing units, whether indicated on drawings or not.
5. Provide layer of roof walkway protection under all pipe and conduit supports, fully-adhered to roof membrane.
6. Provide additional layer of single-ply roof membrane at the discharge point of downspouts, where splash pans are not provided.
7. Provide metal end closure at the ends of expansion joints, flashings and counterflashings.
8. Paint all exposed galvanized metal flashings, miscellaneous steel, piping, conduits, etc. that are not prefinished.

ROOF PLAN LEGEND

BUR	BUILT-UP BITUMINOUS ROOFING
SPM	SINGLE-PLY MEMBRANE ROOFING
MBM	MODIFIED BITUMINOUS MEMBRANE ROOFING
CTES	COAL-TAR PITCH ELASTOMERIC SHEET ROOFING
MRP	PREFINISHED METAL ROOF PANELS
T.O.M.	TOP OF MASONRY ELEVATION
T.O.D.	TOP OF DECK ELEVATION
T.O.S.	TOP OF STEEL ELEVATION
RD	ROOF DRAIN, REF. **19 / A8.01**
OD	OVERFLOW DRAIN WITH DOWNSPOUT NOZZLE, REF.
OS	OVERFLOW SCUPPER, REF. _/A_.__
DS	DOWNSPOUT, REF. _/A_.__
DSC	DOWNSPOUT WITH SCUPPER AND CONDUCTOR HEAD, REF. _/A_.__
SB	SPLASH BLOCK, CONCRETE, REF. **14 / A4.10**
SP	SPLASH PAN, REF. **4 / A5.33**
MC	MANUFACTURED COPING, REF. **6 / A5.32**
RL	ROOF LADDER, REF. **5 / A5.32**
RTU	ROOFTOP UNIT, REF. MECHANICAL & _/A_.__
CU	CONDENSING UNIT, REF. FOOD SERVICE, M.E.P. & _/A_.__
GP	GAS PIPE PENETRATION, REF. **- / ---**
RV	RELIEF VENT, REF. M.E.P.
EF	EXHAUST FAN, REF. M.E.P.

ROOF PLAN DEMO LEGEND

ROOF TO BE RECAPPED. REF SHEET A5.31 FOR DETAILS.

EXISTING ROOF TO REMAIN. PROTECT IN PLACE THROUGHOUT CONSTRUCTION.

EX-RD	EXISTING ROOF PLAN
EX-0D	EXISTING OVERFLOW DRAIN
CTES-TCT	EXISTING COAL-TAR PITCH ELASTOMERIC SHEET ROOFING OVER EXISTING TECTUM PANEL DECKING
CTES-LW	EXISTING COAL-TAR PITCH ELASTOMERIC SHEET ROOFING OVER EXISTING TECTUM PANEL DECKING
CTES-STRLLW	EXISTING COAL-TAR PITCH ELASTOMERIC SHEET ROOFING OVER EXISTING LIGHT WEIGHT CONCRETE DECKING
EX-EJ	EXISTING EXPANSION JOINT
EX-RL	EXISTING ROOF LADDER
EX-FH	EXISTING FIRE HATCH

EXISTING MECHANICAL, ELECTRICAL, PLUMBING UNITS

DEMOLISHED ITEMS

DEMO KEYED NOTES

RD1 CLEAN AND PREPARE ROOF AREAS AS SHOWN TO RECEIVE NEW BASE AND CAP SHEET. REPAIR ANY DEFORMATIONS AND/OR BUBBLES IN THE EXISTING ROOF LAYERS.

RD2 CAREFULLY REMOVE EXISTING COPING AND FLASHING IN AREAS SCHEDULED TO RECEIVE NEW CAP SHEET. STORE AND PROTECT TO BE REINSTALLED.

RD3 PROTECT ALL EXISTING MEP ROOF TOP UNITS IN PLACE. GC TO FIELD VERIFY ALL UNITS AND THEIR LOCATIONS. REF: MEP

RD5 REMOVE ALL ABANDONED EQUIPMENT, CAPS, RAILINGS, CURBS, AND ASSOCIATED ITEMS ON EXISTING ROOF. COORDINATE WITH OWNER FOR REUSE OF SALVAGED ITEMS. 1

RD6 REMOVE CANOPY BACK TO ROOF EDGE. PROPERLY DISPOSE OF ALL DEBRIS. PREPARE AREA TO RECIEVE EXPANSION JOINT.

RD7 REMOVE EXISTING ROOF COPING AND BLOCKING. CLEAN AND PREPARE SURFACES TO RECEIVE NEW CONSTRUCTION. RE: ROOF DETAILS AND STRUCTURE SHEETS.

RD8 EXISTING CANOPY. CONTRACTOR TO PROTECT DURING DEMO AND CONSTRUCTION. CONTRACTOR TO RETURN CANOPY TO OWNER IN AS-GOOD OR BETTER CONDITION.

RD9 CLEAN AND PREPARE ROOF STONE LEDGE FOR STAINLESS STEEL METAL COPING TO BE INSTALLED.

RD10 CAREFULLY REMOVE PORTIONS OF EXPANSION JOINT AND CAP TO BE REBUILT.

RD11 CAREFULLY REMOVE PORTIONS OF EXISTING CANOPY DECKING AND FASCIA BACK TO JOINT. REF: DEMO SITE PLANS 1

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BRANDON STARKS
24295
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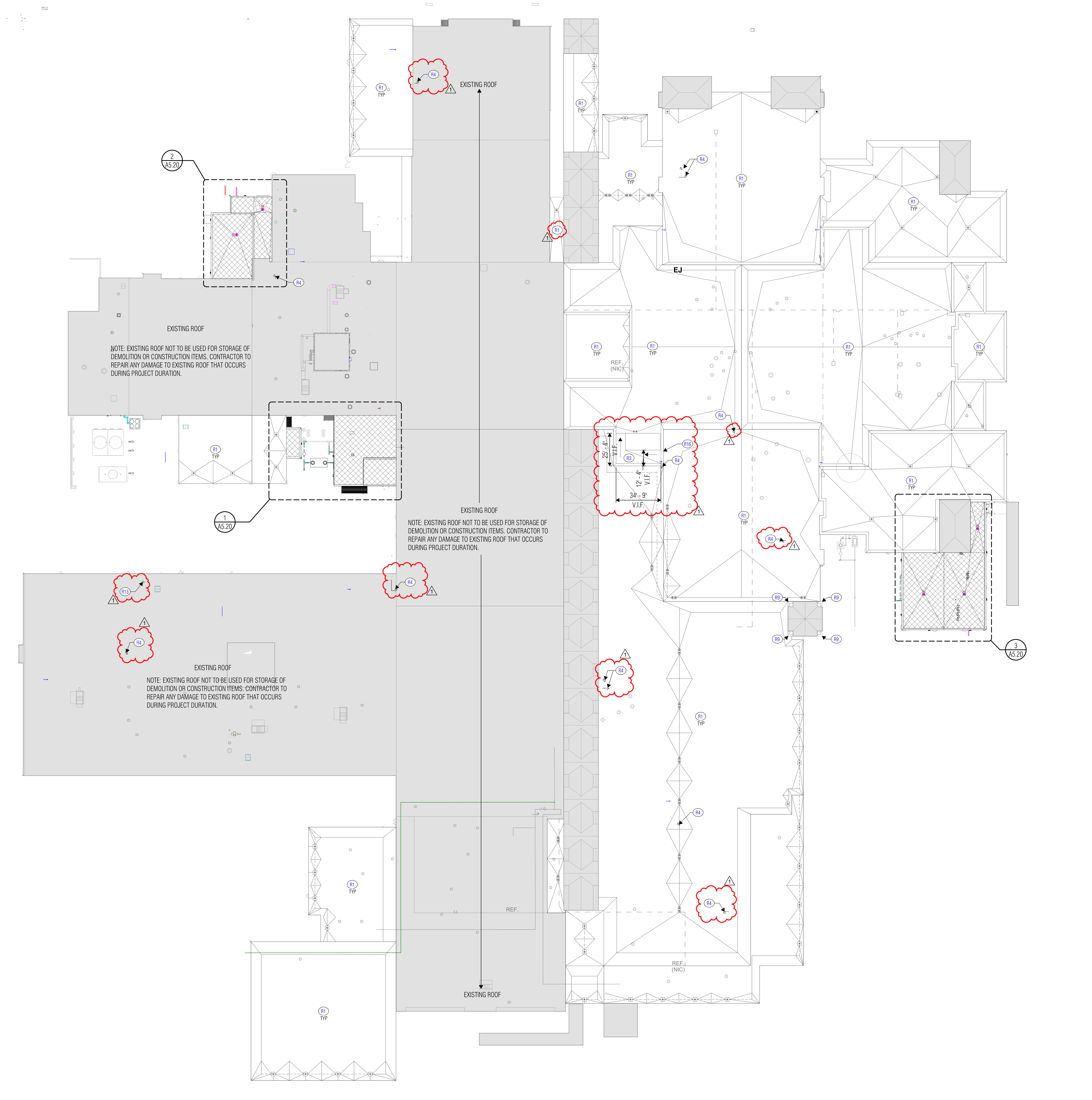
1	Addendum 2	02/06/2025

Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

PROJECT NO.
23-148.00

SHEET TITLE
ROOF DEMO PLAN

SHEET NO.
A5.01



1 OVERALL ROOF PLAN
SCALE: 1/32" = 1'-0"

ROOF PLAN NOTES

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3. Locate overflow scuppers per Building Elevations. If conflicts occur, contact Architect prior to construction.
4. Provide roof walkway protection at base of all roof ladders, around all sides of roof hatches, on all sides of rooftop units and condensing units, and on paths leading from roof access points to rooftop units and condensing units, whether indicated on drawings or not.
5. Provide layer of roof walkway protection under all pipe and conduit supports, fully-adhered to roof membrane.
6. Provide additional layer of single-ply roof membrane at the discharge point of downspouts, where splash pans are not provided.
7. Provide metal end closure at the ends of expansion joints, flashings and counterflashings.
8. Paint all exposed galvanized metal flashings, miscellaneous steel, piping, conduits, etc. that are not prefinished.

ROOF PLAN LEGEND

BUR	BUILT-UP BITUMINOUS ROOFING
SPM	SINGLE-PLY MEMBRANE ROOFING
MBM	MODIFIED BITUMINOUS MEMBRANE ROOFING
CTES	COAL-TAR PITCH ELASTOMERIC SHEET ROOFING
MRP	PREFINISHED METAL ROOF PANELS
T.O.M.	TOP OF MASONRY ELEVATION
T.O.D.	TOP OF DECK ELEVATION
T.O.S.	TOP OF STEEL ELEVATION
RD	ROOF DRAIN, REF. 19 / A8.01
OD	OVERFLOW DRAIN WITH DOWNSPOUT NOZZLE, REF.
OS	OVERFLOW SCUPPER, REF. _/A_.__
DS	DOWNSPOUT, REF. _/A_.__
DSC	DOWNSPOUT WITH SCUPPER AND CONDUCTOR HEAD, REF._/A_.__
SB	SPLASH BLOCK, CONCRETE, REF. 14 / A4.10
SP	SPLASH PAN, REF. 4 / A5.33
MC	MANUFACTURED COPING, REF. 6 / A5.32
RL	ROOF LADDER, REF. 5 / A5.32
RTU	ROOFTOP UNIT, REF. MECHANICAL & _/A_.__
CU	CONDENSING UNIT, REF. FOOD SERVICE, M.E.P. & _/A_.__
GP	GAS PIPE PENETRATION, REF. - / ---
RV	RELIEF VENT, REF. M.E.P.
EF	EXHAUST FAN, REF. M.E.P.

ROOF PLAN LEGEND

ROOF TO BE RECAPPED. REF SHEET A5.31 FOR DETAILS.

EXISTING ROOF TO REMAIN. PROTECT IN PLACE THROUGHOUT CONSTRUCTION.

NEW ROOF. REF SHEET A5.31 FOR DETAILS.

KEYED NOTES

R1	PROVIDE NEW BASE AND CAP SHEET OVER EXISTING ROOF AS SHOWN. MAINTAIN POSITIVE DRAINAGE TO EXISTING ROOF DRAINS AND DOWNSPOUTS. CONTRACTOR TO PROVIDE NEW ROOF OVER ANY ABANDONDED PENETRATIONS. CONTRACTOR SHALL PROTECT ALL EQUIPMENT SHOWN AS EXISTING TO REMAIN. PROVIDE NEW S.S. FLASHING AT ALL CURBS, PIPE PENETRATIONS, AND JOINTS. PROVIDE NEW S.S. COPING.
R3	ADD ROOF CRICKETS TO PROVIDE DRAINAGE AROUND EXISTING EQUIPMENT AND CURBS.
R4	INSTALL STAINLESS STEEL TUBES, ANCHORED TO STRUCTURE. COORDINATE LOCATIONS WITH NEW MINI-SPLIT CONDENSOR LOCATIONS. REINFORCE JOISTS AS AS NOTED ON STRUCTURAL DRAWINGS.
R9	PROVIDE STAINLESS STEEL METAL COPING OVER EXISTING CAST STONE CAP. SECURE WITH MASTIC SEALANT. PROVIDE NEW ROOFING PLY AT CORNER WELLS.
R13	NEW EXHAUST FROM PAINTBOOTH. ATTACH GUIDE WIRE PER MANUFACTURER'S REQUIMENTS. COORDINATE WITH ROOFING MANUFACTURER TO ENSURE ROOFING WARRANTY IS NOT VOIDED.
R16	REBUILD EXISTING EXPANSION JOINT TO CAPTURE NEW ROOF CRICKET.

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

2024 Cy-Creek HS Renovation

REGISTERED ARCHITECT STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

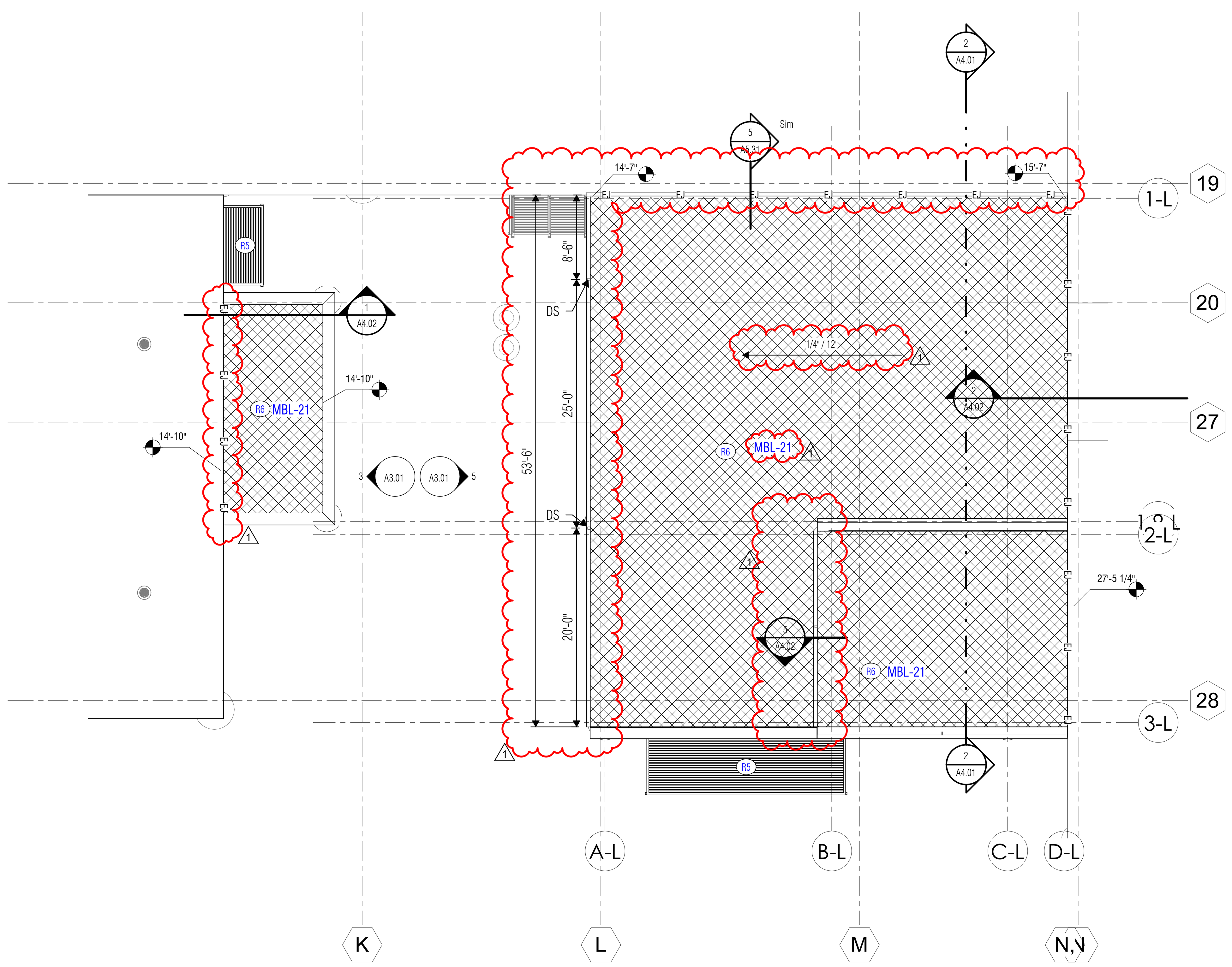
Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director: RSJ
Drawn By: TQ, BW, DG
Designer: BE
Quality Control
Proj. Arch.: TQ

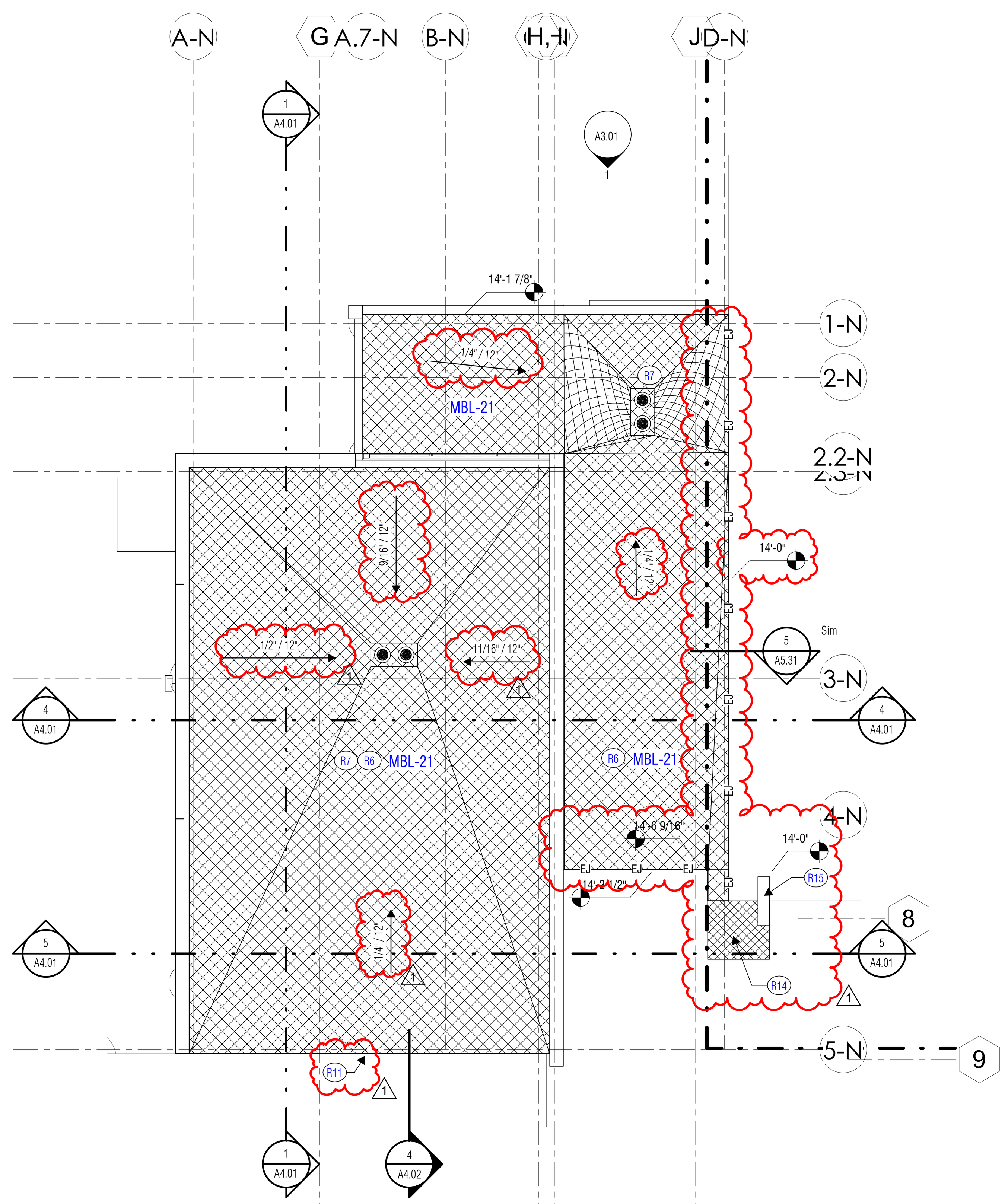
PROJECT NO.
23-148.00

SHEET TITLE
OVERALL ROOF PLAN

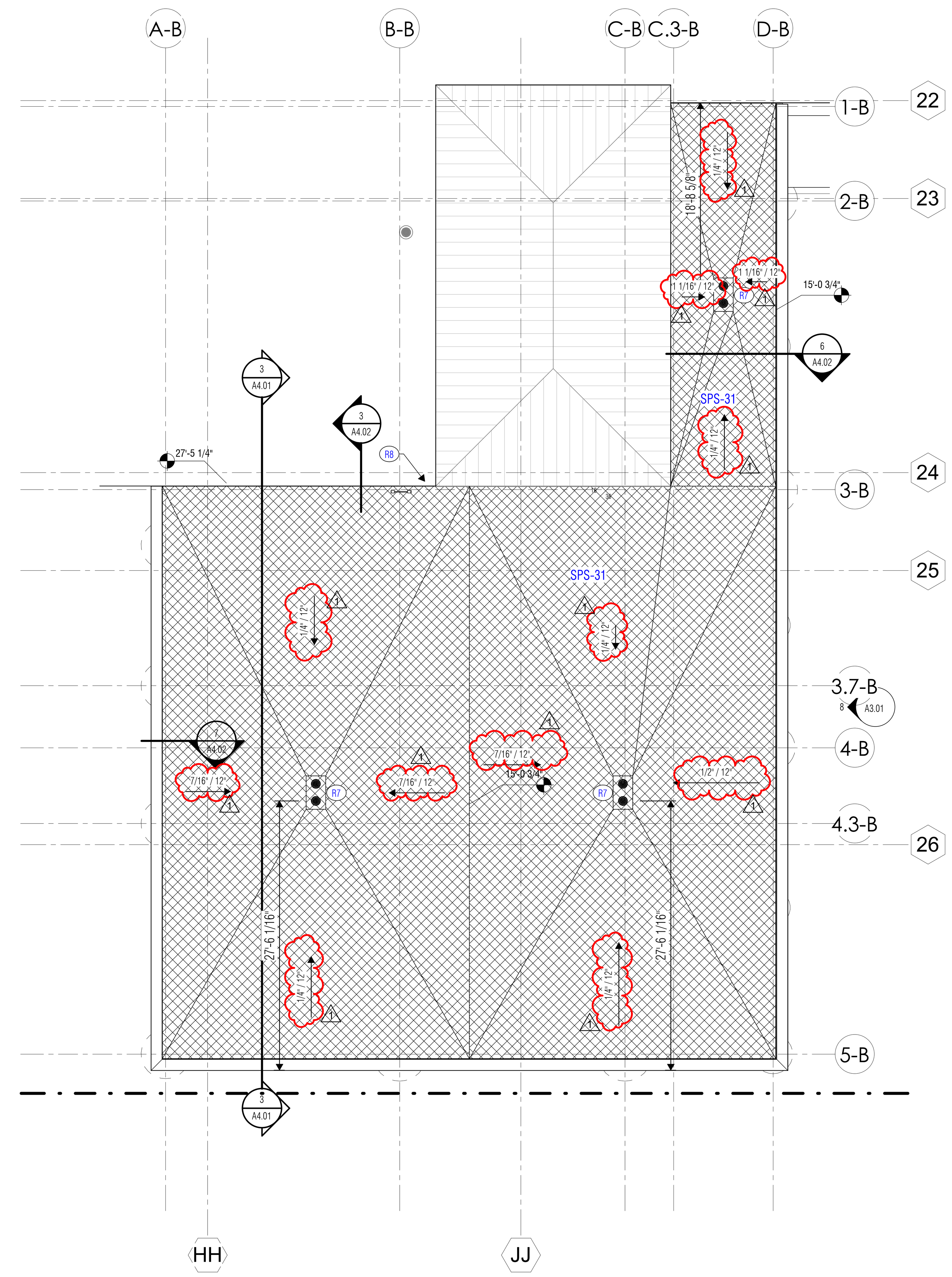
SHEET NO.
A5.10



1 ENL ROOF PLAN - FOOD SERVICE & ORCH
SCALE: 1/8" = 1'-0"



2 ROOF PLAN - REHEARSAL HALL
SCALE: 1/8" = 1'-0"



3 ENL ROOF PLAN - ART ROOM
SCALE: 1/8" = 1'-0"

ROOF PLAN NOTES

1. Provide tapered insulation crickets at the high side of all rooftop curbs, mounting rails, and other miscellaneous roof penetrations as required to shed water around them and to ensure positive roof drainage, whether indicated on the drawings or not.
2. Crickets shall slope 1/2" per foot, unless noted otherwise.
3. Locate overflow scuppers per Building Elevations. If conflicts occur, contact Architect prior to construction.
4. Provide roof walkway protection at base of all roof ladders, around all sides of roof hatches, on all sides of rooftop units and condensing units, and on paths leading from roof access points to rooftop units and condensing units, whether indicated on drawings or not.
5. Provide layer of roof walkway protection under all pipe and conduit supports, fully-adhered to roof membrane.
6. Provide additional layer of single-ply roof membrane at the discharge point of downspouts, where splash pans are not provided.
7. Provide metal end closure at the ends of expansion joints, flashings and counterflashings.
8. Paint all exposed galvanized metal flashings, miscellaneous steel, piping, conduits, etc. that are not prefinished.

ROOF PLAN LEGEND

BUR	BUILT-UP BITUMINOUS ROOFING
SPM	SINGLE-PLY MEMBRANE ROOFING
MBM	MODIFIED BITUMINOUS MEMBRANE ROOFING
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DS	DOWNSPOUT, REF. _/A_.__
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SP	SPLASH PAN, REF. 4 / A5.33
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GP	GAS PIPE PENETRATION, REF. - / ---
RV	RELIEF VENT, REF. M.E.P.
EF	EXHAUST FAN, REF. M.E.P.

ROOF PLAN LEGEND

ROOF TO BE RECAPPED. REF SHEET A5.31 FOR DETAILS.

EXISTING ROOF TO REMAIN. PROTECT IN PLACE THROUGHOUT CONSTRUCTION.

NEW ROOF. REF SHEET A5.31 FOR DETAILS.

KEYED NOTES

R5	NEW PREENGINEERED CANOPY. RE: WALL SECTION AND STRUCTURAL DRAWINGS
R6	NEW 2-PLY MOD. BIT ROOF OVER LIGHTWEIGH CONCRETE AND VENTED STEEL
R7	PRIMARY AND OVERFLOW ROOF DRAINS. RE: ROOF DETAIL AND PLUMBING.
R8	PROVIDE CONTINUOUS ROOF EDGE. RE: ROOF DETAILS.
R11	PATCH AND INFILL ROOF TO MATCH ADJACENT TO CAP DOWNSPOUT.
R14	REBUILD ROOF TO SLOPE TOWARDS NEW DRAIN.
R15	REBUILD S.S. SCUPPER THROUGH NEW EXPANSION JOINT TO ALLOW DRAINAGE FROM EXISTING ROOF.

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HOUSTON, TEXAS

REGISTERED ARCHITECT RUDOLPH STARKS JR. 24202 STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

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1	Addendum 2	02/06/2025

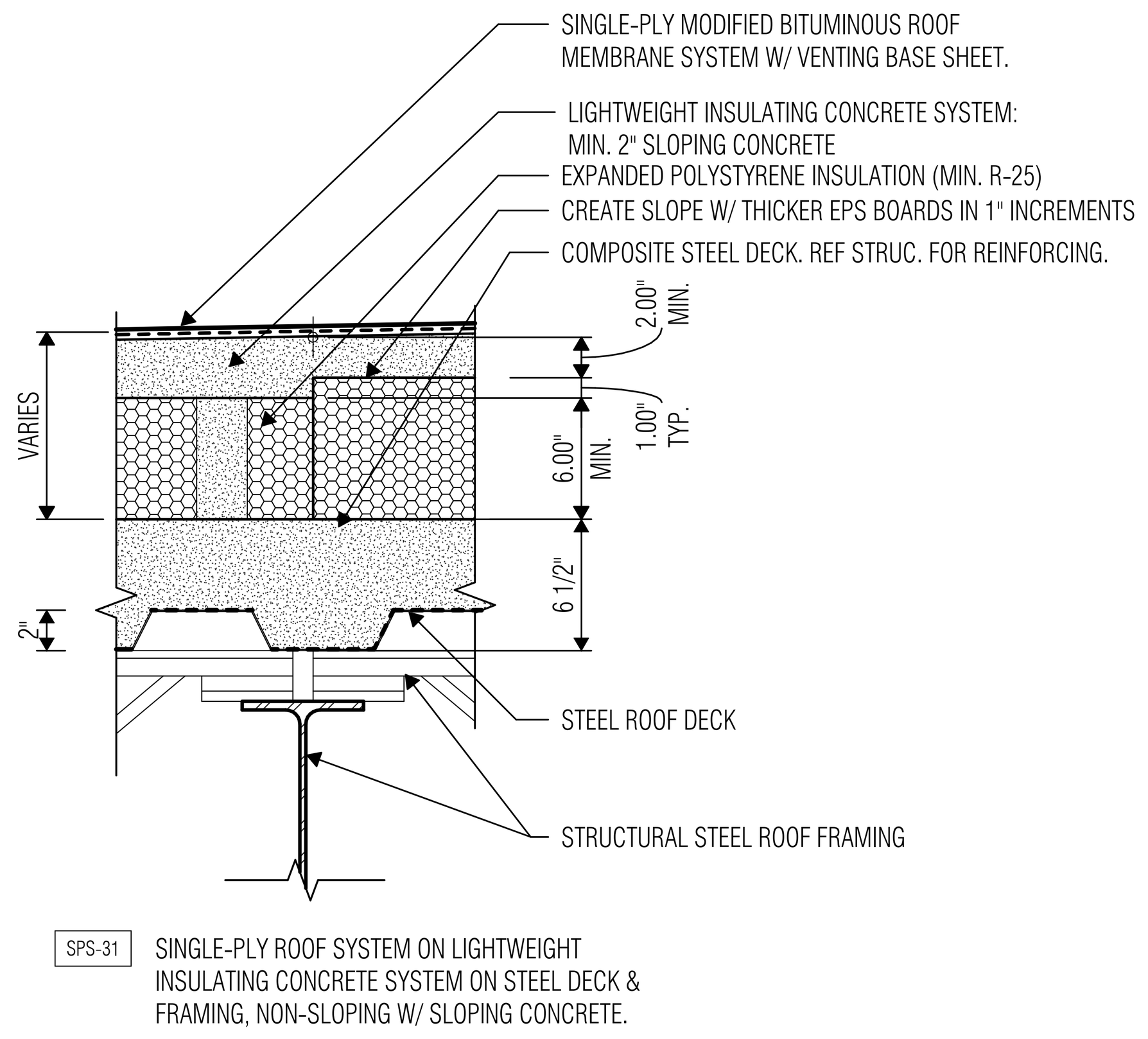
Director	Drawn By
Approver	Author
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

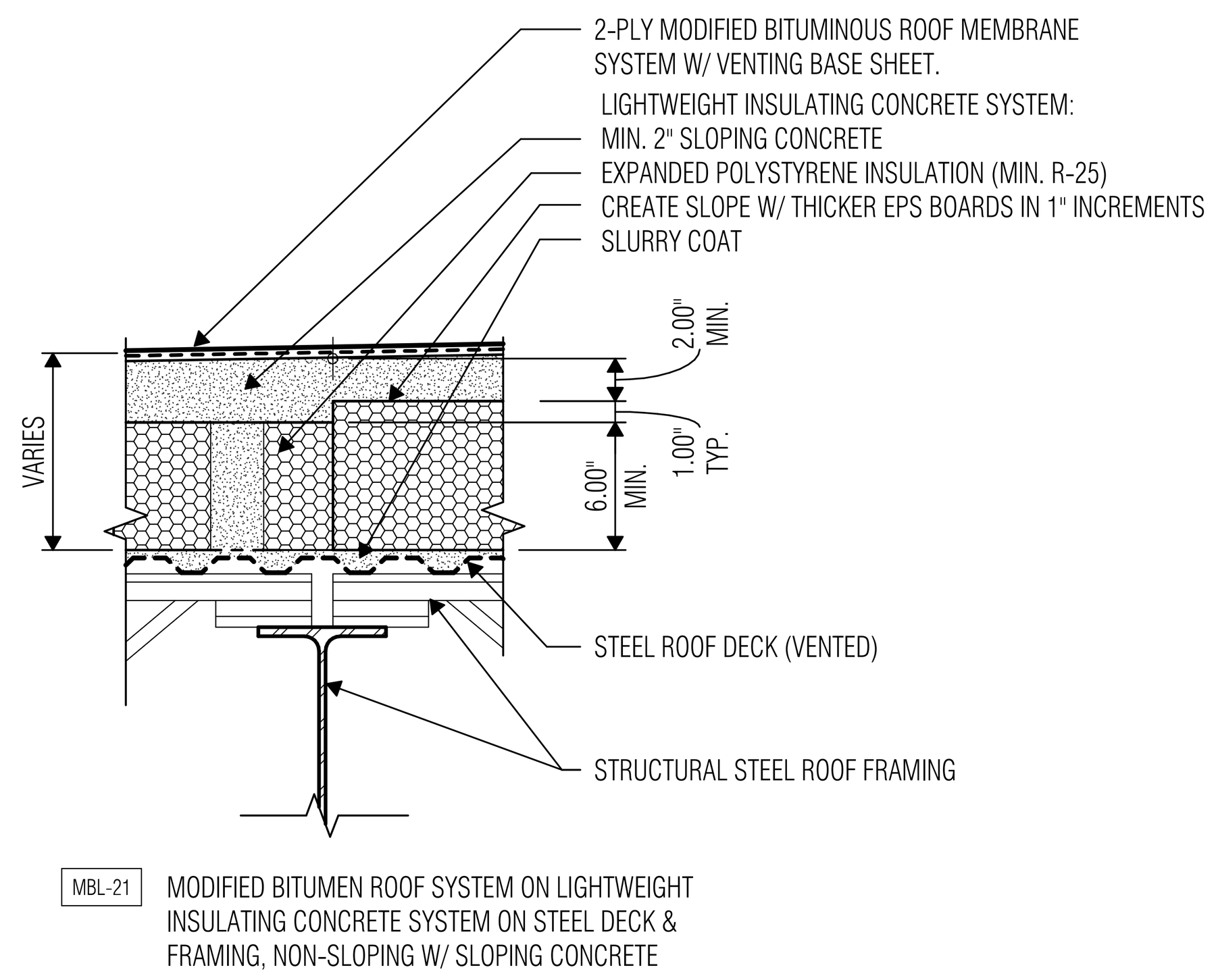
SHEET TITLE
ENLARGED ROOF PLANS

SHEET NO.
A5.20

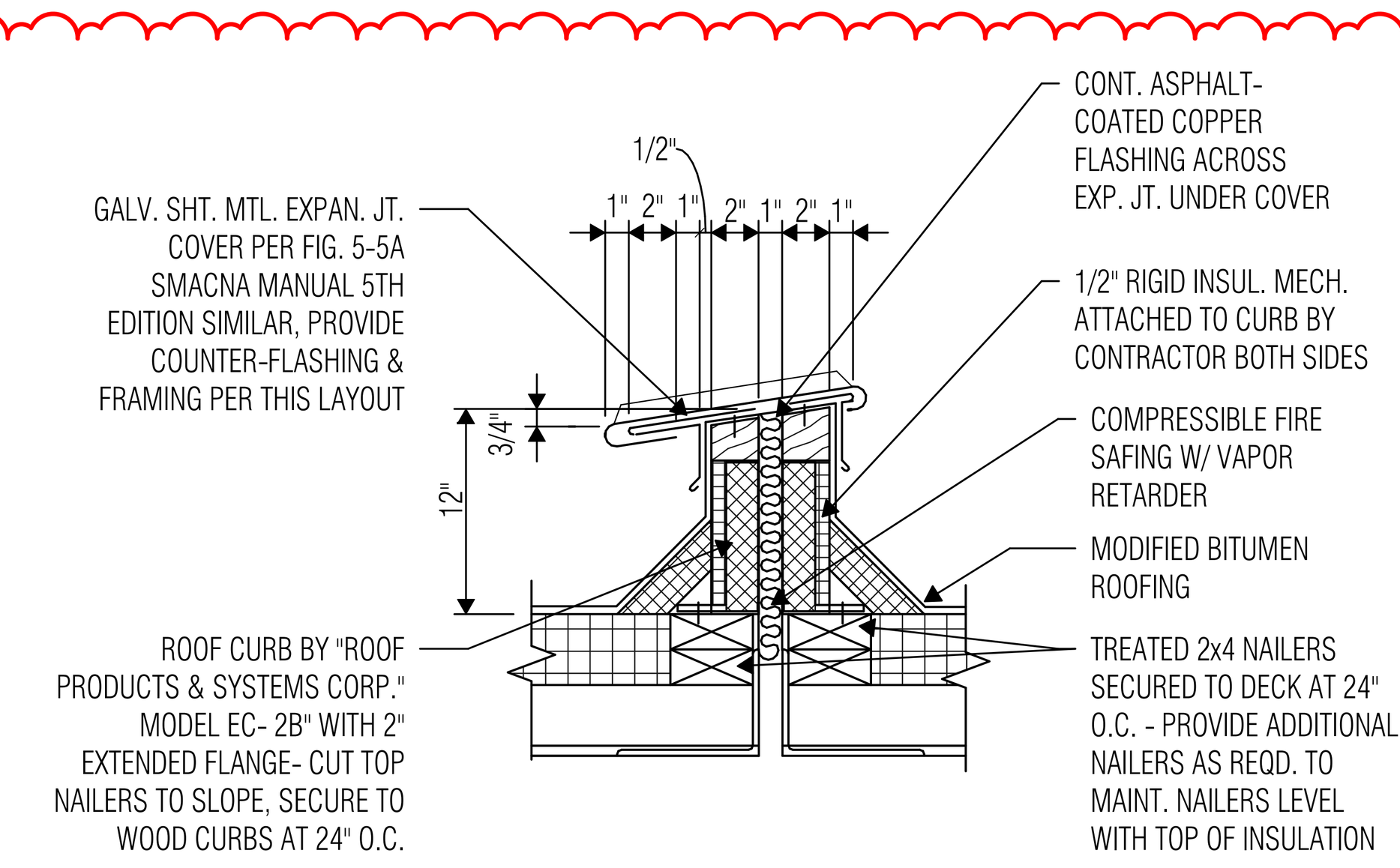
2024 Cy-Creek HS Renovation



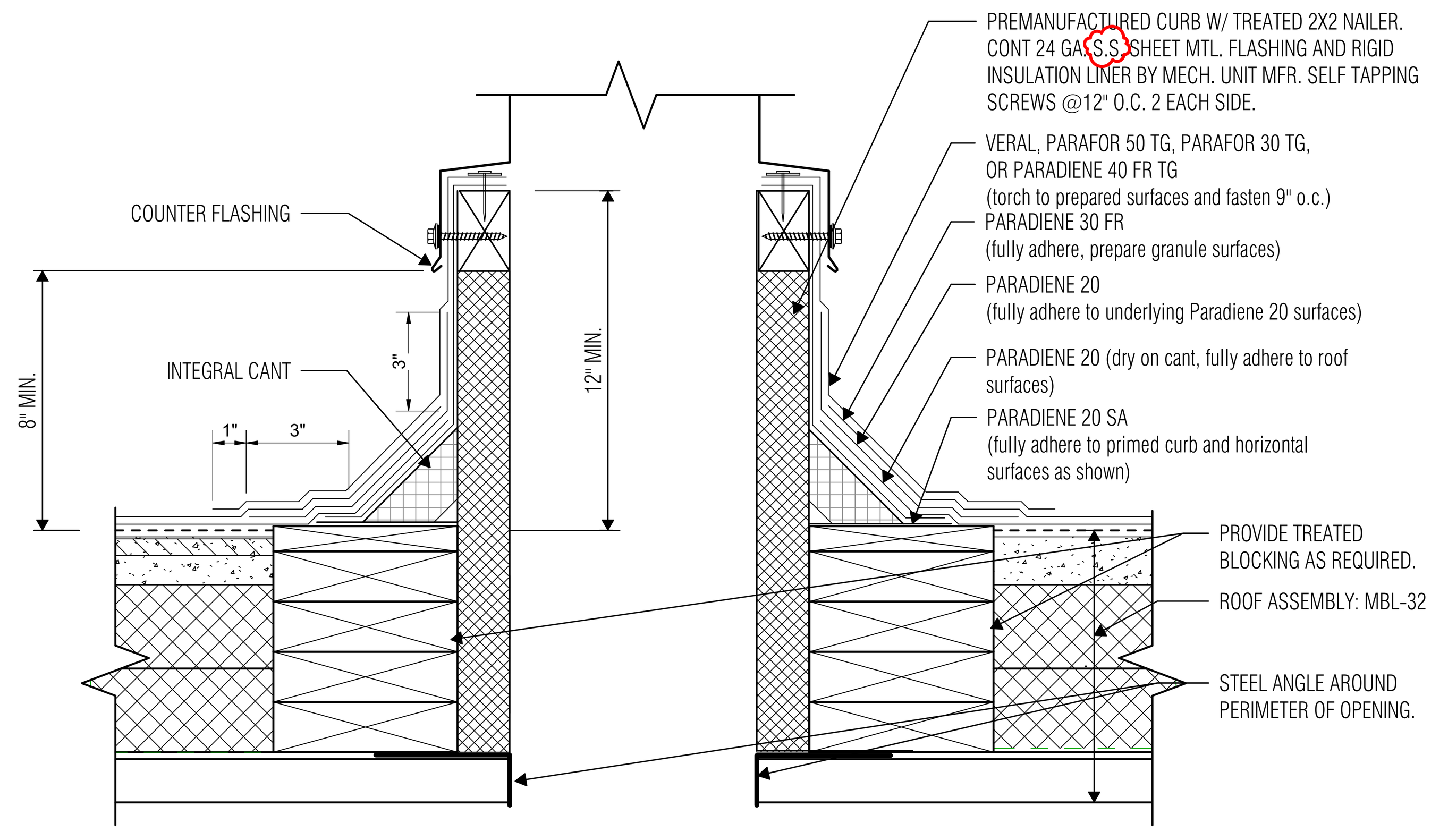
7 TYPICAL NEW ROOF ASSEMBLY DETAIL
SCALE: 1 1/2" = 1'-0"



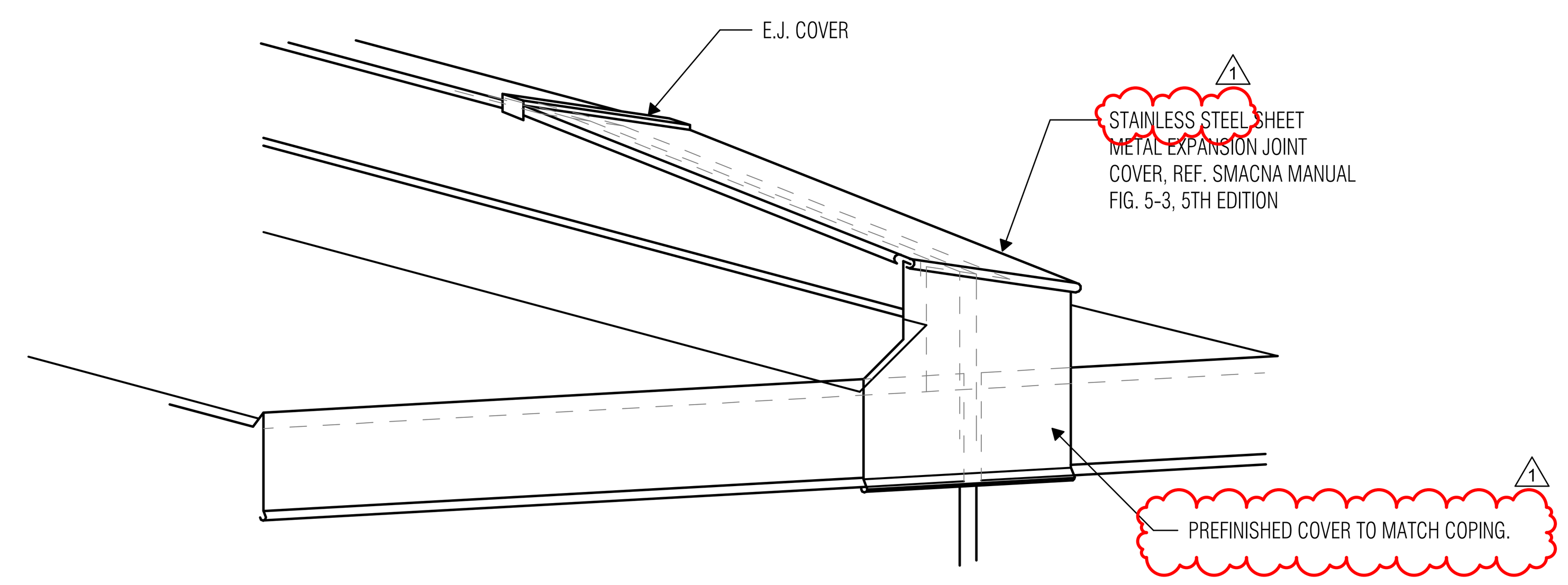
12 TYPICAL NEW ROOF ASSEMBLY DETAIL
SCALE: 1 1/2" = 1'-0"



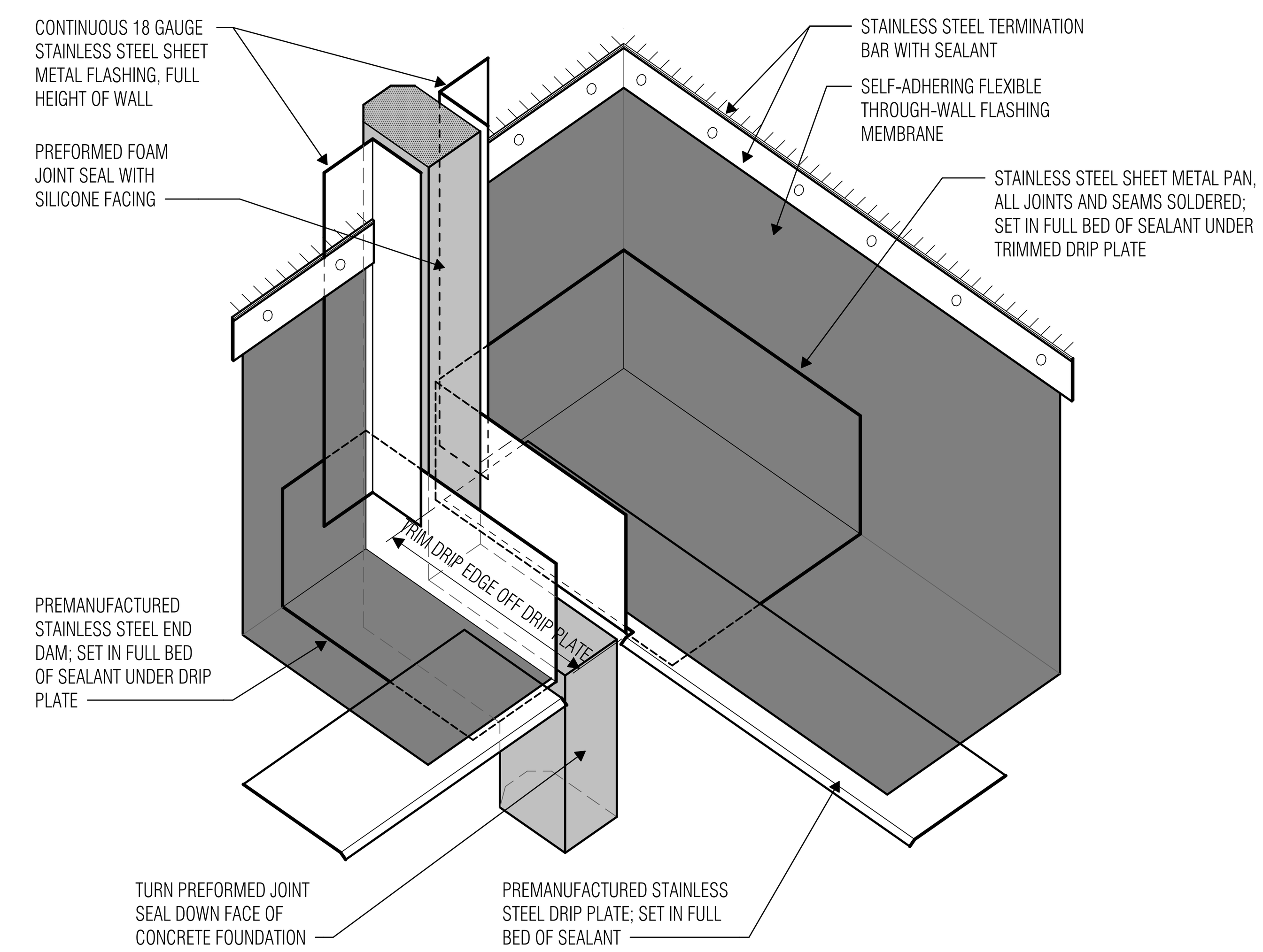
5 EXPANSION JOINT AT ROOF
SCALE: 1 1/2" = 1'-0"



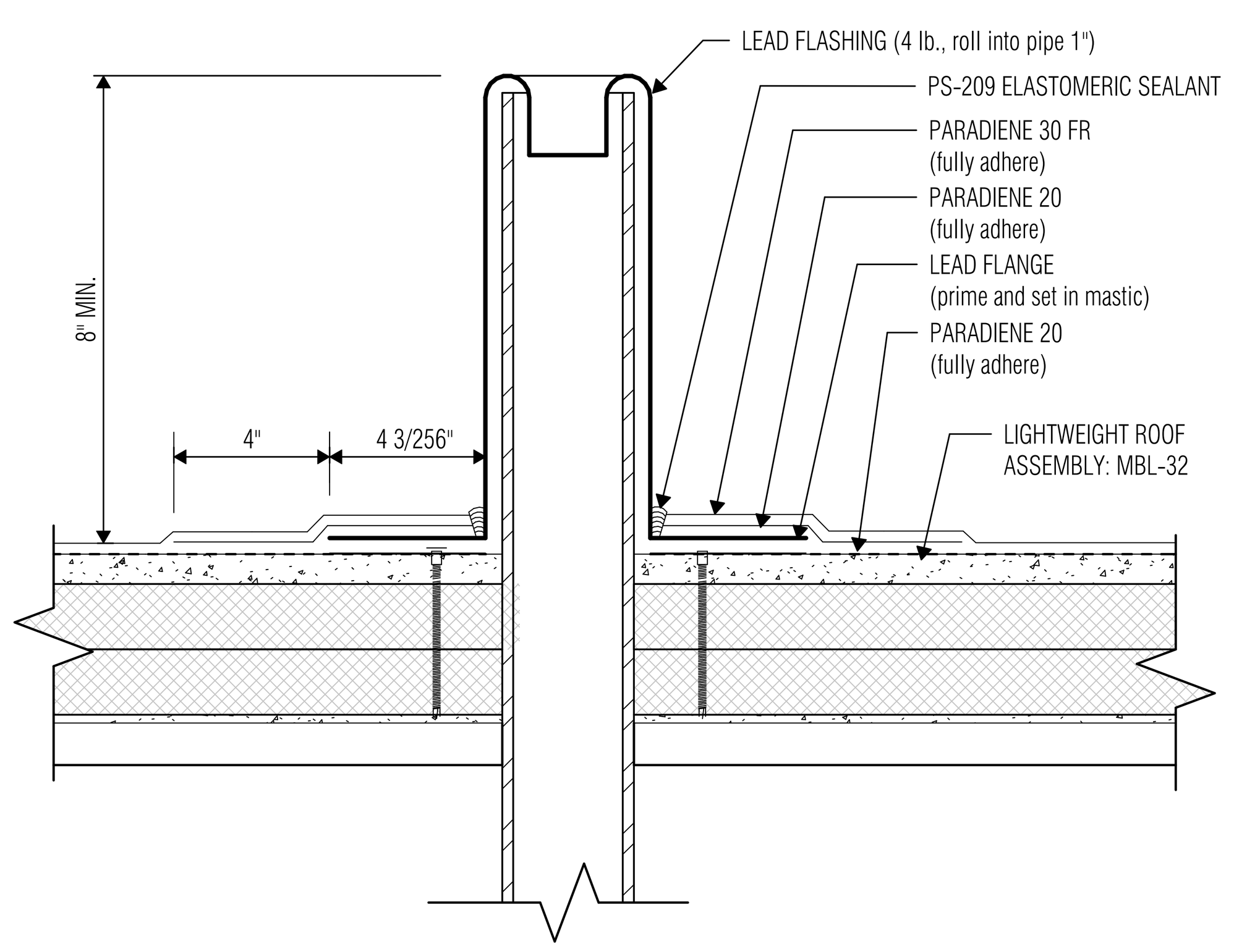
6 MECHANICAL CURB DETAIL
SCALE: 3" = 1'-0"



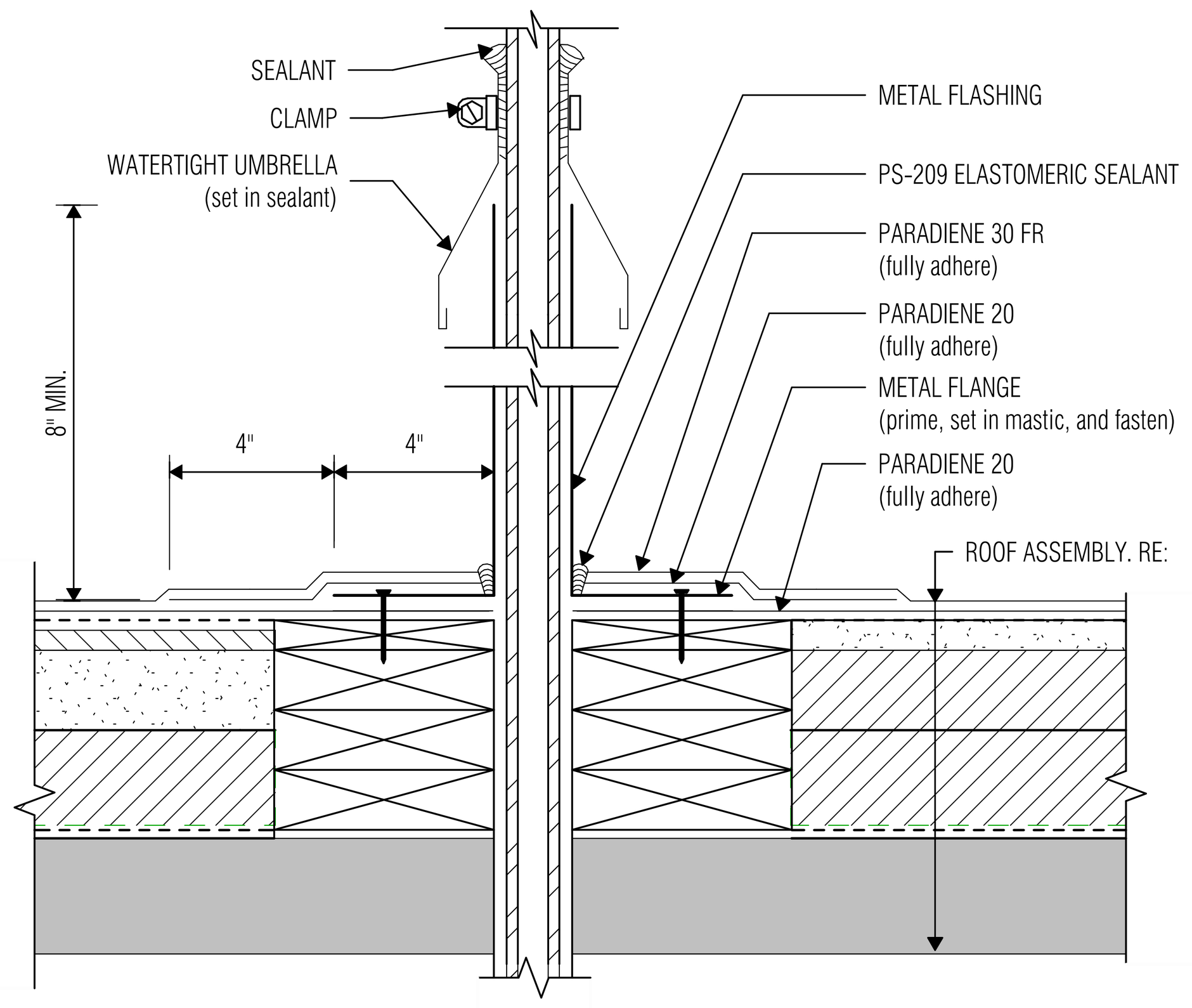
11 R828 - ROOF EXP. JOINT TERMINATION
SCALE: 1 1/2" = 1'-0"



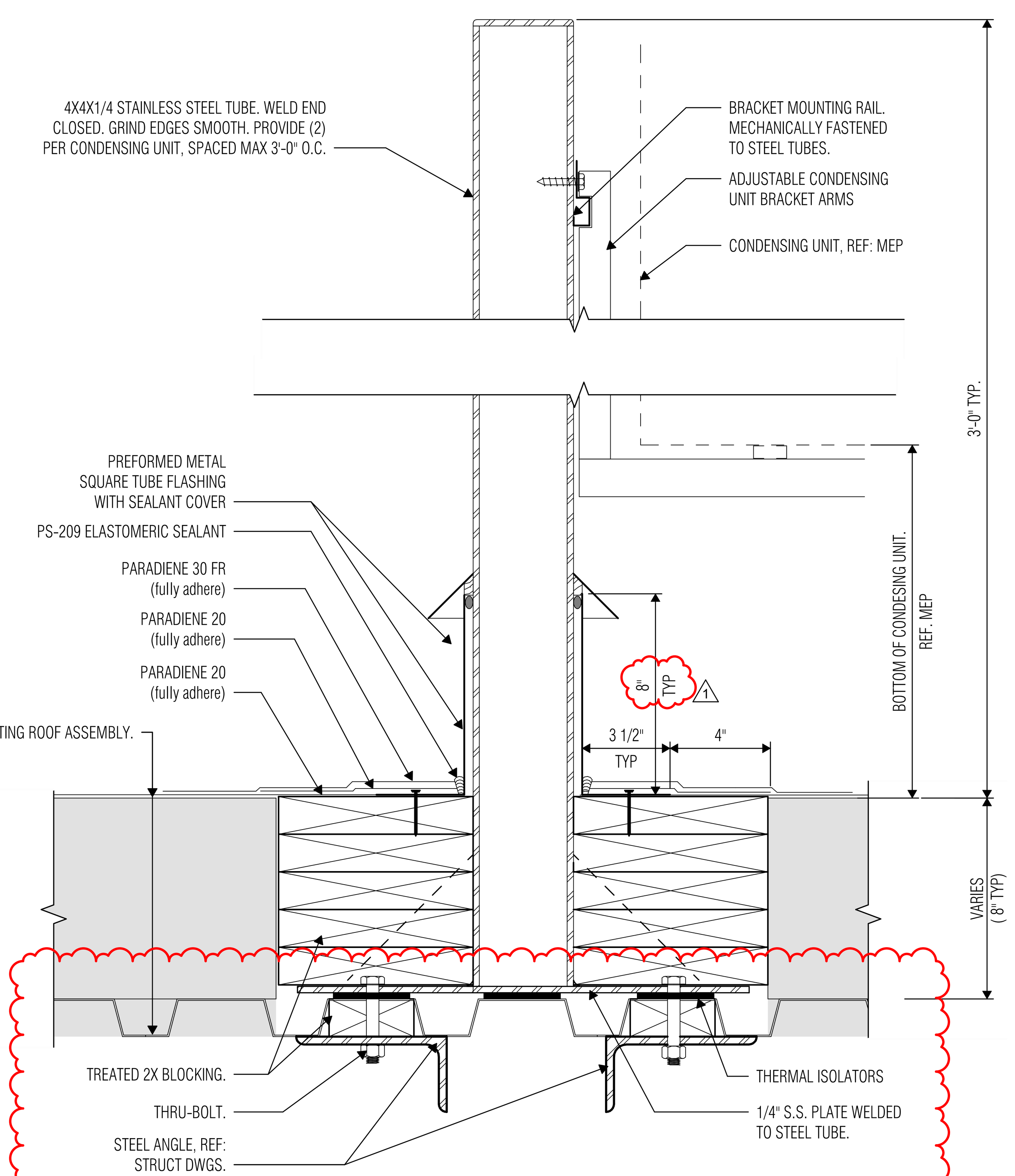
10 EXPANSION JOINT FLASHING at CORNER
SCALE: NOT TO SCALE



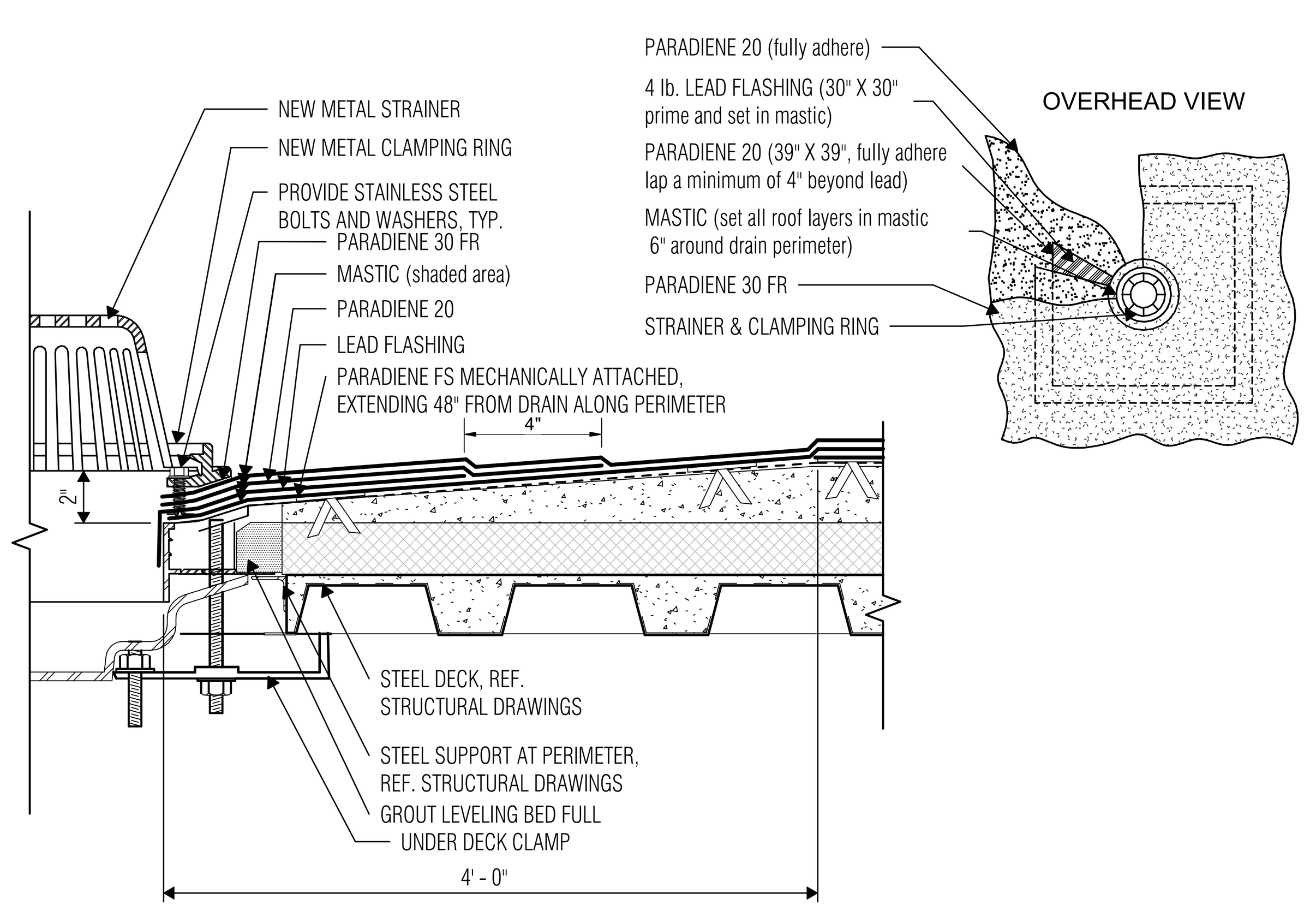
2 TYP. VENT STACK FLASHING
SCALE: 3" = 1'-0"



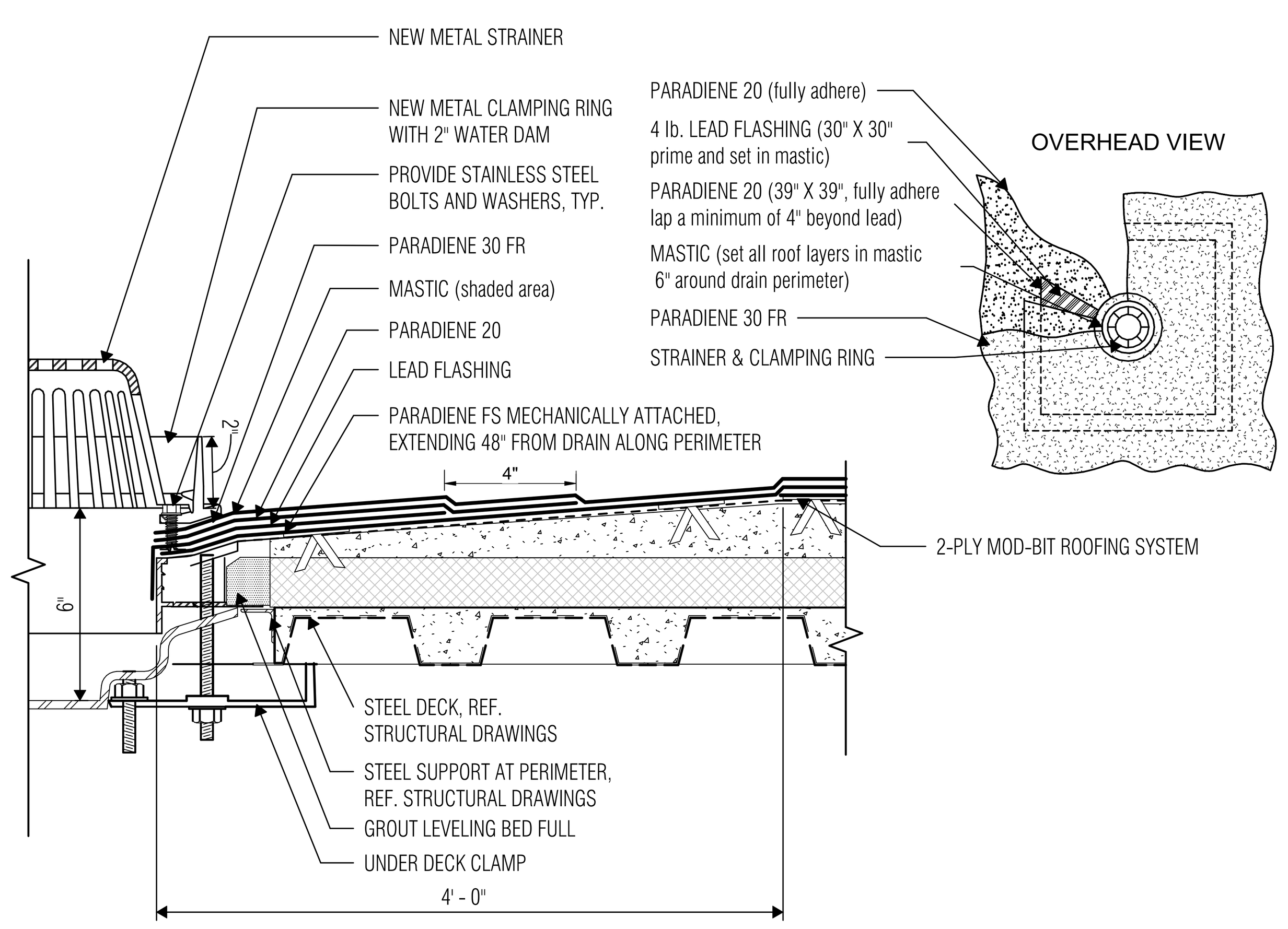
1 TYP PIPE FLASHING AT ROOF
SCALE: 3" = 1'-0"



9 ROOF-TOP CONDENSER MOUNTING
SCALE: 3" = 1'-0"



3 TYP ROOF DRAIN DETAIL
SCALE: 3" = 1'-0"



4 TYP OVERFLOW DRAIN DETAIL
SCALE: 3" = 1'-0"

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

2024 Cy-Creek HS Renovation

REGISTERED ARCHITECT · STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

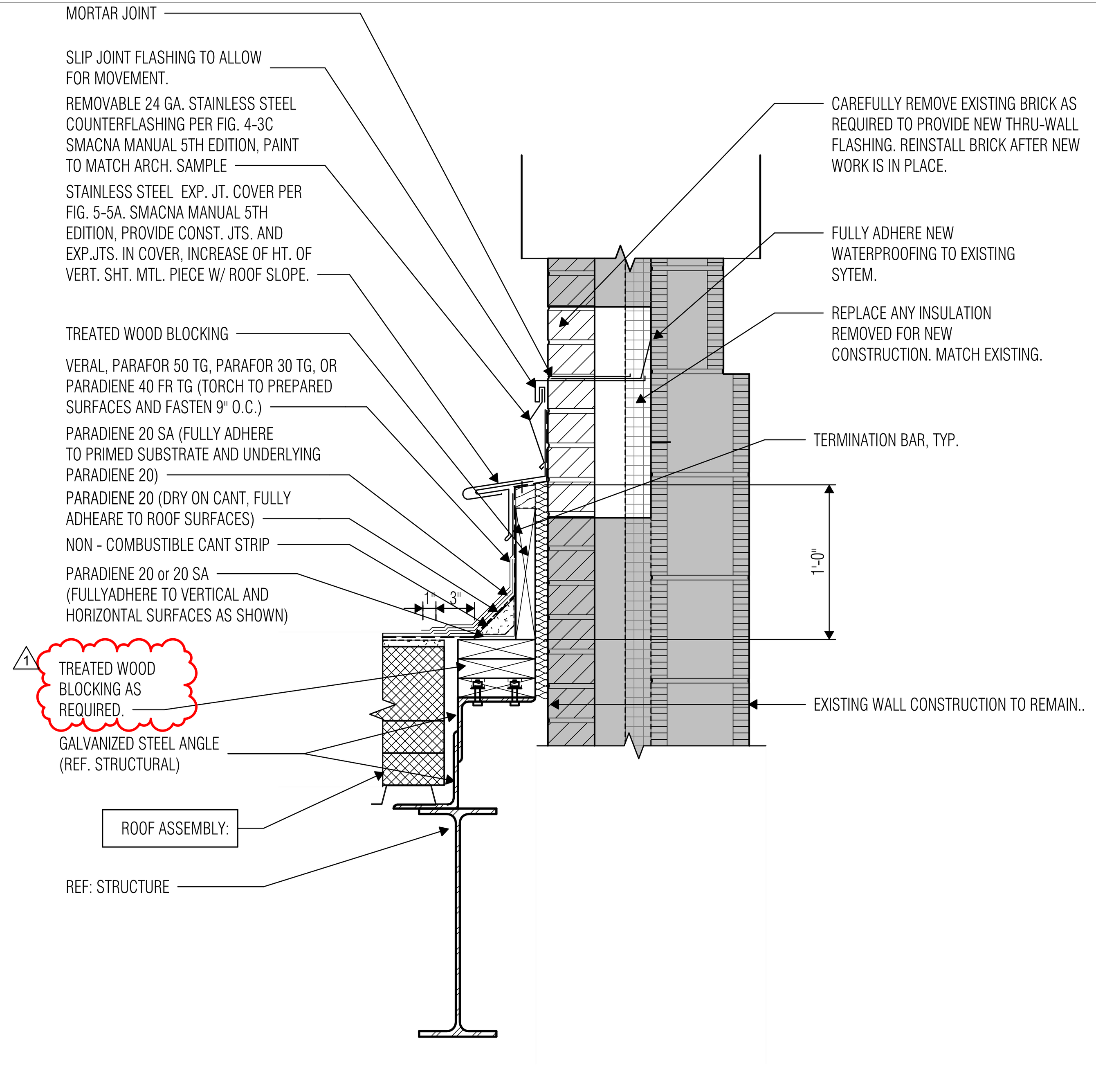
Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director: RSJ
Drawn By: TQ, BW, DG
Designer: BE
Quality Control
Proj. Arch.: TQ

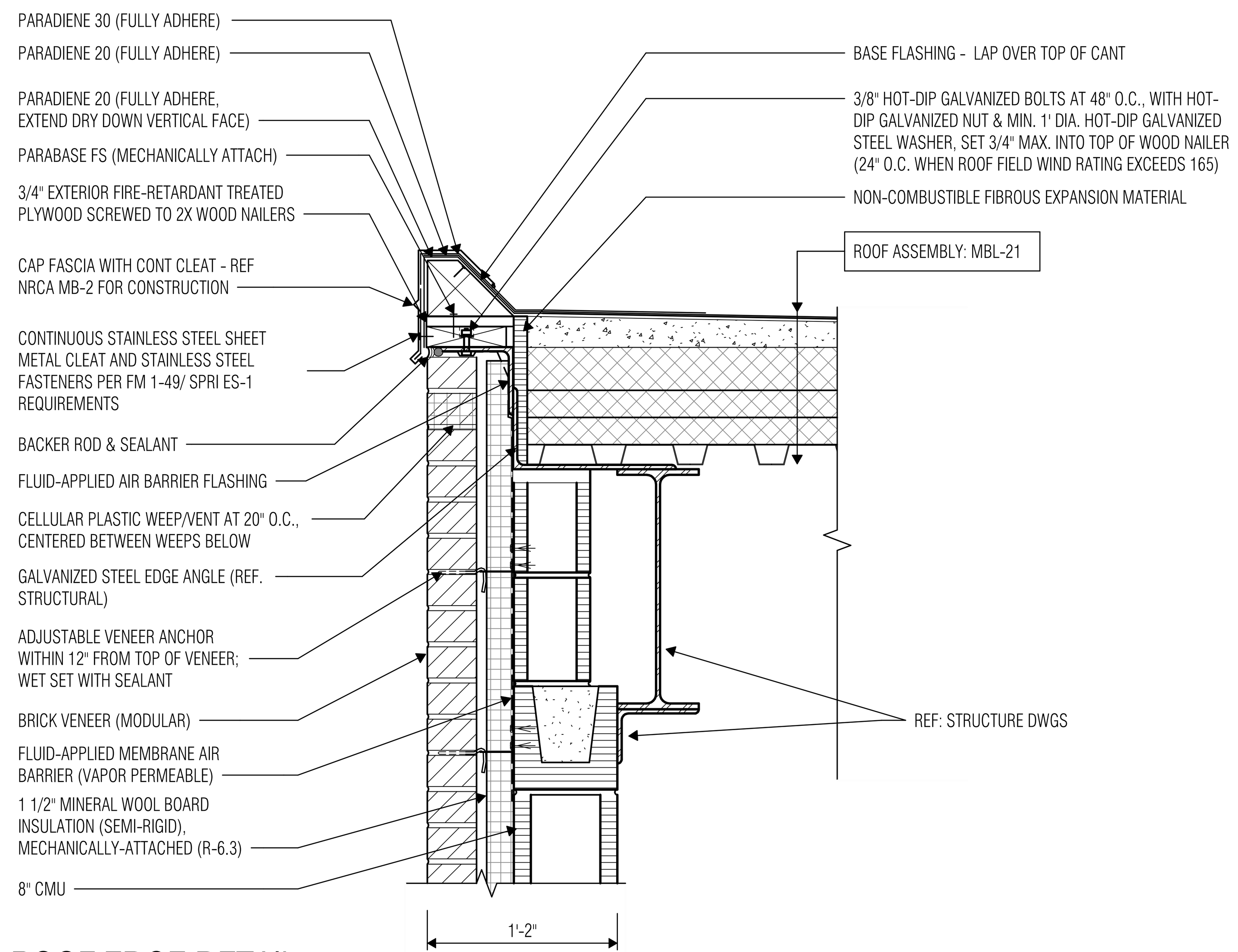
PROJECT NO.
23-148.00

SHEET TITLE
TYPICAL ROOF DETAILS

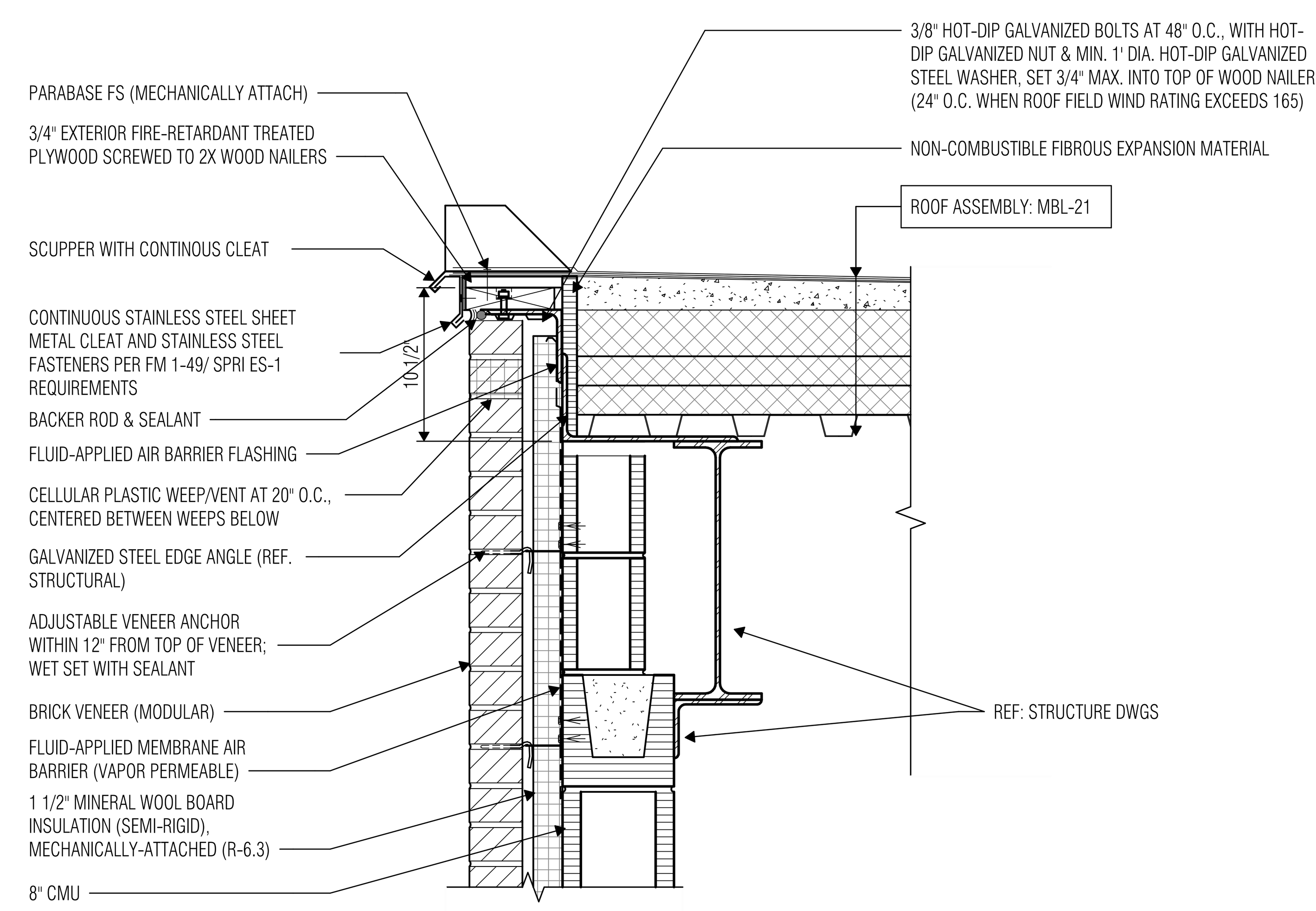
SHEET NO.
A5.31



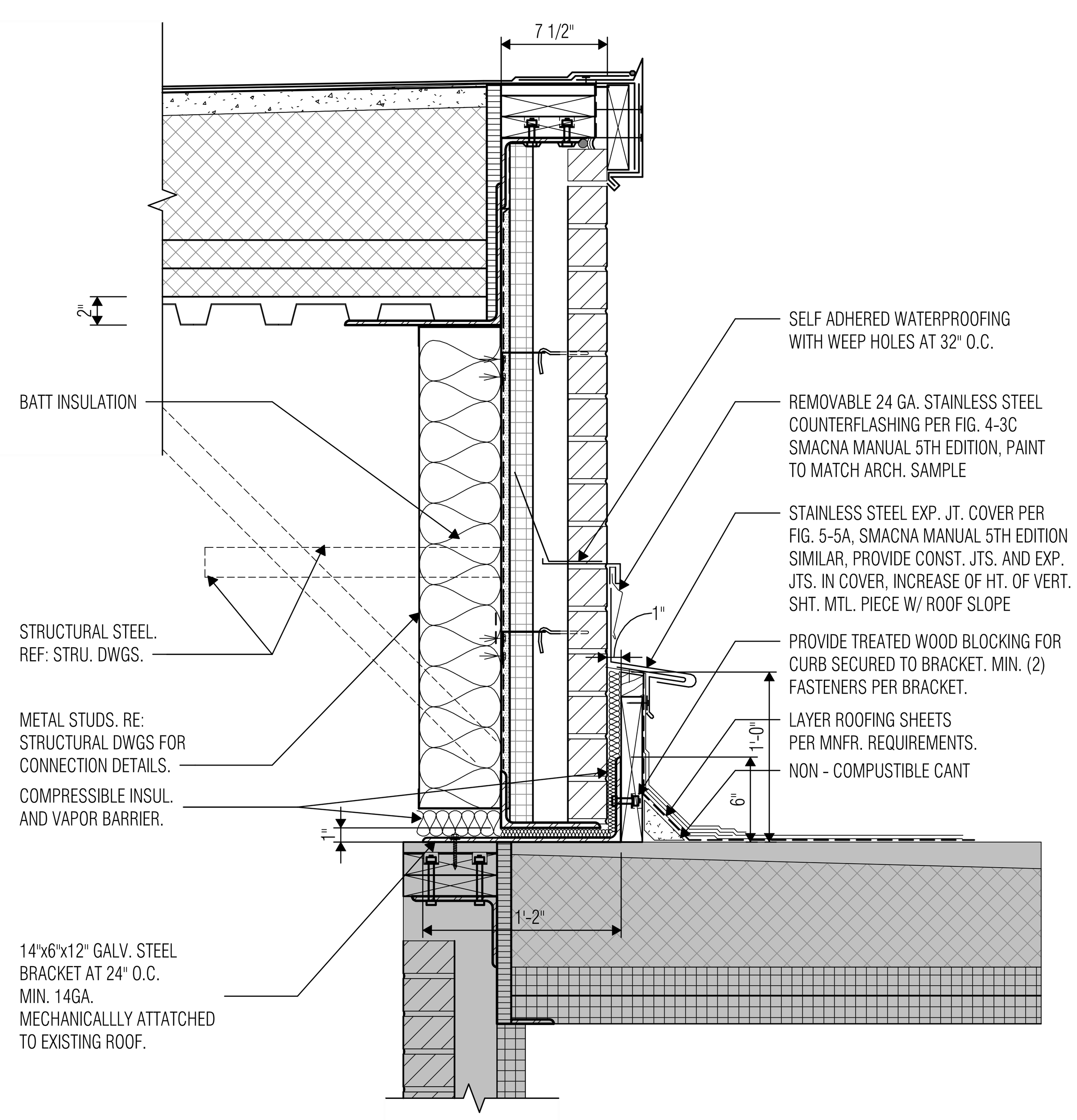
1 ROOF EXP. JOINT FLASH THRU DETAIL AT EXISTING WALL
SCALE: 1 1/2" = 1'-0"



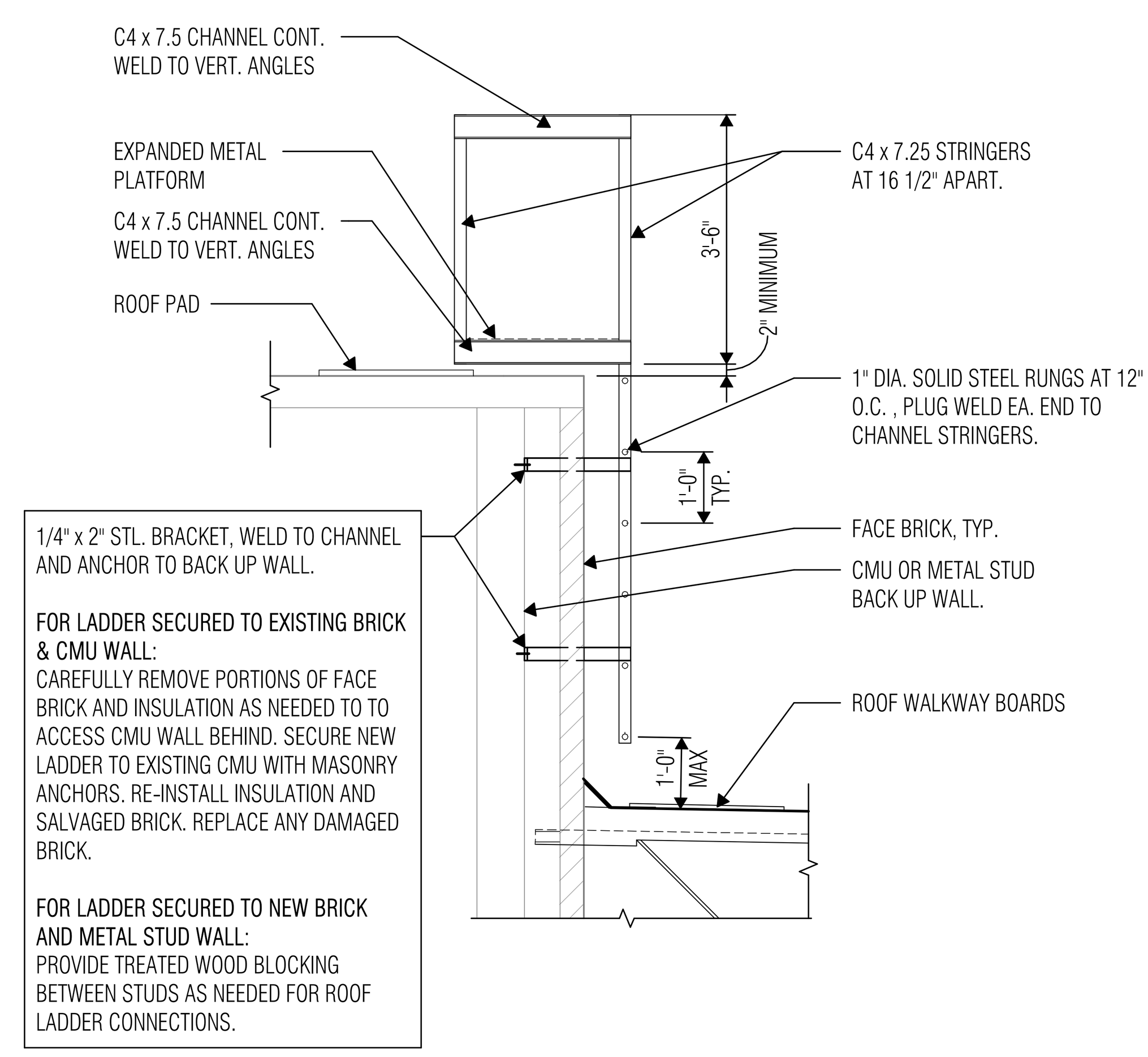
2 ROOF EDGE DETAIL
SCALE: 1 1/2" = 1'-0"



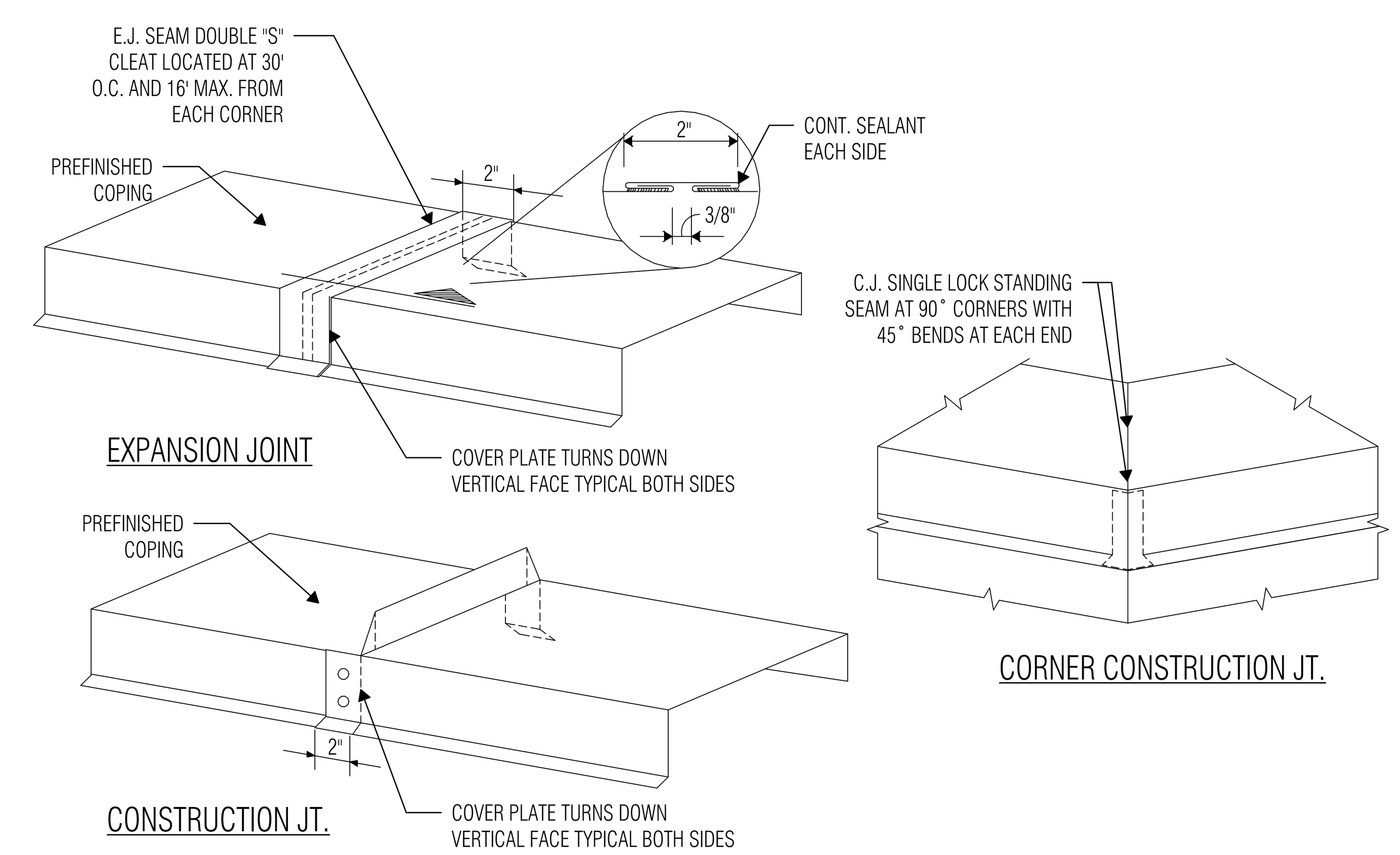
3 ROOF EDGE DETAIL SCUPPER
SCALE: 1 1/2" = 1'-0"



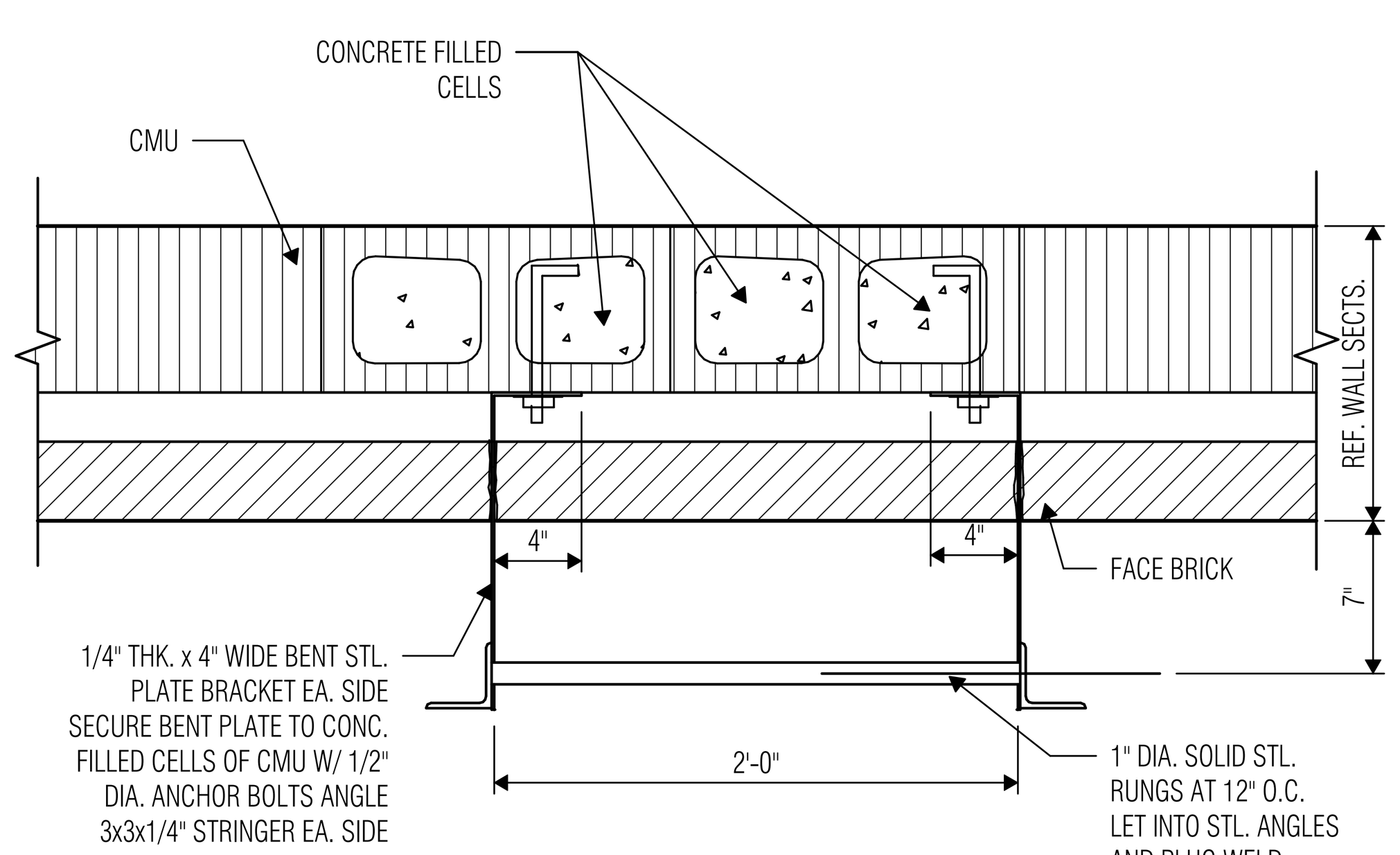
4 HIGH ROOF NEW/EXIST
SCALE: 1 1/2" = 1'-0"



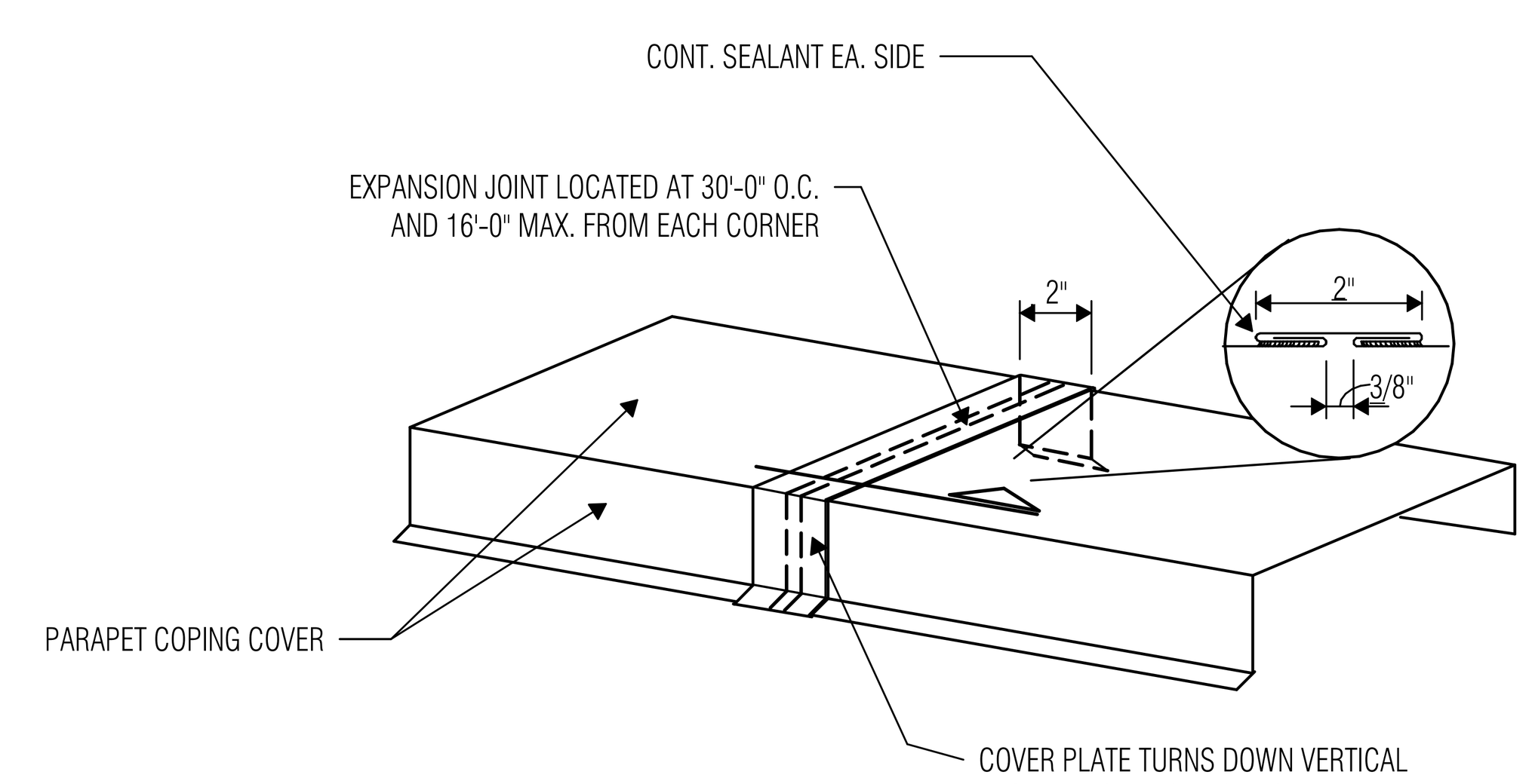
5 ROOF LADDER TYPICAL SECTION
SCALE: 1/2" = 1'-0"



6 PREFINISHED METAL COPING JOINTS_STANDING SEAM
SCALE: 1 1/2" = 1'-0"



7 R608 - EXT. ROOF LADDER PLAN_CMU_NON-CONDITIONED
SCALE: 1 1/2" = 1'-0"



8 METAL COPING EXP. JOINT_DRIVE CLEAT
SCALE: 1 1/2" = 1'-0"

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24-02-5754-R-RFP

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REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

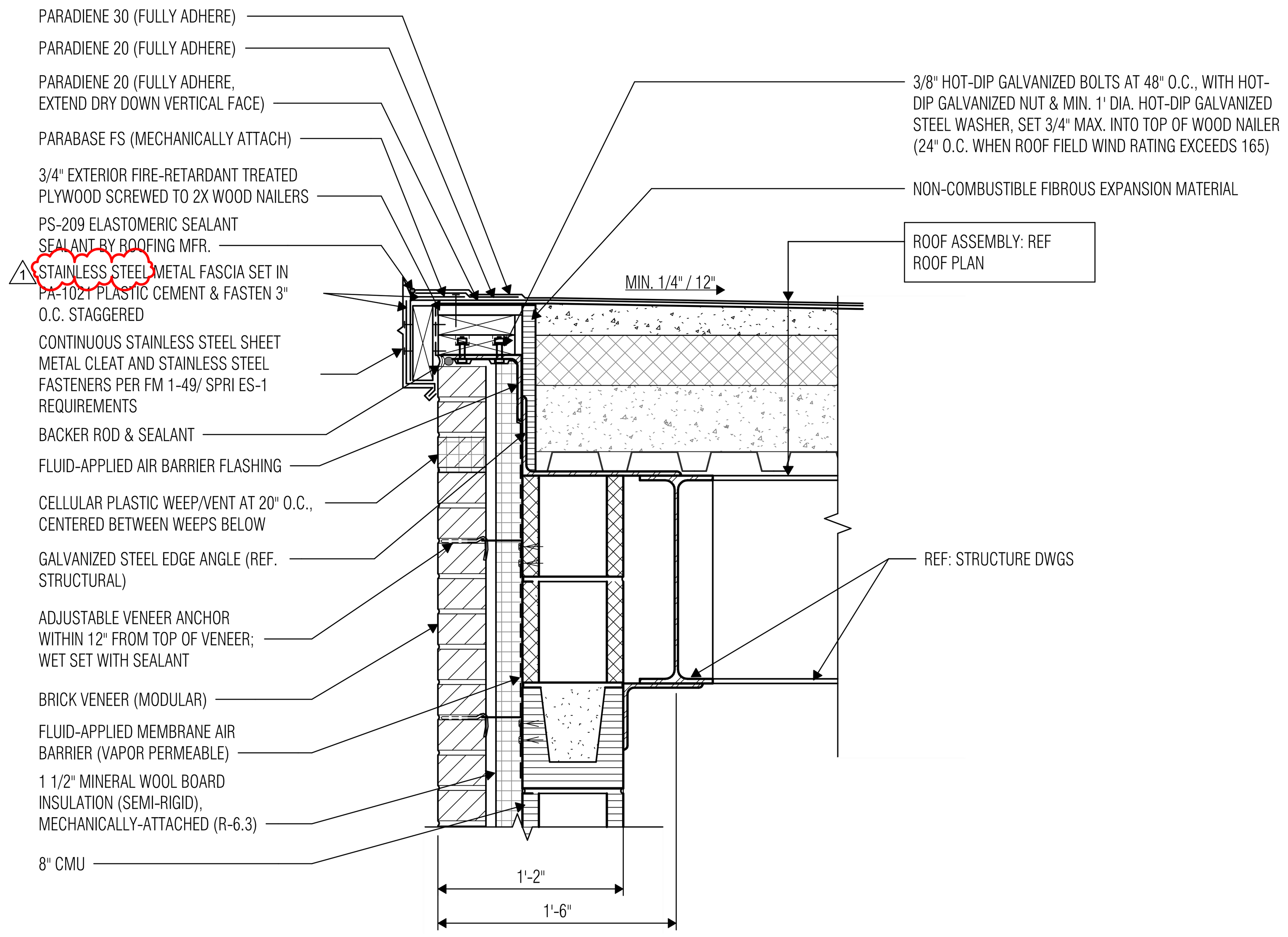
Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

PROJECT NO.
23-148.00

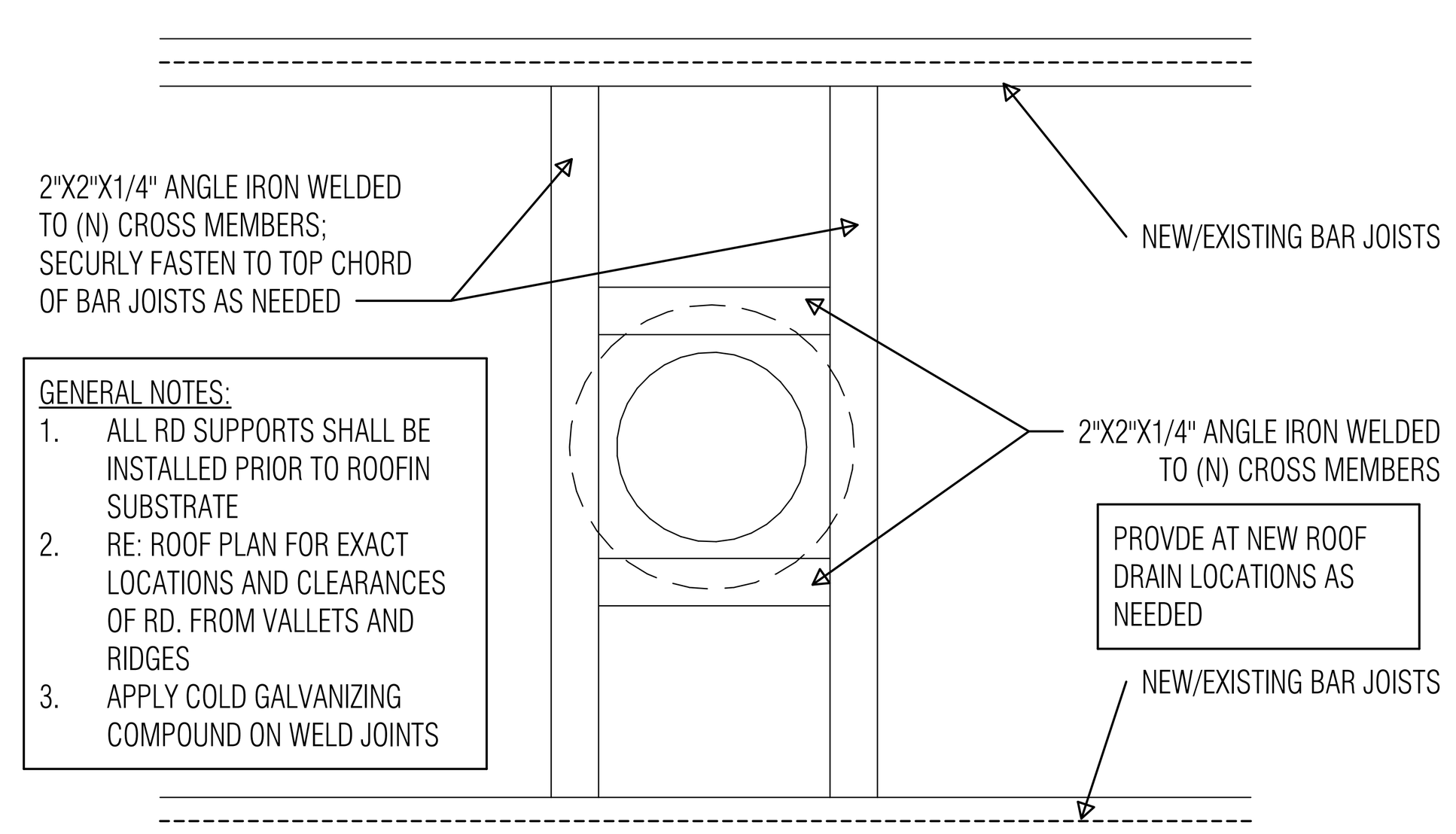
SHEET TITLE
ROOF DETAILS

SHEET NO.
A5.32

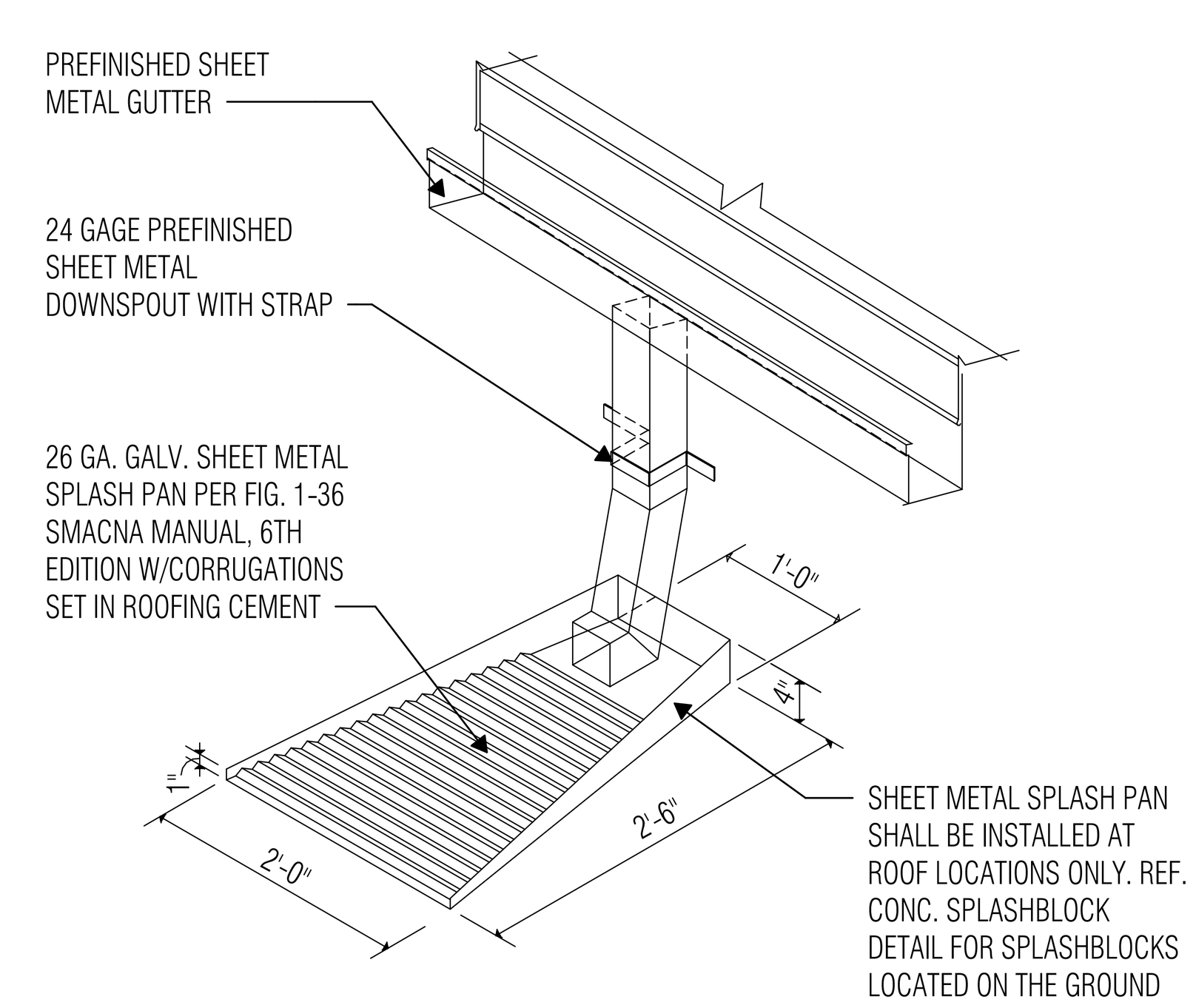
2024 Cy-Creek HS Renovation



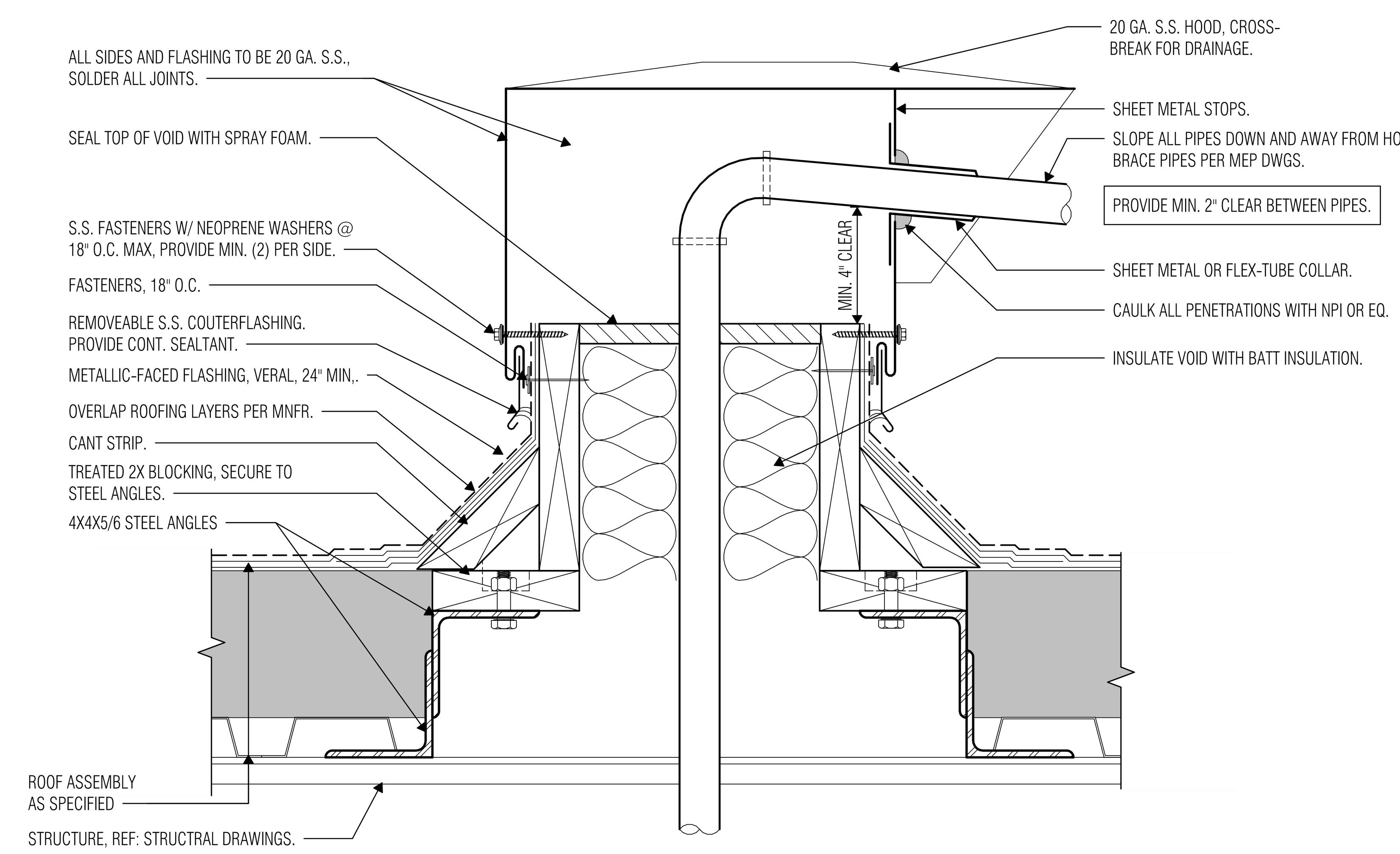
1 NEW ROOF EDGE DETAIL
SCALE: 1 1/2" = 1'-0"



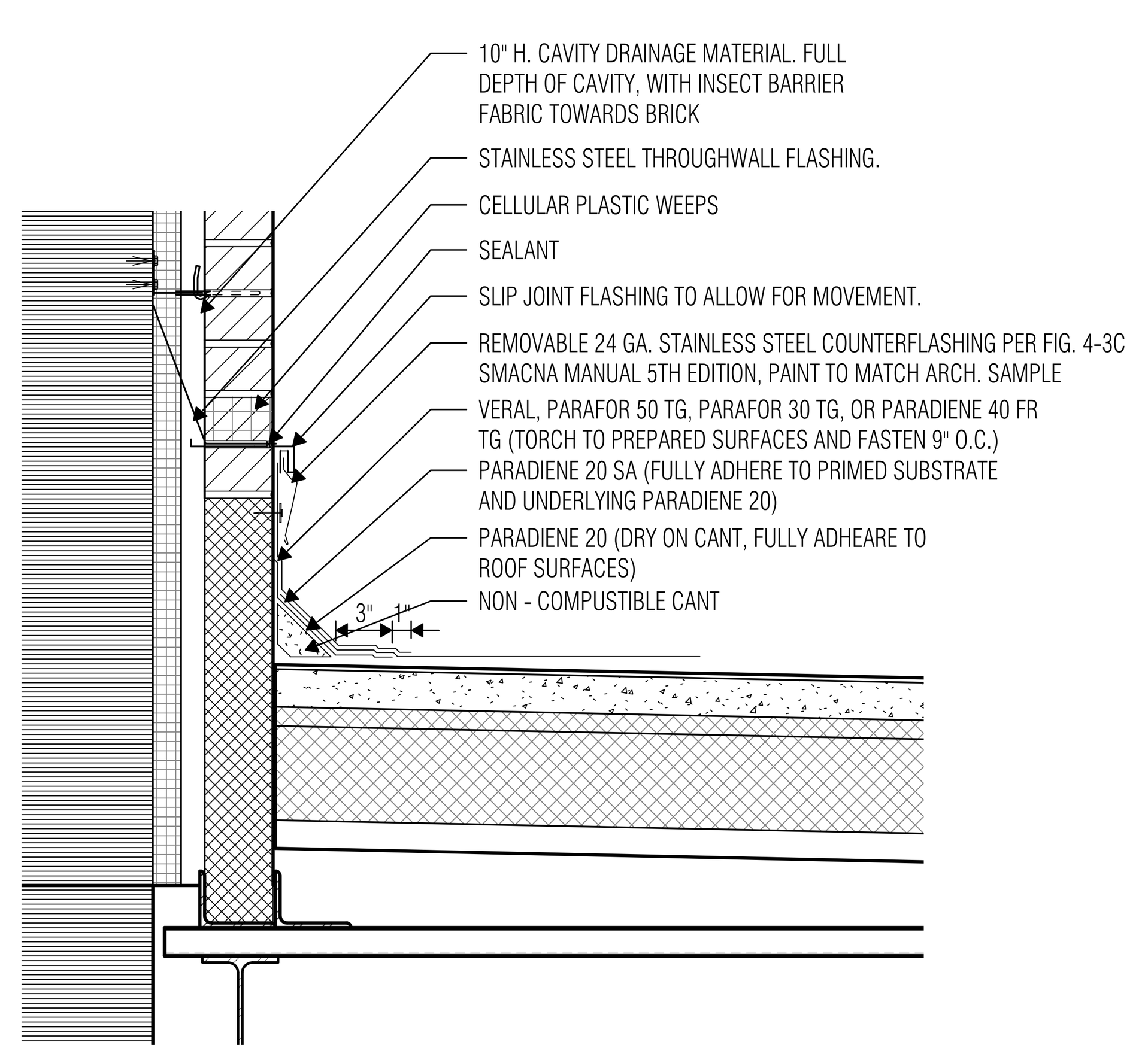
3 ROOF DRAIN SUPPORT DETAIL
SCALE: 1 1/2" = 1'-0"



4 R713 - DOWNSPOUT & SPLASH PAN at ROOF
SCALE: 1 1/2" = 1'-0"



5 TYP PIPE PENETRATION HOOD
SCALE: 3" = 1'-0"



6 THROUGH WALL FLASHING @ ROOF
SCALE: 1 1/2" = 1'-0"

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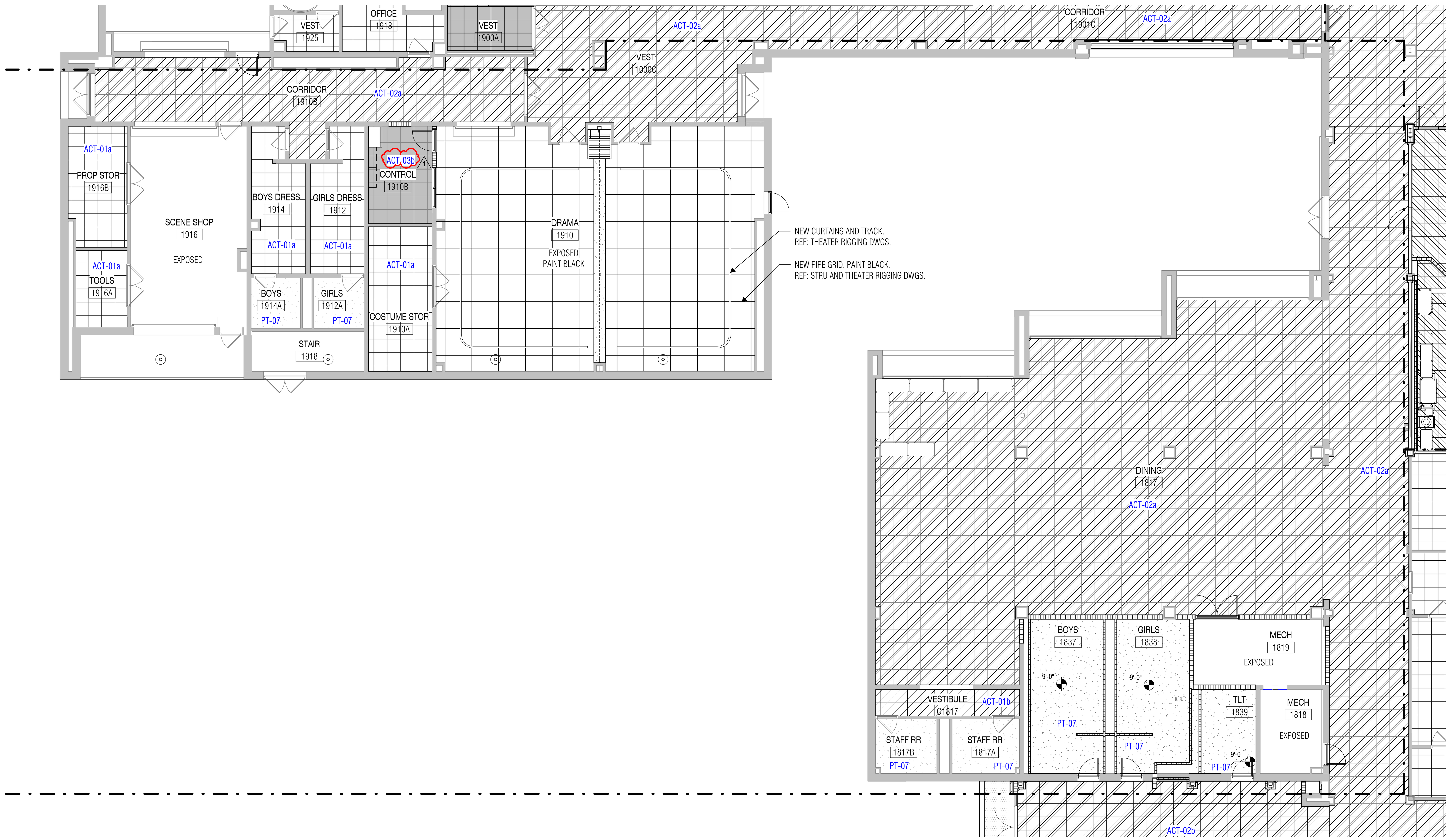
Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

PROJECT NO.
23-148.00

SHEET TITLE
ROOF DETAILS

2024 Cy-Creek HS Renovation

SHEET NO.
A5.33



1 REFLECTED CEILING PLAN - LEVEL ONE - UNIT M

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

REFLECTED CEILING PLAN NOTES

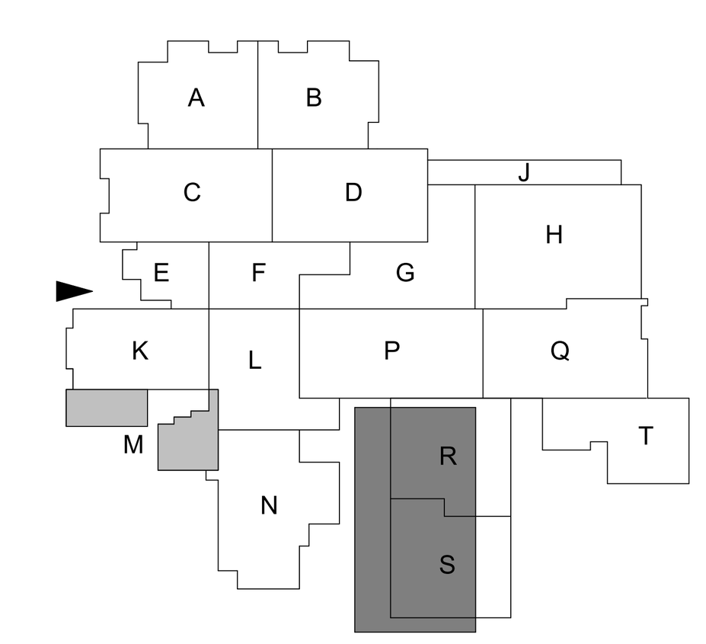
1. All ceiling heights shall be [8'-11 3/4"] A.F.F. unless noted otherwise.
2. Refer to Detail 3 / A6.11A for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail 2 / A6.11A for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail 5 / A6.11A). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
5. Provide partition to deck (PTD) at walls surrounding spaces with exposed structure. Refer to Reflected Ceiling Plan Legend for PTD requirements.
6. Provide hold-down clips for all acoustic lay-in ceiling panels at vestibules, at sloped ceilings, at fire-rated ceilings, and within 6 feet of exterior doors without vestibules.
7. At ceiling furring details, the suspended assemblies, bracing, blocking, etc. shown on the details are for schematic representation only. Provide stable, secure and permanent assemblies at these locations in accordance with recommended light-gage steel framing installation practices.
8. At partitions that do not extend to deck above, extend partition 4" minimum above highest adjacent ceiling and brace per Floor Plan Legend and Floor Plan Notes.
9. All ceiling tile replacements in rated ceiling assmblies shall maintain existing fire ratings.
10. Contractor to provide video documention of existing conditions prior to demolition. Provide files to architect and owner.

REFLECTED CEILING PLAN LEGEND

ACT-01a	NEW ACOUSTIC LAY-IN CEILING TILE IN EXISTING GRID 24" X 24"
ACT-01b	NEW ACOUSTIC LAY-IN CEILING TILE AND NEW GRID 24" X 24"
ACT-02a	ACOUSTIC LAY-IN CEILING TILE, CORRIDOR AND EXISTING GRID 24" X 24"
ACT-02b	ACOUSTIC LAY-IN CEILING TILE, CORRIDOR AND NEW GRID 24" X 24"
ACT-03a	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND EXISTING GRID 24" X 24"
ACT-03b	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND NEW GRID 24" X 24"
ACT-04	VINYL COATED ACOUSTIC LAY-IN CEILING TILE ANG GRID 24" X 24"
PT-##	GYPSUM BOARD CEILING PAINTED. REFER TO A9.01 FINISH SHEDULE FOR ADD'L INFO.
EXPO	EXPOSED TO STRUCTURE ABOVE. PAINT TO MATCH PT-07
ACP	EXISTING PYRAMID CEILING DIFFUSER PANELS (4' x 4')
ACP	NEW PYRAMID CEILING DIFFUSER PANELS (4' x 4')
	LIGHT FIXTURES. Refer to Electrical Drawings.
	SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.
P-C	CEILING MOUNTED PROJECTOR
M-C	CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR	1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
2HR	2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
SMK	SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.
SND	ACOUSTICAL DRYWALL PARTITION / SOUND-CONDITIONED CMU PARTITION. Extend partition to deck above and seal with acoustical sealant. Seal all joints and penetrations with acoustical sealant. Brace partitions per Floor Plan General Notes.
PTD	NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.



KEY PLAN - LEVEL ONE

VLK | ARCHITECTS

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

2024 Cy-Creek HS Renovation

02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

PROJECT NO.

23-148.00

SHEET TITLE

REFLECTED CEILING PLAN - LEVEL ONE - UNIT M

SHEET NO.

A6.11M

REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be [8'-11 3/4"] A.F.F. unless noted otherwise.
2. Refer to Detail **3 / A6.11A** for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail **2 / A6.11A** for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail **5 / A6.11A**). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
5. Provide partition to deck (PTD) at walls surrounding spaces with exposed structure. Refer to Reflected Ceiling Plan Legend for PTD requirements.
6. Provide hold-down clips for all acoustic lay-in ceiling panels at vestibules, at sloped ceilings, at fire-rated ceilings, and within 6 feet of exterior doors without vestibules.
7. At ceiling furring details, the suspended assemblies, bracing, blocking, etc. shown on the details are for schematic representation only. Provide stable, secure and permanent assemblies at these locations in accordance with recommended light-gage steel framing installation practices.
8. At partitions that do not extend to deck above, extend partition 4" minimum above highest adjacent ceiling and brace per Floor Plan Legend and Floor Plan Notes.
9. All ceiling tile replacements in rated ceiling assmblies shall maintain existing fire ratings.
10. Contractor to provide video documention of existing conditions prior to demolition. Provide files to architect and owner.

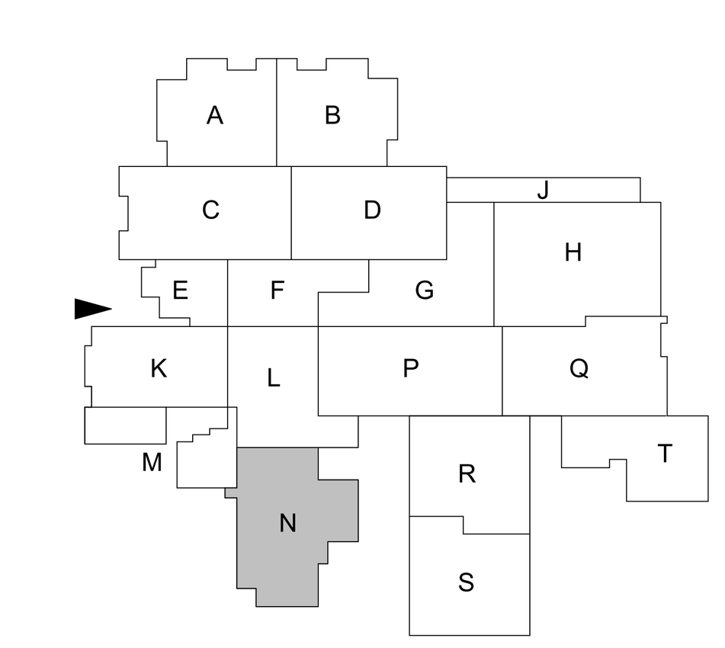
REFLECTED CEILING PLAN LEGEND

ACT-01a	NEW ACOUSTIC LAY-IN CEILING TILE IN EXISTING GRID 24" X 24"
ACT-01b	NEW ACOUSTIC LAY-IN CEILING TILE AND NEW GRID 24" X 24"
ACT-02a	ACOUSTIC LAY-IN CEILING TILE, CORRIDOR AND EXISTING GRID 24" X 24"
ACT-02b	ACOUSTIC LAY-IN CEILING TILE, CORRIDOR AND NEW GRID 24" X 24"
ACT-03a	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND EXISTING GRID 24" X 24"
ACT-03b	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND NEW GRID 24" X 24"
ACT-04	VINYL COATED ACOUSTIC LAY-IN CEILING TILE ANG GRID 24" X 24"
PT-##	GYPSUM BOARD CEILING PAINTED. REFER TO A9.01 FINISH SHEDULE FOR ADD'L INFO.
EXPO	EXPOSED TO STRUCTURE ABOVE. PAINT TO MATCH PT-07
ACP	EXISTING PYRAMID CEILING DIFFUSER PANELS (4' x 4')
ACP	NEW PYRAMID CEILING DIFFUSER PANELS (4' x 4')
	LIGHT FIXTURES. Refer to Electrical Drawings.
	SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.
P-C	CEILING MOUNTED PROJECTOR
M-C	CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR	1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
2HR	2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
SMK	SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.
SND	ACOUSTICAL DRYWALL PARTITION / SOUND-CONDITIONED CMU PARTITION. Extend partition to deck above and seal with acoustical sealant. Seal all joints and penetrations with acoustical sealant. Brace partitions per Floor Plan General Notes.
PTD	NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

1 REFLECTED CEILING PLAN - LEVEL ONE - UNIT N
SCALE: 1/8" = 1'-0"



KEY PLAN - LEVEL ONE

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

2024 Cy-Creek HS Renovation

REGISTERED ARCHITECT STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

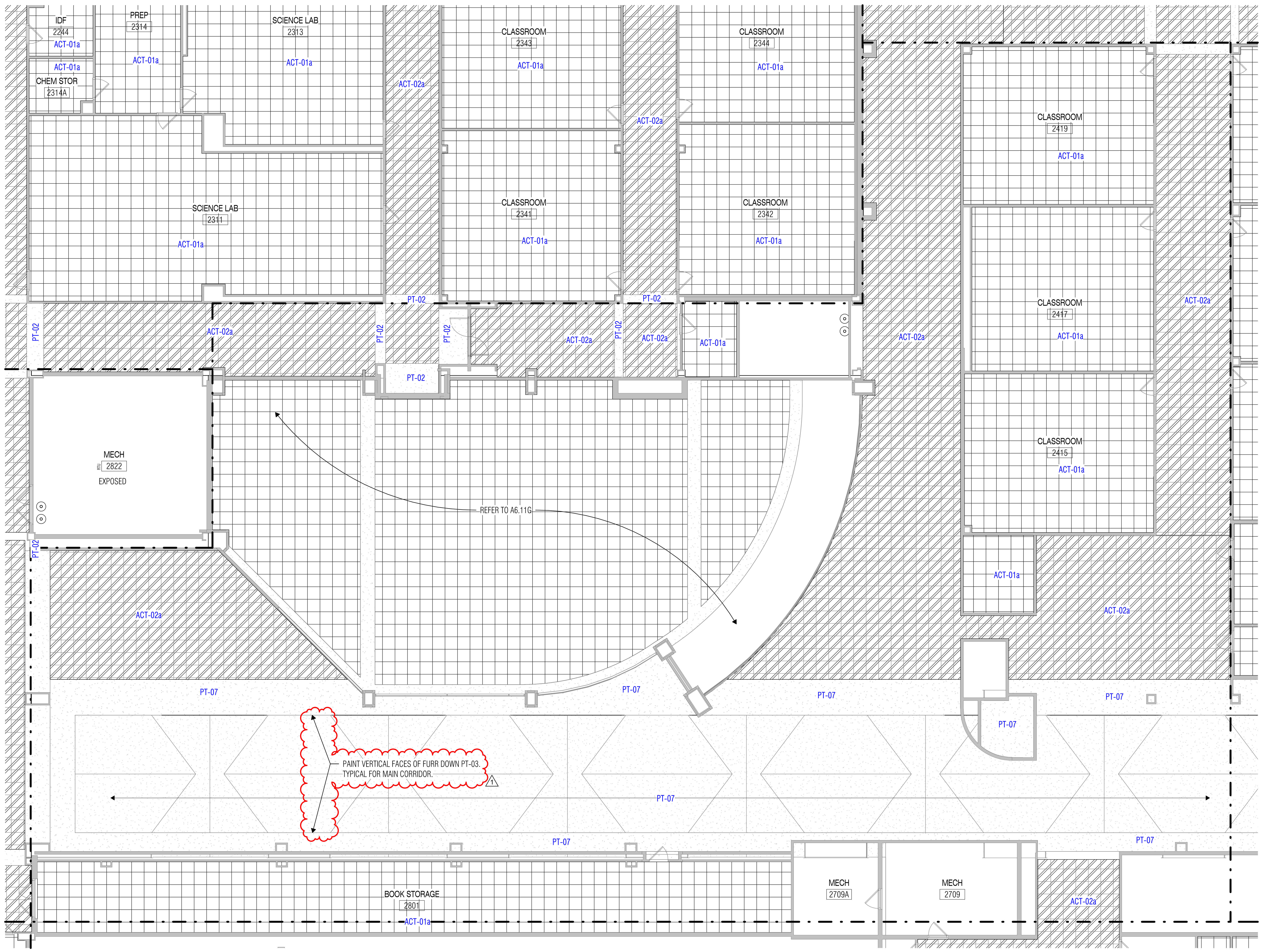
Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

PROJECT NO.
23-148.00

SHEET TITLE
REFLECTED CEILING PLAN - LEVEL ONE - UNIT N

SHEET NO.
A6.11N



1 REFLECTED CEILING PLAN - LEVEL TWO - UNIT G
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be [8'-11 3/4"] A.F.F. unless noted otherwise.
2. Refer to Detail 3 / A6.11A for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail 2 / A6.11A for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail 5 / A6.11A). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
5. Provide partition to deck (PTD) at walls surrounding spaces with exposed structure. Refer to Reflected Ceiling Plan Legend for PTD requirements.
6. Provide hold-down clips for all acoustic lay-in ceiling panels at vestibules, at sloped ceilings, at fire-rated ceilings, and within 6 feet of exterior doors without vestibules.
7. At ceiling furring details, the suspended assemblies, bracing, blocking, etc. shown on the details are for schematic representation only. Provide stable, secure and permanent assemblies at these locations in accordance with recommended light-gage steel framing installation practices.
8. At partitions that do not extend to deck above, extend partition 4" minimum above highest adjacent ceiling and brace per Floor Plan Legend and Floor Plan Notes.
9. All ceiling tile replacements in rated ceiling assmblies shall maintain existing fire ratings.
10. Contractor to provide video documention of existing conditions prior to demolition. Provide files to architect and owner.

REFLECTED CEILING PLAN LEGEND

ACT-01a	NEW ACOUSTIC LAY-IN CEILING TILE IN EXISTING GRID 24" X 24"
ACT-01b	NEW ACOUSTIC LAY-IN CEILING TILE AND NEW GRID 24" X 24"
ACT-02a	ACOUSTIC LAY-IN CEILING TILE, CORRIDOR AND EXISTING GRID 24" X 24"
ACT-02b	ACOUSTIC LAY-IN CEILING TILE, CORRIDOR AND NEW GRID 24" X 24"
ACT-03a	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND EXISTING GRID 24" X 24"
ACT-03b	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND NEW GRID 24" X 24"
ACT-04	VINYL COATED ACOUSTIC LAY-IN CEILING TILE ANG GRID 24" X 24"
PT-##	GYPSUM BOARD CEILING PAINTED. REFER TO A9.01 FINISH SHEDULE FOR ADD'L INFO.
EXPO	EXPOSED TO STRUCTURE ABOVE. PAINT TO MATCH PT-07
ACP	EXISTING PYRAMID CEILING DIFFUSER PANELS (4' x 4')
ACP	NEW PYRAMID CEILING DIFFUSER PANELS (4' x 4')
	LIGHT FIXTURES. Refer to Electrical Drawings.
	SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.
P-C	CEILING MOUNTED PROJECTOR
M-C	CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR	1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
2HR	2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
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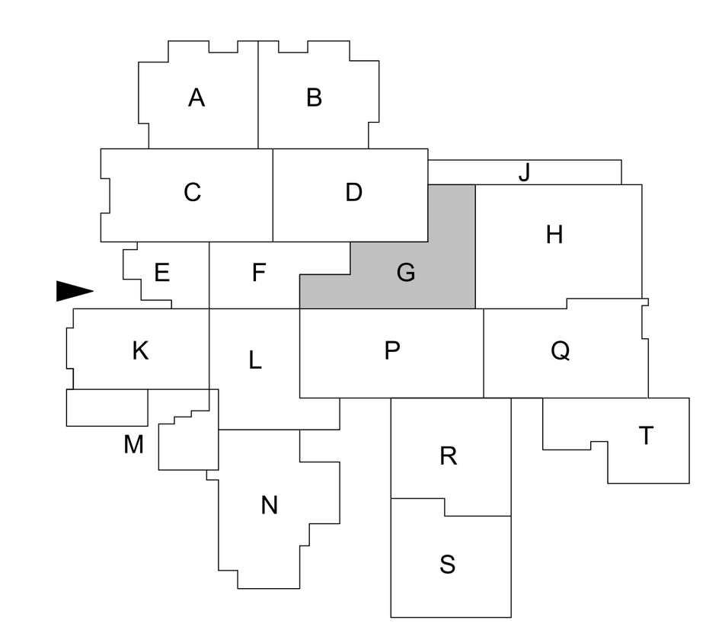
PTD	NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.



KEY PLAN - LEVEL ONE

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

REGISTERED ARCHITECT STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

2024 Cy-Creek HS Renovation

Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

PROJECT NO.
23-148.00

SHEET TITLE
REFLECTED CEILING PLAN - LEVEL TWO - UNIT G

SHEET NO.
A6.12G

REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be [8'-11 3/4"] A.F.F. unless noted otherwise.
2. Refer to Detail 3 / A6.11A for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail 2 / A6.11A for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail 5 / A6.11A). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
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ACT-01b	NEW ACOUSTIC LAY-IN CEILING TILE AND NEW GRID 24" X 24"
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ACT-02b	ACOUSTIC LAY-IN CEILING TILE, CORRIDOR AND NEW GRID 24" X 24"
ACT-03a	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND EXISTING GRID 24" X 24"
ACT-03b	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC AND NEW GRID 24" X 24"
ACT-04	VINYL COATED ACOUSTIC LAY-IN CEILING TILE ANG GRID 24" X 24"
PT-##	GYPSUM BOARD CEILING PAINTED. REFER TO A9.01 FINISH SHEDULE FOR ADD'L INFO.
EXPO	EXPOSED TO STRUCTURE ABOVE. PAINT TO MATCH PT-07
ACP	EXISTING PYRAMID CEILING DIFFUSER PANELS (4' x 4')
ACP	NEW PYRAMID CEILING DIFFUSER PANELS (4' x 4')
	LIGHT FIXTURES. Refer to Electrical Drawings.
	SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.
P-C	CEILING MOUNTED PROJECTOR
M-C	CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR	1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
2HR	2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
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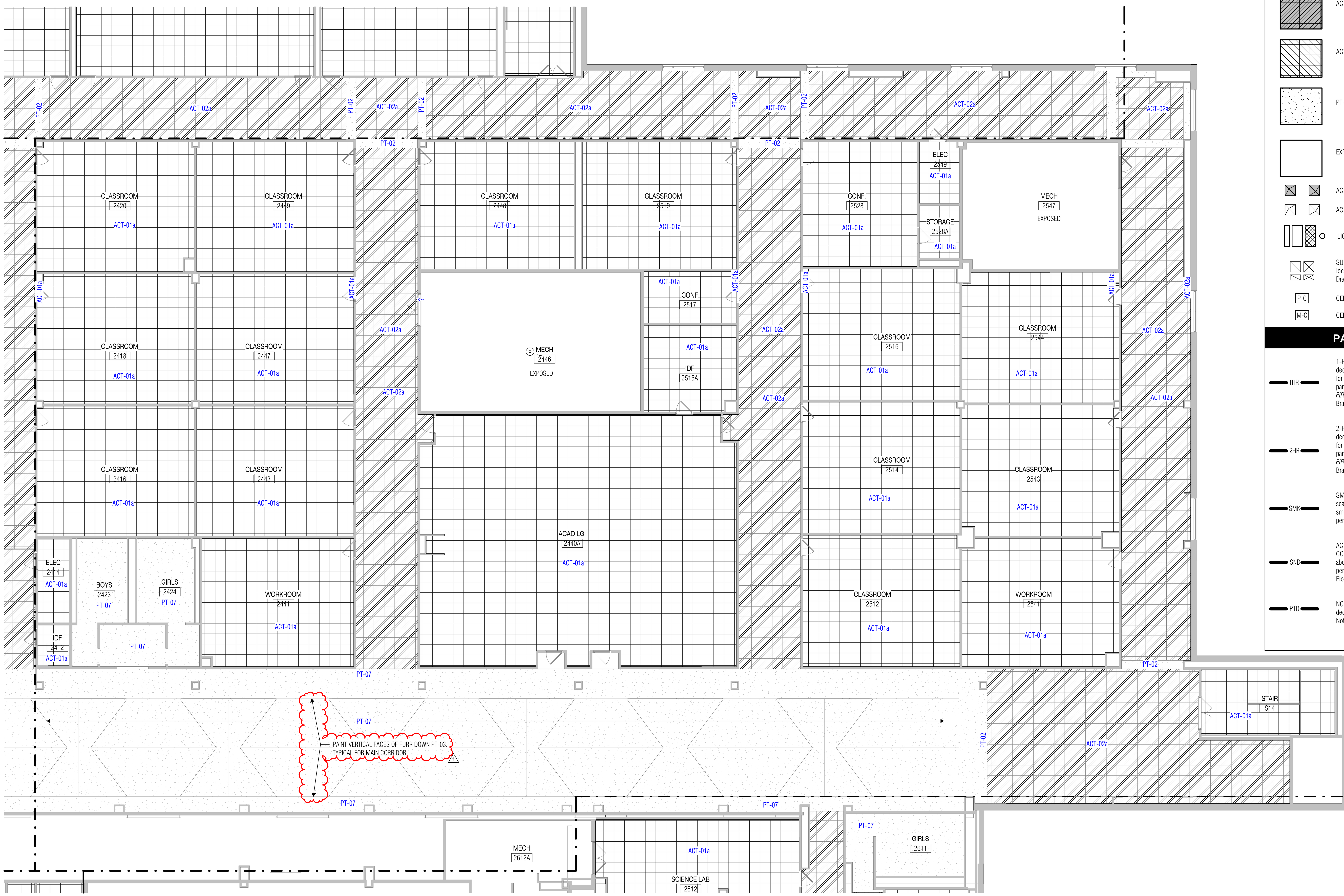
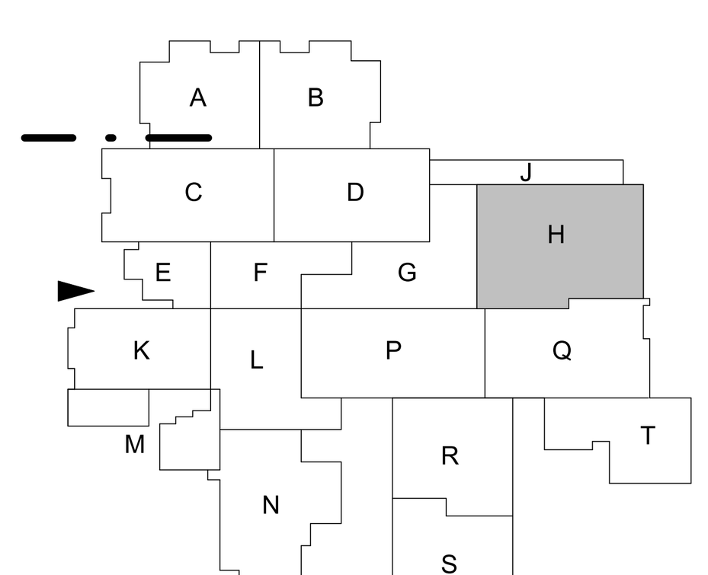
PTD	NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.



1 REFLECTED CEILING PLAN - LEVEL TWO - UNIT H
SCALE: 1/8" = 1'-0"



KEY PLAN - LEVEL ONE

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CYPRESS-FAIRBANKS ISD
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2024 Cy-Creek HS Renovation

REGISTERED ARCHITECT RUDOLPH STARKS JR. 24207 STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

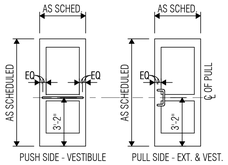
Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control
Proj. Arch. TQ	

PROJECT NO.
23-148.00

SHEET TITLE
REFLECTED CEILING PLAN - LEVEL TWO - UNIT H

SHEET NO.
A6.12H

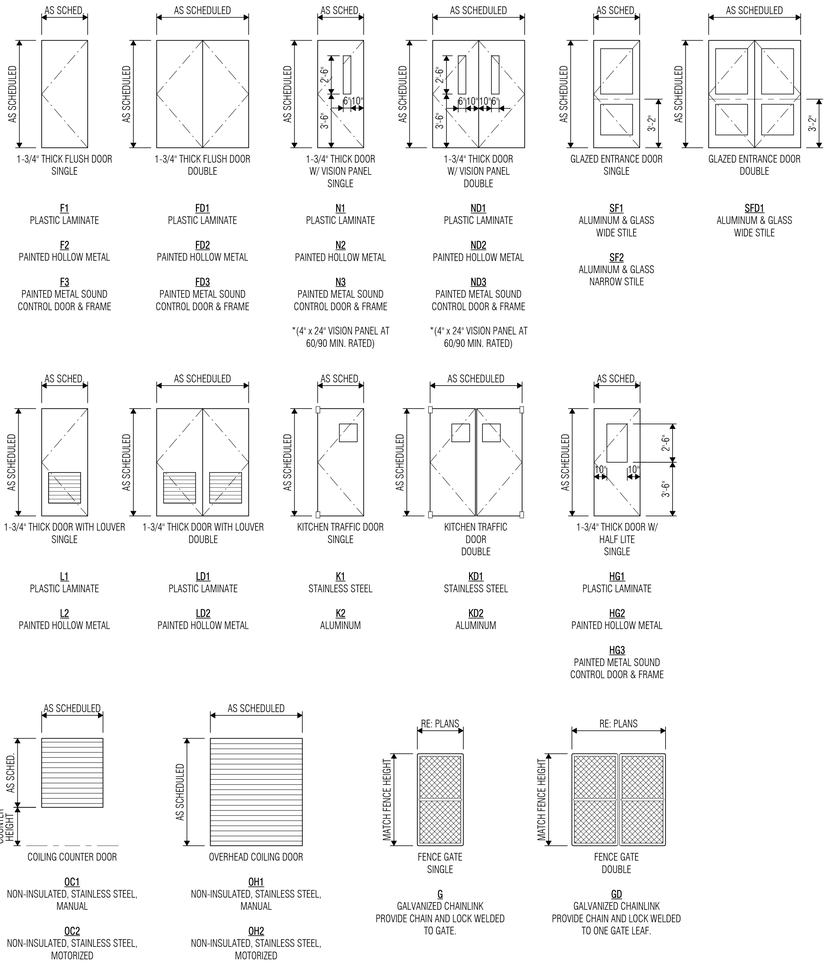


1 PUSH/ PULL HEIGHTS

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

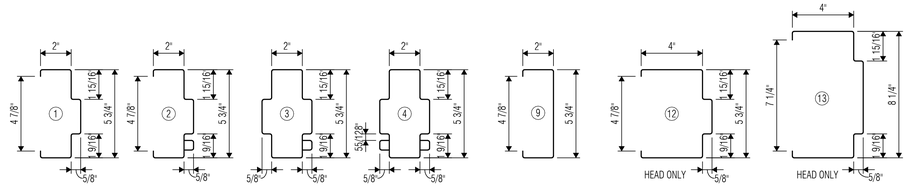
DOOR SCHEDULE NOTES

1. At Doors marked 'SMK', provide smoke seals at frame and door bottom to resist the passage of smoke. Provide threshold if required by code or if necessary for proper function of door bottom seal.
2. At Doors marked 'SND', provide sound seals at frame and door bottom.
3. At Doors without a Frame Type designation, the door frame is part of a Glazing System.
4. At Doors with a Frame Type designation "AL", the door frame is an interior aluminum frame that is not part of a glazing system
5. At Doors with a Frame Type designation "N/A", there is no door frame required (e.g. all-glass doors, gates, etc.).
6. At Doors with a Frame Type designation "REF DET", refer to the referenced Head and Jamb detail in door frame information.
7. At Doors with a Door Type or Frame Type designation "EX", the door or door frame is existing to remain.
8. Refer to Hardware Schedule for additional information regarding hardware.
9. Vision panels at non-rated interior doors shall be 1/4" clear tempered glass (CT4) U.N.O. Vision panels at interior fire-rated glass (CC4) U.N.O. Vision panels at exterior doors shall be 1" tinted tempered insulating glass (TT1) U.N.O.
10. Refer to Glazing System Elevation Sheets for Glass Types.



2 DOOR TYPES

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



3 HOLLOW METAL FRAME TYPES

SCALE: 3" = 1'-0"

EXTERIOR DOORS

DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	HW Set	NEW CARD READER	REMARKS
1.1	EX-SFD	EX	6'-0"	6'-11"	15.0		
1.2	EX-SFD	EX	6'-0"	6'-11"	16.0	Yes	
2	EX-SFD	EX	6'-0"	6'-11"	18.0	Yes	
3	EX-SFD	EX	6'-0"	6'-11"	22.0	Yes	
4	EX-SFD	EX	6'-0"	6'-11"	22.0	Yes	
5	EX-SFD	EX	6'-0"	6'-11"	18.0	Yes	
6	EX-SFD	EX	6'-0"	6'-11"	17.0	Yes	
7	EX-SFD	EX	5'-11"	6'-9"	17.0	Yes	
8	SFD1	AL	6'-0"	7'-0"	47.0		
9	F2	HM	3'-0"	7'-0"	50.1	Yes	PROVIDE PEEP HOLE
10	F2	HM	3'-0"	7'-0"	50.1 ⚠1	Yes	PROVIDE PEEP HOLE
11	EX-SFD	EX	6'-0"	6'-11"	17.0	Yes	
12	EX-SFD	EX	5'-11"	6'-9"	17.0	Yes	
13	EX-SFD	EX	5'-11"	6'-9"	17.0	Yes	
14.1	EX-FD2	EX	6'-0"	6'-10"	17.1	Yes	
14.2	EX-FD2	EX	6'-0"	6'-10"	15.0		
15	EX-F2	EX	2'-11 5/8"	7'-0"	13.0	Yes	
16	EX-F2	EX	2'-11 5/8"	7'-0"	13.0	Yes	
17	EX-FD2	EX	6'-0"	6'-10"	17.0	Yes	
18	EX-SFD	EX	7'-0"	7'-0"	18.1		
19	EX-F2	EX	2'-11 5/8"	7'-0"	51.0	Yes	
20	EX-F2	EX	2'-11 5/8"	7'-0"	20.0	Yes	
21	EX-F2	EX	2'-11 5/8"	7'-0"	20.0	Yes	
22.1	EX-F2	EX	2'-11 5/8"	7'-0"	10.0	Yes	
22.2	EX-F2	EX	2'-11 5/8"	7'-0"	14.0		
22.3	EX-F2	EX	2'-11 5/8"	7'-0"	10.0		
23	EX-F2	EX	3'-0"	6'-10"	21.0		
24	EX-F1	EX-ALUM	3'-0 3/4"	6'-11"	19.0		
25	EX-F1	EX-ALUM	4'-0"	3'-6"	74.0 ⚠1		
26	EX-FD2	EX	6'-0"	6'-10"	49.0		
27	EX-FD2	EX	6'-0"	6'-10"	49.0		
28	EX-F2	EX	2'-11 5/8"	7'-0"	20.0	Yes	
29	EX-FD2	EX	6'-0"	6'-10"	18.1 ⚠1	Yes	
30	EX-F2	EX	2'-11 5/8"	7'-0"	28.0	Yes	
31	EX-F2	EX	2'-11 5/8"	7'-0"	13.1 ⚠1	Yes	1
32	EX-F2	EX	2'-11 5/8"	7'-0"	28.0	Yes	
33	EX-F2	EX	2'-11 5/8"	7'-0"	13.1 ⚠1	Yes	1
34	EX-F2	EX	2'-11 5/8"	7'-0"	26.0	Yes	
35	EX-F1	EX-ALUM	3'-0"	7'-5"	13.0	Yes	
36	EX-F2	EX	2'-11 5/8"	7'-0"	21.0	Yes	
37	EX-SFD	EX	6'-2"	7'-2"	17.0	Yes	
38	EX-SFD	EX	6'-0"	6'-10"	17.1 ⚠1	Yes	
39	EX-F2	EX	2'-11 5/8"	7'-0"	13.0	Yes	2
40	EX-F1	EX-ALUM	3'-0"	7'-0"	13.0	Yes	
41	EX-F2	EX	2'-11 5/8"	7'-0"	10.1 ⚠1	Yes	
42	EX-F1	EX-ALUM	3'-0"	8'-8"	13.0	Yes	
44.1	SF1		3'-0"	7'-0"	14.0		
44.2	SFD1	EX	6'-0"	7'-0"	18.0		
45	F2	HM	4'-0"	8'-0"	50.2 ⚠1	Yes	CONTINUOUS HINGE, KICK PLATE BOTH SIDES, (2) PEEP HOLES
46	EX-FD2	EX	6'-0"	6'-10"	25.0		
47	FD-2	HM	6'-0"	7'-0"	48.0	Yes	
48	EX-F2	EX	2'-11 5/8"	7'-0"	21.0	Yes	
49	EX-SFD	EX	6'-0"	7'-0"	17.0	Yes	
50	D10	HM	5'-10"	6'-11"	18.0		
51	F2	HM	4'-0"	6'-10"	50.0	Yes	
52	SFD1	AL	6'-0"	6'-11"	47.1	Yes	
53	EX-FD2	EX	6'-0"	6'-10"	17.0		
54	EX-FD2	EX	6'-0"	6'-10"	17.0		
55	F2	HM	3'-0"	7'-0"	50.1 ⚠1		PAINT INTERIOR BLACK
56	EX-F2	EX	2'-11 5/8"	7'-0"	26.0	Yes	
57	EX-FD2	EX	6'-0"	6'-10"	23.0		
58	EX-F2	EX	2'-11 5/8"	7'-0"	26.0	Yes	
59	EX-F2	EX	2'-11 5/8"	7'-0"	26.0	Yes	
60	EX-FD2	EX	6'-0"	6'-10"	24.0		
61	EX-FD2	EX	6'-0"	6'-10"	17.0		

1. PROVIDE SIGN TYPE 'D' ON THE INTERIOR AND EXTERIOR FOR EACH SET OF DOORS.

OUTBUILDINGS

DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	FIRE RATING	AAOS Shared HW Set	REMARKS
LEVEL ONE							
1000-F	FD-2	HM	6'-0"	7'-0"		77.0 ⚠1	
AS-1000	F2	HM	3'-0"	7'-0"		34.0	
AS-1001	GD	GS				77.0	
AS-OH1	OH1	HM	10'-0"	10'-0"		77.0	
GH-1000	SF2	AL	6'-0"	7'-6"		77.0 ⚠1	
GH-1001	GD	GS				77.0	
GH-1002	GD	GS				77.0	
PB-17	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0	@ EXISTING PORTABLE
PB-18	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0	@ EXISTING PORTABLE
LEVEL TWO							
2000-F	F2	HM	3'-0"	7'-0"		77.0	
PB F.F.							
2001-F	OC2	SS	15'-4"	4'-0"		72.0	

INTERIOR DOORS - LEVEL 1

DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	FIRE RATING	HW Set	NEW CARD READER	REMARKS
LEVEL ONE								
1000.1	OC3	ALUM	3'-0"	7'-0"		59.0	Yes	GLAZING TO BE CI2
1000A.1	EX-SFD	EX	6'-0"	7'-0"	----	17.1 ⚠1		
1000A.2	EX-SFD	EX	6'-0"	7'-0"	----	15.0		
1000B.1	EX-SF	EX-ALUM	3'-0"	7'-0"		74.0		
1000B.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1000C.2	EX-FD2	EX	6'-0"	6'-10"		8.0		
1000C.3	EX-FD2	EX	6'-0"	6'-10"		6.0		
1001	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1002	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1003	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1004	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1005	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1010.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1010.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1010.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1011	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1012	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1013	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1014	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1015	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1016	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1018	EX-F2	EX	2'-11 5/8"	7'-0"	----	37.0		
1018.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1018.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	30.0		
1019	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1020	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
1021	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1022	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
1022.1	EX-SL	EX	7'-8"	4'-4"		74.0		EXISTING SLIDER
1022.3	EX-SL	EX	7'-8"	4'-4"		74.0		EXISTING SLIDER
1022A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1023	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1025	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1028	EX-FD2	EX	6'-0"	6'-10"		74.0 ⚠1		
1030	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
1030A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1030B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1030D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1035	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1035A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1035B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1035C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1035D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1035E	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1036	EX-FD2	EX	6'-0"	6'-10"		74.0		
1037	EX-F1	EX	3'-0"	7'-0"	----	74.0 ⚠1		
1040.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	27.0		
1040.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1040A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1041	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1042	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1043	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1044	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1046	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1047	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1048	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1049	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1050	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1051	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1052	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1052A	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
1059	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1060.1	EX-SFD	EX	6'-0 1/2"	6'-11"	----	6.0		
1060.2	EX-SFD	EX	5'-10"	8'-8"	----	6.0		
1061	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1062	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1063	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1064	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1065.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1065.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1066.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1066.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	27.0		
1101	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1102	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1103	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1105	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1110	EX-FD2	EX	6'-0"	6'-10"		74.0 ⚠1		
1112	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1114	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1116	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1140	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1140A	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1140B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1140C	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1140D	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1143	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1144	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1145	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1146	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1147	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1150	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1151	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1154	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1155	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1156	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1157	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1162	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1201	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1202	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1203	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1204	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1212.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1212.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1212.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1212.4	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1213	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1214.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1214.2	EX-F1	EX	2'-11"	13'-8"		3.0		
1214A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1216	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		
1217	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1218	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 ⚠1		

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2024 Cy-Creek HS Renovation

REGISTERED ARCHITECT RUDOLPH STARKE 24208 STATE OF TEXAS

02/07/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control QC
Proj. Arch. TQ	

PROJECT NO.

23-148.00

SHEET TITLE

DOOR SCHEDULE AND TYPICAL DETAILS

SHEET NO.

A7.01

INTERIOR DOORS (CONT.)

DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR OPENING		FIRE RATING	HW Set	NEW CARD READER	REMARKS
			WIDTH	HEIGHT				
1218A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1220	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1221	EX-FD2	EX	6'-0"	6'-10"		74.0		
1222	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1225	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1226	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1226.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1226.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1227	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1228	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1228.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1228.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1231	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1232	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1234	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1235	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1241	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1242.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1242.2	FD-2	HM	6'-0"	7'-0"		55.0		
1243	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1244	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1245	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1246	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1247.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1247.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1247A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1247A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1247B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1248	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1250	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1251	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1252	EX-FD2	EX	6'-0"	6'-10"		74.0		
1253.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
1253A	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1253B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1253C	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1253D	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1255.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1255.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1255.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1256	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1257.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1257.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1257A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1257A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1257A.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1258	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1261	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1264	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1265.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1265.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	27.0		
1266.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1266.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1266A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1288.1	OH1	HM	10'-0"	10'-0"		73.0		
1288.2	OH1	HM	10'-0"	10'-0"		73.0		
1288.3	OH1	HM	10'-0"	10'-0"		73.0		
1301	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1302.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1302.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	30.0		
1303	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1304	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1305	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1307	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1311.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1311.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1311.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	30.0		
1311A	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1312.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1312.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1312.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1313	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1314	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1315.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1315A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1315A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1315A.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1315B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1315C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1315D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1322.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1322.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1322B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1323	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1324	N1	HM	3'-0"	7'-0"		57.0		SIGN TYPE B
1325	N1	HM	3'-0"	7'-0"		60.0		SIGN TYPE B
1326	N1	HM	3'-0"	7'-0"		57.0		SIGN TYPE B
1327	N1	HM	3'-0"	7'-0"		60.0		SIGN TYPE B
1328	FD-2	HM	6'-0"	7'-0"		63.0		SIGN TYPE A
1369.8	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1369.9	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1404	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1411	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1412	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1414	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1415	EX-FD2	EX	6'-0"	6'-10"		74.0		
1416.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1416.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1416B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1421	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
1421A	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1421B	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1421C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1421D	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1430.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1430.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1430A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1431.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1431.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1431.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1431A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1432.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1432.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	27.0		
1441	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1441A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1442.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1442.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1442A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1442B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1443	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1443A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1443B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1446.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	33.0		
1446.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	30.0		
1446.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1446B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1447.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1447.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1447A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1447B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1447C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1461	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1461A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1461B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1462	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1500	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
1500A	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1500B	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1500C	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1500D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1500E	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1515	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1515A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1515A.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1515B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1515C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1517.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	27.0		
1517.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1518	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1519	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1522.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1522.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1522.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1522A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1522B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1522C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1533	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1535	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1535.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1535A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1535B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1535C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1535D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1535E	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1535F	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1545.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1545.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	30.0		
1545A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1546	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1546A	EX-F1	EX	3'-0"	7'-0"	----	74.0		
1546B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1546C.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1546C.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1546D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1548	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1548.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1548A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1548B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1548C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1548D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1549	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1549.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1549.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1550	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1600.1	EX-FD2	EX	6'-0"	6'-10"		8.0		
1611.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1611A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1613.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1613.2	EX-FD2	EX	6'-0"	6'-10"		6.0		
1613A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1613A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1613A.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1614	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1614A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1614A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1614B	15		3'-0"	7'-0"	----	69.0		
1614D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1614F	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1618	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1618A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1619.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1619A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1619A.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
1620.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1620.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1621.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		2
1621A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1621B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1622	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1622C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1622D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1626	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1628	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1630	EX-FD2	EX	6'-0"	6'-10"		5.0		
1630A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1632	EX-FD2	EX	6'-0"	6'-10"		74.0		
1633	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1636	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1640	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1644.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1646	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1648	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1649	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1654.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1654.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1654.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1654A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1654B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1672.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1700.1	EX-FD2	EX	6'-0"	6'-10"		6.0		
1700.2	EX-FD2	EX	6'-0"	6'-10"		6.0		
1700.3	EX-FD2	EX	6'-0"	6'-10"		6.0		
1700.4	EX-FD2	EX	6'-0"	6'-10"		6.0		
1700.5	EX-F2	EX	2'-11 5/8"	7'-0"	----	57.0		
1701	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1702	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1708	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1709	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1710.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1710.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1710B	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1711B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1712	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1714	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1715	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1715A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1715B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1715C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1716	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1717A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1720.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1720.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	4.0		
1720.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1720.4	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1720.5	EX-F2	EX	2'-11 5/8"	7'-0"	----	4.0		
1720.6	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1720.7	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.1		
1720.8	EX-F2	EX	2'-11 5/8"	7'-0"	----	4.0		
1720.9	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.1		
1720A	EX-FD2	EX	6'-0"	6'-10"		74.0		
1720B	EX-FD2	EX	6'-0"	6'-10"		74.0		
1720C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1721.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1721.4	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1721.5	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1721.6	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1721.7	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1721.10	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.1		
1721.11	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.1		
1721.12	EX-F2	EX	2'-11 5/8"	7'-0"	----	4.0		
1721B.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1721B.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	57.0		
1721C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1721D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1725	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1726.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1726.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1731	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1731A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1732	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1732A	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1732B	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1732C	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1732D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1735	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1735.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1735.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1735.3	EX-FD2	EX	6'-0"	6'-10"		74.0		
1735.OH1	EX-OH	EX	12'-0"	8'-11"	----	74.0		
1735.OH2	EX-OH	EX	12'-0"	8'-11"	----	74.0		
1735A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1735E	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1736.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1736.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1736A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1736B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1737.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1737.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	27.0		
1740.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1740.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1740.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1740A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1740B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1740E	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1741	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1741.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1741.OH1	EX-OH	EX	12'-0"	8'-11"	----	74.0		
1741A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1741B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1747	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1750	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751.OH1	EX-OH	EX	12'-0"	8'-11"	----	74.0		
1751A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751E	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751G	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751H	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751J	EX-FD2	EX	6'-0"	6'-10"		74.0		
1751K	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751L	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751M	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751N	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751P	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751Q	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1751R	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1752	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1754.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1754.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1756.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1756A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1756A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1756A.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1756B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1758.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1758.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1758A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1758A.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1760	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1761	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1762	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		

DOOR SCHEDULE NOTES

1. At Doors marked 'SMK', provide smoke seals at frame and door bottom to resist the passage of smoke. Provide threshold if required by code or if necessary for proper function of door bottom seal.
2. At Doors marked 'SND', provide sound seals at frame and door bottom.
3. At Doors without a Frame Type designation, the door frame is part of a Glazing System.
4. At Doors with a Frame Type designation "AL", the door frame is an interior aluminum frame that is not part of a glazing system
5. At Doors with a Frame Type designation "N/A", there is no door frame required (e.g. all-glass doors, gates, etc.).
6. At Doors with a Frame Type designation "REF DET", refer to the referenced Head and Jamb detail for frame information.
7. At Doors with a Door Type or Frame Type designation "EX", the door or door frame is existing to remain.
8. Refer to Hardware Schedule for additional information regarding hardware.
9. Vision panels at non-rated interior doors shall be 1/4" clear tempered glass (CT4) U.N.O. Vision panels at interior fire-rated glass (CC4) U.N.O. Vision panels at exterior doors shall be 1" tinted tempered insulating glass (TT1) U.N.O.
10. Refer to Glazing System Elevation Sheets for Glass Types.

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CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

24-02-5754-R-RFP

RUDOLPH STARKS JR.
24202
02/07/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director
RSJ
Drawn By
TQ, BW, DG
Designer
BE
Quality Control
QC
Proj. Arch.
TQ

PROJECT NO.
23-148.00

SHEET TITLE
DOOR SCHEDULE

SHEET NO.
A7.02

2024 Cy-Creek HS Renovation

INTERIOR DOORS (CONT.)

DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	FIRE RATING	HW Set	NEW CARD READER	REMARKS
1763	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1764	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1765	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
1766	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1766A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1767	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1768	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1770	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1770A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1800.1	EX-FD2	EX	6'-0"	6'-10"		9.0		
1800.5	EX-FD2	EX	6'-0"	6'-10"		9.0		
1801	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
1802.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1802.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
1805	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
1808.1	F1	HM	3'-0"	7'-0"		62.1		KICKPLATE, SIGN TYPE A
1808.2	F1	HM	3'-0"	7'-0"		62.1		KICKPLATE, SIGN TYPE A
1808.OH20	OC2		12'-0"	8'-0"		71.0		
1808.OH21	OC2		12'-0"	8'-0"		71.0		
1808.OH22	OC2		12'-0"	8'-0"		71.0		
1808.OH23	OC2		12'-0"	8'-0"		71.0 △1		
1810	N1	HM	3'-0"	6'-10"		64.0		SIGN TYPE B
1811A	F1	HM	3'-0"	7'-0"		69.0		KICKPLATE, SIGN TYPE A
1811B	F1	HM	3'-0"	7'-0"		69.0		KICKPLATE, SIGN TYPE A
1812	F1	HM	3'-0"	7'-0"		66.0		KICKPLATE, SIGN TYPE A
1813	F1	HM	3'-0"	7'-0"		62.0		KICKPLATE, SIGN TYPE A
1814	F1	HM	3'-0"	7'-0"		60.0		KICKPLATE, SIGN TYPE A
1815	SP		3'-0"	7'-0"		75.0		INSULATED COOLER/FREEZER DOOR
1816	SP		3'-0"	7'-0"		75.0		INSULATED COOLER/FREEZER DOOR
1817A	EX-F2	EX	2'-11 5/8"	7'-0"	----	70.0		
1817B	EX-F2	EX	2'-11 5/8"	7'-0"	----	70.0		
1818	F1	HM	3'-0"	7'-0"		63.1		SIGN TYPE A
1819	FD-2	HM	6'-0"	7'-0"		63.0 △1		SIGN TYPE A
1820	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1820A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1820B	EX-FD2	EX	6'-0"	6'-10"		74.0		
1820B.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1820C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1820D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1821	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1822	EX-FD2	EX	6'-0"	6'-10"		65.0		
1822.3	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
1830.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
1830.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
1830A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1830B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1830C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1830D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1830E	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1830F	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1830G.15	EX-FD2	EX	6'-0"	6'-10"		74.0		
1830G.18	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1831	F2	HM	4'-0"	6'-10"		56.0		SIGN TYPE B
1832	EX-FD2	EX	6'-0"	6'-10"		74.0		
1833	F2	HM	4'-0"	6'-10"		61.0 △1		SIGN TYPE B
1834.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1834A.5	EX-F2	EX	2'-11 5/8"	7'-0"	----	27.0		
1835	F3	HM-S	4'-0"	7'-0"	----	56.0		SIGN TYPE B
1835A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1835D.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1835E	F2	HM	3'-0"	7'-0"		60.0		SIGN TYPE B
1835F	F3	HM	3'-0"	7'-0"		67.0		SIGN TYPE B
1835G	F3	HM	3'-0"	7'-0"		67.0		SIGN TYPE B
1835H	F3	HM	3'-0"	7'-0"		67.0		SIGN TYPE B
1835J	F3	HM	4'-0"	7'-0"	----	67.0		SIGN TYPE B
1836	EX-SFD	EX	6'-0"	6'-11"	----	58.0		
1836A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1836B	EX-FD2	EX	6'-0"	6'-10"		74.0		
1836D	EX-FD2	EX	6'-0"	6'-10"		74.0		
1836E	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1836F	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1836G	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1836H	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1836J.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1836J.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1836K	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1836L	EX-FD2	EX	6'-0"	6'-10"		74.0		
1836M	EX-F2	EX	3'-1"	6'-10"		74.0 △1		
1837	F1	HM	3'-0"	7'-0"		68.0		SIGN TYPE A
1838	F1	HM	3'-0"	7'-0"		68.0		SIGN TYPE A
1839	F1	HM	3'-0"	7'-0"		70.0		SIGN TYPE A
1841	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0	Yes	
1841.9	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1841.03	OH1		8'-0 3/8"	9'-9 3/8"	----	73.0		
1841.09	EX-SFD		6'-0"	7'-0"	----	77.0		
1841.OH1	OH1		8'-0 3/8"	9'-9 3/8"	----	73.0		
1841.OH2	OH1		8'-0 3/8"	9'-9 3/8"	----	73.0		
1842	EX-FD2	EX	6'-0"	6'-10"		74.0		
1842.OH1	OH1		8'-0 3/8"	9'-9 3/8"	----	73.0		
1842.OH2	OH1		8'-0 3/8"	9'-9 3/8"	----	73.0		
1842.OH3	OH1		8'-0 3/8"	9'-9 3/8"	----	73.0 △1		
1844	EX-F2	EX	2'-11 5/8"	7'-0"	----	12.0	Yes	
1844A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1844B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1901	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1901A.1	EX-FD2	EX	6'-0"	6'-10"		6.0		
1901A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1901A.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1901A.4	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
1901A.5	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1901B.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
1901B.2	EX-FD2	EX	6'-0"	6'-10"		6.0		
1901C	EX-FD2	EX	6'-0"	6'-10"		6.0		
1905	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1906	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1910.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		PAINT INTERIOR BLACK
1910.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		PAINT INTERIOR BLACK
1910.OH1	EX-OH	EX	8'-0 3/8"	8'-0"	----	71.0		
1910A	EX-FD2	EX	6'-0"	6'-10"		74.0		PAINT BLACK
1910B	EX-F1	HM	3'-0"	7'-0"	----	74.0 △1		PAINT BLACK, SIGN TYPE 'B'
1912	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1912A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1913	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
1914	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1914	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1916	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1916.OH1	EX-OH	EX	12'-0"	8'-11"	----	74.0		
1916.OH2	EX-OH	EX	12'-0"	8'-11"	----	74.0		
1916A	EX-FD2	EX	6'-0"	6'-10"		74.0		
1916B	EX-FD2	EX	6'-0"	6'-10"		74.0		
1918	EX-FD2	EX	6'-0"	6'-10"		74.0 △1	Yes	
1920.1	F2	HM	3'-0"	7'-0"		57.0		
1920.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1920.OH1	EX-OH	EX	12'-0"	8'-11"	1 HR	74.0		
1920A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1921	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1922	EX-FD2	EX	6'-0"	6'-10"		74.0		
1923	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1925	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
1926	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
13221	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
S1.1	EX-FD2	EX	6'-0"	6'-10"		74.0		
S2.1	EX-FD2	EX	6'-0"	6'-10"		74.0		
S3.1	EX-FD2	EX	6'-0"	6'-10"		74.0		
S4.1	EX-FD2	EX	6'-0"	6'-10"		74.0		
S5.1	EX-FD2	EX	6'-0"	6'-10"		74.0		
S5.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
S6.1	EX-FD2	EX	6'-0"	6'-10"		74.0		
S8.1	EX-FD2	EX	6'-0"	6'-10"		74.0		
S9.1	EX-FD2	EX	6'-0"	6'-10"		74.0		
S11.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
S11.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	7.0		
S12.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
S12.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
S13.1	EX-FD2	EX	6'-0"	6'-10"		74.0		
S14.1	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
LEVEL TWO								
2101	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2102	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2103	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2105	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2106	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2112	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2114	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2116	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2140.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
2140.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2140.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
2140A	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
2140D	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
2141.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2141.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2143	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2144	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2145	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2146	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2147	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2150	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2151	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2152	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2154	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2155	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2157	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2158	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2162	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2201	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2202	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2203	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2204	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2212.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2212.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2212.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2212A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2213	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2214.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2214.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2214A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2215	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2215.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2216	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2217	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2218A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2219	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2220	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2221	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
2222	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2225	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2226.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2226.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2226.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2227	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2228.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2228.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2228.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2230	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2231	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2232	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2234	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2235	EX-FD2	EX	6'-0"	6'-10"		74.0		
2236	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2238	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2239	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2240	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2241	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2243	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2244	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2245	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2246	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2247.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2247.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2247.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2247B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2249	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2250	EX-F2	EX	3'-0"	7'-0"	----	74.0 △1		
2250A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2251	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2252	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
2253.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
2253.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2253A	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
2253C	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
2253D	EX-F2	EX	2'-11 5/8"	7'-0"	----	38.0		
2255.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2255.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2255.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2256	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2257.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2257.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2257.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2258	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2311.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2311.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2311.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2313.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2313.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2313.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2314A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2315	EX-FD2	EX	6'-0"	6'-10"		74.0		
2315.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2315.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2315.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2321	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2322	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2323	EX-F2	EX	3'-0"	7'-0"		74.0		
2324	EX-F2	EX	3'-0"	7'-0"		74.0 △1		
2325	EX-F2	EX	3'-0"	7'-0"		34.0		
2326	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2327	EX-F2	EX	3'-0"	7'-0"		34.0		
2328	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2340	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2341	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2342	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2343	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2344	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2345	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2346	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2347	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2348	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2412	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2414	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2415	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2416	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2417	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2418	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2419	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2420	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2421	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2422.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2422.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2440	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2440A	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2440B	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2440C	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2441	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2443	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2446	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
2447	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2448	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2449	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2450.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2450.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2450A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2450A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2450A.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2450B	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
2451.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2451.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2512	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2514	EX-F2	EX	2'-11 5/8"	7'-0"	----	33.0		
2515A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2516	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2517	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2519	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2528	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2528A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2543	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2547	EX-FD2	EX	6'-0"	6'-10"		74.0		
2549	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2612.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2612.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2612A	EX-FD2	EX	6'-0"	6'-10"		74.0		
2612B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2613	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2614.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2614.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2614A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2614A.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2614A.3	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2614B	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
2615	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2616.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	2.0		
2616.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	3.0		
2616.4	EX-FD2	EX	6'-0"	6'-10"		74.0		
2617	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2619	EX-F2	EX	2'-11 5/8"	7'-0"	----	11.0		
2709	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2709A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2710	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2711	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2712	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2713.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2713A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2713B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2713C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2714	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2714A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0 △1		
2715	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2716	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2717	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2718.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2720	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2724	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2724A.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2724A.2	EX-F2		2'-11 5/8"	7'-0"	----	74.0		
2724B	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2726A	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2726C	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2726D	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2800	EX-FD2	EX	6'-0"	6'-10"		74.0		
2801	EX-FD2	EX	6'-0"	6'-10"		74.0		
2801B	EX-F1	EX	3'-0"	7'-0"	----	74.0 △1		
2803	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
2805	EX-F2	EX	2'-11 5/8"	7'-0"	----	39.0		
2805A	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
2811.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	32.0		
2811.2	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2813	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2815.1	EX-FD2	EX	6'-0"	6'-10"		6.0		
2815.2	EX-FD2	EX	6'-0"	6'-10"		6.0		
2817	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2817.1	EX-F2	EX	2'-11 5/8"	7'-0"	----	27.0		
2821	EX-F2	EX	2'-11 5/8"	7'-0"	----	34.0		
2822	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
2823	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2825	EX-F2	EX	2'-11 5/8"	7'-0"	----	35.0		
2826	EX-F2	EX	2'-11 5/8"	7'-0"	----	74.0		
2901	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
C2340	EX-FD2		6'-0"	7'-0"		74.0		
S1.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
S2.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
S3.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
S4.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
S5.3	EX-FD2	EX	6'-0"	6'-10"		74.0		
S6.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
S8.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
S9.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
S13.2	EX-FD2	EX	6'-0"	6'-10"		74.0		
S14.2	EX-FD2	EX	6'-0"	6'-10"		74.0 △1		
16' AFF								
1910H	FD-2		6'-0"	7'-0"		52.0 △1		

DOOR SCHEDULE NOTES

1. At Doors marked 'SMK', provide smoke seals at frame and door bottom to resist the passage of smoke. Provide threshold if required by code or if necessary for proper function of door bottom seal.
2. At Doors marked 'SND', provide sound seals at frame and door bottom.
3. At Doors without a Frame Type designation, the door frame is part of a Glazing System.
4. At Doors with a Frame Type designation "AL", the door frame is an interior aluminum frame that is not part of a glazing system
5. At Doors with a Frame Type designation "N/A", there is no door frame required (e.g. all-glass doors, gates, etc.).
6. At Doors with a Frame Type designation "REF DET", refer to the referenced Head and Jamb detail for frame information.
7. At Doors with a Door Type or Frame Type designation "EX", the door or door frame is existing to remain.
8. Refer to Hardware Schedule for additional information regarding hardware.
9. Vision panels at non-rated interior doors shall be 1/4" clear tempered glass (CT4) U.N.O. Vision panels at interior fire-rated glass (CC4) U.N.O. Vision panels at exterior doors shall be 1" tinted tempered insulating glass (TT1) U.N.O.
10. Refer to Glazing System Elevation Sheets for Glass Types.

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

RUDOLPH STARKS JR.
24207
02/07/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director RSJ	Drawn By TQ, BW, DG
Designer BE	Quality Control QC
Proj. Arch. TQ	

PROJECT NO.
23-148.00

SHEET TITLE
DOOR SCHEDULE

2024 Cy-Creek HS Renovation

SHEET NO.
A7.03

GLAZING SYSTEM NOTES

1. Overall dimensions of glazing system elevations reflect rough opening dimensions, inclusive of perimeter joints.
2. Provide 3/16" thick heavy wall framing members at all door frames in exterior and interior aluminum Storefront systems.
3. Provide 3/16" thick heavy wall door adapters at all door frame members in exterior and interior aluminum Curtain Wall systems.
4. Door opening dimensions in Curtain Wall systems reflect 1" door adapters at jamb conditions, and 1-3/4" door adapters at head conditions. Adjust dimensions between mullions at door openings in curtain wall systems as required for actual size of door adapters provided. Door sizes as identified in Door Schedule shall be maintained.
5. Refer to **1 / A7.01** for Typical Push/Pull Mounting Heights Detail for aluminum/glass doors

GLASS TYPE LEGEND

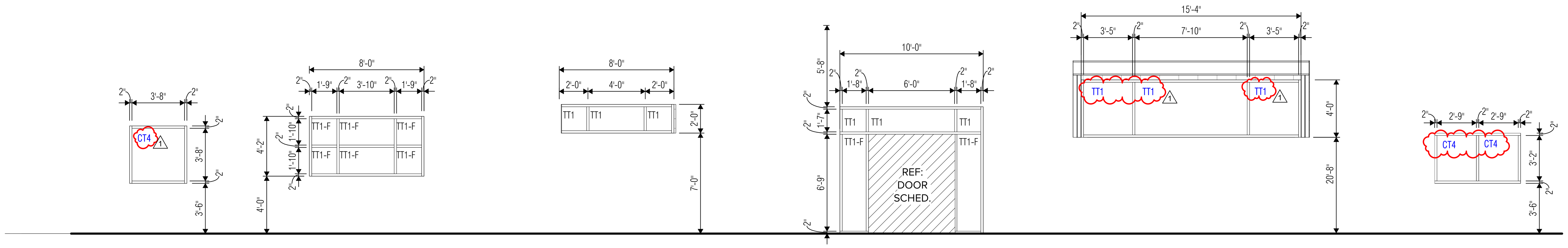
TT1 TINTED, TEMPERED, 1" THICK INSULATING GLASS
TT4 TINTED, TEMPERED, 1/4" THICK GLASS

CT4 CLEAR, TEMPERED, 1/4" THICK GLASS
CI2 CLEAR, IMPACT-RESISTANT, 9/16" THICK LAMINATED GLASS

-F 23 MIL IMPACT RESISTANT FILM OVERLAY, FIELD-APPLIED TO GLASS

GLAZING SYSTEM LEGEND

STOREFRONT FRAMING WITH 3/16" THICK 'HEAVY WALL' MATERIAL. TYPICAL AT ALL DOOR FRAME MEMBERS IN STOREFRONT GLAZING SYSTEMS.



A NEW ALUM. FRAME AND GLAZING

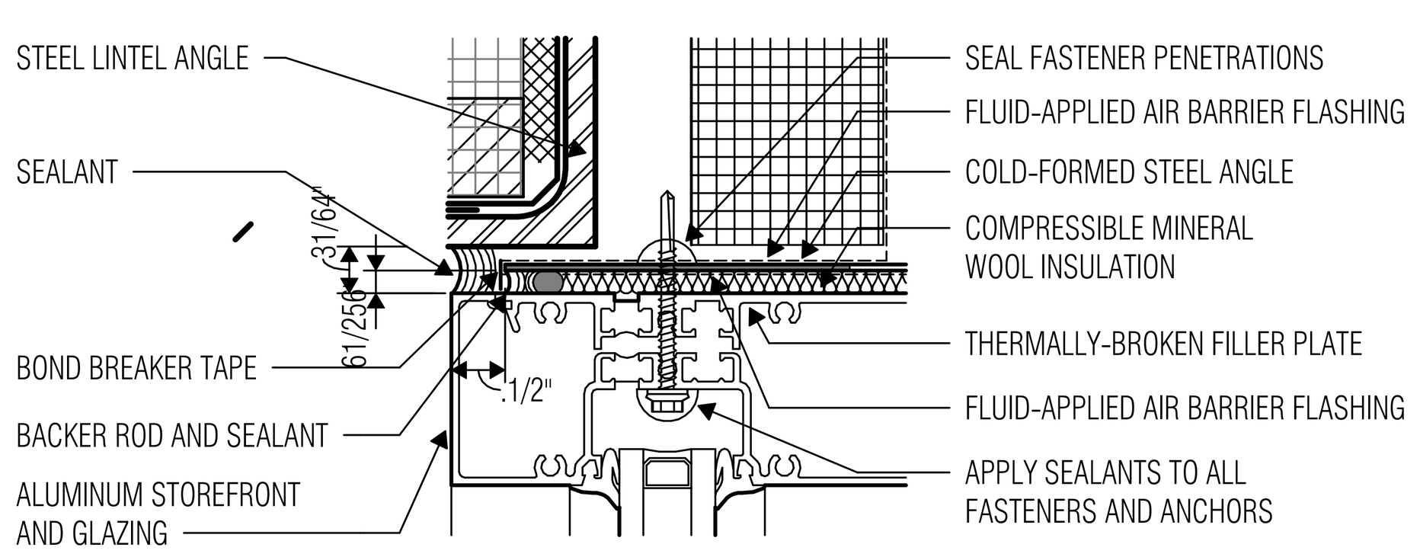
B NEW ALUM. FRAME AND GLAZING

C NEW ALUM. FRAME AND GLAZING

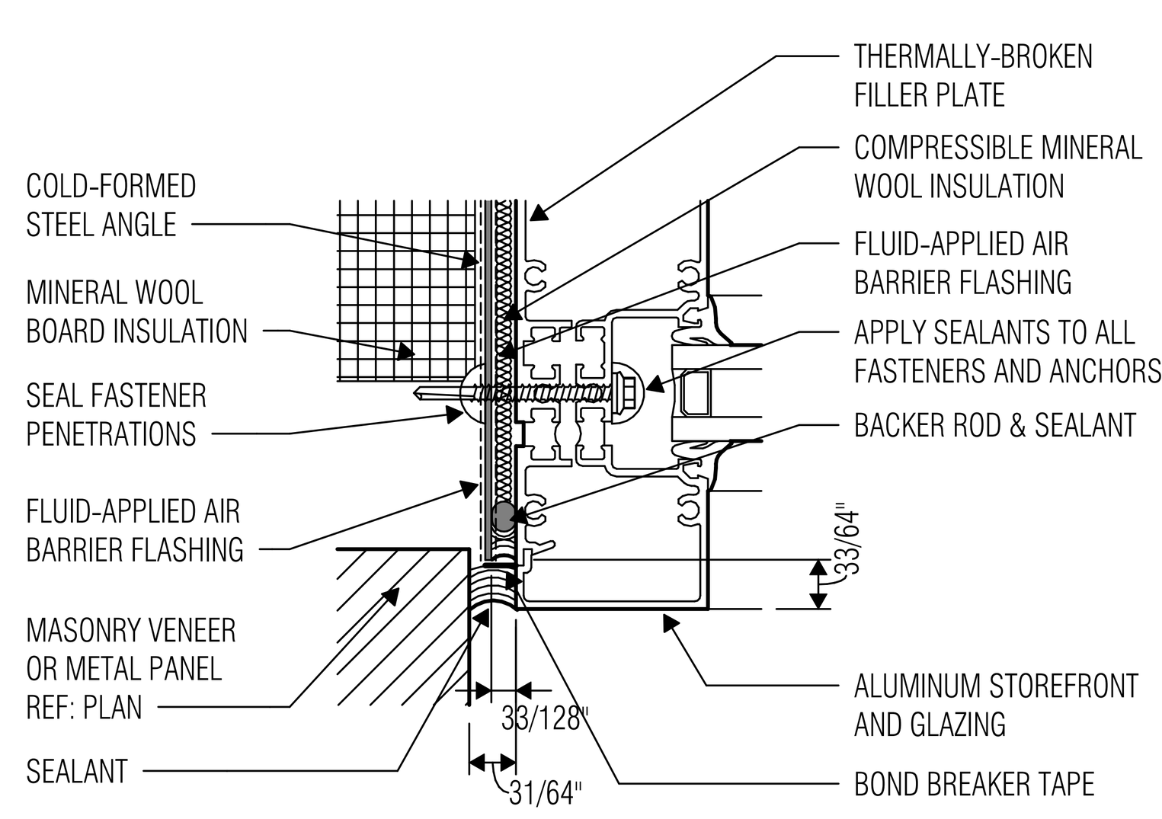
D NEW ALUM. FRAME, DOOR AND GLAZING

E NEW ALUM. FRAME, AND GLAZING

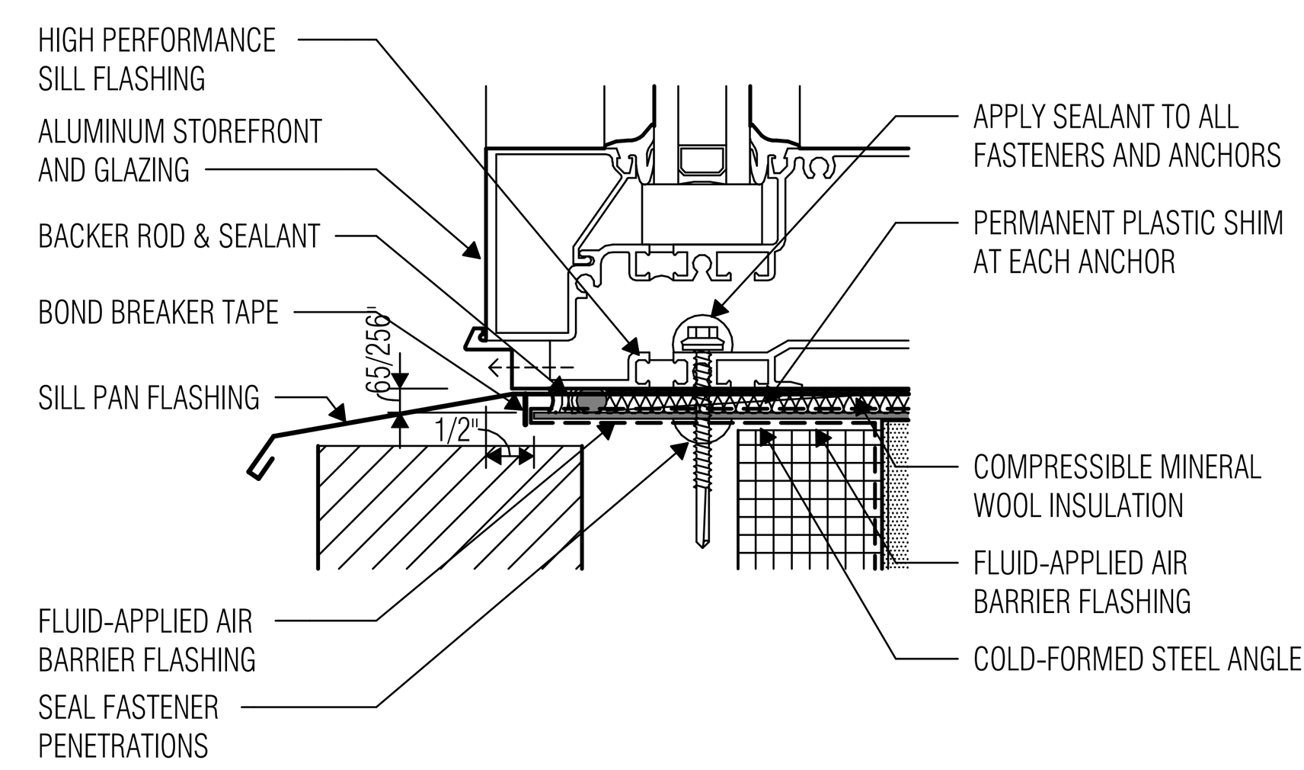
F NEW ALUM. FRAME AND GLAZING



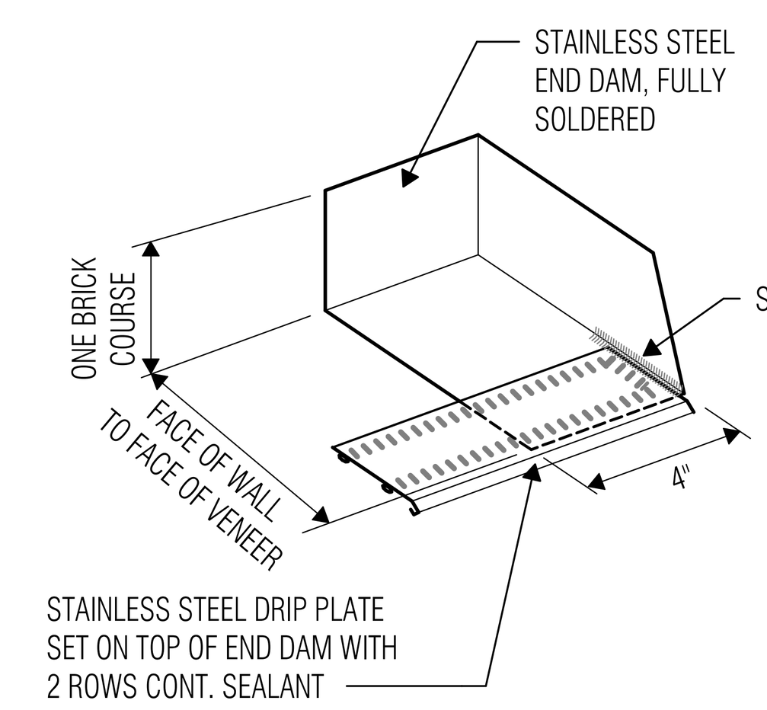
5 DETAIL AT STOREFRONT HEAD FLASHING
SCALE: 6" = 1'-0"



6 DETAIL AT STOREFRONT JAMB FLASHING
SCALE: 6" = 1'-0"



7 DETAIL AT STOREFRONT SILL FLASHING
SCALE: 6" = 1'-0"



8 S.S. END DAM AT DOOR & WINDOW JAMBS
SCALE: 3" = 1'-0"

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

24-02-5754-R-RFP

REGISTERED ARCHITECT — STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

Director: RSJ
Drawn By: TQ, BW, DG
Designer: BE
Quality Control
Proj. Arch.: TQ

PROJECT NO.
23-148.00

SHEET TITLE
GLAZING ASSEMBLY ELEVATIONS

SHEET NO.
A7.10

2024 Cy-Creek HS Renovation

FINISH ACCESSORY, FURNITURE AND EQUIPMENT SCHEDULE

NOTE: ALL MATERIALS, PRODUCTS, SIZES, COLORS AND PATTERNS ARE THE BASIS OF DESIGN. REFERENCE PROJECT MANUAL FOR ADDITIONAL APPROVED MANUFACTURERS MEETING THE DESIGN INTENT. SUBSTITUTIONS WILL BE CONSIDERED WHEN SUBMITTED IN COMPLIANCE WITH SECTION 01 62 00 – PRODUCT OPTIONS.

MARK	DESCRIPTION	SPEC SECTION	MANUFACTURER INFO			SIZE	COMMENTS
			MANUFACTURER	SERIES/STYLE	COLOR/FINISH		
EXTERIOR EQUIPMENT AND SPECIALTIES							
EJ	Expansion Joint Covers	07 95 00	As Specified	As Specified		-	
FLOOR FINISH ACCESSORY							
FFA-01	FLOOR TRANSITION	09 68 00	Schluter	Reno-U	Satin Nickel Anodized Aluminum (AT)	--	LVT to T/ RF to T. Provide floor transition to match flooring thickness.
FFA-02	FLOOR TRANSITION	09 68 00	Schluter	Schiene	Satin Nickel Anodized Aluminum (AT)	--	T to CO; T to Exissting T. Provide floor transition to match flooring thickness.
FFA-03	FLOOR TRANSITION	09 68 00	Johnsonite	Wheeled Traffic Transition	Black 40	--	RF to CPT. Provide flor transition to match flooring thickness.
G-01	GROUT - COLOR A	09 30 13	Mapei	--	5009 Gray	--	PORCELAIN FLOOR
SPECIALTY EQUIPMENT							
DC	Display Case (Manufactured/Millwork)	10 12 00	Claridge	As Specified	Architect to Select.		
FEC	Fire Extinquisher Cabinet	10 44 13	--	--	--	-	
HB	Horizontal Blinds	12 21 13	As Specified	As Specified	Architect to Select.		
ID	IDENTIFYING DEVICES	10 14 00	--	--	Architect to Select.		
LK-01	Lockers - Metal	10 51 13	As Specified	As Specified	As Specified		
MB	Markerboard - Premanufactured	10 11 16	Claridge	As Specified	White		
TB	Tackboard	10 11 16	Claridge	As Specified.	Architect to Select.		
TC	Toilet Compartment - Solid Phenolic	10 21 13	Scranton	As Specified	Black Paisley	-	
WALL FINISH ACCESSORY							
CG-01	Corner Guard - Metal	10 26 23.13	Construction Specialites, Inc.	Stainless Steel Corner Guard	CO-08	Full Height	At Serving and Kitchen.
CG-02	Wall End Cap - Metal	10 26 23.13		Stainless Steel Wall End Cap	Stainless Steel	Full Height	At Serving and Kitchen.
G-02	GROUT - COLOR B	09 30 13	Mapei	--	5009 Gray	--	WALL TILE
WFA-01	Tile Edge/Corner Trim - Metal	09 30 00	Schluter	Rondec	Satin Nickel Anodized Aluminum (AT)	--	

MATERIAL FINISH SCHEDULE

NOTE: ALL MATERIALS, PRODUCTS, SIZES, COLORS AND PATTERNS ARE THE BASIS OF DESIGN. REFERENCE PROJECT MANUAL FOR ADDITIONAL APPROVED MANUFACTURERS MEETING THE DESIGN INTENT. SUBSTITUTIONS WILL BE CONSIDERED WHEN SUBMITTED IN COMPLIANCE WITH SECTION 01 62 00 – PRODUCT OPTIONS.

MARK	SPEC SECTION	MANUFACTURER INFO				COMMENTS
		MANUFACTURER	SERIES/STYLE	COLOR/FINISH	SIZE	
CEILING FINISH						
ACP-01	09 51 00	Wenger Corp.	Pyramid Diffuser Panel	White	48' x 48' x 16"	
ACT-01a	09 51 00	Armstrong	School Zone Fine Fissured	White	24" x 24"	
ACT-01b	09 51 00	Armstrong	School Zone Fine Fissured	White	24" x 24"	
ACT-02a	09 51 00	Armstrong	Cortega 770	White	24" x 24"	
ACT-02b	09 51 00	Armstrong	Cortega 770	White	24" x 24"	
ACT-03a	09 51 00	Armstrong	Calla 2820	White	24" x 24"	
ACT-03b	09 51 00	Armstrong	Calla 2820	White	24" x 24"	
ACT-04	09 51 00	Armstrong	Clean Room VL 868	White	24" x 24"	
PT-07	09 91 00	Sherwin Williams	--	Pure White SW 7005	--	
EXTERIOR FINISH						
MA-01	04 20 00	ACME		Crimson BL-3	King	
MA-02	04 20 00	ACME		Ridgemar	King	
MA-03	04 20 00	ACME		Americana	King	
MA-04	04 20 00	FEATHERLITE		Architect to Select		
MP-01	07 42 13	Berridge	--	Architect to Select	--	Athletic Storage
MP-02	07 42 13	Berridge	--	-Royal Blue-	--	Athletic Storage & Pressbox
PT-06	09 91 00	Sherwin Williams	SW A-100 Exterior Acrylic Latex Paint	Greens SW6748	--	Location: Tennis Beat Wall
FLOOR FINISH						
CO-01	03 30 00	--	--	--	--	
CO-02	03 30 00	--	--	--	--	
CPT-01	09 68 00	Tarkett	03026 Aftermath II	Tapestry 23512	Roll	
LVT-01	09 65 00	Tarkett	Event Abstract	Hydra 11179	18"X18"	
LVT-02	09 65 00	Tarkett	Event Abstract	SIltstone 11187	18"X18"	
LVT-03	09 65 00	Tarkett	Event Abstract	Pietro 11188	18"X18"	
LVT-04	09 65 00	Mohawk	Molveno Stones	Grey Matters 2939	11.75" X 35.75"	
RF-01	09 65 16	Forbo	MCT	Black 2939	13" X 13" Tile	
T-01	09 30 00	Daltile	Synchronic	Taupe SY32	12" X 24" Tile	
T-02	09 30 00	Daltile	Harmonist	Tranquil HM21	12"X12"	
T-03	09 30 00	Daltile	Harmonist	Serene HM20	12"X12"	
T-04	09 30 00	Crossville	Cross-Color Mingles	Burgundy Smoke A790	12"X12"	
T-05	09 30 00	Daltile	Natural Hues	Blueberry NH46	12"X12"	
T-06	09 30 00	Daltile	QueTread - Quarry Tile	Gray Square 0Q92	6" X 6"	
T-07	09 30 00	Daltile	Keystones	Uptown Taupe D132	2"X2"	
MILLWORK & ARCHITECTURAL FINISHES						
PL-01	08 14 23	Wilsonart	--	Amber Cherry 7919K-78	--	Run wood grain vertical.
PL-02	12 32 16	Wilsonart	--	Canyon Zephyr 4842-80	--	
PL-03	12 32 16	Wilsonart	--	Navy Legacy 4651-60	--	
PL-04	12 32 16	Wilsonart	--	Black 1595	--	
PL-05	12 32 16	Wilsonart	--	Blackbird 5024	--	
QTZ-01	12 36 61.19	Cambria	Luxury Series	Inverness Bristol Bay	--	
QTZ-02	12 36 61.19	Cambria	Signature Series	Carrick	--	
QTZ-03	12 36 61.19	Cambria	Signature Series	Carrick	--	
WALL BASE FINISH						
BC-01	09 65 13	Roppe	700 Series - Standard	193 Black Brown	4"	
BC-02	09 65 13	Roppe	700 Series - Standard	100 Black	4"	
TB-01	09 30 00	Daltile	Harmonist	Tranquil HM21	8"X8"	Cut tile base to match existing height.Contractor to verify in field.
TB-02	09 30 00	Daltile	Synchronic - Cove Base	Taupe SY32	6"X12"	
WALL FINISH						
AWP-01	09 84 13	Armstrong	2" Soundsoak	Guilford of Maine FR701-2100; Bone 748	VARIES x 3" THK	Refer to A3 Series for Locations
AWP-02	09 84 13	Armstrong	2" Soundsoak	Guilford of Maine FR701-2100; Silver Neutral 406	VARIES x 3" THK	Refer to A3 Series for Locations
AWP-03	09 84 13	Armstrong	2" Soundsoak	Guilford of Maine FR701-2100; Baltic 153	VARIES x 3" THK	Refer to A3 Series for Locations
AWP-04	09 84 13	Armstrong	2" Soundsoak	Guilford of Maine FR701-2100; Blue Plum 553	4' x 4' x 2" THK	Refer to A3 Series for Locations
PT-01	09 91 00	Sherwin Williams	--	SW7029 Agreeable Gray	--	**REF. INT Elev, INT Finish Plans & RCPs
PT-02	09 91 00	Sherwin Williams	--	SW7024 Functional Gray	--	**REF. INT Elev, INT Finish Plans & RCPs
PT-03	09 91 00	Sherwin Williams	--	SW6524 Commodore	--	**REF. INT Elev, INT Finish Plans & RCPs
PT-04	09 91 00	Sherwin Williams	--	SW7048 Urbane Bronze	--	**REF. INT Elev, INT Finish Plans & RCPs
PT-05	09 91 00	Sherwin Williams	--	SW6993 Black of Night	--	**REF. INT Elev, INT Finish Plans & RCPs
T-08	09 30 00	Daltile	Synchronic	Beige SY31	12" X 24" Tile	
T-09	09 30 00	Daltile	Synchronic	Taupe SY32	12" X 24" Tile	
T-10	09 30 00	Daltile	Stencil	Indigo SC38	4"X12"	
T-11	09 30 00	Daltile	Stencil	Berry SC38	4"X12"	
T-12	09 30 00	Daltile	Natural Hues	Blueberry NH46	2"X8"	

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REGISTERED ARCHITECT
RUDOLPH STARKS JR.
24202
STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02/06/2025

2024 Cy-Creek HS Renovation

Director: RSJ
Drawn By: TQ, BW, DG
Designer: BE
Quality Control
Proj. Arch.: TQ

PROJECT NO.
23-148.00

SHEET TITLE
MATERIAL FINISH SCHEDULES

SHEET NO.
A9.01

1 FINISH FLOOR PLAN - LEVEL ONE - UNIT N
SCALE: 1/8" = 1'-0"

INTERIOR FINISH LEGEND

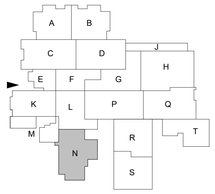
	C0-01	CONCRETE, SEALED
	C0-02	CONCRETE, POLISHED
	CPT-01	CARPET - FIELD [ROLL]
	LVT-01	LUXURY VINYL TILE - FIELD [18"X18"]
	LVT-02	LUXURY VINYL TILE - ACCENT [18"X18"]
	LVT-03	LUXURY VINYL TILE - ACCENT [18"X18"]
	LVT-04	LUXURY VINYL TILE
	RF-01	RESILIENT FLOOR ACCENT [TILE]
	T-01	PORCELAIN TILE - FIELD [12"X24"]
	T-02	PORCELAIN TILE - CORRIDOR [12"X12"]
	T-05	PORCELAIN TILE - CORRIDOR [12"X12"]
	T-06	QUARRY TILE [6"X6"]
	T-07	PORCELAIN TILE - SHOWER [2"X2"]

WALL FINISH LEGEND

----------	WAINSCOT PAINT HEIGHT 01
— · — · —	WAINSCOT PAINT HEIGHT 02
- - - - - -	WTP-02

NOTE: REFER TO INTERIOR ELEVATION DETAILS SHEET FOR WALL PATTERN DETAILS.

NOTE: PRINT A9 SERIES IN COLOR.



KEY PLAN - LEVEL ONE

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HOUSTON, TEXAS

24-02-5754-R-RFP

2024 Cy-Creek HS Renovation

02/06/2025

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RSJ	TQ, BW, DG
Designer	Quality Control
BE	
Proj. Arch.	
TQ	

PROJECT NO.

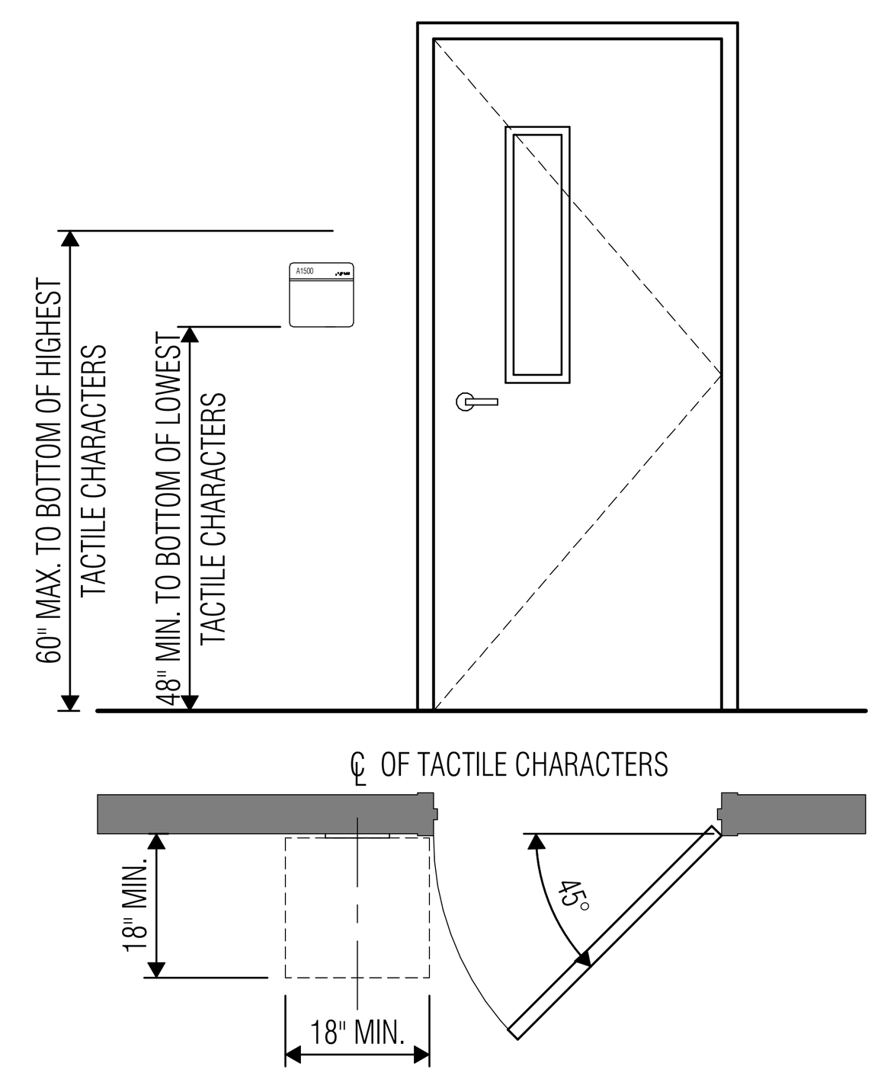
23-148.00

SHEET TITLE

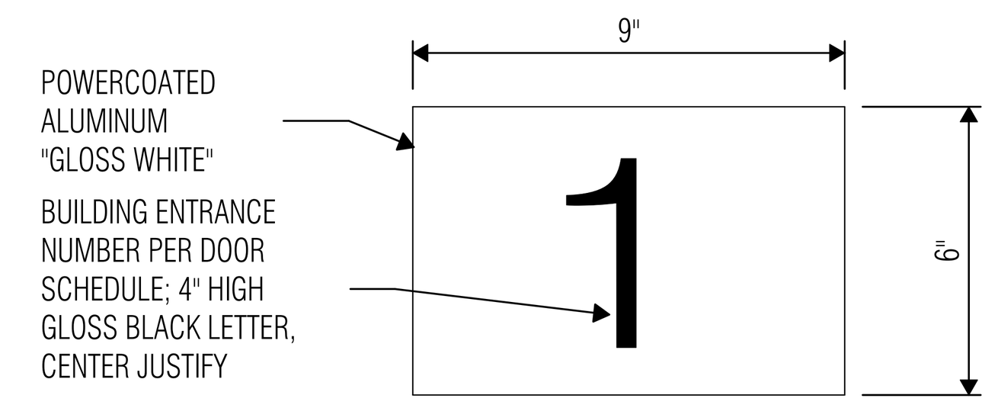
INTERIOR FINISH PLAN - LEVEL ONE - UNIT N

SHEET NO.

A9.11N

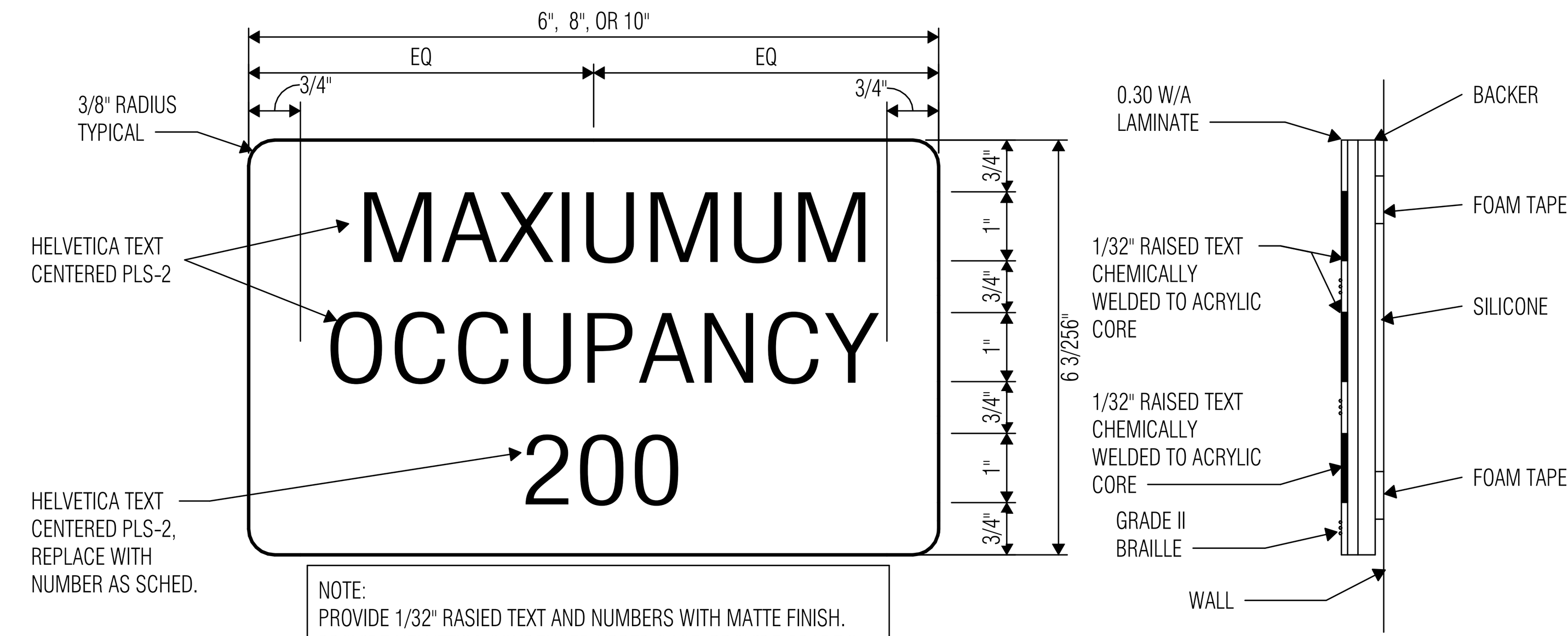


1 DETAIL/ELEV - DOOR SIGN
SCALE: 1/2" = 1'-0"



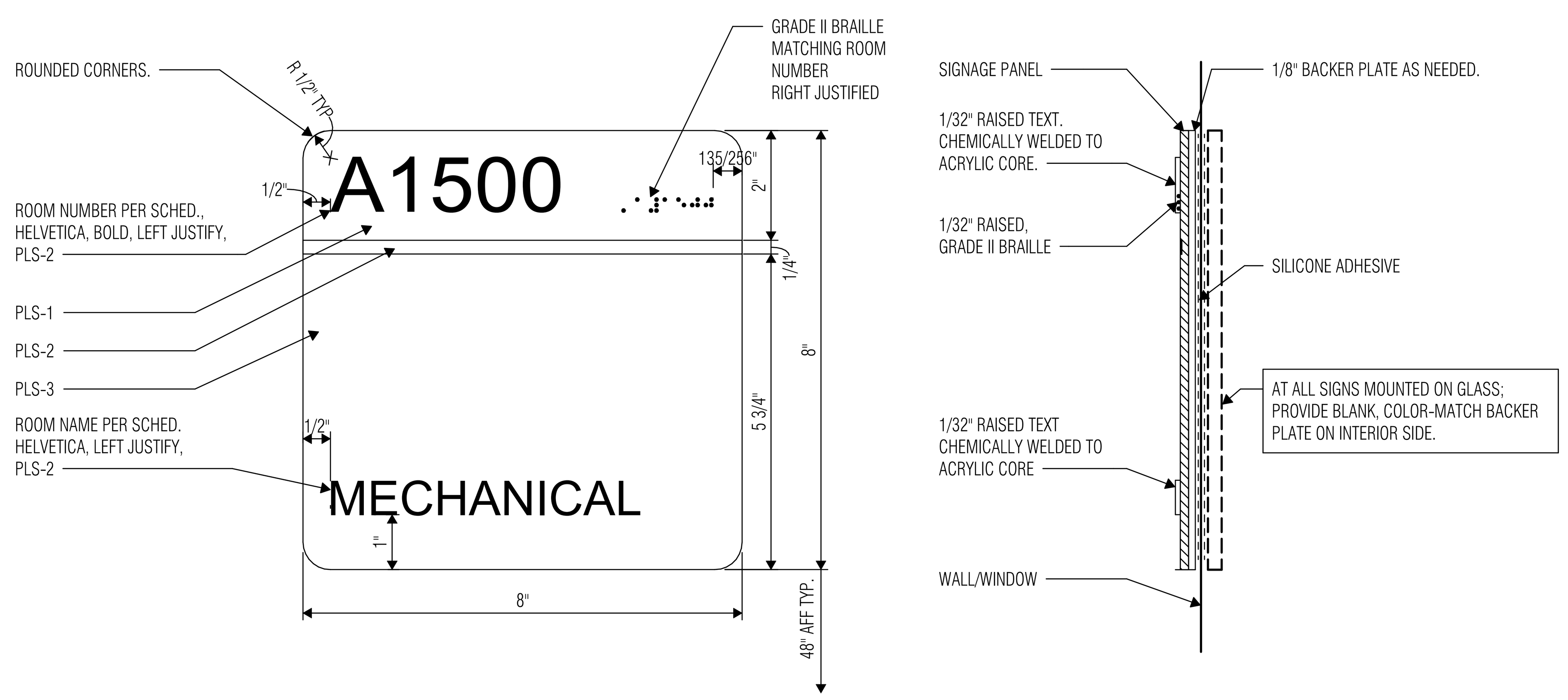
NOTE:
PROVIDE (2) SIGNS AT EACH ENTRANCE AS NOTED. ONE ON THE INTERIOR AND ONE ON THE EXTERIOR. BUILDING ENTRANCE SIGNS SHALL BE MOUNTED ABOVE AND CENTERED ON THE DOOR(S), WITH MECHANICAL FASTENERS (ON WALL) OR CLEAR DOUBLE SIDED VHB TAPE (ON GLAZING).

2 SIGN TYPE 'D'
SCALE: 3" = 1'-0"

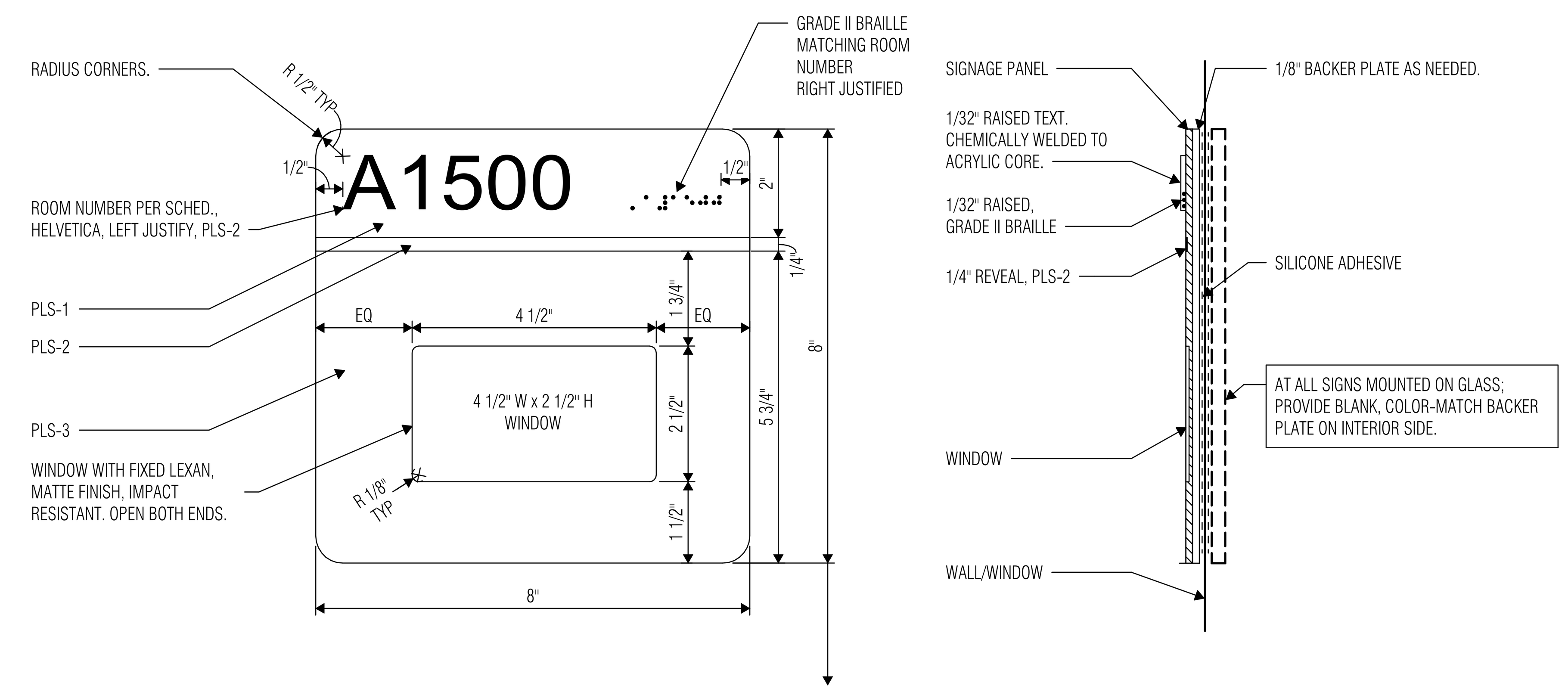


NOTE:
PROVIDE 1/32" RASIED TEXT AND NUMBERS WITH MATTE FINISH. PROVIDE HELVETICA CONDENSED UPPER CASE. PROVIDE GRADE II BRAILLE FOR TEXT AND NUMBERS TO MEET T.A.S. REQUIREMENTS.

3 SIGN TYPE 'C'
SCALE: 6" = 1'-0"



4 SIGN TYPE 'A'
SCALE: 6" = 1'-0"



5 SIGN TYPE 'B'
SCALE: 6" = 1'-0"

GENERAL SIGNAGE NOTES

1. ALL SIGNAGE TO BE PROTECTED IN PLACE, U.N.O. CONTRACTOR SHALL REPLACE ANY DAMAGED SIGNAGE.
2. ALL NEW INTERIOR SIGNS TO MATCH EXISTING CAMPUS COLOR SCHEMES. PROVIDE SAMPLES FOR ARCHITECT APPROVAL.
3. PROVIDE SIGN TYPE D FOR ALL EXTERIOR DOORS.
4. REFER TO DOOR SCHEDULE FOR SIGNAGE LOCATIONS.

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HOUSTON,TEXAS

24-02-5754-R-RFP

REGISTERED ARCHITECT – STATE OF TEXAS
02/06/2025

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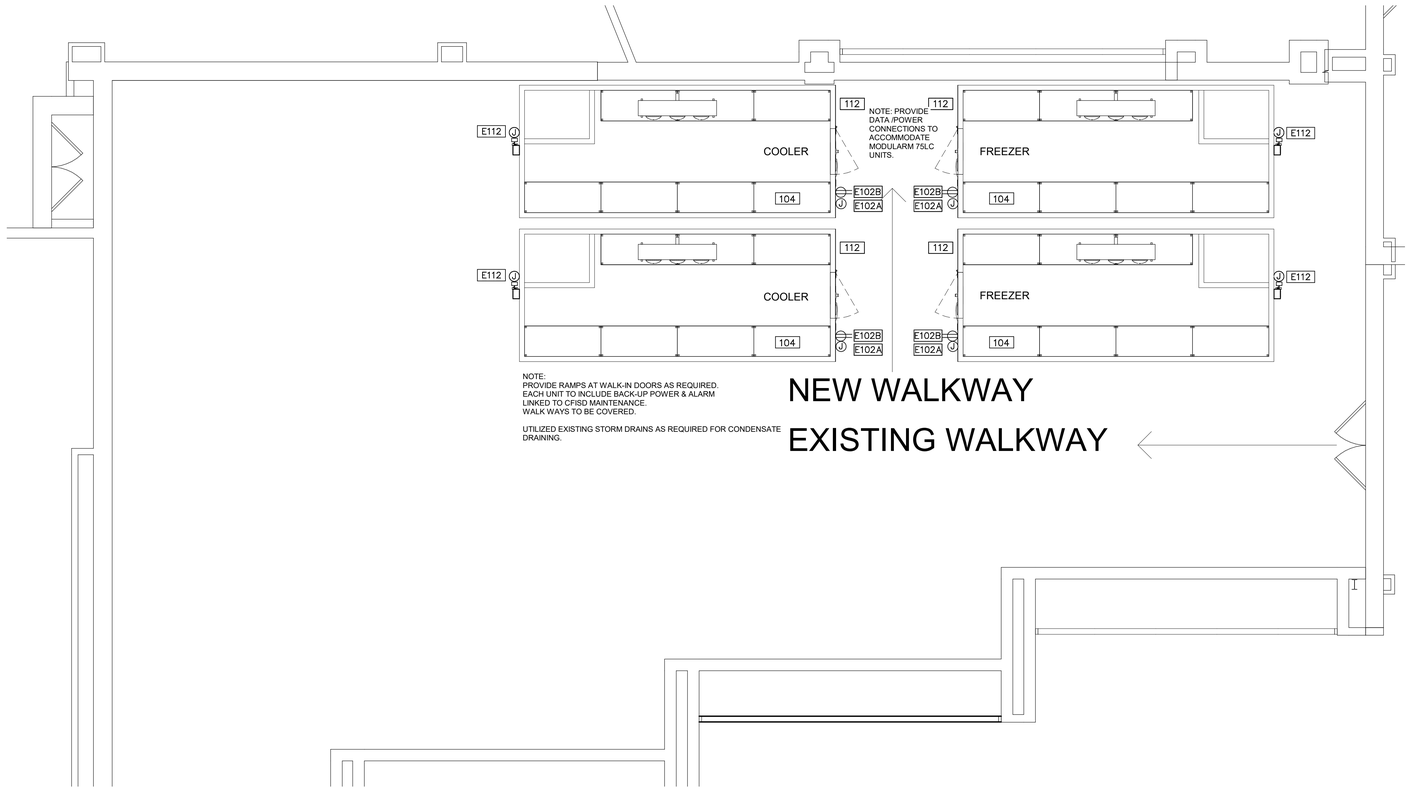
Director RSJ
Drawn By TQ, BW, DG
Designer BE
Quality Control
Proj. Arch. TQ

PROJECT NO.
23-148.00

SHEET TITLE
ROOM SIGNAGE DETAILS

2024 Cy-Creek HS Renovation

SHEET NO.
A9.20



2 FOOD SERVICE TEMP. COLD STORAGE EQUIP. & ELEC. PLAN Copy 1
1/4" = 1'-0"

FOOD SERVICE EQUIPMENT SCHEDULE - TEMP COLD STORAGE			
REFER TO SHEET QF1 FOR GENERAL CONTRACTOR & HEALTH DEPARTMENT COORDINATION NOTES			
FDP ITEM	FDP QTY	FDP DESCRIPTION	FDP REMARKS
104	4	COLD STORAGE SHELVING	OWNER FURNISHED
112	4	FREEZER STORAGE ASSEMBLY	OWNER FURNISHED

FOOD SERVICE ELECTRICAL SCHEDULE - TEMP COLD STORAGE

REFER TO SHEET QF1 FOR ELECTRICAL COORDINATION NOTES

FDP ENO	FDP ECONN	FDP ELOAD	FDP EVOLT	FDP EPH	FDP ESERVICE TO	FDP ELOC	FDP EAFF	FDP EREMARKS
E102A	JB	---	---	---	DATA CONNECTION	---	DFA	BTC; EMPTY CONDUIT FOR CAT5/6 CABLE
E102B	DR	11.9A	120	1	TEMP. ALARM	CLG	DFA	BTC
E112	JB/DS	27.4A	110/208-230	1	FREEZER	VERIFY	VERIFY	BTC

1

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HOUSTON,TEXAS

2024 Cy-Creek HS Renovation

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Director
Approver
Designer
Designer
Proj. Arch.
Checker

Drawn By
Author
Quality Control

PROJECT NO.
23-148.00

SHEET TITLE
FS TEMPORARY COLD STORAGE PLAN

SHEET NO.
FS2.2

FOODSERVICE DESIGN PROFESSIONALS

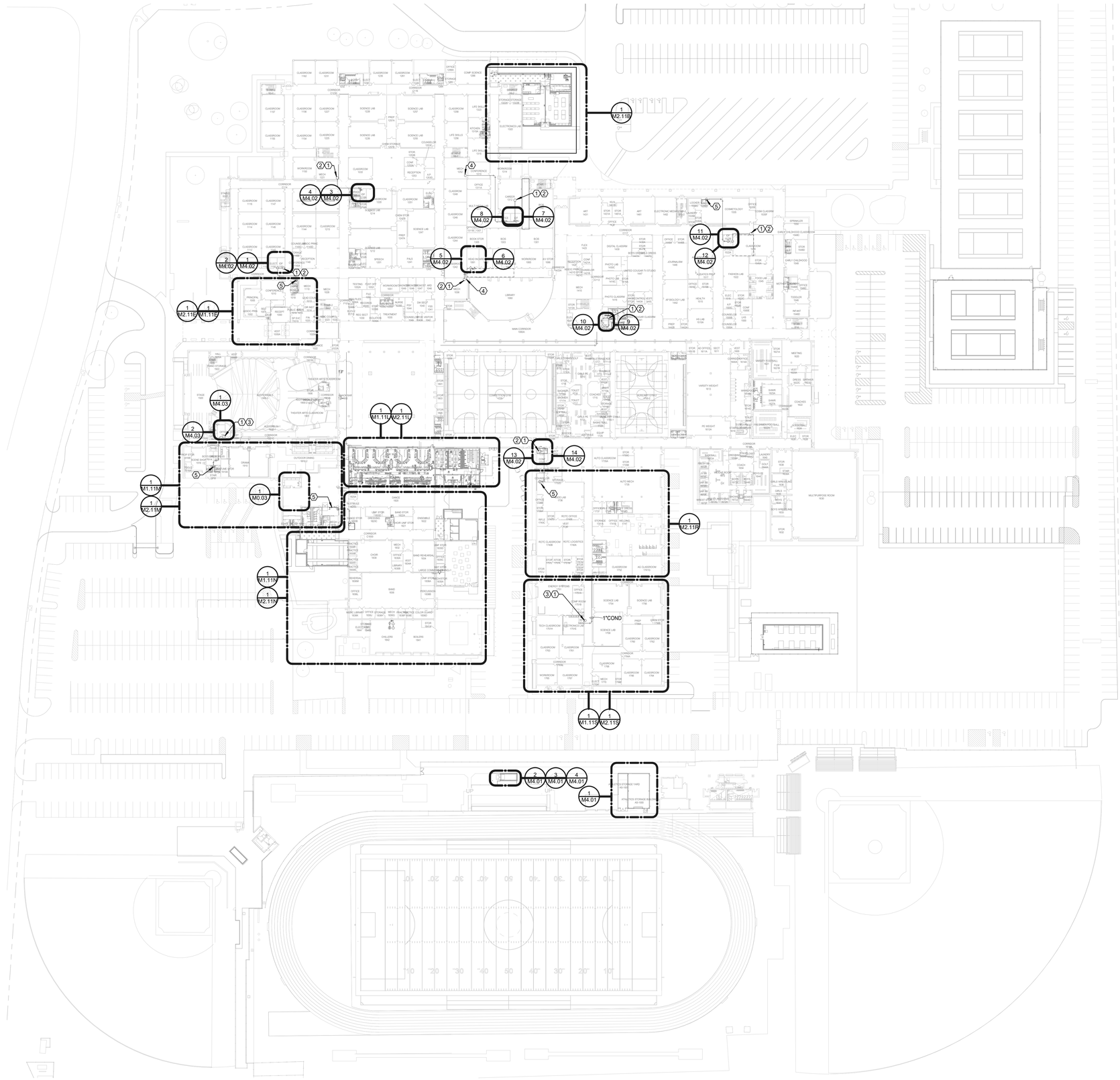
MECHANICAL NOTES:

1. ALL MECHANICAL SYSTEMS SHOWN ON THIS PLAN ARE FROM EXISTING DRAWINGS AND PRELIMINARY FIELD WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND SIZES OF MECHANICAL SYSTEMS PRIOR TO THE START OF WORK.
2. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL IN ALL HVAC EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO AIR COOLED CHILLERS, PUMPS AND CONTROLS.
3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF WORK.
4. **CAREFULLY DISCONNECT, REMOVE EXISTING AIR DEVICES, CLEAN, STORE AND PROTECT TO INSTALL BACK ONCE THE NEW CEILING TILES ARE INSTALLED IF REQUIRED.**

MECHANICAL KEYED NOTES:

1. ROUTE REFRIGERANT PIPING UP TO ASSOCIATED OUTDOOR UNIT ON ROOF. INSTALL PER MANUFACTURER RECOMMENDATIONS. PIPING SHOWN SINGLE LINE FOR CLARITY. RE: DETAIL 8 AND 13/S.03 FOR ADDITIONAL INFORMATION.
2. RE: 1/M0.02 FOR CONTINUATION.
3. RE: 1/M3.01 FOR CONTINUATION.
4. ROUTE FULL SIZE CONDENSATE DRAIN LINE AS HIGH AS POSSIBLE AND GRAVITY DRAIN TO FLOOR DRAIN. INSTALL TRAP PER MANUFACTURER. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.
5. ROUTE FULL SIZE CONDENSATE DRAIN LINE AS HIGH AS POSSIBLE AND GRAVITY DRAIN TO SINK WYE TAILPIECE. INSTALL TRAP PER MANUFACTURER. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.

ALL EXISTING DIFFUSERS/GRILLES TO REMAIN IN CEILING GRID. WHERE AIR DEVICES ARE LOCATED WITHIN CEILING TILE, CONTRACTOR SHALL CAREFULLY REMOVE, STORE AND REINSTALL IN NEW CEILING TILE. REFER TO ARCHITECTURAL PLANS FOR AREAS THAT THE CEILING GRID/CEILING TILES IS BEING REPLACED.



N

1 **MECHANICAL FLOOR PLAN - LEVEL 1 COMPOSITE**
Scale: 1" = 50'-0"

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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05939-00

CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

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Approver
Designer CA/SS
Proj. Arch.

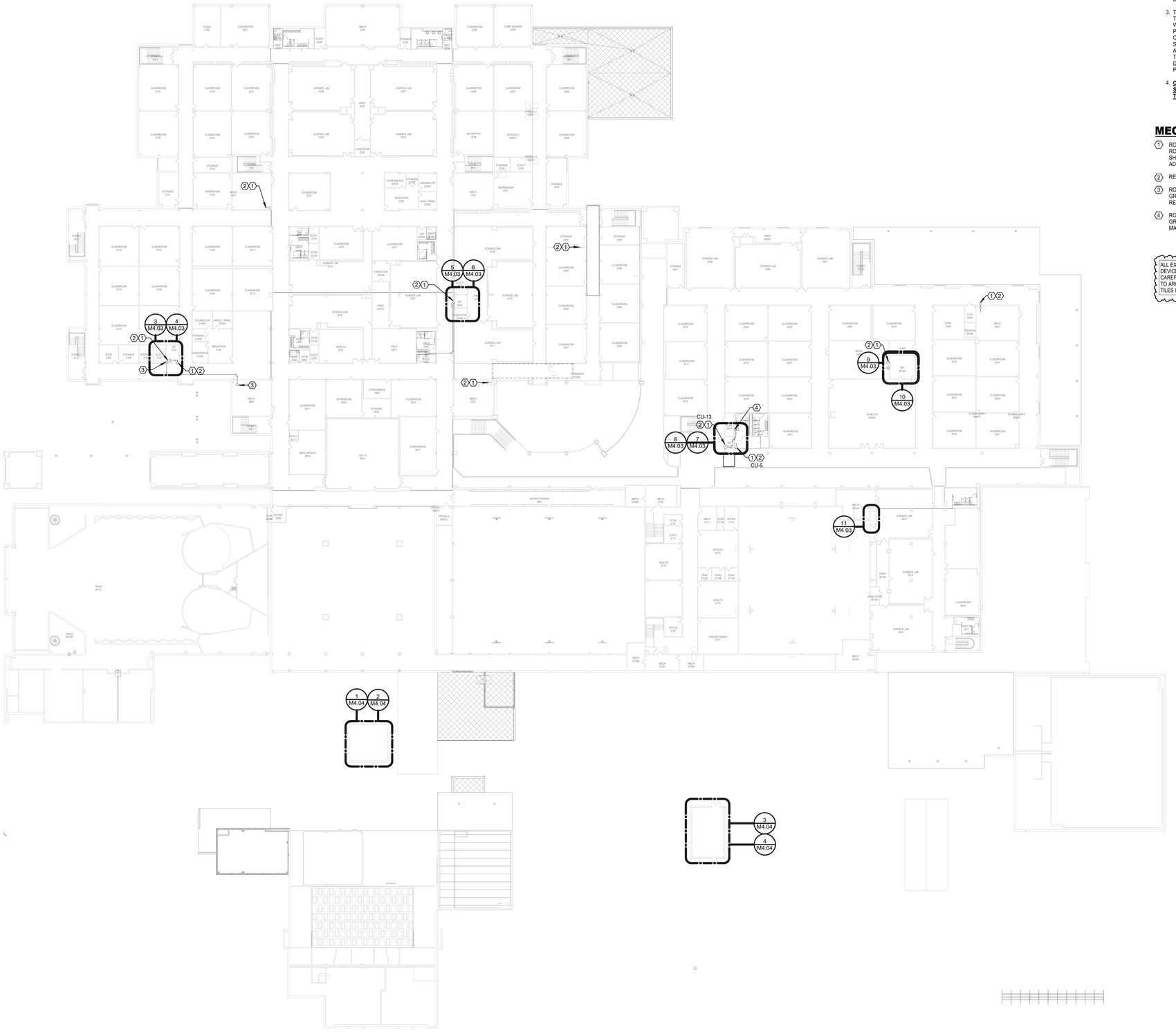
Drawn By CA/SS
Quality Control

PROJECT NO.
23-148.00

SHEET TITLE
MECHANICAL COMPOSITE PLAN - FIRST FLOOR

SHEET NO.
M0.01

2024 Cy-Creek HS Renovation



MECHANICAL NOTES:

1. ALL MECHANICAL SYSTEMS SHOWN ON THIS PLAN ARE FROM EXISTING DRAWINGS AND PRELIMINARY FIELD WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND SIZES OF MECHANICAL SYSTEMS PRIOR TO THE START OF WORK.
2. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL IN ALL HVAC EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO AIR COOLED CHILLERS, PUMPS AND CONTROLS.
3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF WORK.
4. **CAREFULLY DISCONNECT, REMOVE EXISTING AIR DEVICES, CLEAN, STORE AND PROTECT TO INSTALL BACK ONCE THE NEW CEILING TILES ARE INSTALLED IF REQUIRED.**

MECHANICAL KEYED NOTES:

1. ROUTE REFRIGERANT PIPING UP TO ASSOCIATED OUTDOOR UNIT ON ROOF. INSTALL PER MANUFACTURER RECOMMENDATIONS. PIPING SHOWN SINGLE LINE FOR CLARITY. RE: DETAIL 8 AND 13/5.03 FOR ADDITIONAL INFORMATION.
2. RE: 1/M3.01 FOR CONTINUATION.
3. ROUTE FULL SIZE CONDENSATE DRAIN LINE AS HIGH AS POSSIBLE AND GRAVITY DRAIN TO FLOOR DRAIN. INSTALL TRAP PER MANUFACTURER. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.
4. ROUTE FULL SIZE CONDENSATE DRAIN LINE AS HIGH AS POSSIBLE AND GRAVITY DRAIN TO SINK WYE TAILPIECE. INSTALL TRAP PER MANUFACTURER. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.

1

ALL EXISTING DIFFUSERS/GRILLES TO REMAIN IN CEILING GRID. WHERE AIR DEVICES ARE LOCATED WITHIN CEILING TILE, CONTRACTOR SHALL CAREFULLY REMOVE, STORE AND REINSTALL IN NEW CEILING TILE. REFER TO ARCHITECTURAL PLANS FOR AREAS THAT THE CEILING GRID/CEILING TILES IS BEING REPLACED.

N

1 **MECHANICAL FLOOR PLAN - LEVEL 2 COMPOSITE**
Scale: 1" = 30'-0"

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Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS
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LICENSED
02/06/2025

ISSUED: JANUARY 20, 2025

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1	Addendum 2	02.06.2025

Director
Approver
Designer
CA/SS
Proj. Arch.
Checker

Drawn By
CA/SS
Quality Control

PROJECT NO.

23-148.00

SHEET TITLE

MECHANICAL COMPOSITE PLAN - SECOND FLOOR

SHEET NO.

M0.02

2024 Cy-Creek HS Renovation

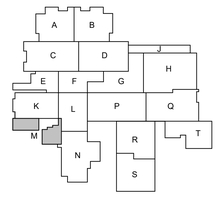
MECHANICAL GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL DUCT SIZES ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
4. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.
5. THERMOSTATS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR), UNLESS OTHERWISE NOTED.

MECHANICAL KEYED NOTES:

1. RELOCATE EXISTING SUPPLY GRILLE TO LOCATION SHOWN. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
2. REBALANCE EXISTING SUPPLY GRILLE TO CFM AS INDICATED.
3. EXISTING TEMPERATURE SENSOR TO REMAIN.

N 1 **PARTIAL MECHANICAL FLOOR PLAN - AREA M TEMPORARY OFFICE**
Scale: 1/4" = 1'-0"



KEY PLAN - LEVEL ONE

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Salas O'Brien Project Number: 2023-05939-00

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BRADLEY KALMANS
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LICENSED
02/06/2025

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Approver	CS/SS
Designer	Quality Control
CA/SS	
Proj. Arch.	
Checker	

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23-148.00

SHEET TITLE

MECHANICAL TEMPORARY PLANS

SHEET NO.

M0.03

CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

2024 Cy-Creek HS Renovation

SYMBOL LEGEND	
	POINT OF CONNECTION TO EXISTING
	ITEM TO REMAIN
	ITEM TO BE REMOVED

DEMOLITION GENERAL NOTES:

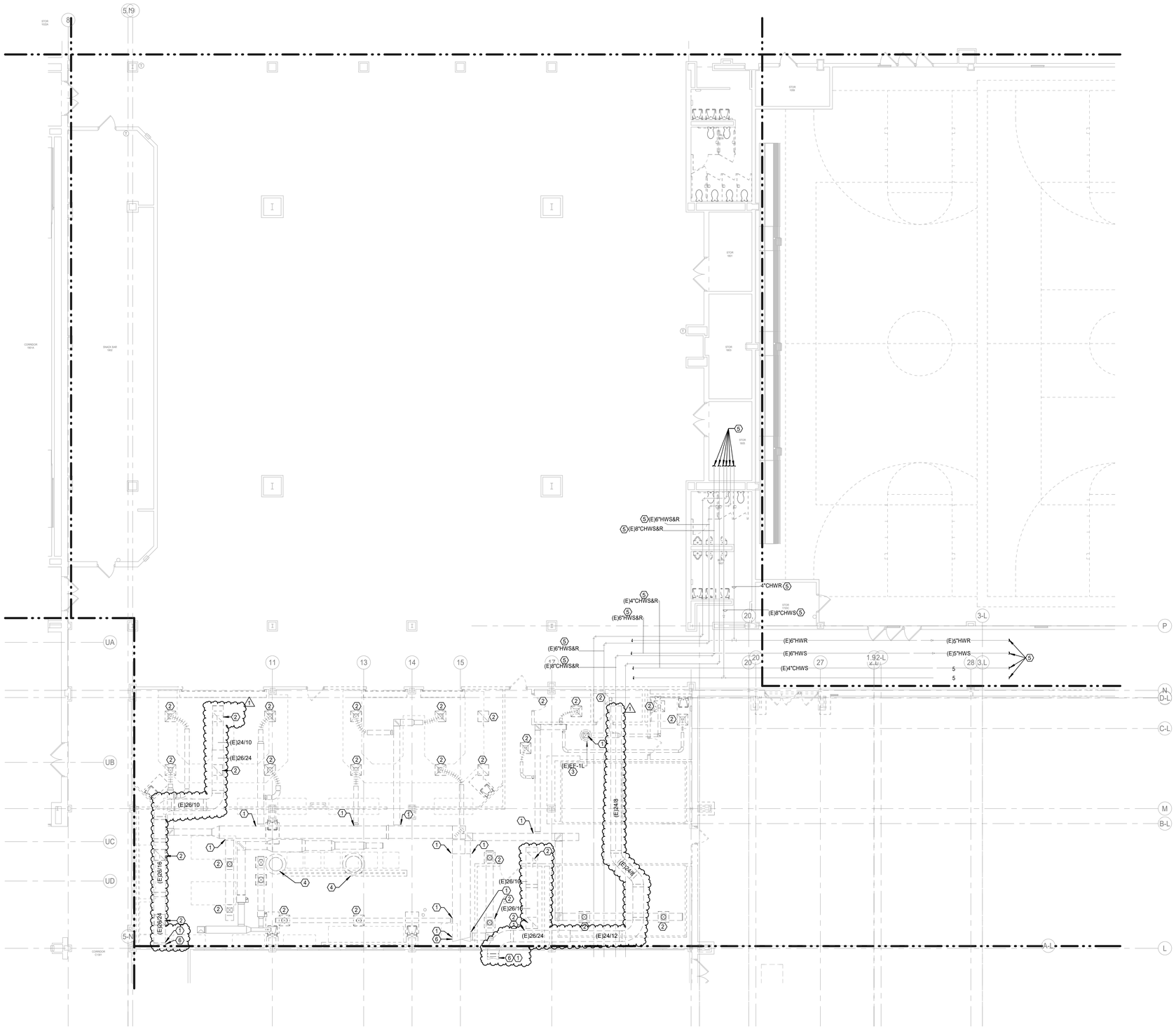
1. ALL EXISTING OPENINGS IN EXISTING TO REMAIN DUCTWORK NOT BEING REUSED ARE TO BE PATCHED, SEALED, AND REINSULATED.
2. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL HVAC EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO AIR COOLED CHILLERS, AIR HANDLING UNITS, VALVES, AIR DEVICES, FANS, VARIABLE FREQUENCY DRIVE (VFD), AND PUMPS.
3. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
4. ALL MECHANICAL SYSTEMS SHOWN ARE FROM EXISTING DRAWINGS AND PRELIMINARY FIELD WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND SIZES OF MECHANICAL SYSTEMS PRIOR TO START OF WORK.
5. REMOVE ALL UNUSED OR ABANDONED HANGER AND SUPPORTS OF DEMOLISHED EQUIPMENT AND MATERIAL.
6. ALL EXISTING AIR DEVICES SHALL REMAIN AND BE SECURED FROM STRUCTURE TO FACILITATE THE EXISTING CEILING DEMOLITION. AIR DEVICES INCLUDE BUT NOT LIMITED TO: SUPPLY DIFFUSERS/GRILLES, RETURN DIFFUSERS/GRILLES, AND EXHAUST DIFFUSERS/GRILLES.
7. CONTRACTOR SHALL DOCUMENT LOCATION OF ALL SUPPLY, RETURN, AND EXHAUST DIFFUSERS/GRILLES. PRIOR TO CEILING BEING REMOVED.
8. CONTRACTOR SHALL UPDATE BMCS GRAPHICS FOR ALL MECHANICAL EQUIPMENT BEING REMOVED FROM PROJECT.

DEMOLITION KEYED NOTES

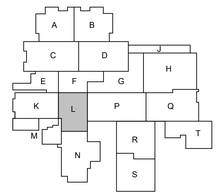
1. REMOVE EXISTING DUCTWORK WITH ALL ASSOCIATED APPURTENANCES BACK TO POINT INDICATED.
2. REMOVE GRILLE/DIFFUSER WITH ALL ASSOCIATED APPURTENANCES.
3. REMOVE EXISTING FAN WITH ALL ASSOCIATED APPURTENANCES.
4. REMOVE EXISTING GREASE EXHAUST FAN ALONG WITH ALL DUCTWORK AND ASSOCIATED APPURTENANCES.
5. EXISTING PIPING TO REMAIN ALONG WITH ALL ASSOCIATED APPURTENANCES.
6. RE: 1/M1.11N FOR CONTINUATION.

CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING. THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.



1 **MECHANICAL DEMOLITION FLOOR PLAN - LEVEL 1 - UNIT L**
Scale: 1/8" = 1'-0"



KEY PLAN - LEVEL ONE

VLK|ARCHITECTS

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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05939-00

CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

2024 Cy-Creek HS Renovation

Issue For Proposal

STATE OF TEXAS
BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
02/06/2025

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REVISIONS

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Approver	CA/SS
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Proj. Arch.	
Checker	

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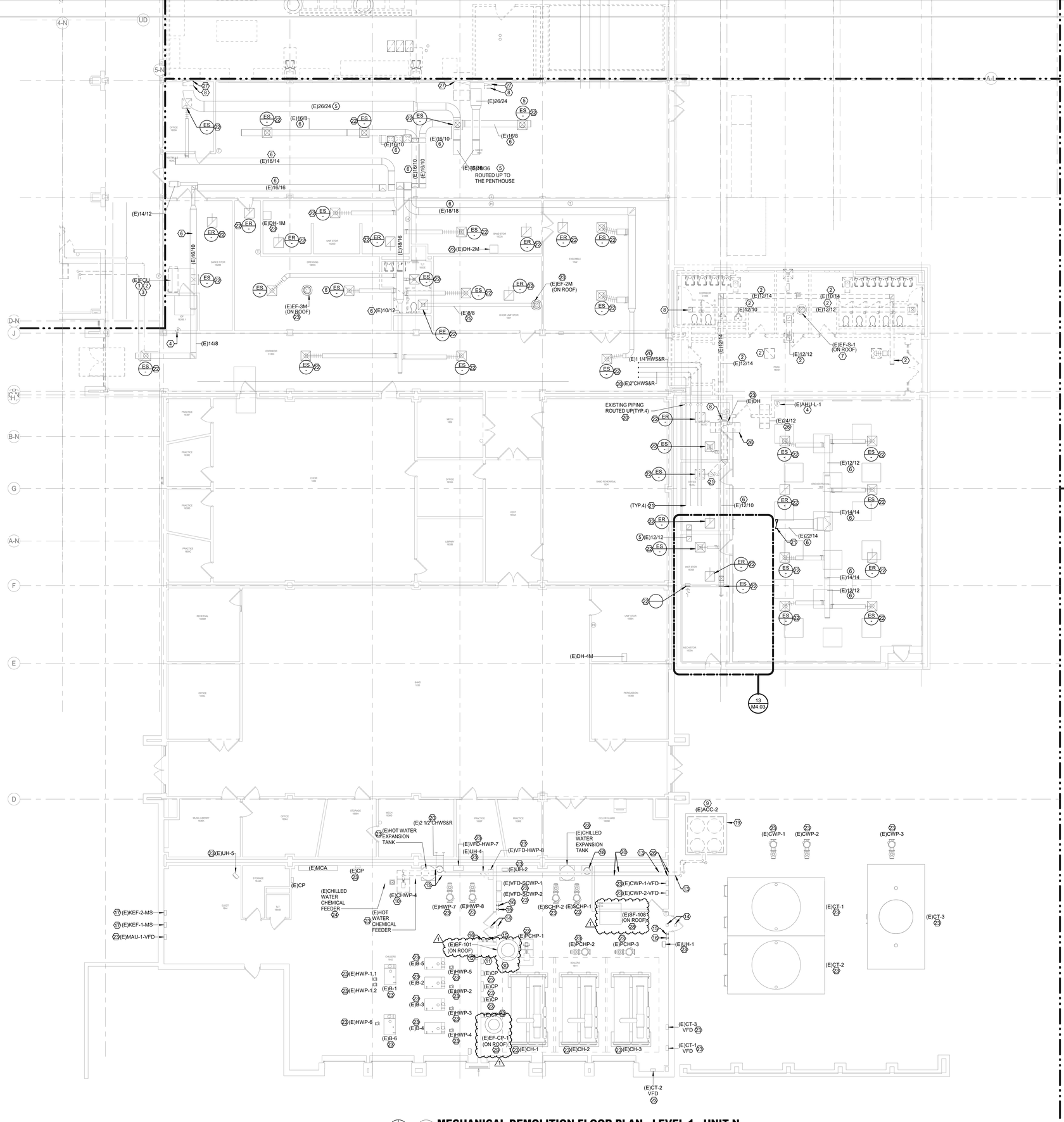
23-148.00

SHEET TITLE

MECHANICAL DEMOLITION FLOOR PLAN - LEVEL 1 - UNIT L

SHEET NO.

M1.11L



N 1 MECHANICAL DEMOLITION FLOOR PLAN - LEVEL 1 - UNIT N

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

SYMBOL LEGEND	
⊕	POINT OF CONNECTION TO EXISTING
	ITEM TO REMAIN
[ ]	ITEM TO BE REMOVED

DEMOLITION GENERAL NOTES:

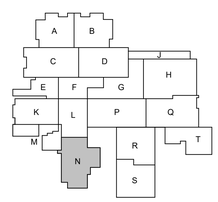
1. ALL EXISTING OPENINGS IN EXISTING TO REMAIN DUCTWORK NOT BEING REUSED ARE TO BE PATCHED, SEALED, AND REINSULATED.
2. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL HVAC EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO AIR COOLED CHILLERS, AIR HANDLING UNITS, VALVES, AIR DEVICES, FANS, VARIABLE FREQUENCY DRIVE (VFD), AND PUMPS.
3. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
4. ALL MECHANICAL SYSTEMS SHOWN ARE FROM EXISTING DRAWINGS AND PRELIMINARY FIELD WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND SIZES OF MECHANICAL SYSTEMS PRIOR TO START OF WORK.
5. REMOVE ALL UNUSED OR ABANDONED HANGER AND SUPPORTS OF DEMOLISHED EQUIPMENT AND MATERIAL.
6. ALL EXISTING AIR DEVICES SHALL REMAIN AND BE SECURED FROM STRUCTURE TO FACILITATE THE EXISTING CEILING DEMOLITION. AIR DEVICES INCLUDE BUT NOT LIMITED TO: SUPPLY DIFFUSERS/GRILLES, RETURN DIFFUSERS/GRILLES, AND EXHAUST DIFFUSERS/GRILLES.
7. CONTRACTOR SHALL DOCUMENT LOCATION OF ALL SUPPLY, RETURN, AND EXHAUST DIFFUSERS/GRILLES. PRIOR TO CEILING BEING REMOVED.
8. CONTRACTOR SHALL UPDATE BMCS GRAPHICS FOR ALL MECHANICAL EQUIPMENT BEING REMOVED FROM PROJECT.

DEMOLITION KEYED NOTES

1. REMOVE EXISTING DX FAN COIL UNIT ALONG WITH ALL ASSOCIATED APPURTENANCES.
2. REMOVE EXISTING DUCTWORK, GRILLES/DIFFUSERS AND ALL ASSOCIATED APPURTENANCES.
3. REMOVE EXISTING CONDENSATE DRAIN TO POINT INDICATED.
4. REMOVE EXISTING TEMPERATURE SENSOR ALONG WITH ALL ASSOCIATED WIRING.
5. EXISTING RETURN DUCT AND ALL ASSOCIATED APPURTENANCES TO REMAIN.
6. EXISTING SUPPLY DUCT AND ALL ASSOCIATED APPURTENANCES TO REMAIN.
7. REMOVE EXISTING EXHAUST FAN ALONG WITH ASSOCIATED DUCTWORK.
8. REMOVE EXISTING DUCTWORK TO POINT INDICATED.
9. REMOVE EXISTING AIR COOLED CHILLER.
10. REMOVE EXISTING CHILLED WATER PUMP.
11. REMOVE EXISTING REFRIGERANT MONITOR SYSTEM.
12. REMOVE EXISTING CARBON MONOXIDE DETECTION SYSTEM.
13. REMOVE PIPING BACK TO POINT INDICATED.
14. REMOVE EXISTING AUDIO VISUAL ALARM.
15. REMOVE EXISTING EMERGENCY CONTROL BUTTON.
16. REMOVE EXISTING VENT BUTTON.
17. REMOVE EXISTING KITCHEN EXHAUST FAN MOTOR STARTER.
18. REMOVE EXISTING CHILLED WATER CHEMICAL FEEDER.
19. EXISTING CONCRETE PAD TO REMAIN.
20. EXISTING PIPING AND ALL ASSOCIATED APPURTENANCES TO REMAIN.
21. RE: 13/M4.03 FOR CONTINUATION.
22. EXISTING DIFFUSERS/GRILLES AND ALL ASSOCIATED APPURTENANCES TO REMAIN.
23. EXISTING EQUIPMENT AND ALL ASSOCIATED APPURTENANCES TO REMAIN.
24. REMOVE EXISTING CHEMICAL FEEDER.
25. REMOVE EXISTING CHILLED WATER EXPANSION TANK.
26. REUSE EXISTING PENETRATIONS THROUGH EXTERIOR WALL.
27. RE: 1/M1.11L FOR CONTINUATION.
28. EXISTING SUPPLY FAN TO REMAIN.
29. EXISTING EXHAUST FAN TO REMAIN.
30. EXISTING PURGE EXHAUST FAN TO REMAIN.

CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING: THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.



KEY PLAN - LEVEL ONE

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Salas O'Brien Project Number: 2023-05939-00

CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

2024 Cy-Creek HS Renovation

Issue For Proposal

STATE OF TEXAS
BRADLEY KALMANS
80215
LICENSED
PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	CA/SS
Designer	Quality Control
CA/SS	
Proj. Arch.	
Checker	

PROJECT NO.

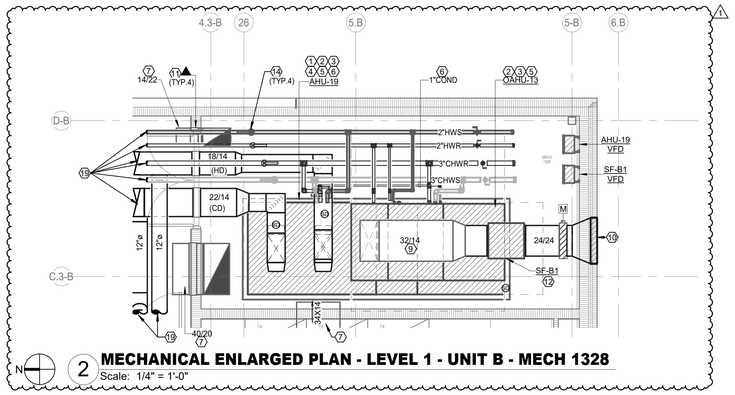
23-148.00

SHEET TITLE

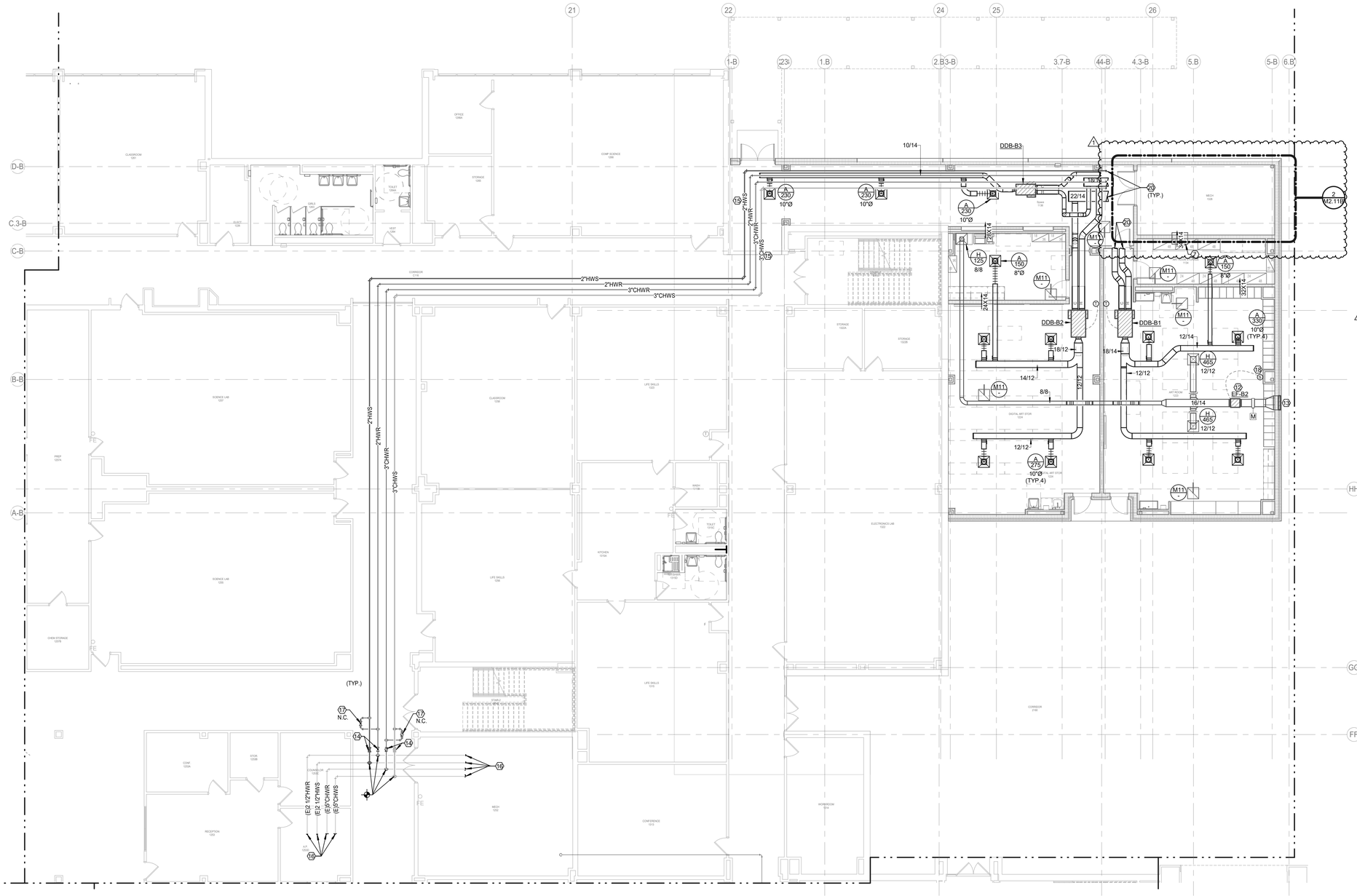
MECHANICAL DEMOLITION FLOOR PLAN - LEVEL 1 - UNIT N

SHEET NO.

M1.11N



N 2 **MECHANICAL ENLARGED PLAN - LEVEL 1 - UNIT B - MECH 1328**
Scale: 1/4" = 1'-0"



N 1 **MECHANICAL FLOOR PLAN - LEVEL 1 - UNIT B**
Scale: 1/8" = 1'-0"

MECHANICAL GENERAL NOTES

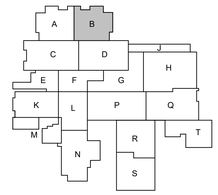
1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL DUCT SIZES ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
4. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.
5. THERMOSTATS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR), UNLESS OTHERWISE NOTED.

MECHANICAL KEYED NOTES:

1. PROVIDE 4" CONCRETE HOUSEKEEPING PAD.
2. VERIFY SERVICE CLEARANCE FOR AIR FILTER REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
3. VERIFY SERVICE CLEARANCE FOR FAN SHAFT AND COIL REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT
4. PROVIDE SHEET METAL PLENUM, FULL SIZE OF RETURN AIR OPENING; LENGTH AS REQUIRED FOR ALL DUCT CONNECTIONS SHOWN.
5. DUCT MOUNTED SMOKE DETECTOR SPECIFIED AND INSTALLED IN DIVISION 26.
6. ROUTE CONDENSATE DRAIN PIPE, SIZE AS INDICATED, TO FLOOR SINK. SLOPE PIPING TO ALLOW FOR GRAVITY DRAINAGE. INSTALL TRAP AS RECOMMENDED BY MANUFACTURER. REFER TO PLUMBING PLANS FOR EXACT LOCATION OF FLOOR SINK.
7. PROVIDE ACOUSTICALLY LINED RETURN AIR TRANSFER DUCT.
8. INSULATE AND PROVIDE ALUMINUM JACKETING ON ALL PIPING AS REQUIRED PER SPECIFICATIONS.
9. ROUTE OUTSIDE AIR DUCT, AT SIZE SHOWN, FROM THE SF-B1 OUTLET TO OAHU-13 INLET OPENING. TRANSITION DUCTWORK AS NECESSARY TO COMPLETE CONNECTION TO OAHU-13.
10. PROVIDE 36"W X 24"H INTAKE LOUVER, RUSKIN MODEL HZ700 OR EQUIVALENT, WITH A MINIMUM FREE AREA OF 2.78 SQUARE FEET. PROVIDE LOUVER WITH BIRDSCREEN AND MOTORIZED DAMPER. BOTTOM OF LOUVER SHALL BE MOUNTED AT 9'-6" AFF. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH OTHER TRADES NOT TO OBSTRUCT. RE: 8/M5.02 FOR DETAIL.
11. PROVIDE FIRE DAMPER AT WALL PENETRATION FOR BOTH COLD DECK DUCT, HOT DECK DUCT AND TRANSFER AIR DUCT.
12. SUSPEND UNIT WITH THREADED HANGER RODS ATTACHED TO UNISTRUT RUNNERS SECURED TO STRUCTURE. PROVIDE SPRING ISOLATION. REFER TO MANUFACTURER FOR MORE DETAILS.
13. PROVIDE 30"W X 20"H EXHAUST LOUVER, RUSKIN MODEL HZ700 OR EQUIVALENT, WITH A MINIMUM FREE AREA OF 1.81 SQUARE FEET. PROVIDE LOUVER WITH BIRDSCREEN AND MOTORIZED DAMPER. BOTTOM OF LOUVER SHALL BE MOUNTED AT 11'-0" AFF. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH OTHER TRADES NOT TO OBSTRUCT. RE: 8/M5.02 FOR DETAIL.
14. PROVIDE ISOLATION VALVE AT LOCATION SHOWN.
15. ROUTE CHW AND HW PIPES AS SIZE SHOWN. PROVIDE PIPE SUPPORT. RE:14/M5.03 FOR DETAIL. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
16. EXISTING PIPING TO REMAIN ALONG WITH ALL ASSOCIATED APPURTENANCES.
17. PROVIDE NEW BYPASS PIPING AND VALVES AS SHOWN TO ALLOW FOR ISOLATING THE NEW PIPING FROM THE EXISTING HYDRONIC LOOPS. TESTING, FLUSHING, AND TREATMENT OF NEW PIPING SHALL BE PERFORMED PRIOR TO OPENING THE NEW PIPING TO THE EXISTING HYDRONIC LOOPS. PURGERITE OR COMPARABLE COMPANY SHALL PROVIDE ASSISTANCE TO THE MECHANICAL CONTRACTOR PERFORM FLUSHING AND CLEANING AT DESIGN SYSTEM FLOW RATES. CHEMICAL TREATMENT MANUFACTURER SHALL TEST WATER TO CONFIRM COMPLIANCE OF FLUSHING AND TREATMENT OF WATER PRIOR TO OPENING THE NEW PIPING VALVES TO THE EXISTING HYDRONIC LOOPS.
18. PROVIDE 60-MINUTE TIMER SWITCH FOR EF-B2. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
19. RE: 1/M2.11B FOR CONTINUATION.
20. RE: 2/M2.11B FOR CONTINUATION.

CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING. THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.



KEY PLAN - LEVEL ONE

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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS — 80219 — LICENSED — STATE OF TEXAS — PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

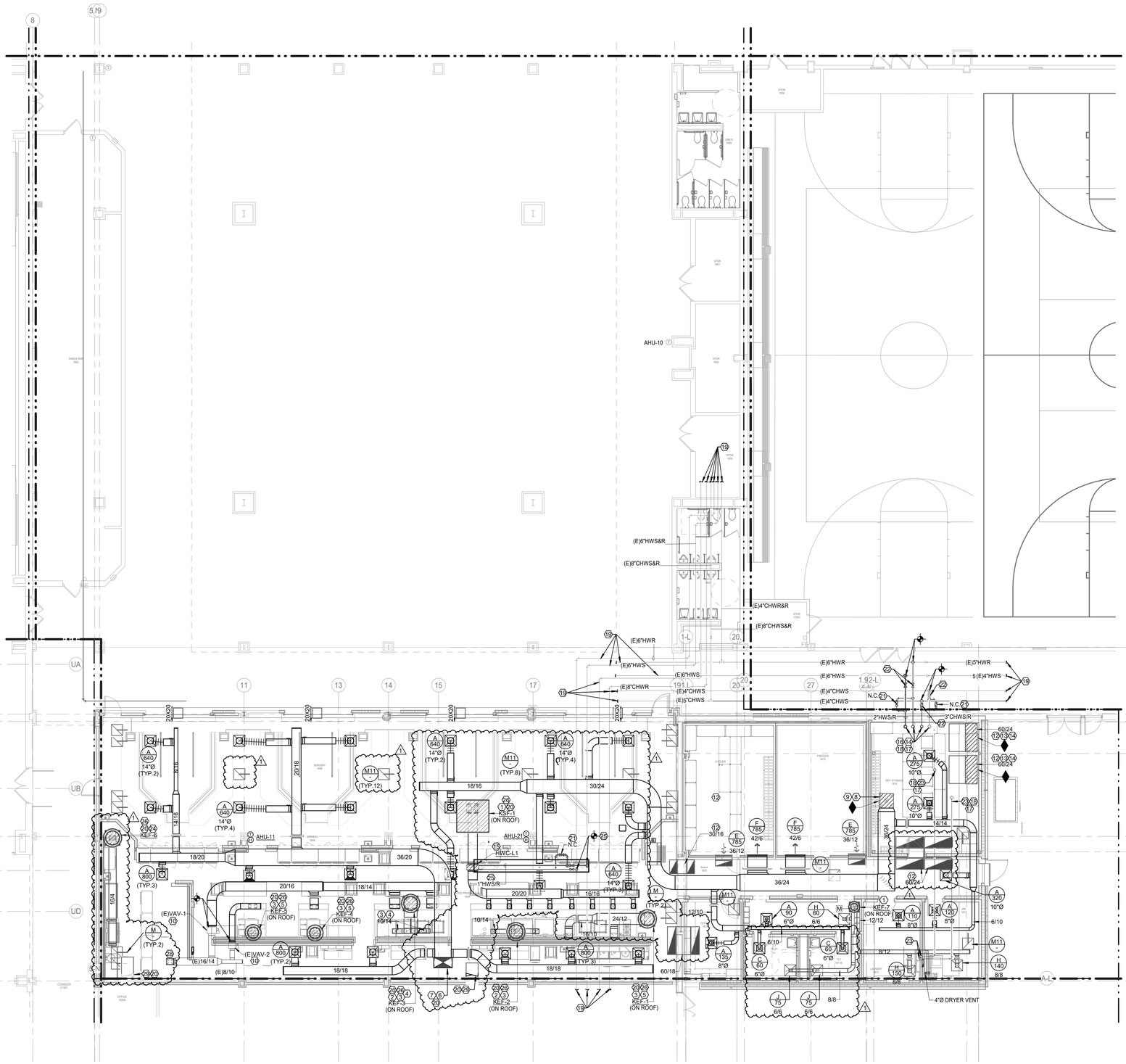
Director	Drawn By
Approver	CA/SS
Designer	Quality Control
CA/SS	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
MECHANICAL FLOOR PLAN - LEVEL 1 - UNIT B

SHEET NO.
M2.11B

2024 Cy-Creek HS Renovation



1 **MECHANICAL FLOOR PLAN - LEVEL 1 - UNIT L**
Scale: 1/8" = 1'-0"

MECHANICAL GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL DUCT SIZES ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
4. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECTS) REFLECTED CEILING PLAN.
5. THERMOSTATS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR), UNLESS OTHERWISE NOTED.

MECHANICAL KEYED NOTES:

1. ROUTE FULL SIZE DUCTWORK DOWN FROM FAN ON ROOF AND TRANSITION AS REQUIRED TO SIZE INDICATED. PROVIDE WITH MOTORIZED DAMPER AND BIRD SCREEN.
2. ROUTE FULL SIZE DUCTWORK DOWN FROM FAN ON ROOF AND TRANSITION TO SIZE INDICATED. VERTICAL DUCT SHALL CONNECT TO PANTLEG FITTING ABOVE HOOD AND TRANSITION TO THE FULL SIZE EXHAUST COLLAR DIMENSIONS ON BOTH SIDES OF HOOD.
3. KITCHEN EXHAUST DUCTWORK SHALL BE WELDED 16 GAUGE BLACK STEEL CONSTRUCTION AS SPECIFIED. WRAP DUCTWORK IN A TOTALLY ENCAPSULATED FOIL FACED FIRE BOARD WITH A MINIMUM OF TWO HOUR FIRE RATING. SLOPE DUCT TOWARDS HOOD AND PROVIDE CLEANOUTS AT EACH CHANGE OF DIRECTION. REFER TO SPECIFICATIONS FOR SPECIAL CONSTRUCTION AND INSULATION REQUIREMENTS.
4. TRANSITION TO 10/14 PANT LEG TO EXHAUST HOOD CONNECTIONS.
5. TRANSITION DUCTWORK TO HOOD COLLAR DIMENSIONS AS REQUIRED.
6. RE: 2/M4.04 FOR CONTINUATION.
7. TRANSITION DUCTWORK AS REQUIRED TO ROUTE SUPPLY AIR DUCTWORK AND CONNECT DUCTWORK TO AHU-11 ON UPPER LEVEL.
8. TRANSITION DUCTWORK AS REQUIRED TO ROUTE SUPPLY AIR DUCTWORK AND CONNECT TO AHU-21 ON UPPER LEVEL.
9. RE: 7 / M4.04 FOR CONTINUATION.
10. EXISTING VARIABLE VOLUME BOX TO REMAIN ALONG WITH DUCTWORK, PIPING AND ASSOCIATED APPURTENANCES. RE: SHEET M6.01,EXISTING VARIABLE AIR VOLUME BOX FOR REBALANCING OF THE UNITS.
11. EXISTING MAKE-UP AIR UNIT TO REMAIN ALONG WITH DUCTWORK, PIPING AND ASSOCIATED APPURTENANCES. RE: SHEET M6.01,EXISTING MAKE-UP AIR UNIT SCHEDULE FOR REBALANCING OF THE UNIT.
12. PROVIDE ACOUSTICALLY LINED RETURN AIR TRANSFER DUCT.
13. ROUTE RETURN AIR DUCTWORK UP TO THE PENTHOUSE.
14. RE: 7/M4.04 FOR CONTINUATION.
15. PROVIDE HOTWATER COIL.
16. ROUTE CHILLED AND HOT WATER PIPES UP TO AREA-L PENTHOUSE. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
17. INSULATE PIPING PER SPECIFICATIONS.
18. PROVIDE PIPE SUPPORT. RE: 14/M5.03 FOR DETAIL.
19. EXISTING PIPING TO REMAIN ALONG WITH ALL ASSOCIATED APPURTENANCES. UNLESS OTHERWISE NOTED.
20. VERIFY SERVICE CLEARANCES WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
21. PROVIDE NEW BYPASS PIPING AND VALVES AS SHOWN TO ALLOW FOR ISOLATING THE NEW PIPING FROM THE EXISTING HYDRONIC LOOPS. TESTING, FLUSHING, AND TREATMENT OF NEW PIPING SHALL BE PERFORMED PRIOR TO OPENING THE NEW PIPING TO THE EXISTING HYDRONIC LOOPS. PURGERITE OR COMPARABLE COMPANY SHALL PROVIDE ASSISTANCE TO THE MECHANICAL CONTRACTOR PERFORM FLUSHING AND CLEANING AT DESIGN SYSTEM FLOW RATES. CHEMICAL TREATMENT MANUFACTURER SHALL TEST WATER TO CONFIRM COMPLIANCE OF FLUSHING AND TREATMENT OF WATER PRIOR TO OPENING THE NEW PIPING VALVES TO THE EXISTING HYDRONIC LOOPS.
22. PROVIDE ISOLATION VALVE AT LOCATION SHOWN.
23. ROUTE CONDENSATE DRAIN PIPE ABOVE THE CEILING, SIZE AS INDICATED, TO TRENCH DRAIN. SLOPE PIPING TO ALLOW FOR GRAVITY DRAINAGE. INSTALL TRAP AS RECOMMENDED BY MANUFACTURER REFER TO PLUMBING PLANS FOR EXACT LOCATION OF TRENCH DRAIN.
24. REFER TO DISH MACHINE DUCTWORK SPECIFICATIONS.
25. PIPE INSULATION SHALL BE INSTALLED ON CLEAN AND DRY SURFACES ONLY. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING INSULATION AND RE-INSULATION OF EXISTING CHILLED WATER PIPING WITH OWNER, ARCHITECT AND ENGINEER PRIOR TO STARTING WORK TO ENSURE ANY REQUIRED CHILLED WATER SHUTDOWNS ARE SCHEDULE AND ACCEPTABLE TO ALL PARTIES.
26. ROUTE FULL SIZE DUCTWORK UP TO FAN ON ROOF. PROVIDE TRANSITION AS INDICATED. PROVIDE FAN WITH ROOF CURB. REFER TO DETAILS
27. ROUTE 4"Ø DRYER VENT DUCT UP TO ROOF. RE: 9/M5.02 FOR DETAIL.
28. EXISTING DUCT UP TO (E)MAU-1.
29. RE: 1/M2.11N FOR CONTINUATION.

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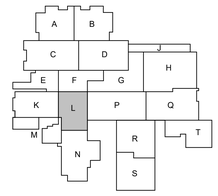

KEY PLAN - LEVEL ONE

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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05939-00

CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 2	02.06.2025

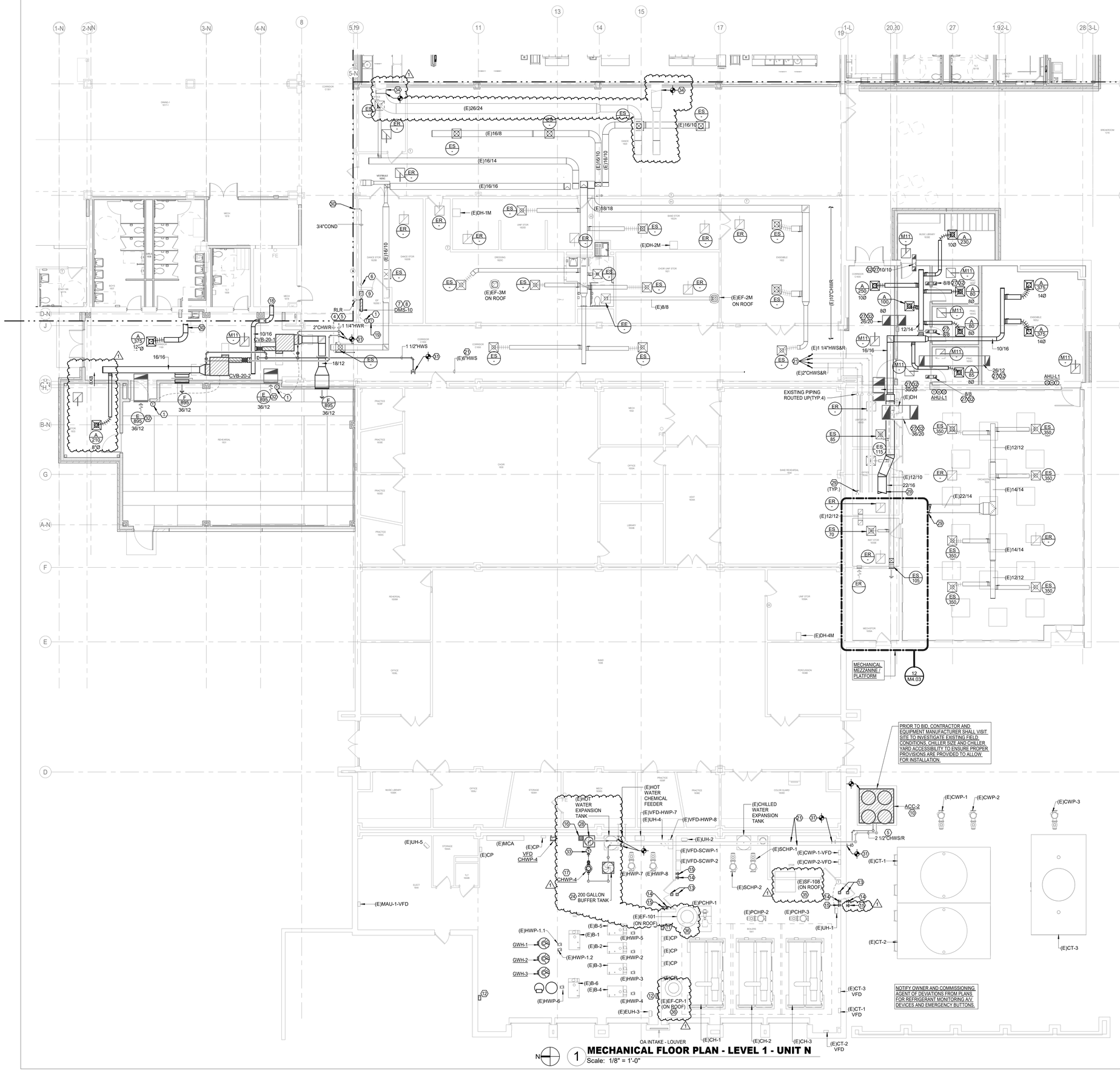
Director	Drawn By
Approver	CA/SS
Designer	Quality Control
CA/SS	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
MECHANICAL FLOOR PLAN - LEVEL 1 - UNIT L

SHEET NO.
M2.11L

2024 Cy-Creek HS Renovation



1 **MECHANICAL FLOOR PLAN - LEVEL 1 - UNIT N**
Scale: 1/8" = 1'-0"

MECHANICAL GENERAL NOTES

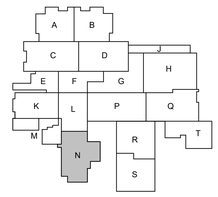
1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL DUCT SIZES ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
4. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECTS) REFLECTED CEILING PLAN.
5. THERMOSTATS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR), UNLESS OTHERWISE NOTED.

MECHANICAL KEYED NOTES:

1. PROVIDE HARD WIRED THERMOSTAT.
2. CONDENSING UNIT SHALL BE MOUNTED ON ROOF SUPPORT. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. VERIFY SERVICE CLEARANCE WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
4. ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO ASSOCIATED INDOOR UNIT. PIPING SHOWN SINGLE LINE FOR CLARITY. PROVIDE PIPE SUPPORT AND INSTALL PER MANUFACTURER. RE: DETAILS 8 & 13/M5.03 FOR MORE INFORMATION.
5. INSULATE AND PROVIDE ALUMINUM JACKETING ON ALL REFRIGERANT PIPING PER SPECIFICATIONS.
6. ROUTE FULL SIZE CONDENSATE DRAIN LINE AS HIGH AS POSSIBLE TO FLOOR SINK. INSTALL TRAP PER MANUFACTURER. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION
7. VERIFY SERVICE CLEARANCE FOR AIR FILTER REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
8. VERIFY SERVICE CLEARANCE FOR FAN SHAFT AND COIL REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
9. CONDENSATE PUMP TO BE MOUNTED BELOW HIGHWALL UNIT. INSTALL PER MANUFACTURER GUIDANCE. ROUTE CONDENSATE PIPE AS NECESSARY FROM INDOOR UNIT TO CONDENSATE PUMP.
10. MOUNT NEW AIR COOLED CHILLER ON EXISTING HOUSEKEEPING PAD.
11. PROVIDE NEW REFRIGERANT MONITOR SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
12. PROVIDE NEW CARBON MONOXIDE MONITOR SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
13. AUDIO VISUAL ALARM. TYPICAL.
14. EMERGENCY CONTROL BUTTON, BREAK GLASS TYPE. TYPICAL.
15. EMERGENCY VENT BUTTON, BREAK GLASS TYPE. TYPICAL.
16. PROVIDE NEW CHILLED WATER CHEMICAL FEEDER. RE: DETAIL 1/M5.03.
17. PROVIDE NEW VERTICAL INLINE PUMP. RE: DETAIL 3/M5.03.
18. RE: 6/M4.04 FOR CONTINUATION.
19. PROVIDE THERMOSTAT FOR BMSC MONITOR.
20. PROVIDE NEW PIPES AS NECESSARY TO COMPLETE CONNECTION TO EXISTING PIPES AS INDICATED. REINSULATE TO MATCH EXISTING.
21. EXISTING PIPING TO REMAIN ALONG WITH ALL ASSOCIATED APPURTENANCES.
22. PROVIDE SHEET METAL PLENUM, FULL SIZE OF RETURN AIR OPENING; LENGTH AS REQUIRED FOR ALL DUCT CONNECTIONS SHOWN.
23. PROVIDE DUCT MOUNTED SMOKE DETECTOR. REFER TO LOCAL CODES FOR MORE INFORMATION.
24. PROVIDE 4" CONCRETE HOUSEKEEPING PAD.
25. ROUTE FULL SIZE CONDENSATE DRAIN PIPE TO FLOOR SINK. SLOPE PIPING TO ALLOW FOR GRAVITY DRAINAGE. INSTALL TRAP AS RECOMMENDED BY MANUFACTURER. REFER TO PLUMBING PLANS FOR EXACT LOCATION OF FLOOR SINK.
26. TRANSITION DUCTWORK AS REQUIRED TO CONNECT TO EQUIPMENT ON ROOF.
27. RETURN AIR BOOT ABOVE CEILING.
28. PROVIDE EXPANSION TANK. INSTALL PER MANUFACTURER GUIDELINES.
29. RE: 12/M4.03 FOR CONTINUATION.
30. RE: 1/M2.11M FOR CONTINUATION.
31. PIPE INSULATION SHALL BE INSTALLED ON CLEAN AND DRY SURFACES ONLY. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING INSULATION AND RE-INSULATION OF EXISTING CHILLED WATER PIPING WITH OWNER, ARCHITECT AND ENGINEER PRIOR TO STARTING WORK TO ENSURE ANY REQUIRED CHILLED WATER SHUTDOWNS ARE SCHEDULE AND ACCEPTABLE TO ALL PARTIES.
32. PROVIDE ACOUSTICALLY LINED RETURN AIR TRANSFER DUCT.
33. PROVIDE A NEW AIR/DIRT SEPARATOR. RE: 2/M5.03 FOR AIR/DIRT SEPARATOR SUPPORT DETAIL.
34. RE: 1/M2.11L FOR CONTINUATION.
35. EXISTING SUPPLY FAN TO BE TIED INTO NEW REFRIGERATION MONITOR SYSTEM.
36. EXISTING EXHAUST FAN TO BE TIED INTO NEW REFRIGERATION MONITOR SYSTEM.

CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING: THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.



KEY PLAN - LEVEL ONE

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

2024 Cy-Creek HS Renovation

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	CA/SS
Designer	Quality Control
CA/SS	
Proj. Arch.	
Checker	

PROJECT NO.

23-148.00

SHEET TITLE

MECHANICAL FLOOR PLAN - LEVEL 1 - UNIT N

SHEET NO.

M2.11N

MECHANICAL GENERAL NOTES

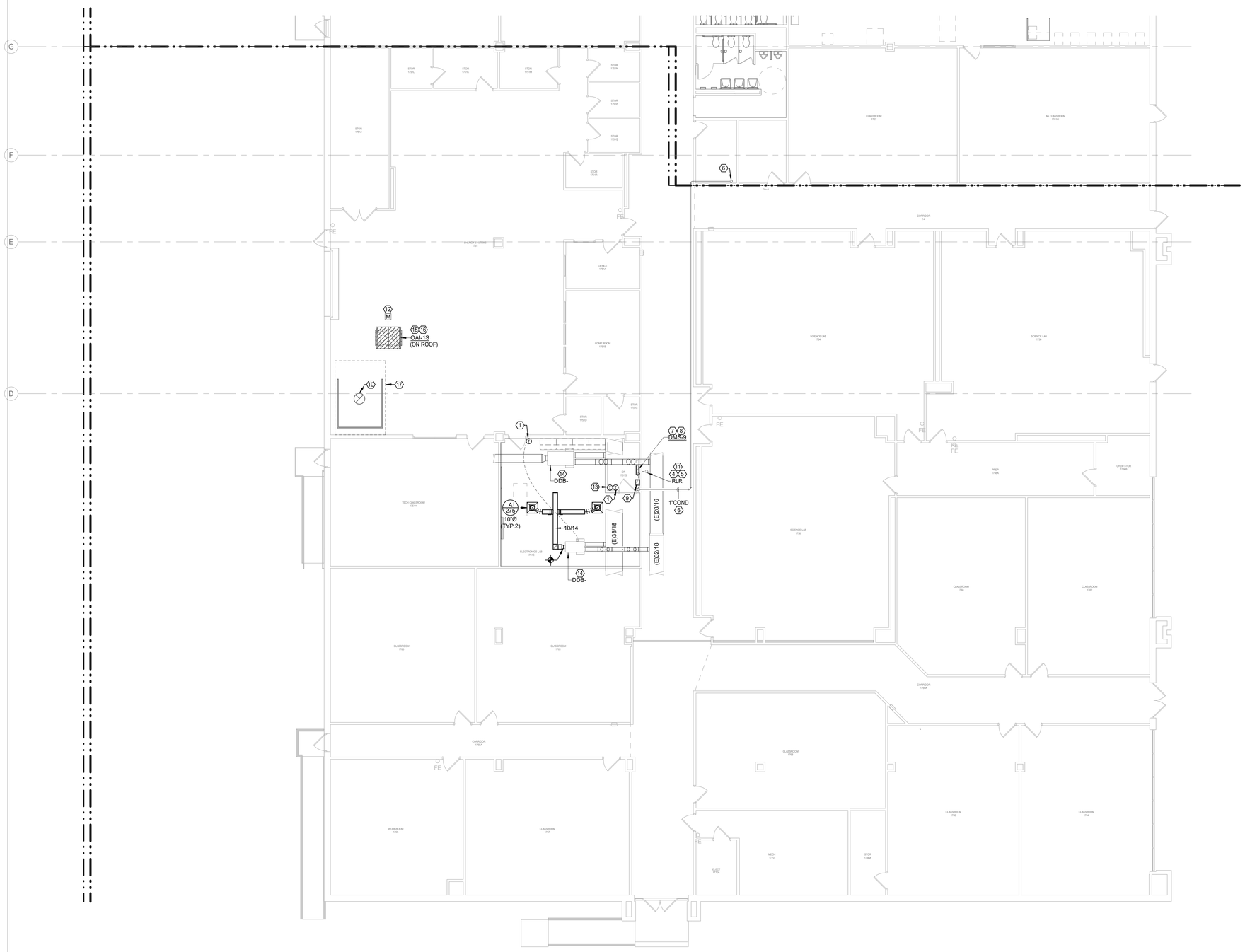
1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL DUCT SIZES ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
4. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.
5. THERMOSTATS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR), UNLESS OTHERWISE NOTED.

MECHANICAL KEYED NOTES:

1. PROVIDE HARD WIRED THERMOSTAT.
2. CONDENSING UNIT SHALL BE MOUNTED ON ROOF SUPPORT. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. VERIFY SERVICE CLEARANCE WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
4. ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO ASSOCIATED INDOOR UNIT. PIPING SHOWN SINGLE LINE FOR CLARITY. PROVIDE PIPE SUPPORT AND INSTALL PER MANUFACTURER. RE: 8 AND 13/ M5.03 FOR DETAIL.
5. INSULATE AND PROVIDE ALUMINUM JACKETING ON ALL REFRIGERANT PIPING PER SPECIFICATIONS.
6. ROUTE FULL SIZE CONDENSATE DRAIN LINE AS HIGH AS POSSIBLE AND GRAVITY DRAIN TO MOP SINK. INSTALL TRAP PER MANUFACTURER. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.
7. VERIFY SERVICE CLEARANCE FOR AIR FILTER REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
8. VERIFY SERVICE CLEARANCE FOR FAN SHAFT AND COIL REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
9. CONDENSATE PUMP TO BE MOUNTED BELOW HIGHWALL UNIT. INSTALL PER MANUFACTURER GUIDANCE. ROUTE CONDENSATE PIPE AS NECESSARY FROM INDOOR UNIT TO CONDENSATE PUMP.
10. ROUTE NEW EXHAUST DUCT FROM PAINT BOOTH UP AND THROUGH ROOF.
11. RE: 1/M3.01 FOR CONTINUATION.
12. INTERLOCK MOTORIZED DAMPER WITH PAINTING BOOTH EXHAUST FAN.
13. PROVIDE THERMOSTAT FOR BMSC MONITOR.
14. EXISTING DUAL DUCT BOX TO REMAIN ALONG WITH DUCT, PIPING AND ASSOCIATED APPURTENANCES.
15. INSTALL NEW INTAKE HOOD. PROVIDE NEW ROOF OPENING AS NECESSARY.
16. ROOF MOUNTED EQUIPMENT SHALL BE MOUNTED ON ROOF CURB. RE: 7/M5.02 FOR DETAIL. TRANSITION DUCTWORK AS REQUIRED TO CONNECT TO EQUIPMENT ON ROOF.
17. REFER TO 2/M2.11S FOR PAINT SPRAY BOOTH ELEVATION.

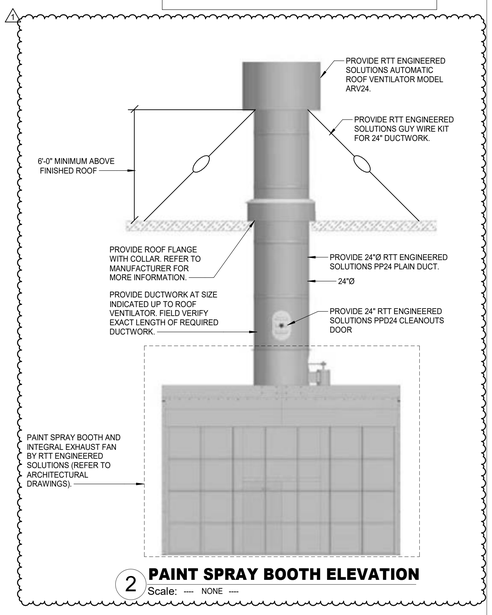
CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING. THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.

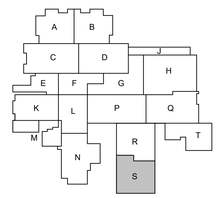


N

1 MECHANICAL FLOOR PLAN - LEVEL 1 - UNIT S
Scale: 1/8" = 1'-0"



2 PAINT SPRAY BOOTH ELEVATION
Scale: ---- NONE ----



KEY PLAN - LEVEL ONE

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BRADLEY KALMANS
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LICENSED
PROFESSIONAL
ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

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1	Addendum 2	02.06.2025

Director	Drawn By
Approver	CA/SS
Designer	Quality Control
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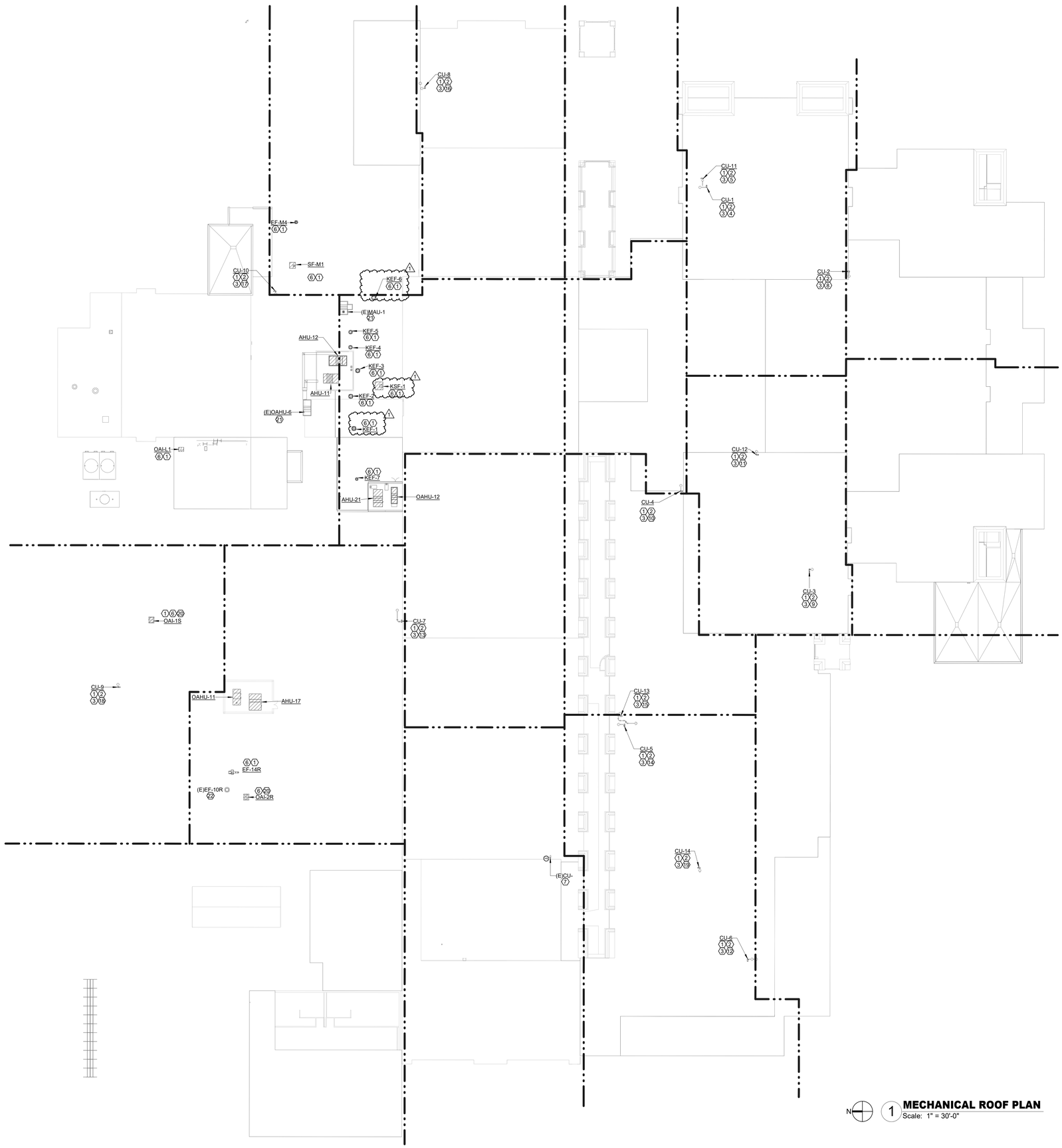
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
MECHANICAL FLOOR PLAN - LEVEL 1 - UNIT S

SHEET NO.
M2.11S

2024 Cy-Creek HS Renovation



MECHANICAL GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL DUCT SIZES ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
4. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.
5. THERMOSTATS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR), UNLESS OTHERWISE NOTED.

MECHANICAL KEYED NOTES:

1. VERIFY SERVICE CLEARANCE WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
2. CONDENSING UNIT SHALL BE MOUNTED ON ROOF SUPPORT. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. ROUTE REFRIGERANT PIPING LINE DOWN TO ASSOCIATED INDOOR UNIT THROUGH ROOF PENETRATION AND PIPE COVER. SIZE LINE PER MANUFACTURERS RECOMMENDATIONS. RE: DETAILS 8 & 13/M5.03 FOR MORE INFORMATION.
4. RE: 2/4.02 FOR CONTINUATION.
5. RE: 4/M4.03 FOR CONTINUATION.
6. ROOF MOUNTED EQUIPMENT SHALL BE MOUNTED ON ROOF CURB. RE: DETAIL 7/M5.02.TRANSITION DUCTWORK AS REQUIRED TO CONNECT TO EQUIPMENT ON ROOF.
7. EXISTING CONDENSING UNIT AND ALL ASSOCIATED APPURTENANCES TO REMAIN.
8. RE: 4/M4.02 FOR CONTINUATION.
9. RE: 8/M4.02 FOR CONTINUATION.
10. RE: 6/M4.02 FOR CONTINUATION.
11. RE: 6/M4.03 FOR CONTINUATION.
12. RE: 12/M4.02 FOR CONTINUATION.
13. RE: 14/M4.02 FOR CONTINUATION.
14. RE: 10/M4.02 FOR CONTINUATION.
15. RE: 8/M4.03 FOR CONTINUATION.
16. RE: 2/M4.03 FOR CONTINUATION.
17. RE: 1/M2.11N FOR CONTINUATION.
18. RE: 1/M2.11S FOR CONTINUATION.
19. RE: 10/M4.03 FOR CONTINUATION.
20. INSTALL NEW INTAKE HOOD. PROVIDE NEW ROOF OPENING AS NECESSARY.
21. EXISTING AIR HANDLING UNIT AND ALL ASSOCIATED APPURTENANCES TO REMAIN.
22. EXISTING EXHAUST FAN AND ALL ASSOCIATED APPURTENANCES TO REMAIN.

CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING; THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.

PIPE INSULATION SHALL BE INSTALLED ON CLEAN AND DRY SURFACES ONLY. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING INSULATION AND RE-INSULATION OF EXISTING CHILLED WATER PIPING WITH OWNER. ARCHITECT AND ENGINEER PRIOR TO STARTING WORK TO ENSURE ANY REQUIRED CHILLED WATER SHUTDOWNS ARE SCHEDULE AND ACCEPTABLE TO ALL PARTIES.

PRIOR TO BID, CONTRACTOR AND EQUIPMENT MANUFACTURER SHALL VISIT SITE TO INVESTIGATE EXISTING FIELD CONDITIONS. UNIT SIZES AND MECHANICAL ROOM ACCESSIBILITY TO ENSURE PROPER PROVISIONS ARE PROVIDED TO ALLOW FOR INSTALLATIONS.

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BRADLEY KALMANS
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LICENSED
PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

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1	Addendum 2	02.06.2025

Director	Drawn By
Approver	CA/SS
Designer	Quality Control
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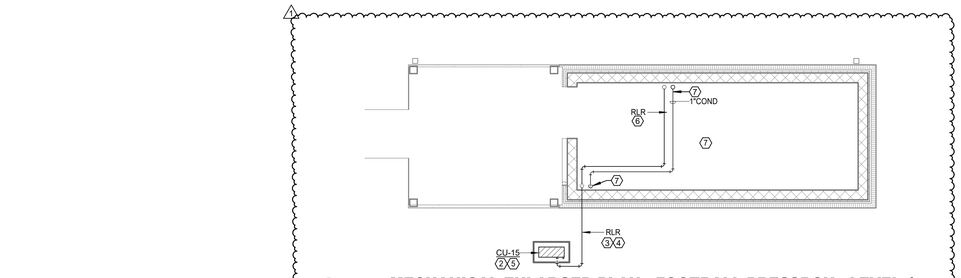
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

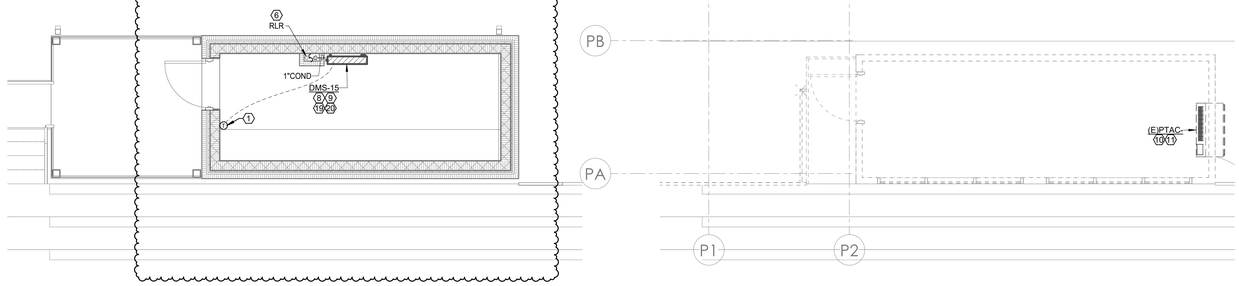
SHEET TITLE
MECHANICAL ROOF PLAN

SHEET NO.
M3.01

2024 Cy-Creek HS Renovation

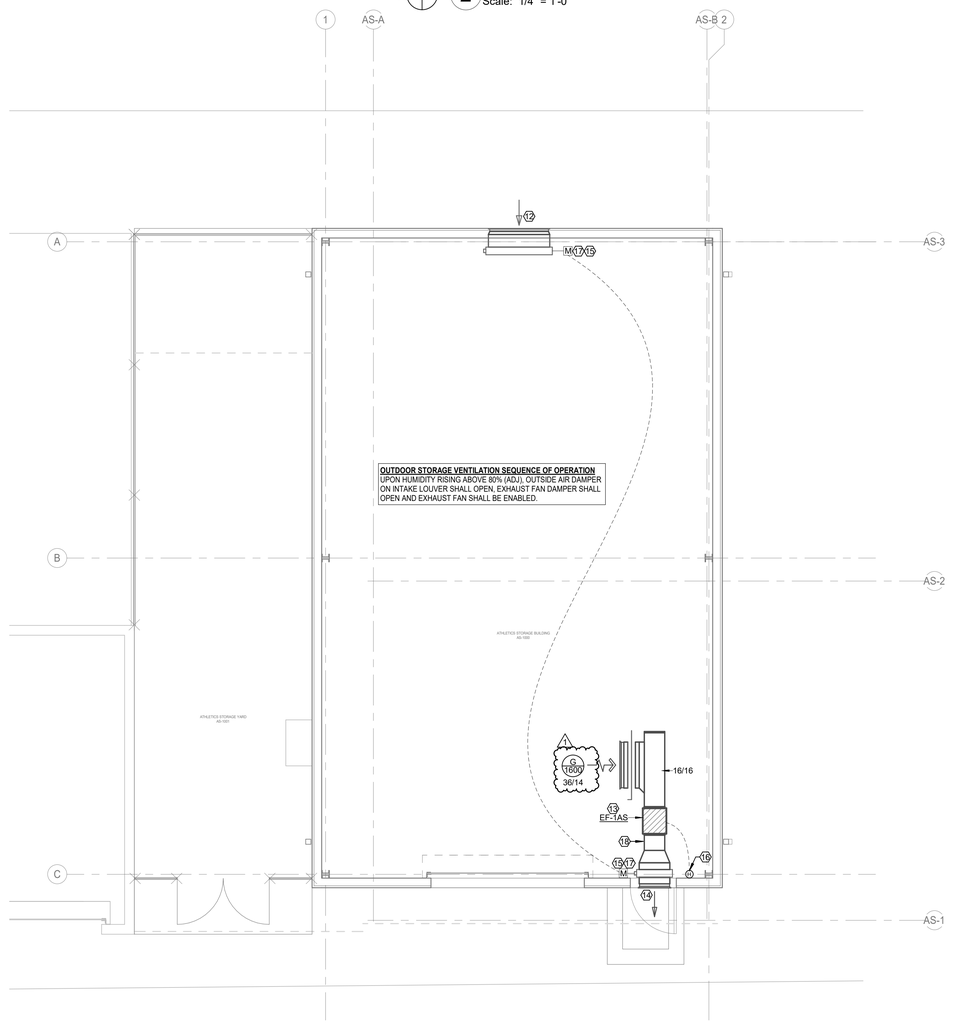


N 4 **MECHANICAL ENLARGED PLAN - FOOTBALL PRESSBOX - LEVEL 1**
Scale: 1/4" = 1'-0"



N 3 **MECHANICAL ENLARGED PLAN - FOOTBALL PRESSBOX - LEVEL 2**
Scale: 1/4" = 1'-0"

N 2 **MECHANICAL ENLARGED DEMOLITION PLAN - FOOTBALL PRESSBOX**
Scale: 1/4" = 1'-0"



N 1 **MECHANICAL ENLARGED PLAN - OUTDOOR STORAGE**
Scale: 1/4" = 1'-0"

MECHANICAL GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL DUCT SIZES ARE INSIDE CLEAR. INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
4. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.
5. THERMOSTATS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR), UNLESS OTHERWISE NOTED.

MECHANICAL KEYED NOTES:

1. PROVIDE HARD WIRED THERMOSTAT.
2. PROVIDE 4" CONCRETE PAD FOR CONDENSING UNIT. CONCRETE PAD TO EXTEND 4" BEYOND EACH SIDE OF THE CONDENSING UNIT. ANCHOR CONDENSING UNIT TO CONCRETE PAD. COORDINATE WITH ARCHITECT.
3. ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO ASSOCIATED INDOOR UNIT. PIPING SHOWN SINGLE LINE FOR CLARITY. PROVIDE PIPE SUPPORT AND INSTALL PER MANUFACTURER. RE: 8 AND 13/ M5.03 FOR DETAIL.
4. INSULATE AND PROVIDE JACKETING ON ALL REFRIGERANT PIPING PER SPECIFICATIONS.
5. VERIFY SERVICE CLEARANCE WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
6. ROUTE REFRIGERANT PIPING TO ASSOCIATED INDOOR UNIT. PIPING TO BE ROUTED AS HIGH AS POSSIBLE IN STORAGE ROOM AND PENETRATE UP THROUGH CHASE UP TO BOTTOM OF INDOOR UNIT. SIZE PER MANUFACTURERS RECOMMENDATIONS. REFRIGERANT PIPING SHOWN SINGLE LINE FOR CLARITY.
7. ROUTE FULL SIZE CONDENSATE DRAIN PIPE DOWN THROUGH CHASE AND AS HIGH AS POSSIBLE CLOSE TO STRUCTURE. SLOPE AND GRAVITY DRAIN TO DRAIN. REFER TO PLUMBING FOR EXACT LOCATION. INSTALL TRAP PER MANUFACTURER.
8. VERIFY SERVICE CLEARANCE FOR AIR FILTER REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
9. VERIFY SERVICE CLEARANCE FOR FAN SHAFT AND COIL REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
10. REMOVE EXISTING DX WALL MOUNTED FAN COIL UNIT AND PIPING ALONG WITH ALL ASSOCIATED APPURTENANCES.
11. REMOVE EXISTING TEMPERATURE SENSOR ALONG WITH ALL ASSOCIATED WIRING.
12. PROVIDE 52"W X 28"H INTAKE LOUVER, RUSKIN MODEL HZ700 OR EQUIVALENT, WITH A MINIMUM FREE AREA OF 2.87 SQUARE FEET. PROVIDE LOUVER WITH BIRDSCREEN AND MOTORIZED DAMPER. BOTTOM OF LOUVER SHALL BE MOUNTED AT 10'-10" AFF. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH OTHER TRADES NOT TO OBSTRUCT. RE: 8/M5.02 FOR DETAIL.
13. EXHAUST FAN SHALL BE SUSPENDED WITH UNISTRUT RUNNERS AND PLATFORM SECURED TO STRUCTURE WITH THREADED HANGER RODS. INSTALL PER MANUFACTURER. COORDINATE WITH ALL OTHER TRADES NOT TO OBSTRUCT.
14. PROVIDE 24"W X 24"H EXHAUST LOUVER, RUSKIN MODEL HZ700 OR EQUIVALENT, WITH A MINIMUM FREE AREA OF 1.77 SQUARE FEET. PROVIDE LOUVER WITH BIRDSCREEN AND MOTORIZED DAMPER. BOTTOM OF LOUVER SHALL BE MOUNTED AT 11'-0" AFF. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH OTHER TRADES NOT TO OBSTRUCT. RE: 8/M5.02 FOR DETAIL.
15. MOTORIZED DAMPER TO BE INTERLOCKED WITH EF-1AS. INTERLOCK SHALL OPERATE AS FOLLOWS: WHEN EF-1AS IS ENERGIZED, THE DAMPER SHALL OPEN. WHEN EF-1AS IS DE-ENERGIZED, THE DAMPER SHALL CLOSE.
16. PROVIDE LINE VOLTAGE HUMIDITY SENSOR AT LOCATION SHOWN.
17. MOTORIZED DAMPER SHALL BE ON SAME VOLTAGE CIRCUIT AS ASSOCIATED EXHAUST FAN. REFER TO ELECTRICAL.
18. ROUTE EXHAUST AIR DUCT, AT SIZE SHOWN, TO EXHAUST LOUVER. PROVIDE TRANSITION AS NECESSARY TO COMPLETE CONNECTION TO FAN.
19. ROUTE FULL SIZE CONDENSATE DRAIN PIPE AS INDICATED. INSTALL CONDENSATE DRAIN TRAP AT UNIT AS RECOMMENDED BY MANUFACTURER.
20. BOTTOM OF HIGH WALL UNIT SHALL BE MOUNTED ABOVE 7'-3" A.F.F.

CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING; THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.

PRIOR TO BID, CONTRACTOR AND EQUIPMENT MANUFACTURER SHALL VISIT SITE TO INVESTIGATE EXISTING FIELD CONDITIONS, UNIT SIZES AND MECHANICAL ROOM ACCESSIBILITY TO ENSURE PROPER PROVISIONS ARE PROVIDED TO ALLOW FOR INSTALLATIONS.

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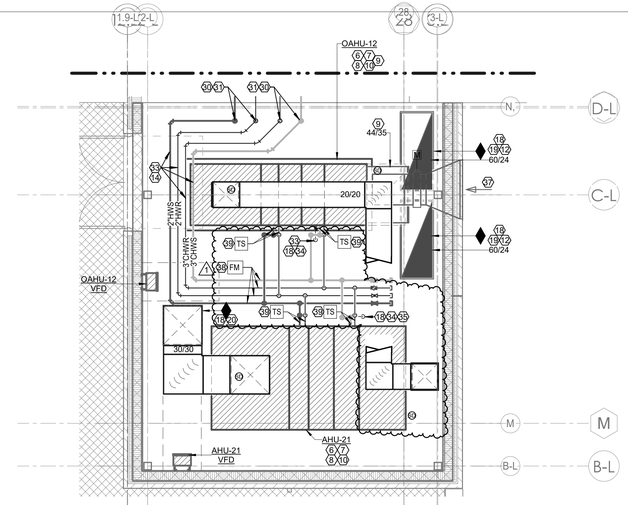
Checker	

PROJECT NO.
23-148.00

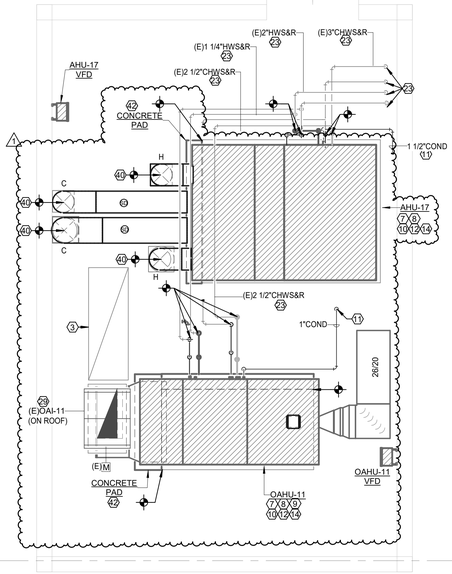
SHEET TITLE
MECHANICAL ENLARGED PLANS

SHEET NO.
M4.01

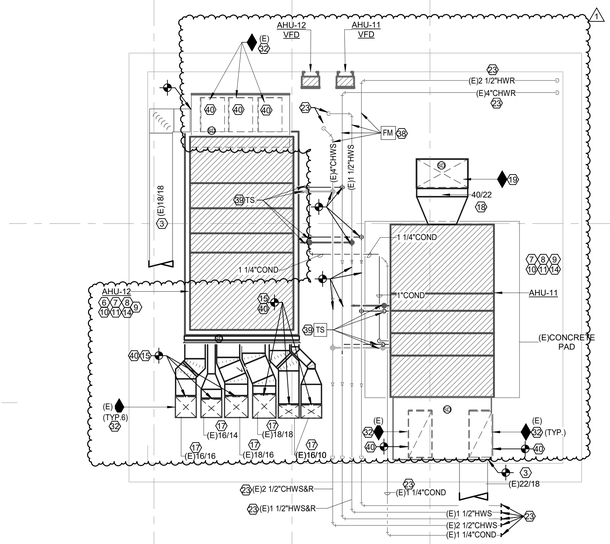
2024 Cy-Creek HS Renovation



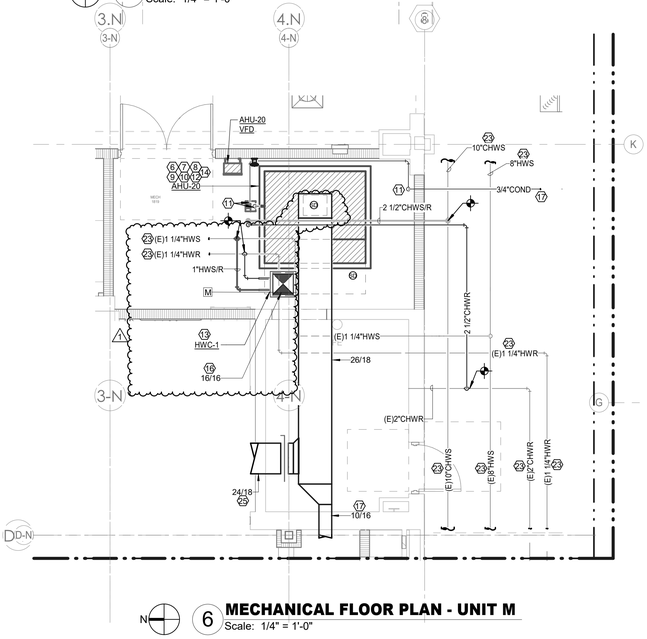
N 7 **MECHANICAL FLOOR PLAN - AREA L - PENTHOUSE**
Scale: 1/4" = 1'-0"



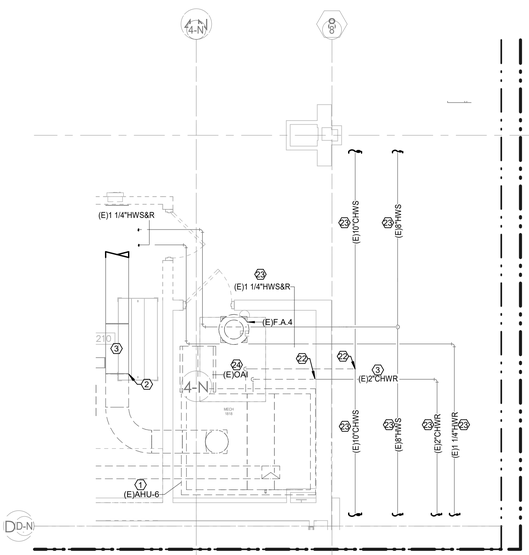
N 4 **MECHANICAL FLOOR PLAN - AREA R - PENTHOUSE**
Scale: 1/4" = 1'-0"



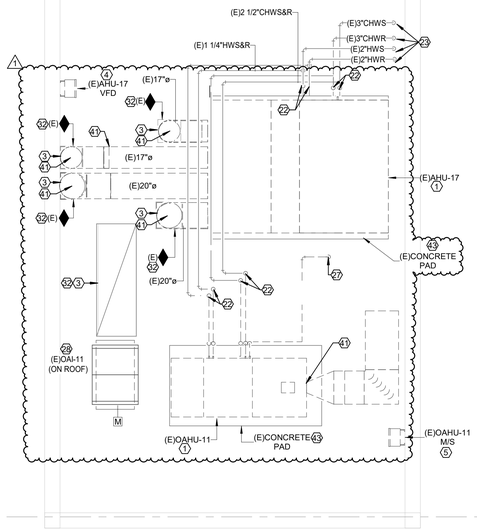
N 2 **MECHANICAL FLOOR PLAN - AREA N - PENTHOUSE**
Scale: 1/4" = 1'-0"



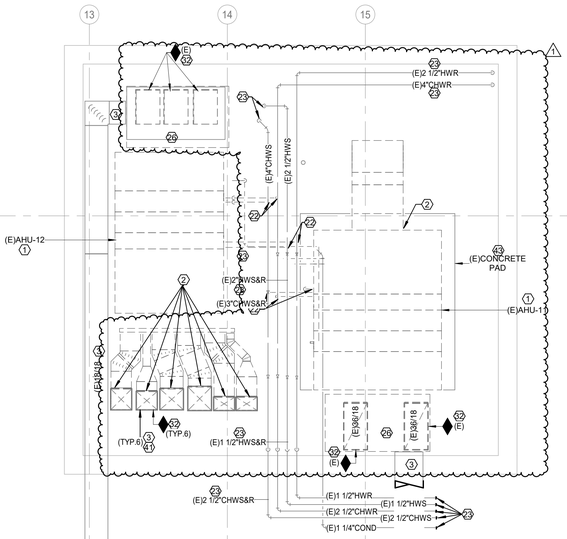
N 6 **MECHANICAL FLOOR PLAN - UNIT M**
Scale: 1/4" = 1'-0"



N 5 **MECHANICAL DEMOLITION FLOOR PLAN - UNIT M**
Scale: 1/4" = 1'-0"



N 3 **MECHANICAL DEMOLITION PLAN - AREA R - PENTHOUSE**
Scale: 1/4" = 1'-0"



N 1 **MECHANICAL DEMOLITION PLAN - AREA N - PENTHOUSE**
Scale: 1/4" = 1'-0"

MECHANICAL KEYED NOTES:

1. REMOVE EXISTING AIR HANDLING UNIT, CHILLED AND HOT WATER PIPING, CONDENSATE PIPING, AND CONTROLS.
2. REMOVE EXISTING DUCTWORK AND ALL ASSOCIATED APPURTENANCES BACK TO POINT INDICATED.
3. EXISTING DUCTWORK AND ALL ASSOCIATED APPURTENANCES TO REMAIN.
4. REMOVE EXISTING VFD (VARIABLE FREQUENCY DRIVE).
5. REMOVE EXISTING MS (MOTOR STARTER).
6. PROVIDE 4" CONCRETE HOUSEKEEPING PAD.
7. VERIFY SERVICE CLEARANCE FOR AIR FILTER REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
8. VERIFY SERVICE CLEARANCE FOR FAN SHAFT AND COIL REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT
9. PROVIDE SHEET METAL PLENUM, FULL SIZE OF RETURN AIR OPENING; LENGTH AS REQUIRED FOR ALL DUCT CONNECTIONS SHOWN.
10. PROVIDE DUCT MOUNTED SMOKE DETECTOR. REFER TO LOCAL CODES FOR MORE INFORMATION.
11. ROUTE CONDENSATE DRAIN PIPE, SIZE AS INDICATED, TO FLOOR SINK. SLOPE PIPING TO ALLOW FOR GRAVITY DRAINAGE. INSTALL TRAP AS RECOMMENDED BY MANUFACTURER. REFER TO PLUMBING PLANS FOR EXACT LOCATION OF FLOOR SINK.
12. PROVIDE ACOUSTICALLY LINED RETURN AIR TRANSFER DUCT.
13. MOUNT HOT WATER DUCT HEATER IN THE VERTICAL. INSTALL PER MANUFACTURER. PROVIDE CONNECTIONS AS REQUIRED TO COMPLETE CONNECTION TO AHU-20 RETURN AIR PLENUM BOX.
14. INSULATE ALL PIPINGS PER SPECIFICATIONS.
15. ROUTE EXISTING SUPPLY AIR DUCT, AT SIZE SHOWN, TO AHU-12 MULTIZONE UNIT SUPPLY AIR DUCT. TRANSITION AS NECESSARY TO COMPLETE CONNECTION TO AHU-12 SUPPLY AIR DUCT.
16. ROUTE OUTSIDE AIR DUCT, AT SIZE SHOWN, FROM SF-1M ON ROOF TO AHU-20 RETURN AIR PLENUM BOX AS INDICATED. PROVIDE TRANSITION AS NECESSARY TO COMPLETE CONNECTION.
17. RE: 1 / M2.11N FOR CONTINUATION.
18. RE: 1 / M2.11L FOR CONTINUATION.
19. OFFSET DUCTWORK AS REQUIRED TO ROUTE DOWN THROUGH EXISTING FLOOR PENETRATION. PROVIDE WITH FIRE DAMPER.
20. PROVIDE FIRE DAMPER AT THE PENTHOUSE FLOOR PENETRATION FOR AHU-21 DUCTWORK.
21. ROOF MOUNTED EQUIPMENT SHALL BE MOUNTED ON ROOF CURB. RE: DETAIL 7/M5.02.
22. REMOVE EXISTING PIPE BACK TO POINT INDICATED. PATCH, CAP, SEAL AND REINSULATE TO MATCH EXISTING.
23. EXISTING PIPING TO REMAIN AND ALL ASSOCIATED APPURTENANCES.
24. REMOVE EXISTING INTAKE HOOD AND CURB ALONG WITH ALL ASSOCIATED APPURTENANCES AND SEAL ROOF TO MATCH EXISTING CONDITIONS.
25. RE: 1 / M2.11M FOR CONTINUATION.
26. REMOVE EXISTING RETURN AIR PLENUM BOX.
27. REMOVE EXISTING PIPE BACK TO POINT INDICATED AND ALL ASSOCIATED APPURTENANCES.
28. EXISTING INTAKE HOOD AND CURB ALONG WITH ALL ASSOCIATED APPURTENANCES TO REMAIN. REMOVE OA DUCTWORK TO 12" BELOW CEILING.
29. TRANSITION DUCTWORK FROM (E)OAI-11 AS REQUIRED TO MAKE COMPLETE CONNECTION TO OAHU-11.
30. PROVIDE ISOLATION VALVE, LOCATED IN THE VERTICAL.
31. ROUTE CHILLED AND HOT WATER PIPING DOWN TO FIRST FLOOR. RE:1/M2.11L FOR CONTINUATION.
32. EXISTING FIRE DAMPERS AND ALL ASSOCIATED APPURTENANCES TO REMAIN.
33. PROVIDE PIPE SUPPORT. RE: 14/M5.03 FOR DETAIL.
34. ROUTE CONDENSATE DRAIN PIPE DOWN THROUGH PENTHOUSE FLOOR ABOVE 1ST FLOOR CEILING, SIZE AS INDICATED, TO TRENCH DRAIN. SLOPE PIPING TO ALLOW FOR GRAVITY DRAINAGE. INSTALL TRAP AS RECOMMENDED BY MANUFACTURER. REFER TO PLUMBING PLANS FOR EXACT LOCATION OF TRENCH DRAIN.
35. PROVIDE PIPE SUPPORT. RE: 7/M5.03 FOR DETAIL.
36. REMOVE EXISTING EXHAUST FAN, CURB AND ALL ASSOCIATED APPURTENANCES AND SEAL ROOF TO MATCH EXISTING CONDITIONS.
37. PROVIDE 48"W X 24"H INTAKE LOUVER, RUSKIN MODEL HZ700 OR EQUIVALENT, WITH A MINIMUM FREE AREA OF 3.79 SQUARE FEET. PROVIDE LOUVER WITH BIRDSCREEN AND MOTORIZED DAMPER. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH OTHER TRADES NOT TO OBSTRUCT. RE: 8/M5.02 FOR DETAIL.
38. PROVIDE AND INSTALL FLOW METER IN CHILLED/HOT WATER SUPPLY PIPING TO BE USED IN CALCULATING AND LOGGING THE KITCHEN BTUH USAGE THROUGH THE BMCS. METER SHALL BE INSTALLED PER MANUFACTURERS REQUIREMENTS AND LOCATED DOWNSTREAM OF THE ISOLATION VALVES. REINSULATE PIPING AFTER INSTALLATION IS COMPLETE.
39. PROVIDE AND INSTALL CHILLED/HOT WATER SUPPLY AND RETURN TEMPERATURE SENSORS TO BE USED IN CALCULATING AND LOGGING THE KITCHEN BTUH USAGE THROUGH THE BMCS. SENSOR TO BE LOCATED DOWNSTREAM OF THE ISOLATION VALES. REINSULATE PIPING AFTER INSTALLATION IS COMPLETE.
40. ROUTE NEW DUCTWORK AND CONNECT TO EXISTING FIRE DAMPER AT FLOOR. PROVIDE TRANSITION AS NECESSARY TO COMPLETE CONNECTIONS.
41. REMOVE EXISTING DUCTWORK AND ALL ASSOCIATED APPURTENANCES TO FLOOR PENETRATION. PROVIDE A TEMPORARY COVER AT FLOOR PENETRATION.
42. MODIFY EXISTING CONCRETE PAD AS NECESSARY TO MATCH THE NEW AIR HANDLER.
43. EXISTING CONCRETE PAD TO REMAIN.

MECHANICAL GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL DUCT SIZES ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
4. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.
5. THERMOSTATS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR), UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING. THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.

PRIOR TO BID, CONTRACTOR AND EQUIPMENT MANUFACTURER SHALL VISIT SITE TO INVESTIGATE EXISTING FIELD CONDITIONS, UNIT SIZES AND MECHANICAL ROOM ACCESSIBILITY TO ENSURE PROPER PROVISIONS ARE PROVIDED TO ALLOW FOR INSTALLATIONS.

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Salas O'Brien Project Number: 2023-05939-00

CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

2024 Cy-Creek HS Renovation

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

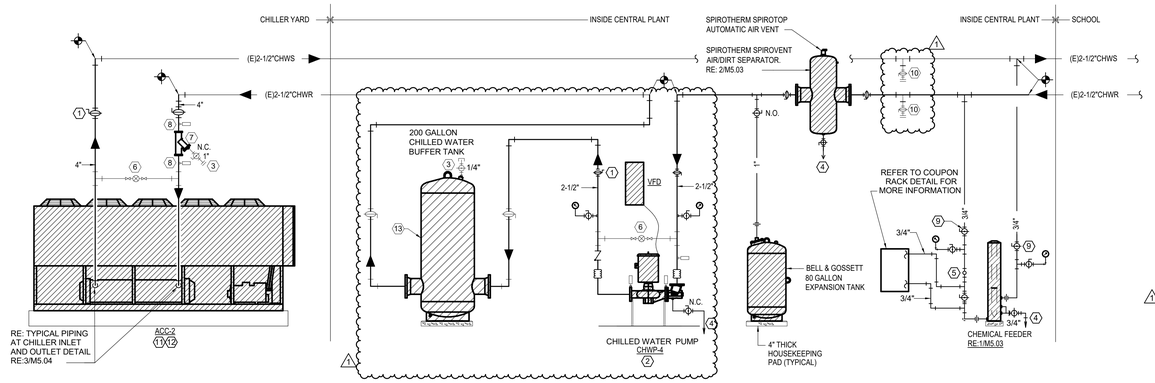
Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	CA/SS
Designer	Quality Control
CA/SS	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

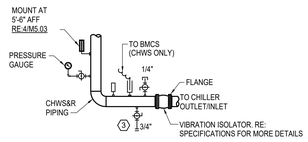
SHEET TITLE
MECHANICAL ENLARGED PLANS

SHEET NO.
M4.04



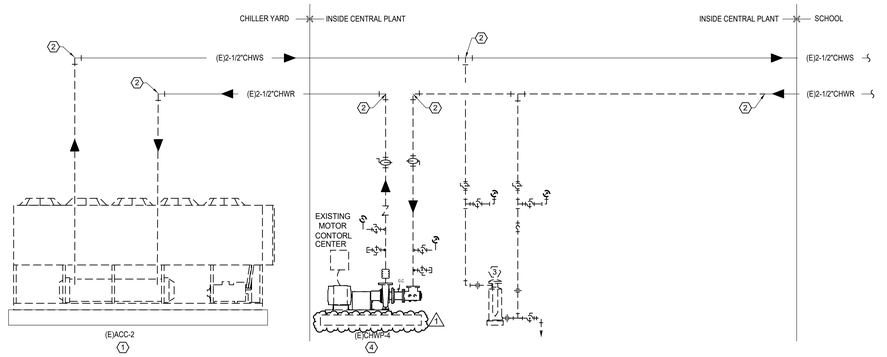
2 PARTIAL CHILLED WATER PIPING DIAGRAM - MUSIC HALL CHILLER

SCALE: NO SCALE



3 TYPICAL PIPING AT INLET AND OUTLET OF CHILLER

SCALE: NO SCALE



1 PARTIAL DEMOLITION CHILLED WATER PIPING DIAGRAM - MUSIC HALL CHILLER

SCALE: NO SCALE

MECHANICAL KEYED NOTES

1. BALANCING VALVE TO BE PROVIDED WITH INFINITE POSITION CRANK OR MEMORY STOP FOR BALANCING SERVICE.
2. PROVIDE NEW VERTICAL INLINE PUMP. REFER TO DETAILS 3/M5.03.
3. PROVIDE BALL VALVE WITH HOSE THREADED ADAPTER AT FULL SIZE OR AT SIZE INDICATED.
4. ROUTE TYPE "L" COPPER DRAIN AT FULL SIZE INDICATED TO NEAREST FLOOR DRAIN.
5. PROVIDE AN ERNEST GAUGE #E-57-3 BRONZE BODY SIGHT GLASS WITH S.S. SHAFT, PLASTIC SPINNER AND DOUBLE WINDOW. OPERATING TEMPERATURE AND PRESSURE SHALL BE 200°F, 125 PSI MINIMUM.
6. PROVIDE DIFFERENTIAL PRESSURE SWITCH.
7. PROVIDE INLINE STRAINER.
8. PROVIDE PETE'S PLUG. (TYP.)
9. PROVIDE ISOLATION VALVE AS CLOSE AS POSSIBLE TO POT FEEDER. VALVE SHALL NOT BE INSTALLED HIGHER THAN CHEMICAL FEEDER.
10. PROVIDE NEW TAPS, VALVES AND FLANGES AS SHOWN TO ALLOW FOR ISOLATING THE NEW PIPING FROM THE EXISTING HYDRONIC LOOPS. TESTING, FLUSHING, AND TREATMENT OF NEW PIPING SHALL BE PERFORMED PRIOR TO OPENING THE NEW PIPING TO THE EXISTING HYDRONIC LOOPS. PURGE RITE OR COMPARABLE COMPANY SHALL PROVIDE ASSISTANCE TO THE MECHANICAL CONTRACTOR TO CONFIRM FLUSHING AND CLEANING AT DESIGN SYSTEM FLOW RATES. CHEMICAL TREATMENT MANUFACTURER SHALL TEST WATER TO CONFIRM COMPLIANCE OF FLUSHING AND TREATMENT OF WATER PRIOR TO OPENING THE NEW PIPING VALVES TO THE EXISTING HYDRONIC LOOP.
11. VERIFY AIRFLOW AND SERVICE CLEARANCES WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
12. INSTALL NEW CHILLER ON EXISTING CONCRETE HOUSEKEEPING PAD.
13. PROVIDE BUFFER TANK WITH INSULATION AND ALUMINUM JACKETING. REFER TO SPECIFICATIONS. PROVIDE REMOVABLE SECTION IN INSULATION AND JACKETING AT ASME TANK NAMEPLATE.

DEMOLITION KEYED NOTES

1. REMOVE EXISTING CHILLER AND ASSOCIATED DEVICES. EXISTING CONCRETE PAD TO REMAIN.
2. REMOVE PIPING TO THIS POINT.
3. REMOVE EXISTING CHEMICAL FEEDER AND ALL ASSOCIATED APPURTENANCES.
4. REMOVE EXISTING PUMP PIPING, ALL ASSOCIATED APPURTENANCES AND CONCRETE PAD.

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ISSUED: JANUARY 20, 2025

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1	Addendum 2	02.06.2025

Director Approver
Designer CA/SS
Proj. Arch. Checker
Drawn By CA/SS
Quality Control

PROJECT NO.

23-148.00

SHEET TITLE

MECHANICAL PIPING DIAGRAM

SHEET NO.

M5.04

2024 Cy-Creek HS Renovation

FAN SCHEDULE

TAG	LOCATION	CFM	EXT. STATIC PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	ELECTRICAL CHARACTRISTICS			LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
						V	P	F							
EF-1AS	ATHLETICS STORAGE	1,600	0.50	884	0.5	120	1	60	-	HUMIDITY SENSOR	INLINE	DIRECT	COOK	SQND	1,4,6,7,9
EF-14R	WELDING	3,600	3.50	1725	5	480	3	60	TIMER SWITCH	-	VENT SET	DIRECT	COOK	CF	1,8,10,11,12,13,14,15, 16,17
EF-B2	ART ROOM - STOR	1,055	0.50	1367	0.25	120	1	60	TIMER SWITCH	-	INLINE	DIRECT	COOK	SQND	1,4,6,11
EF-M4	RR/TLT	825	0.50	1520	0.25	120	1	60	-	SF-M1	ROOF MOUNTED	DIRECT	COOK	ACED	1,2
KEF-1	KITCHEN ROOF-AREA L	3,500	1.50	1738	2	480	3	60	HOOD	-	ROOF MOUNTED	DIRECT	COOK	VCR	1,2,3,4
KEF-2	KITCHEN ROOF-AREA L	3,500	1.50	1738	2	480	3	60	HOOD	-	ROOF MOUNTED	DIRECT	COOK	VCR	1,2,3,4
KEF-3	KITCHEN ROOF-AREA L	2,836	1.50	1557	2	480	3	60	HOOD	-	ROOF MOUNTED	DIRECT	COOK	VCR	1,2,3,4
KEF-4	KITCHEN ROOF-AREA L	1,155	1.25	1140	0.5	120	1	60	HOOD	-	ROOF MOUNTED	DIRECT	COOK	VCR	1,2,3,4,11
KEF-5	KITCHEN ROOF-AREA L	1,155	1.25	1140	0.5	120	1	60	HOOD	-	ROOF MOUNTED	DIRECT	COOK	VCR	1,2,3,4,11
KEF-6	KITCHEN ROOF-AREA L	1,200	1.50	1539	1	480	3	60	DISH HOOD	-	ROOF MOUNTED	DIRECT	COOK	VCR	1,2,3,4
KEF-7	KITCHEN ROOF-AREA L	500	0.50	1547	0.125	120	1	60	-	OAHU-12	ROOF MOUNTED	DIRECT	COOK	ACED	1,2
KSF-1	KITCHEN ROOF-AREA L	3,000	1.25	1140	2	480	3	60	-	KEF-1,2	ROOF MOUNTED	BELT	COOK	KSP	1,2,3
SF-2L	ORCHESTRA MEZANINE - AREA N	925	2.00	1601	1	480	3	60	-	AHU-L1	INLINE	DIRECT	COOK	SQND	1,4,6,8
SF-B1	MECH 1135-AREA B	1,500	2.00	1629	1	480	3	60	-	AHU-19	INLINE	DIRECT	COOK	SQND	1,4,6,8
SF-M1	MECH 1819 - AREA M	1,410	0.75	1076	0.5	120	1	60	-	AHU-20	ROOF MOUNTED	BELT	COOK	ASP	1,2

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH DISCONNECT.
2. PROVIDE WITH ROOF CURB AND BIRD SCREEN.
3. PROVIDE WITH FAN ROOF CURB,VENTED CURB EXTENSION, HINGE KIT, GREASE TRAP, DRAIN CONNECTIONS AND CLEANOUT PORT.
4. PROVIDE WITH LOW LEAKAGE MOTORIZED DAMPER THAT SHALL CLOSE WHEN UNIT IS NOT OPERATING. PROVIDED BY BMCS INSTALLED IN DUCTWORK BY MECHANICAL CONTRACTOR .
5. PROVIDE WITH OSHA APPROVED MOTOR GAURD.
6. SUSPEND UNIT WITH FOUR THREADED HANDLER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURES TO STRUCTURE. PROVIDE WITH SPRING ISOLATION.
7. PROVIDE INLINE FAN KIT AND FAN SPEED CONTROLLER
8. PROVIDE WITH VARIABLE FREQUENCY DRIVE.
9. FAN SHALL ENERGIZE WHEN TEMPERATURE RISES ABOVE 85 DEG. F.
10. INSTALL PER MANUFACTURER.
11. PROVIDE WITH EC MOTOR AND FAN SPEED CONTROLLER.
12. PROVIDE WITH ON/OFF SWITCH FOR CONTROL. REFER TO ELECTRICAL.
13. MOTOR SHALL BE RATED FOR USE WITH A VARIABLE FREQUENCY DRIVE.
14. PROVIDE WITH SPRING ISOLATION RAIL.
15. PROVIDE WITH TOP DISCHARGE.
16. PROVIDE WITH DRAIN AT BOTTOM OF FAN.

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
A	SUPPLY AIR	DIFFUSER	-	ALUMINUM	WHITE	TITUS	TMS	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24"FACE. CONE DIFFUSER.
C	SUPPLY AIR	DIFFUSER	-	ALUMINUM	WHITE	TITUS	TMS	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X24 FACE. CONE DIFFUSER.
E	RETURN AIR	GRILLE	-	ALUMINUM	WHITE	TITUS	350FL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED.
EE	EXHAUST AIR	GRILLE	-	-	-	-	-	EXISTING EXHAUST
ER	RETURN AIR	DIFFUSER	-	-	-	-	-	EXISTING RETURN
ES	SUPPLY AIR	DIFFUSER	-	-	-	-	-	EXISTING AIR DEVICE SHALL REMAIN. REUSE AND BALANCE TO INDICATED CFM.
F	SUPPLY AIR	GRILLE	-	ALUMINUM	WHITE	TITUS	300FL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED.
G	EXHAUST AIR	GRILLE	-	ALUMINUM	WHITE	TITUS	350FL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED.
H	EXHAUST AIR	GRILLE	-	ALUMINUM	WHITE	TITUS	350FL	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" FACE. LOUVERED FACE, 45 DEGREE DEFLECTION, 3/4" BLADE SPACING.
J	EXHAUST AIR	GRILLE	-	ALUMINUM	WHITE	TITUS	350FL	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X24" FACE. LOUVERED FACE, 45 DEGREE DEFLECTION, 3/4" BLADE SPACING.
M	RETURN AIR	GRILLE	-	ALUMINUM	WHITE	TITUS	350RL	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" FACE. LOUVERED FACE, 45 DEGREE DEFLECTION, 3/4" BLADE SPACING

GENERAL NOTES:
1. DAMPERS NOTED AS U.L. SHALL BE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH THERMAL BLANKET.
2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.

REMARKS:
1. N/A

PUMP

TAG	SERVICE	TYPE	GPM	HEAD (FT.)	MOTOR HORSE POWER	MAX. RPM	ELECTRICAL CHARAC.			MANUFACTURER	MODEL NUMBER	REMARKS
							V	P	F			
CHWP-4	ACC-2	VERTICAL INLINE	66	75	5	1800	480	3	60	ARMSTRONG	4300	1,2,3

GENERAL NOTES:
1. PUMP IS TO HAVE A NON-OVERLOADING MOTOR.
2. MINIMUM RECOMMENDED CLEARANCE AROUND A PUMP IS 24 INCHES. MAINTAIN MINIMUM CLEARANCES AS REQUIRED FOR SERVICE, MAINTENANCE, AND INSPECTION.

REMARKS:
1. PROVIDE WITH VARIABLE FREQUENCY DRIVE.
2. ~~PROVIDE SUCTION DIFFUSER AT PUMP INLET.~~
3. PROVIDE PUMP AND SUCTION DIFFUSER WITH GAUGE TAPPINGS.

PACKAGED AIR COOLED CHILLER

MARK	ACTUAL CAPACITY (TONS)	LEAVING WATER TEMP.(°F)	GPM	PRESSURE DROP (FT.)	AMBIENT AIR TEMP. (°F)	CURRENT CHARAC.			MCA	MOCP	REMARKS
						V	P	F			
ACC-2	27	42	66	15.0	95 °F	480	3	60	65	80	1-6

GENERAL NOTES:
1. MAXIMUM FOULING FACTOR FOR THE EVAPORATOR IS 0.0001
2. MAINTAIN MINIMUM CLEARANCES REQUIRED BY CHILLER MANUFACTURER FOR PROPER AIRFLOW TO FANS AND UNIT. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON EQUIPMENT FOR SERVICE, MAINTENANCE AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCES AS REQUIRED BY NEC.
3. CHILLER SHALL MEET OR EXCEED BOTH ABOVE SCHEDULED FULL-LOAD AND PART-LOAD EFFICIENCIES INDICATED IN IECC 2015. COMPLY BY PATH A OR BY PATH B AS REQUIRED BY IECC 2015.

REMARKS:
1. PROVIDE WITH LOW AMBIENT HEAD PRESSURE CONTROL.
2. PROVIDE WITH INTEGRAL MAIN ELECTRICAL DISCONNECT SWITCH.
3. PROVIDE WITH INSULATION ON ALL SUCTION LINES.
4. PROVIDE HIGH EFFICIENCY CHILLER (MIN. EFFICIENCY AS INDICATED PATH A: 10.1 FULL LOAD 13.7 EER IPLV OR PATH B:9.7 EER FULL LOAD:15.8 EER IPLV.)
5. PROVIDE WITH POLYMER CONDENSER FANS AND COMPRESSOR BLANKETS.
6. PRIOR TO BID, CONTRACTOR AND EQUIPMENT MANUFACTURER SHALL VISIT SITE TO INVESTIGATE EXISTING FIELD CONDITIONS, CHILLER SIZES AND CHILLER YARD ACCESSIBILITY TO ENSURE PROPER PROVISIONS ARE PROVIDED TO ALLOW FOR INSTALLATIONS.

EXISTING ROOF MOUNTED AIR HANDLING UNIT

MARK	FAN							COOLING							HEATING					PIPE SIZE TO COIL (IN.)		REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. STATIC PRESSURE (IN. W.C)	HORSE POWER	ELECTRICAL CHARAC.			AIR TEMPERATURE (°F)				WATER			ENTERING AIR TEMPERATURE (°F)	MIN. HEATING CAPACITY	WATER			CHILLED WATER	HOT WATER	
					V	PH	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	ENTERING TEMP (°F)	GPM	PRESSURE DROP (FT.)			ENTERING TEMP. (°F)	GPM	PRESSURE DROP (FT.)			
(E)MAU-1	2,450	2,450	1.25	5.0	480	3	60	98.0	80.0	75.0	74.0	45	19.7	15.0	27.0	119,024	160.0	11.9	10.0	1 1/2"	1 1/4"	1,2

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. EXISTING UNIT SHALL BE MODIFIED TO SCHEDULED PERFORMANCE AS NOTED ABOVE.
2. VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL.

CONSTANT VOLUME TERMINAL BOX

MARK	MAXIMUM CFM	MINIMUM CFM	INLET DIAMETER SIZE (IN.)	ELECTRICAL CHARAC.			HOT WATER COIL			REMARKS
				V	P	F	ENTERING WATER TEMP. (°F)	GPM	CONNECTING PIPE SIZE (IN.)	
CVB-20-1	895	360	10	277	1	60	130	2.7	3/4"	-
CVB-20-2	1,105	445	12	277	1	60	130	3.4	1"	-

GENERAL NOTES:
1. MAXIMUM STATIC PRESSURE DROP OF AIR THROUGH THE TERMINAL BOX SHALL BE 0.2" ESP.
2. MAXIMUM VELOCITY THROUGH DUCT INLET SHALL BE 2,000 FPM.
3. MAXIMUM STATIC PRESSURE DROP THROUGH HEATER COIL SHALL BE 0.25" ESP.
4. MAXIMUM STATIC PRESSURE DROP OF WATER THROUGH HEATER COIL SHALL BE 10' W.G.
5. BTUH REQUIRED FOR HOT WATER HEATING IS HEATING GPM MULTIPLIED BY 10,000.
6. SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO STRUCTURE. PROVIDE SPRING ISOLATION. REFER TO MANUFACTURER FOR MORE DETAILS.
7. UNITS TO BE MOUNTED BETWEEN BEAMS AND 18" MAXIMUM ABOVE CEILING. AVOID MOUNTING OVER LIGHTS WHEREVER POSSIBLE.
8. REFER TO PIPING AT HOT WATER COIL DETAILS. PROVIDE WITH 2-WAY CONTROL VALVE UNLESS OTHERWISE SCHEDULED.
9. CVB MOTOR SIZE, BASED ON 0.35" ESP, AS FOLLOWS:
   - A. 0-400 CFM REQUIRE 1/10 HORSEPOWER MOTOR
   - B. 401-700 CFM REQUIRE A 1/4 HORSEPOWER MOTOR
   - C. 701-1100 CFM REQUIRE A 1/2 HORSEPOWER MOTOR
   - D. 1101-1500 CFM REQUIRE A 3/4 HORSEPOWER MOTOR

REMARKS:
1. N/A

DUAL DUCT TERMINAL BOX

MARK	COOLING			HEATING		REMARKS
	CFM		INLET DIAMETER SIZE (IN.)	MAXIMUM CFM	INLET DIAMETER SIZE (IN.)	
	MAX.	MIN.				
DDB-B1	1,470	650	12	1180	12	-
DDB-B2	1,250	550	12	1000	10	-
DDB-B3	690	305	8	555	8	-

GENERAL NOTES:
1. MAXIMUM STATIC PRESSURE DROP OF AIR THROUGH THE TERMINAL BOX SHALL BE 0.2" W.G.
2. MAXIMUM VELOCITY THROUGH DUCT INLET SHALL BE 2,000 FPM.
3. SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO STRUCTURE. REFER TO MANUFACTURER FOR MORE DETAILS.
4. UNITS TO BE MOUNTED BETWEEN BEAMS AND 18" MAXIMUM ABOVE CEILING. AVOID MOUNTING OVER LIGHTS WHEREVER POSSIBLE.

REMARKS:
1. N/A

EXISTING VARIABLE VOLUME TERMINAL BOX (NO HEAT)

MARK	MAXIMUM CFM	INLET DIAMETER SIZE (IN.)	REMARKS
(E)VAV-1	1,900	14	1
(E)VAV-2	550	8	1

GENERAL NOTES:
1. MAXIMUM STATIC PRESSURE DROP OF AIR THROUGH THE TERMINAL BOX SHALL BE 0.2" ESP.
2. MAXIMUM VELOCITY THROUGH DUCT INLET SHALL BE 2,000 FPM.
3. MAXIMUM STATIC PRESSURE DROP THROUGH HEATER COIL SHALL BE 0.25" ESP.
4. MAXIMUM STATIC PRESSURE DROP OF WATER THROUGH HEATER COIL SHALL BE 10' W.G.
5. BTUH REQUIRED FOR HOT WATER HEATING IS HEATING GPM MULTIPLIED BY 10,000.
6. SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO STRUCTURE. REFER TO MANUFACTURER FOR MORE DETAILS.
7. UNITS TO BE MOUNTED BETWEEN BEAMS AND 18" MAXIMUM ABOVE CEILING. AVOID MOUNTING OVER LIGHTS WHEREVER POSSIBLE.
8. REFER TO PIPING AT HOT WATER COIL DETAILS. PROVIDE WITH 2-WAY CONTROL VALVE UNLESS OTHERWISE SCHEDULED.

REMARKS:
1. EXISTING UNIT SHALL BE MODIFIED TO SCHEDULED PERFORMANCE AS NOTED ABOVE.

DUAL DUCT AIR HANDLING UNIT

MARK	FAN							COOLING							HEATING						PIPE SIZE TO COIL (IN.)		REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. STATIC PRESSURE (IN. W.C)	HORSE POWER	ELECTRICAL CHARACTERISTICS			AIR TEMPERATURE (°F)				WATER			HEATING AIR CFM	ENTERING AIR TEMPERATURE (°F)	MIN. HEATING CAPACITY (BTU/HR)	WATER			CHILLED WATER	HOT WATER	
					V	PH	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	ENTERING TEMP (°F)	GPM	MAX. PRESSURE DROP (FT.)				ENTERING TEMP. (°F)	GPM	MAX. PRESSURE DROP (FT.)			
AHU-17	13,550	3,900	3.30	20.0	480	3	60	75.0	63.0	53.0	52.5	45.0	68.4	15.0	9,400	65.0	439,020	180.0	44.1	10.0	3"	2 1/2"	1,2,4,5,6,7,8,11,12
AHU-19	3,410	1,500	2.00	5.0	480	3	60	75.0	63.0	53.0	52.5	45.0	17.2	15.0	2,735	64.5	112,325	180.0	11.3	10.0	1 1/2"	1 1/4"	1,2,3,5,6,7,9,10,12

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. HORIZONTAL BLOW THROUGH DUAL DUCT UNIT.
2. VELOCITY NOT TO EXCEED 500 FPM ON COOLING COIL.
3. PROVIDE LOW VELOCITY ANGLED FILTER SECTION.
4. PROVIDE WITH FLAT FILTER SECTION
5. PROVIDE VARIABLE FREQUENCY DRIVE.
6. PROVIDE 2-WAY COOLING CONTROL VALVES.
7. PROVIDE 2-WAY HEATING CONTROL VALVES.
8. DUAL DUCT FRONT DISCHARGE.
9. DUAL DUCT TOP DISCHARGE.
10. SPLIT DEHUMIDIFICATION UNIT (OAHU-13) TO BE MOUNTED ON TOP OF AHU AND BE CONFIGURED TO SUPPLY AIR IN THE RETURN AIR SECTION OF THE MAIN AHU.
11. UNIT SHALL NOT EXCEED THE FOLLOWING DIMENSIONS: LENGTH = 11'-6" , WIDTH = 8'-8", AND HEIGHT = 6'-3"
12. PRIOR TO BID, CONTRACTOR AND EQUIPMENT MANUFACTURER SHALL VISIT SITE TO INVESTIGATE EXISTING FIELD CONDITIONS, UNIT SIZES AND MECHANICAL ROOM ACCESSIBILITY TO ENSURE PROPER PROVISIONS ARE PROVIDED TO ALLOW FOR INSTALLATIONS.

AIR HANDLING UNIT

MARK	FAN							COOLING								HEATING					PIPE SIZE TO COIL (IN.)		REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. STATIC PRESSURE (IN. W.C)	HORSE POWER	ELECTRICAL CHARACTERISTICS			AIR TEMPERATURE (°F)				MIN. COOLING CAPACITY	WATER			ENTERING AIR TEMPERATURE (°F)	MIN. HEATING CAPACITY	WATER			CHILLED WATER	HOT WATER	
					V	PH	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB		ENTERING TEMP (°F)	GPM	PRESSURE DROP (FT.)			ENTERING TEMP. (°F)	GPM	PRESSURE DROP (FT.)			
AHU-11	10,240	2,800	1.50	15.0	480	3	60	75.0	63.0	53.0	52.5	311,300	45	51.8	15.0	55.0	442,368	180.0	44.7	10.0	2 1/2"	2 1/2"	1,4,7,8,10,12,15,17,19,20
AHU-12	9,515	2,250	1.50	15.0	480	3	60	75.0	63.0	53.0	52.5	289,200	45	48.2	15.0	69.0	267,181	180.0	27.0	10.0	2 1/2"	2"	1,5,8,10,12,14,17,18,20
AHU-20	7,485	1,410	2.00	10.0	480	3	60	79.2	66.3	53.0	52.5	310,800	45	50.9	15.0	-	-	-	-	-	2 1/2"	-	1,3,6,9,10,12,17,20
AHU-21	8,775	1,435	1.50	10.0	480	3	60	75.0	63.0	53.0	52.5	266,800	45	44.4	15.0	69.2	244,507	180.0	24.7	10.0	2 1/2"	2"	1,4,7,8,10,12,15,16,20
AHU-L1	4,050	925	1.50	5.0	480	3	60	73.0	62.0	53.0	52.5	110,200	45	18.3	15.0	66.5	124,659	160.0	12.6	10.0	1 1/2"	1 1/4"	1-9,20
OAHU-11	3,900	3,900	1.50	5.0	480	3	60	98.0	80.0	53.0	52.5	382,400	45	63.7	15.0	27.0	117,936	180.0	11.9	10.0	3"	1 1/4"	2,4,7,8,11,13,14,16,20
OAHU-12	1,435	1,435	1.50	2.0	480	3	60	98.0	80.0	53.0	52.5	140,300	45	23.4	15.0	27.0	43,394	180.0	4.4	10.0	2"	1"	2,4,7,9,10,13,14,16,20

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. VELOCITY NOT TO EXCEED 500 FPM ON COOLING COIL.
2. VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL.
3. PROVIDE VERTICAL UNIT.
4. PROVIDE HORIZONTAL UNIT.
5. PROVIDE MULTIZONE UNIT
6. PROVIDE VARIABLE VOLUME UNIT WITH VARIABLE FREQUENCY DRIVE.
7. PROVIDE CONSTANT VOLUME UNIT WITH VARIABLE FREQUENCY DRIVE.
8. PROVIDE FRONT DISCHARGE.
9. PROVIDE TOP DISCHARGE.
10. PROVIDE TWO-WAY COOLING CONTROL VALVES.
11. PROVIDE THREE-WAY COOLING CONTROL VALVES.
12. PROVIDE TWO-WAY HEATING CONTROL VALVES.
13. PROVIDE THREE-WAY HEATING CONTROL VALVES.
14. PROVIDE HOT WATER COIL IN PRE-HEAT POSITION.
15. PROVIDE HOT WATER COIL IN REHEAT POSITION.
16. PROVIDE UNIT WITH ANGLED FILTER SECTION.
17. PROVIDE UNIT WITH FLAT FILTER SECTION.
18. UNIT SHALL NOT EXCEED THE FOLLOWING DIMENSIONS: LENGTH = 10'-0" , WIDTH = 7'-7", AND HEIGHT = 7'-1"
19. UNIT SHALL NOT EXCEED THE FOLLOWING DIMENSIONS: LENGTH = 10'-8" , WIDTH = 8'-4", AND HEIGHT = 5'-4"
20. PRIOR TO BID, CONTRACTOR AND EQUIPMENT MANUFACTURER SHALL VISIT SITE TO INVESTIGATE EXISTING FIELD CONDITIONS, UNIT SIZES AND MECHANICAL ROOM ACCESSIBILITY TO ENSURE PROPER PROVISIONS ARE PROVIDED TO ALLOW FOR INSTALLATIONS.

SPLIT DEHUMIDIFICATION UNIT

MARK	FAN							COOLING							HEATING					PIPE SIZE TO COIL (IN.)		REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. STATIC PRESSURE (IN. W.C)	HORSE POWER	ELECTRICAL CHARACTERISTICS			AIR TEMPERATURE (°F)				WATER			ENTERING AIR TEMPERATURE (°F)	MIN. HEATING CAPACITY	WATER			CHILLED WATER	HOT WATER	
					V	PH	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	ENTERING TEMP (°F)	GPM	PRESSURE DROP (FT.)			ENTERING TEMP. (°F)	GPM	PRESSURE DROP (FT.)			
OAHU-13	1,500	1,500	-	-	-	-	-	98.0	80.0	53.0	52.5	45	24.5	15.0	27.0	45,360	180.0	4.6	10.0	2"	1"	1-8
OAHU-L1	925	925	-	-	-	-	-	98.0	80.0	53.0	52.0	45	15.3	15.0	25.0	29,970	160.0	3.0	10.0	1 1/2"	3/4"	1-8

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL.
2. PROVIDE TWO-WAY COOLING CONTROL VALVES.
3. PROVIDE THREE-WAY HEATING CONTROL VALVES.
4. PROVIDE HOT WATER COIL IN PRE-HEAT POSITION.
5. PROVIDE UNIT WITH ANGLED FILTER SECTION.
6. SPLIT DEHUMIDIFICATION UNIT TO BE MOUNTED ON TOP OF AHU-19 AND BE CONFIGURED TO SUPPLY AIR IN THE RETURN AIR SECTION OF THE MAIN AHU.
7. UNIT SHALL BE STACKED OAU FURNISHED WITH ASSOCIATED UNIT. UNIT INCLUDES ANGLED FILTER SECTION MIXING BOX, PREHEAT COIL, ACCESS SPACE, COOLING COIL AND DISCHARGE PLENUM.
8. PRIOR TO BID, CONTRACTOR AND EQUIPMENT MANUFACTURER SHALL VISIT SITE TO INVESTIGATE EXISTING FIELD CONDITIONS, UNIT SIZES AND MECHANICAL ROOM ACCESSIBILITY TO ENSURE PROPER PROVISIONS ARE PROVIDED TO ALLOW FOR INSTALLATIONS.

DUCTLESS MINI-SPLIT - INDOOR UNIT

MARK	FAN						AIR TEMPERATURE (°F)		COOLING			HEATING		LOCATION	REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	ELECTRICAL CHARAC.			ENTERING DRY BULB	ENTERING WET BULB	MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	MINIMUM EER/ SEER	ENTERING AIR TEMP.(°F)	MINIMUM CAPACITY (BTUH)		
				V	P	F									
DMS-1	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF C 1101	1-7
DMS-2	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF 1218A	1-7
DMS-3	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF E 1304	1-7
DMS-4	920	0	0.25	208	1	60	78.0	65.0	36,000	16,000	10.8/19.4	-	-	MDF 1061	1-7
DMS-5	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF 1412	1-7
DMS-6	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF H 1522B	1-7
DMS-7	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF 1731	1-7
DMS-8	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF OFFICE 1913	1-7
DMS-9	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF N 1751G	1-7
DMS-10	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF M 1820B	1-7
DMS-11	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF D 2101	1-7
DMS-12	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF F 2244	1-7
DMS-13	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF J 2412	1-7
DMS-14	775	0	0.25	208	1	60	78.0	65.0	24,000	10,000	12.2/21.3	-	-	IDF I 2515A	1-7
DMS-15	775	0	0.25	208	1	60	78.0	65.0	31,400	14,000	12.6/21.5	65	25,230	PRESSBOX	1-4,6,7

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.
5. PROVIDE WITH LITTLE GIANT CONDENSATE PUMP MODEL 554652 VCMA-20ULS-C-PRO, 1/30 HP, 115V/1PH/60HZ. INTALL PUMP OUTSIDE THE UNIT.
6. PROVIDE A WATER LEVEL SENSING DEVICE IN THE PRIMARY DRAIN PAN. THIS DEVICE SHALL SHUT OFF THE APPLIANCE IN THE EVENT THE PRIMARY DRAIN LINE BECOMES RESTRICTED.
7. PRIOR TO BID, CONTRACTOR AND EQUIPMENT MANUFACTURER SHALL VISIT SITE TO INVESTIGATE EXISTING FIELD CONDITIONS, UNIT SIZES AND MECHANICAL ROOM ACCESSIBILITY TO ENSURE PROPER PROVISIONS ARE PROVIDED TO ALLOW FOR INSTALLATIONS.

HOT WATER COIL (DUCT ACCESSORY)

MARK	CFM	ENTERING AIR TEMP.(°F)	GPM	MINIMUM CAPACITY (BTUH)	MAXIMUM PRESSURE DROP		MIN. FACE AREA (SQ.FT.)	HW PIPE SIZE (IN.)	SERVES	REMARKS
					AIR (IN. W.G.)	WATER				
HWC-1	1,470	25	4.8	47,628	0.25	10.0	2.1	1"	AHU-20	1
HWC-L1	1,470	27	5.3	52,391	0.25	10.0	2.1	1"	KSF-1	1

REMARKS:
1. PROVIDE WITH FLANGE FOR MOUNTING IN DUCTWORK.

RELIEF VENT & O.A. INTAKE

MARK	CFM	MAX. S.P. (IN.WC.)	MIN. THROAT AREA	MODEL	SERVES	REMARKS
OAI-1S	8,000	0.11 in-wg	16.1 SF	GI	PAINT BOOTH EXHAUST FAN	1,2,3,4
OAI-2R	7,200	0.09 in-wg	16.1 SF	GI	WELDING	1,2,3,4
OAI-L1	925	0.04 in-wg	3.0 SF	GI	AHU-L1	1,2,3,4

REMARKS:
1. PROVIDE WITH ROOF CURB .
2. PROVIDE WITH BIRD SCREEN.
3. PROVIDE WITH MOTORIZED DAMPLERS.
4. HOOD SHALL BE RATED FOR 150 MPH WIND LOADS.

DUCTLESS MINI-SPLIT - OUTDOOR UNIT

MARK	MIN. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER/ SEER	MIN HEAT CAPACITY (BTUH)	ELECTRICAL CHARAC.			RELATED UNIT MARK	MCA	MOCP	REMARKS
					V	PH	F				
CU-1	24,000	98	12.2/21.3	0	208	1	60	DMS-1	19	25	1-5
CU-2	24,000	98	12.2/21.3	0	208	1	60	DMS-2	19	25	1-5
CU-3	24,000	98	12.2/21.3	0	208	1	60	DMS-3	19	25	1-5
CU-4	36,000	98	10.8/19.4	0	208	1	60	DMS-4	25	30	1-5
CU-5	24,000	98	12.2/21.3	0	208	1	60	DMS-5	19	25	1-5
CU-6	24,000	98	12.2/21.3	0	208	1	60	DMS-6	19	25	1-5
CU-7	24,000	98	12.2/21.3	0	208	1	60	DMS-7	19	25	1-5
CU-8	24,000	98	12.2/21.3	0	208	1	60	DMS-8	19	25	1-5
CU-9	24,000	98	12.2/21.3	0	208	1	60	DMS-9	19	25	1-5
CU-10	24,000	98	12.2/21.3	0	208	1	60	DMS-10	19	25	1-5
CU-11	24,000	98	12.2/21.3	0	208	1	60	DMS-11	19	25	1-5
CU-12	24,000	98	12.2/21.3	0	208	1	60	DMS-12	19	25	1-5
CU-13	24,000	98	12.2/21.3	0	208	1	60	DMS-13	19	25	1-5
CU-14	24,000	98	12.2/21.3	0	208	1	60	DMS-14	19	25	1-5
CU-15	31,400	98	12.6/21.5	25230	208	1	60	DMS-15	18	20	1-4,6

GENERAL NOTES:
1. MINIMUM RECOMMENDED CLEARANCE AROUND ROOFTOP UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE LOW AMBIENT CONTROL DOWN TO 20°F.
2. UNIT TO BE INSTALLED PER MANUFACTURER.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE WITH DISCONNECT.
5. PROVIDE COOLING ONLY UNIT.
6. PROVIDE HEAT PUMP UNIT.

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Issue For Proposal

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02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	CA/SS
Designer	Quality Control
CA/SS	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
MECHANICAL SCHEDULES

SHEET NO.
M6.01

2024 Cy-Creek HS Renovation

LIGHTING FIXTURE SCHEDULE

Type Mark	CATALOG NUMBER MANUFACTURER	CATALOG NUMBER MODEL	MOUNTING	LAMP TYPE	CCT	CRI	VOLTAGE	LOAD	REMARKS
A1	DAYBRITE	2FPZ-48L-840-4-DS-UNV-DIM	RECESSED	4800L LED	4000 K	80	277 V	47 W	2'X4' LED FLAT PANEL TROFFER
A2	DAYBRITE	2FPZ-43L-840-4-DS-UNV-DIM	RECESSED	4300L LED	4000 K	80	277 V	47 W	2'X4' LED FLAT PANEL TROFFER
A3	DAYBRITE	2FPZ-74L-840-4-DS-UNV-DIM	RECESSED	7400L LED	4000 K	80	277 V	47 W	2'X4' LED FLAT PANEL TROFFER, KITCHEN
BL	STONCO	VWXL-14-NW-G1-8	WALL	1200L LED	4000 K	80	277 V	12 W	EXTERIOR DECORATIVE UP/DOWN WALL MOUNTED CYLINDRICAL WALL SCONCE SUITABLE FOR WET LOCATION.
C1	DAYBRITE	FSS4-40L-840-UNV-DIM/FKR-126/FSSWG4	PENDANT	4000L LED	4000 K	80	277 V	30 W	4' LENSED LED STRIPLIGHT WITH WIREGUARD AND 0-10V DIMMING DRIVER.
C1E	DAYBRITE	FSS4-40L-840-UNV-DIM/FKR-126/FSSWG4-EMLED	PENDANT	4000L LED	4000 K	80	277 V	30 W	4' LENSED LED STRIPLIGHT WITH WIREGUARD AND 0-10V DIMMING DRIVER. PROVIDE WITH 90-MINUTE EMERGENCY BATTERY PACK.
D1	DAYBRITE	HCY-1421L-8CST-UN3-DIM	SURFACE	15,292L LED	4000 K	80	277 V	101 W	1'1/2" RND LED HIGH-BAY FIXTURE. 0-10V DIMMING.
D1E	DAYBRITE	HCY-1421L-8CST-UN3-DIM	SURFACE	15,292L LED	4000 K	80	277 V	101 W	1'1/2" RND LED HIGH-BAY FIXTURE. 0-10V DIMMING, PROVIDE AN EMERGENCY 90 MIN. BATTERY BACK-UP.
F1	AXIS LIGHTING	EX2S-300-80-40-SO-4'-W-UNV-DP-1-SB-EF	SURFACE	300L/FT LED	4000 K	80	277 V	24 W	4' WET LOCATION LINEAR, EXTRUDED ALUMINUM HOUSING, SURFACE BRACKET, WHITE FINISH, END FEED. MOUNT IN UPPER CAVITY OF CANOPY WITH WATER TIGHT SEALS AND SS HARDWARE.
P1	LIGHTOLIER	C6-P-DL-35-940-M-DMX-U-BK	PENDANT	4800L LED	4000 K	80	277 V	30 W	6" CYLINDER PENDANT MOUNT DIRECT LED. MOUNT BOTTOM OF PENDANT FLUSH WITH BLACKBOX PIPE GRID.
T	INSIGHT	PCM-40K-120-SM-48-UNV-DIM-MG-EL	RECESSED	LED	4000 K	80	277 V	30 W	LINEAR DISPLAY CASE LED LIGHT WITH 0-10V DIMMING DRIVER.
WP	STONCO	LPW-32-90-NW-G3-3-UNV-PCB	WALL	3747L LED	4000 K	80	277 V	30 W	MOUNT FIXTURE AT +12'-0" AFF
WPE	STONCO	LPW-32-90-NW-G3-3-EBF-UNV-PCB	WALL	3747L LED	4000 K	80	277 V	30 W	MOUNT FIXTURE AT +12'-0" AFF, WITH EMERGENCY BATTERY BACK-UP.
X	CHLORIDE	44RLU1RM	WALL	LED	4000 K	0	277 V	3 W	SINGLE FACED EDGE LIT EXIT SIGN, WHITE HOUSING, RED LETTERING, MIRROR BACKGROUND. PROVIDE CHEVRON DIRECTIONAL ARROS AS INDICATED OR REQUIRED BY AHJ.
X1	CHLORIDE	44RLU1RM	CEILING	LED	4000 K	0	277 V	3 W	DOUBLE FACED EDGE LIT EXIT SIGN, WHITE HOUSING, RED LETTERING, MIRROR BACKGROUND. PROVIDE CHEVRON DIRECTIONAL ARROS AS INDICATED OR REQUIRED BY AHJ.
XV	CHLORIDE	60MLA3RW	UNIVERSAL	LED	4000 K	0	277 V	3 W	SINGLE FACED VANDAL RESISTANT EXIT SIGN, WET LOCATION, AC ONLY, WHITE HOUSING, RED LETTERING. PROVIDE CHEVRON DIRECTIONAL ARROWS AS INDICATED OR REQUIRED BY AHJ.

1. FIXTURES SHOWN ON THE FLOORPLAN HAVING A DESIGNATION OF "E" FOLLOWING THE BASE DESIGNATION (I.E. - A FIXTURE TYPE "AE, C2E, FE") AND/OR A HALF SHADED REGION SHALL BE THE BASE FIXTURE TYPE EQUIPPED WITH THE APPROPRIATE BATTERY BACK-UP. BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE AND REMOTE SHALL BE SELECTED ONLY IN INSTANCES WHERE IT IS SPECIFIED OR WHEN IT IS THE ONLY AVAILABLE EMERGENCY OPTION. THE LOCATION OF REMOTE BATTERY BACKUPS SHALL BE SELECTED BY THE OWNER/ARCHITECT PRIOR TO INSTALLATION BY THE CONTRACTOR.
2. ALL REQUIRED TEST SWITCHES FOR THE BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE.
3. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT INDICATED IN THE LIGHTING FIXTURE SCHEDULE. WHERE THERE IS AN INCONSISTENCY BETWEEN THE LIGHTING FIXTURE SCHEDULE AND THE SPECIFICATIONS, THE GREATER QUANTITY OR HIGHER QUALITY OF WORK SHALL BE INCLUDED IN THE PROPOSAL.
4. UNLESS OTHERWISE INDICATED ON THE SCHEDULE ABOVE, THE ARCHITECT/OWNER SHALL SELECT ALL FINISHES, COLORS, AND TRIMS.
5. ALL LED FIXTURE BOARDS AND DRIVERS SHALL BE OF THE LATEST GENERATION, BASED UPON THE INDIVIDUAL MANUFACTURER'S STATED LITERATURE. IF A "GEN 5" IS AVAILABLE, "GEN 4" FIXTURES ARE NOT ACCEPTABLE.
6. EXIT SIGNS AND EMERGENCY BATTERY BACK-UPS SHALL BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT AHEAD OF ALL SWITCHING AS REQUIRED TO MAINTAIN THE BATTERIES AT FULL CHARGE. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL WIRING AS REQUIRED.
7. LIGHTING FIXTURE MANUFACTURERS OTHER THAN THOSE LISTED IN THE LIGHTING FIXTURE SCHEDULE AND DESIRING TO BID THIS PROJECT SHALL REQUEST PRIOR APPROVAL OF THE FIXTURES THEY WISH TO SUBSTITUTE. PRIOR APPROVAL REQUEST SHALL INCLUDE FIXTURE CUT SHEETS.
8. FOR PRIOR APPROVALS AND SUBMITTALS THAT DEVIATE FROM NOMINAL WATTAGE AND/OR DELIVERED LUMENS, IT SHALL BE UP THE ENGINEER'S SOLE DISCRETION TO APPROVE OR DECLINE THESE FIXTURES BASED ON ANY AND ALL FACTORS INCLUDING BUT NOT LIMITED TO INTENDED LIGHTING LEVELS FOR EACH SPACE AND IMPACT ON THE OVERALL ELECTRICAL POWER SYSTEM.
9. ALL LIGHTING SPECIFIED SHALL BE 4000K INTERIOR UNLESS NOTED OTHERWISE.
10. THE CONTRACTOR SHALL PROVIDE ALL HARDWARE AND ACCESSORIES AS REQUIRED TO INSTALL FIXTURES IN LOCATIONS AS ILLUSTRATED WITH MOUNTING METHODS DESIRED.
11. WHEN A UNIVERSAL (120-277V) VOLTAGE OPTION IS AVAILABLE, IT SHALL BE PROVIDED. OTHERWISE PROVIDE AS INDICATED IN SCHEDULE.
12. FOR ALL SUSPENDED FIXTURES, COORDINATE THE EXACT MOUNTING ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE SUSPENSION HARDWARE IN LENGTHS AS REQUIRED.
13. FIXTURES SHOWN ON THE FLOORPLAN HAVING A DESIGNATION OF "X" FOLLOWING THE BASE DESIGNATION (I.E. - A FIXTURE TYPE "AX, C2X, FX") SHALL BE THE BASE FIXTURE TYPE CONNECTED TO EMERGENCY LIGHTING INVERTER SYSTEM. REFER TO DETAIL 3 SHEET 10.42 FOR ADDITIONAL INFORMATION.
14. FIXTURES SHOWN ON THE FLOORPLAN HAVING A DESIGNATION OF "A" FOLLOWING THE BASE DESIGNATION (I.E. - A FIXTURE T YPE "A1A, C2A, FA") SHALL BE THE BASE FIXTURE TYPE EXCEPT SUITABLE FOR GYPSUM CEILING INSTALLATION AND EQUIPPED WITH THE APPROPRIATE BATTERY BACK-UP. BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE AND REMOTE SHALL BE SELECTED ONLY IN INSTANCES WHERE IT IS SPECIFIED OR WHEN IT IS THE ONLY AVAILABLE EMERGENCY OPTION. THE LOCATION OF REMOTE BATTERY BACKUPS SHALL BE SELECTED BY THE OWNER/ARCHITECT PRIOR TO INSTALLATION BY THE CONTRACTOR.
15. ALL EXTERIOR LIGHT FIXTURES RECESSED IN A CANOPY OR SURFACED MOUNTED DIRECTLY TO THE BOTTOM OF A CANOPY SHALL BE UL OR ETL LISTED AS WET LOCATION. WHERE SPECIFICALLY STATED IN THE LIGHTING FIXTURE SCHEDULE AS "DAMP LOCATION" FIXTURES AND PROTECTED BY THE BUILDING STRUCTURE FROM FALLING OR WIND DRIVEN RAIN OR SNOW, THEY MAY BE EITHER DAMP OR WET LOCATION LISTED.
16. ALL EXTERIOR LIGHT FIXTURES NOT RECESSED IN A CANOPY OR SURFACED MOUNTED DIRECTLY TO THE BOTTOM OF A CANOPY SHALL BE UL OR ETL LISTED AS WET FROM ABOVE LOCATION.

LIGHTING CONTROLS SCHEDULE

Type	Sensor Operation	# of Lighting Zones	Description
RA	VACANCY - MANUAL ON / AUTO OFF	1	ROOM CONTROLLER, 0-10V DIMMING, REFER TO SINGLE ZONE (DIMMING) DETAIL.
RB	VACANCY - MANUAL ON / AUTO OFF	1	ROOM CONTROLLER, NO DIMMING, REFER TO SINGLE ZONE DETAIL.
RC	VACANCY - MANUAL ON / AUTO OFF	1	ROOM CONTROLLER, 0-10V DIMMING, REFER TO CLASSROOM DETAIL.
RD	NONE	1	ON/OFF SPRING WOUND TIMER SWITCH, 12-HOUR WITH HOLD. PROVIDE INTERMATIC #FD12HHW OR APPROVED EQUAL. WHERE MULTIPLE SWITCHES ARE USED, WIRE SWITCHES IN PARALLEL FOR SIMULTANEOUS OPERATION WITHIN SPACE.
RE	OCCUPIED STATE - OCCUPANCY - AUTO ON ONLY UNOCCUPIED STATE - OCCUPANCY AUTO ON / AUTO OFF	1	BMCS ON/OFF INTERFACE FOR OCCUPIED / UNOCCUPIED BUILDING OPERATION AND KEYPAD SWITCH LOCATED IN CORRIDOR NEAR MAIN ENTRY. REFER TO CORRIDOR DETAIL.
RF	NONE	1	CONTACTOR CONTROLLED WITH BMCS ON/OFF INTERFACE FOR PHOTOSENSOR / SCHEDULE EXTERIOR LIGHTING SHALL BE TURNED OFF FROM 12:00AM TO 6:00AM OR FROM 1 HOUR AFTER CLOSING TO 1 HOUR BEFORE OPENING. MANUAL OVERRIDE LOCATED IN MDF ROOM.
RG	NONE	1	BMCS ON/OFF INTERFEACE FOR OCCUPIED / UNOCCUPIED BUILDING OPERATION, LOCAL ON/OFF SWITCH. BMCS INTERFACE SHALL TURN LIGHTS OFF ONLY.
RT	NONE	2	CONTROLS BY THEATRICAL CONSULTANT. COORDINATE WITH THEATRICAL CONTRACTOR TO PROVIDE FINAL POINT OF CONNECTION.
ER	-	-	UL924 LOAD CONTROL RELAY, PLENUM RATED, 0-10V COMPATIBLE, 16A MINIMUM
ES	-	-	UL1008 GENERATOR TRANSFER DEVICE, PLENUM RATED, 0-10V COMPATIBLE, 16A MINIMUM

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	LIGHT FIXTURE
	LIGHT FIXTURE - RECESSED OR SURFACE MOUNTED ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
H	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
H	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED ON EMERGENCY CIRCUIT
H	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED ON EMERGENCY CIRCUIT
SWITCHES	
$	LINE VOLTAGE SINGLE POLE SWITCH
$2	LINE VOLTAGE 2-POLE SWITCH
$3	LINE VOLTAGE 3-WAY SWITCH
$4	LINE VOLTAGE 4-WAY SWITCH
$K	LINE VOLTAGE MOMENTARY DPST KEYED SWITCH
$3K	LINE VOLTAGE MOMENTARY DPST KEYED 3-WAY SWITCH
$D	LINE VOLTAGE WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$VD	LINE VOLTAGE WALL MOUNTED DIMMER SWITCH WITH VACANCY SENSOR. MANUAL ON / AUTO OFF.
$V	LINE VOLTAGE WALL MOUNTED SWITCH WITH VACANCY SENSOR. MANUAL ON / AUTO OFF.
$OC	LINE VOLTAGE WALL MOUNTED SWITCH WITH OCCUPANCY SENSOR. AUTO ON / AUTO OFF.
$P	LINE VOLTAGE SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
[B]	PUSH BUTTON
$TH	6-HOUR TIMER SWITCH WITH HOLD
$T	6-HOUR TIMER SWITCH WITH NO HOLD
LOW VOLTAGE LIGHTING CONTROLS	
$R	LOW VOLTAGE DIGITAL LIGHTING WALL SWITCH
$B	BMCS TIMER LOCAL OVERRIDE SWITCH
P	CEILING MOUNTED PHOTO SENSOR
V	CEILING MOUNTED VACANCY SENSOR, MANUAL ON / AUTO OFF
S	CEILING MOUNTED OCCUPANCY SENSOR, AUTO ON / AUTO OFF
RF	LIGHTING CONTROL SYSTEM. (# DENOTES TYPE - SEE LIGHTING CONTROLS SCHEDULE)
ER	EMERGENCY LOAD CONTROL RELAY, MINIMUM 16A AND 0-10V COMPATIBLE, PROVIDE U.L. 924 U.N.O.
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	POWER POLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	FLUSH FLOOR CONCEALED SERVICE DUPLEX RECEPTACLE OUTLET
	FLUSH FLOOR CONCEALED SERVICE DOUBLE DUPLEX RECEPTACLE OUTLET
	CONCEALED SERVICE MULTI-ACCESS FLOOR BOX WITH WIRING DEVICES AS INDICATED ON DRAWINGS. SIZE TO MATCH DEVICE QUANTITIES.
[R]	REMOTE BLANK FACE GFCI DEVICE.
U	PROVIDE DUPLEX RECEPTACLE WITH (2) USB CHARGING PORTS.
CR	E.C. TO PROVIDE ROUGH-IN FOR CARD READER JUNCTION BOX. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.
SR	SWITCH CONTROLLED RECEPTACLE WITH THE TOP RECEPTACLE LOAD CONTROLLED VIA PLUG LOAD SWITCH MEETING 2021 IECC 405.11 REQUIREMENTS. SPLIT LOAD-CONTROLLED RECEPTACLES SHALL BE PERMANENTLY FACTORY MARKED AS CONTROLLED.

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
MISCELLANEOUS EQUIPMENT	
[FACP]	FIRE ALARM CONTROL PANEL
[ANNC]	FIRE ALARM REMOTE ANNUCIATOR
[T]	TRANSFORMER FOR DOOR BELL/BUZZER
	CHIME/BUZZER
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
	MOTOR STARTER
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26
ELECTRICAL EQUIPMENT	
	ELECTRICAL DISTRIBUTION OR PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
H	INDICATES HORIZONTAL
TL	INDICATES TWIST LOCK
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
E	INDICATES EXISTING TO REMAIN
R	INDICATES EXISTING TO BE REMOVED
1-L	REFER TO ONE-LINE DIAGRAM
H	INDICATES WALL MOUNTED DEVICE
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTES:

-ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3R MINIMUM.

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

Issue For Proposal

STATE OF TEXAS
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LICENSED
02/06/2025

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Director MS	Drawn By SA
Designer SA	Quality Control JZ
Proj. Arch. MS	

PROJECT NO.

23-148.00

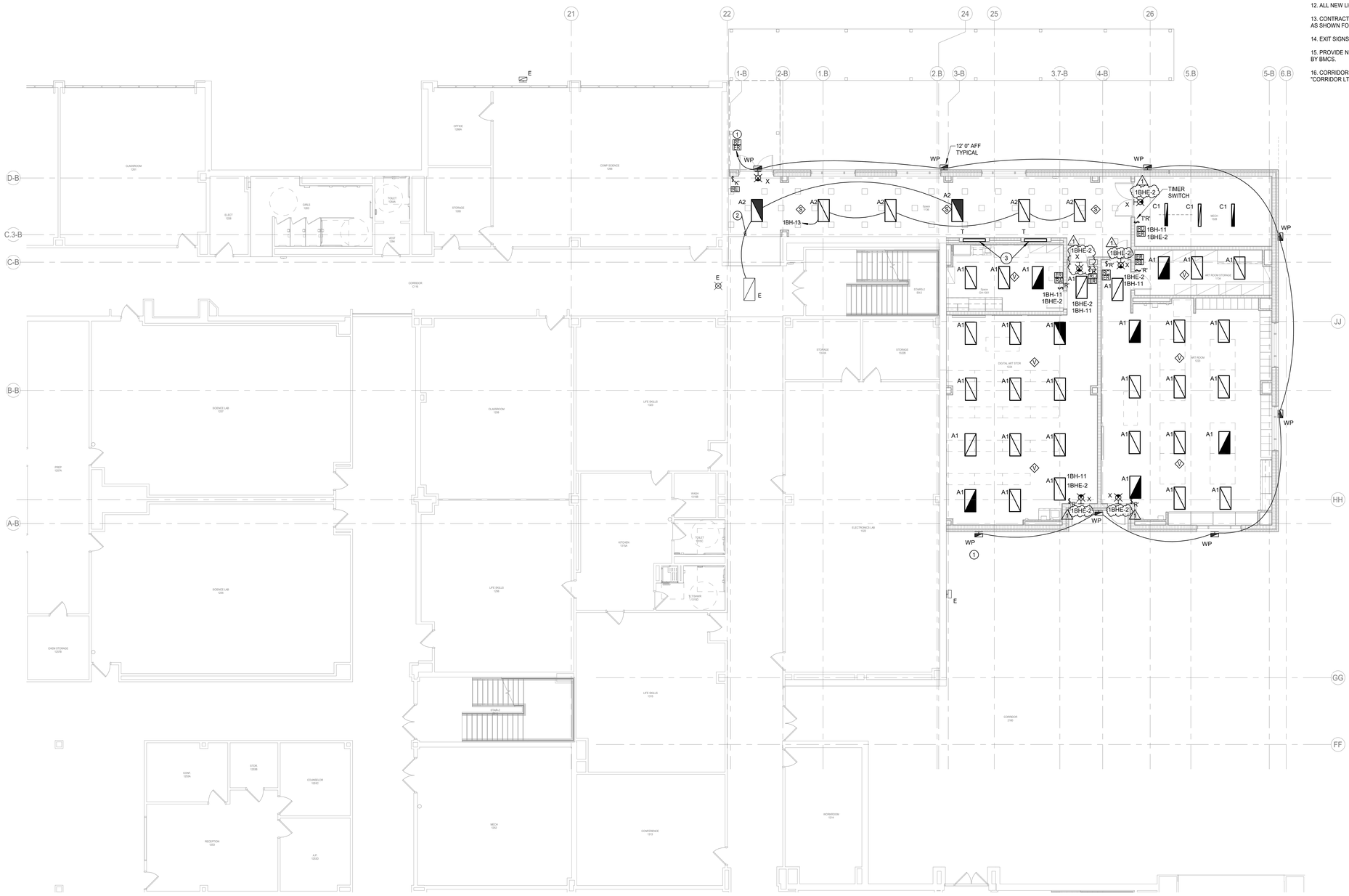
SHEET TITLE

ELECTRICAL SYMBOLS, AND SCHEDULES

SHEET NO.

E0.01

2024 Cy-Creek HS Renovation



ELECTRICAL KEYED NOTES:

① CONNECT NEW FIXTURES TO EXISTING EMERGENCY CIRCUIT "1DHE-2" IN THE AREA VIA CONTACTOR AND UL924 DEVICE. EXTEND AND CONNECT USING 2#10, 1#10G IN 3/4"C. EXTERIOR FIXTURES TO BE CONTROLLED WITH BMCS VIA (1) CONTACTOR WITH POLE QUANTITY AS REQUIRED.

② CONNECT NEW FIXTURES TO EXISTING NORMAL/EMERGENCY CIRCUITRY FROM EXISTING ADJACENT FIXTURE WITH MATCHING CONDUCTOR AS REQUIRED.

③ DISPLAY CASE LIGHTING TO BE CONTROLLED WITH CORRIDOR LIGHTS ON BMCS SYSTEM. CIRCUIT LIGHTING TO CORRIDOR SWITCHED LEG AND WITH ADDITIONAL LINE VOLTAGE KEY SWITCH LABELED AS "CASE LTG".

ELECTRICAL GENERAL NOTES:

1. REFER TO DETAIL SHEET AND CONTROLS SCHEDULE FOR ALL LIGHTING CONTROLS, SENSORS AND SWITCHING SCHEMES.

2.PROVIDE A CONSTANT HOT FROM NEAREST EMERGENCY CIRCUIT SERVING SPACE FOR CONNECTION OF EXIT SIGNAGE. EXTEND CONDUIT/WIRE AND MAKE FINAL CONNECTION. WHERE POSSIBLE, RE-USE EXISTING CIRCUITRY.

3. UNLESS NOTED OTHERWISE, LOCATE DIGITAL LIGHTING ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING SPACE ADJACENT TO SWITCH CONTROLLING THE SPACE; IN HARD AND/OR HIGH CEILING AREAS (+12'-0"), LOCATE DIGITAL LIGHTING ROOM CONTROLLER IN ADJACENT CORRIDOR WITH ACCESSIBLE CEILING; IN AREAS WITH NO CEILING LOCATE ADJACENT TO SWITCH CONTROLLING THE SPACE. PROVIDE LABEL AND GRID MARKERS WITH WORDING PER SPECIFICATIONS.

4. UNLESS NOTED OTHERWISE, CONNECT NEW LIGHT FIXTURES TO EXISTING NORMAL/EMERGENCY CIRCUITRY PRESERVED DURING DEMOLITION IN EXISTING SPACE ONLY. EXTEND CONDUIT/WIRE AND MAKE FINAL CONNECTION. DO NOT EXCEED 16-AMP LOAD PER CIRCUIT.

5. RE-USE ANY EXISTING SWITCH-BOX LOCATIONS FOR NEW LIGHTING CONTROLS AS PRACTICAL. UN-USED BOX LOCATIONS SHALL BE PROVIDED WITH NEW STAINLESS STEEL COVER.

6. WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED.

7. LOCATE DIGITAL LIGHTING CONTROLLER FOR CORRIDORS AND HIGH CEILING AREAS WITH NO ADJACENT ANCILLARY AREA ADJACENT TO PANEL SERVING THE LOAD. PROVIDE LABEL, GRID MARKERS WITH WORDING PER SPECIFICATIONS.

8. OCCUPANCY / VACANCY SENSOR AND DAYLIGHTING SENSOR LOCATIONS INDICATE SPACE OR AREA CONTROLLED, CONTRACTOR TO PROVIDE ACTUAL QUANTITIES, TYPES, AND MOUNTING LOCATIONS AS RECOMMENDED BY MANUFACTURER AND IECC-2015 C405.

9. SPACES WITH MULTIPLE OCCUPANCY / VACANCY SENSORS OR WHERE LINE OF SIGHT MAY BE OBSCURED, SHALL BE LINKED TOGETHER FOR SIMULTANEOUS OPERATION WITHIN THE SPACE.

10. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL LIGHTING CONTROLS AND ASSOCIATED EQUIPMENT REMOVED DURING THIS PROJECT.

11. LIGHT FIXTURES SHALL BE COORDINATED WITH MECHANICAL, PLUMBING, TECHNOLOGY, AND ALL OTHER TRADES TO AVOID CONFLICTS. LOCATE LIGHT FIXTURES ON PERIMETER WALLS OR SUSPENDED FROM STRUCTURAL WHERE PRACTICAL.

12. ALL NEW LIGHTING CONTROLS SHALL MEET IECC 2018 AT MINIMUM.

13. CONTRACTOR SHALL MAINTAIN CONSTANT UNSWITCHED CIRCUITS FROM EXISTING SOURCE AND/ OR NEW AS SHOWN FOR EMERGENCY FIXTURES, EMERGENCY LOAD RELAYS AND EXIT SIGNS.

14. EXIT SIGNS TO BE CONTROLLED WITH CIRCUIT BREAKER ONLY.

15. PROVIDE NEW NEMA RATED HOA CONTACTORS FOR CONTROLLING EXTERIOR WALL PACKS CONTROLLED BY BMCS.

16. CORRIDORS TO BE CONTROLLED VIA BMCS AND LABEL ALL KEY SWITCHES IN ALL EGRESS PATHS AS "CORRIDOR LTG".

N

① **ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT B**
Scale: 1/8" = 1'-0"

KEY PLAN - LEVEL ONE

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Director Approver
Drawn By
SA
Designer
SA
Quality Control
Proj. Arch.
MS

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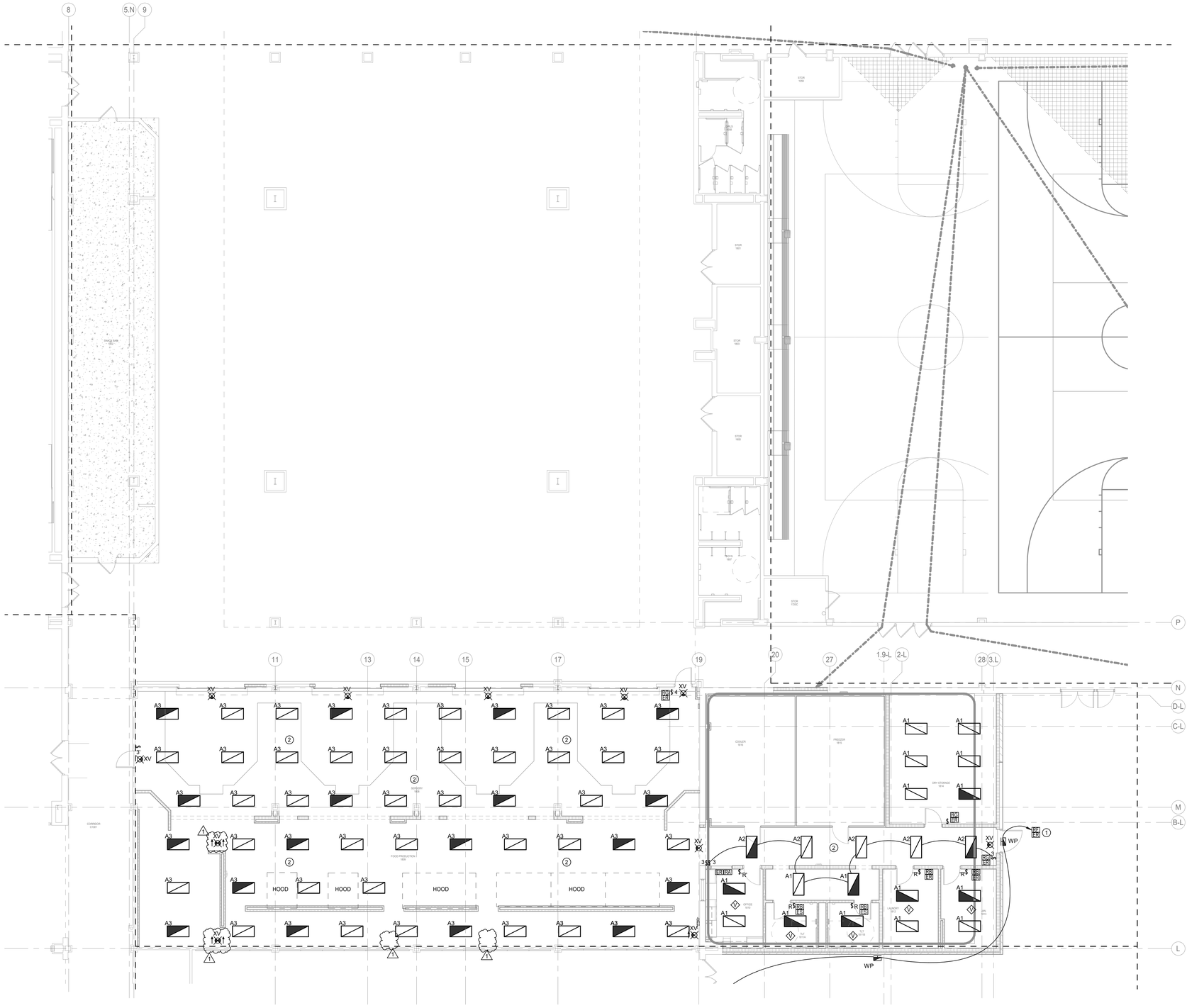
ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT B

SHEET NO.
E2.11B

2024 Cy-Creek HS Renovation



N 1 **ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT L**
Scale: 1/8" = 1'-0"

ELECTRICAL GENERAL NOTES:

1. REFER TO DETAIL SHEET AND CONTROLS SCHEDULE FOR ALL LIGHTING CONTROLS, SENSORS AND SWITCHING SCHEMES.

2.PROVIDE A CONSTANT HOT FROM NEAREST EMERGENCY CIRCUIT SERVING SPACE FOR CONNECTION OF EXIT SIGNAGE. EXTEND CONDUIT/WIRE AND MAKE FINAL CONNECTION. WHERE POSSIBLE, RE-USE EXISTING CIRCUITRY.

3. UNLESS NOTED OTHERWISE, LOCATE DIGITAL LIGHTING ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING SPACE ADJACENT TO SWITCH CONTROLLING THE SPACE; IN HARD AND/OR HIGH CEILING AREAS (+12'-0"), LOCATE DIGITAL LIGHTING ROOM CONTROLLER IN ADJACENT CORRIDOR WITH ACCESSIBLE CEILING; IN AREAS WITH NO CEILING LOCATE ADJACENT TO SWITCH CONTROLLING THE SPACE. PROVIDE LABEL AND GRID MARKERS WITH WORDING PER SPECIFICATIONS.

4. UNLESS NOTED OTHERWISE, CONNECT NEW LIGHT FIXTURES TO EXISTING NORMAL/EMERGENCY CIRCUITRY PRESERVED DURING DEMOLITION IN EXISTING SPACE ONLY. EXTEND CONDUIT/WIRE AND MAKE FINAL CONNECTION. DO NOT EXCEED 16-AMP LOAD PER CIRCUIT.

5. RE-USE ANY EXISTING SWITCH-BOX LOCATIONS FOR NEW LIGHTING CONTROLS AS PRACTICAL. UN-USED BOX LOCATIONS SHALL BE PROVIDED WITH NEW STAINLESS STEEL COVER.

6. WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED.

7. LOCATE DIGITAL LIGHTING CONTROLLER FOR CORRIDORS AND HIGH CEILING AREAS WITH NO ADJACENT ANCILLARY AREA ADJACENT TO PANEL SERVING THE LOAD. PROVIDE LABEL, GRID MARKERS WITH WORDING PER SPECIFICATIONS.

8. OCCUPANCY / VACANCY SENSOR AND DAYLIGHTING SENSOR LOCATIONS INDICATE SPACE OR AREA CONTROLLED, CONTRACTOR TO PROVIDE ACTUAL QUANTITIES, TYPES, AND MOUNTING LOCATIONS AS RECOMMENDED BY MANUFACTURER AND IECC-2015 C405.

9. SPACES WITH MULTIPLE OCCUPANCY / VACANCY SENSORS OR WHERE LINE OF SIGHT MAY BE OBSCURED, SHALL BE LINKED TOGETHER FOR SIMULTANEOUS OPERATION WITHIN THE SPACE.

10. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL LIGHTING CONTROLS AND ASSOCIATED EQUIPMENT REMOVED DURING THIS PROJECT.

11. LIGHT FIXTURES SHALL BE COORDINATED WITH MECHANICAL, PLUMBING, TECHNOLOGY, AND ALL OTHER TRADES TO AVOID CONFLICTS. LOCATE LIGHT FIXTURES ON PERIMETER WALLS OR SUSPENDED FROM STRUCTURAL WHERE PRACTICAL.

12. ALL NEW LIGHTING CONTROLS SHALL MEET IECC 2018 AT MINIMUM.

13. CONTRACTOR SHALL MAINTAIN CONSTANT UNSWITCHED CIRCUITS FROM EXISTING SOURCE AND/ OR NEW AS SHOWN FOR EMERGENCY FIXTURES, EMERGENCY LOAD RELAYS AND EXIT SIGNS.

14. EXIT SIGNS TO BE CONTROLLED WITH CIRCUIT BREAKER ONLY.

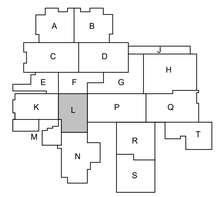
15. PROVIDE NEW NEMA RATED HOA CONTACTORS FOR CONTROLLING EXTERIOR WALL PACKS CONTROLLED BY BMCS.

16. CORRIDORS TO BE CONTROLLED VIA BMCS AND LABEL ALL KEY SWITCHES IN ALL EGRESS PATHS AS "CORRIDOR LTG".

ELECTRICAL KEYED NOTES:

1. CONNECT NEW FIXTURES TO EXISTING EMERGENCY CIRCUIT "1DHE-2" IN THE AREA VIA CONTACTOR AND UL924 DEVICE. EXTEND AND CONNECT USING 2#10, 1#10G IN 3/4"C. EXTERIOR FIXTURES TO BE CONTROLLED WITH BMCS VIA (1) CONTACTOR WITH POLE QUANTITY AS REQUIRED.

2. CONNECT NEW FIXTURES TO EXISTING NORMAL/EMERGENCY CIRCUITRY FROM EXISTING ADJACENT FIXTURE WITH MATCHING CONDUCTOR AS REQUIRED.



KEY PLAN - LEVEL ONE

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

2024 Cy-Creek HS Renovation

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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

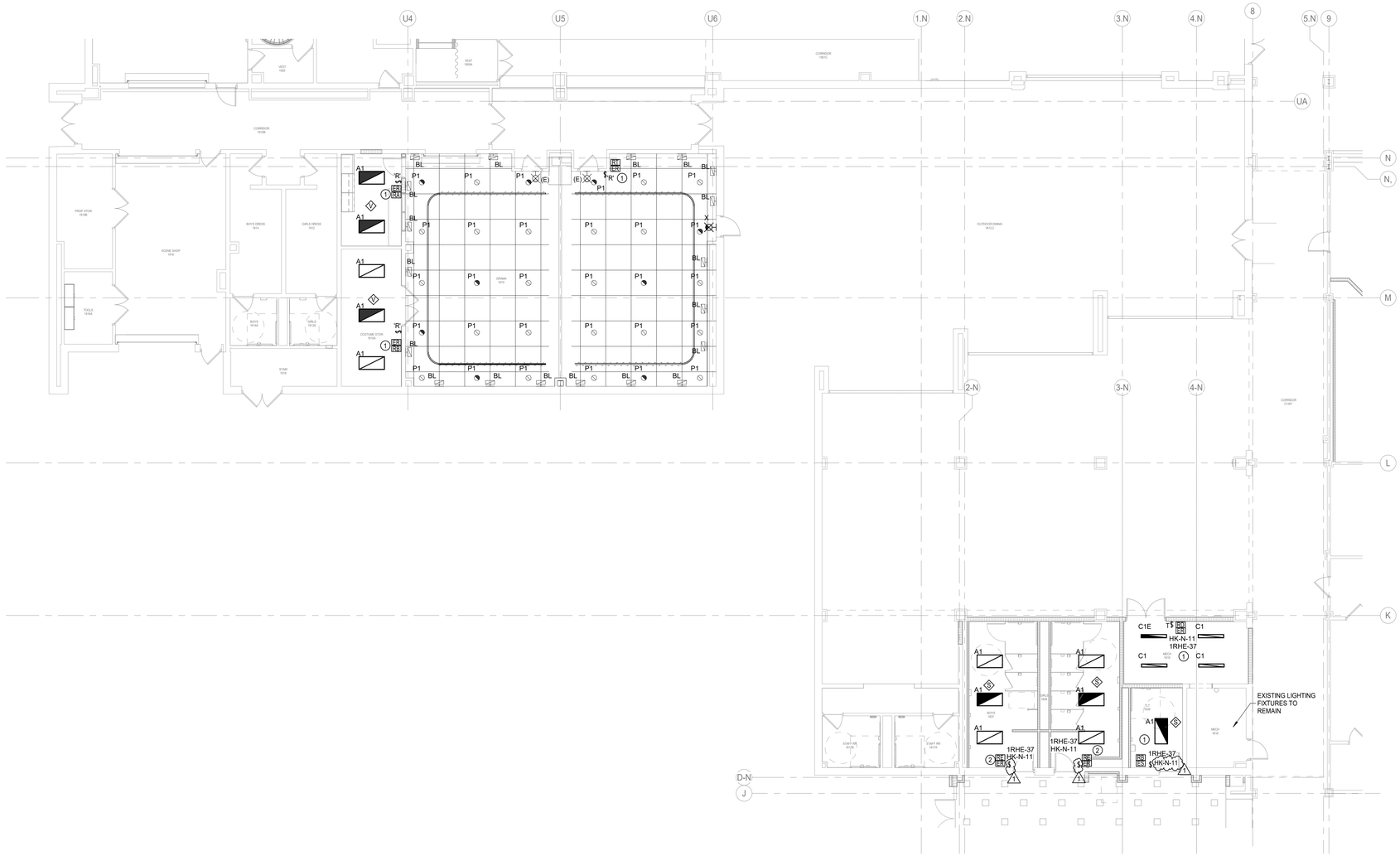
Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	SA
Designer	Quality Control
SA	
Proj. Arch.	
MS	

PROJECT NO.
23-148.00

SHEET TITLE
ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT L

SHEET NO.
E2.11L



N 1 **ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT M**
Scale: 1/8" = 1'-0"

ELECTRICAL GENERAL NOTES:

1. REFER TO DETAIL SHEET AND CONTROLS SCHEDULE FOR ALL LIGHTING CONTROLS, SENSORS AND SWITCHING SCHEMES.

2.PROVIDE A CONSTANT HOT FROM NEAREST EMERGENCY CIRCUIT SERVING SPACE FOR CONNECTION OF EXIT SIGNAGE. EXTEND CONDUIT/WIRE AND MAKE FINAL CONNECTION. WHERE POSSIBLE, RE-USE EXISTING CIRCUITRY.

3. UNLESS NOTED OTHERWISE, LOCATE DIGITAL LIGHTING ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING SPACE ADJACENT TO SWITCH CONTROLLING THE SPACE; IN HARD AND/OR HIGH CEILING AREAS (+12'-0"), LOCATE DIGITAL LIGHTING ROOM CONTROLLER IN ADJACENT CORRIDOR WITH ACCESSIBLE CEILING; IN AREAS WITH NO CEILING LOCATE ADJACENT TO SWITCH CONTROLLING THE SPACE. PROVIDE LABEL AND GRID MARKERS WITH WORDING PER SPECIFICATIONS.

4. UNLESS NOTED OTHERWISE, CONNECT NEW LIGHT FIXTURES TO EXISTING NORMAL/EMERGENCY CIRCUITRY PRESERVED DURING DEMOLITION IN EXISTING SPACE ONLY. EXTEND CONDUIT/WIRE AND MAKE FINAL CONNECTION. DO NOT EXCEED 16-AMP LOAD PER CIRCUIT.

5. RE-USE ANY EXISTING SWITCH-BOX LOCATIONS FOR NEW LIGHTING CONTROLS AS PRACTICAL. UN-USED BOX LOCATIONS SHALL BE PROVIDED WITH NEW STAINLESS STEEL COVER.

6. WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED.

7. LOCATE DIGITAL LIGHTING CONTROLLER FOR CORRIDORS AND HIGH CEILING AREAS WITH NO ADJACENT ANCILLARY AREA ADJACENT TO PANEL SERVING THE LOAD. PROVIDE LABEL, GRID MARKERS WITH WORDING PER SPECIFICATIONS.

8. OCCUPANCY / VACANCY SENSOR AND DAYLIGHTING SENSOR LOCATIONS INDICATE SPACE OR AREA CONTROLLED, CONTRACTOR TO PROVIDE ACTUAL QUANTITIES, TYPES, AND MOUNTING LOCATIONS AS RECOMMENDED BY MANUFACTURER AND IECC-2018 C405.

9. SPACES WITH MULTIPLE OCCUPANCY / VACANCY SENSORS OR WHERE LINE OF SIGHT MAY BE OBSCURED, SHALL BE LINKED TOGETHER FOR SIMULTANEOUS OPERATION WITHIN THE SPACE.

10. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL LIGHTING CONTROLS AND ASSOCIATED EQUIPMENT REMOVED DURING THIS PROJECT.

11. LIGHT FIXTURES SHALL BE COORDINATED WITH MECHANICAL, PLUMBING, TECHNOLOGY, AND ALL OTHER TRADES TO AVOID CONFLICTS. LOCATE LIGHT FIXTURES ON PERIMETER WALLS OR SUSPENDED FROM STRUCTURAL WHERE PRACTICAL.

12. ALL NEW LIGHTING CONTROLS SHALL MEET IECC 2018 AT MINIMUM.

13. CONTRACTOR SHALL MAINTAIN CONSTANT UNSWITCHED CIRCUITS FROM EXISTING SOURCE AND/ OR NEW AS SHOWN FOR EMERGENCY FIXTURES, EMERGENCY LOAD RELAYS AND EXIT SIGNS.

14. EXIT SIGNS TO BE CONTROLLED WITH CIRCUIT BREAKER ONLY.

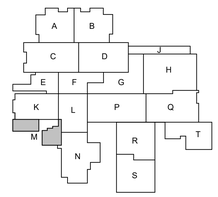
15. PROVIDE NEW NEMA RATED HOA CONTACTORS FOR CONTROLLING EXTERIOR WALL PACKS CONTROLLED BY BMCS.

16. CORRIDORS TO BE CONTROLLED VIA BMCS AND LABEL ALL KEY SWITCHES IN ALL EGRESS PATHS AS "CORRIDOR LTG".

17. LOCATION OF NEW / REPLACEMENT LIGHT FIXTURES SHALL RE-USE EXISTING J-BOX AND EXISTING LIGHT FIXTURE WHIPS AS PRACTICAL. EXTEND WIRING WITH MATCHING CONDUCTORS / CONDUIT AND PROVIDE NEW J-BOX ABOVE ACCESIBLE CEILING WITH ½-INCH FLEXIBLE STEEL CONDUIT OR STEEL MC CABLE, LENGTH NOT TO EXCEED 6-FEET, "DAISY CHAINING" LIGHT FIXTURES INSTALLED FOR LAY-IN CEILING AREAS IS NOT ALLOWED. FOR NON-ACCESIBLE CEILINGS, LIGHT FIXTURE WHIPS SHALL BE ½-INCH FLEXIBLE STEEL CONDUIT, LENGTH AS REQUIRED TO MAKE A TAP AT AN ACCESSIBLE J-BOX. RECESSED LIGHT FIXTURES IN NON-ACCESSIBLE CEILINGS MAY BE DAISY CHAINED USING THE LIGHT FIXTURE'S INTEGRAL, UL LISTED J-BOX OR INTERNAL WIRE WAY THAT IS ACCESSIBLE THROUGH FIXTURE FROM BELOW THE CEILING. REFER TO 26 05 33 CONDUIT SYSTEMS.

ELECTRICAL KEYED NOTES:

1. CONNECT NEW FIXTURES TO EXISTING NORMAL/EMERGENCY CIRCUITRY PRESERVED DURING DEMO IN THE ROOM VIA NEW LIGHTING SWITCH.
2. CONNECT NEW GROUP RESTROOM LIGHT FIXTURES TO EXISTING NORMAL/EMERGENCY CIRCUITRY PRESERVED DURING DEMOLITION. INTERCONNECT LIGHTING CONTROLS SO THAT LIGHTING CAN BE CONTROLLED WITH CORRIDOR LIGHTING.



KEY PLAN - LEVEL ONE

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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

2024 Cy-Creek HS Renovation

Issue For Proposal

BRADLEY KALMANS
80215
LICENSED
STATE OF TEXAS
PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

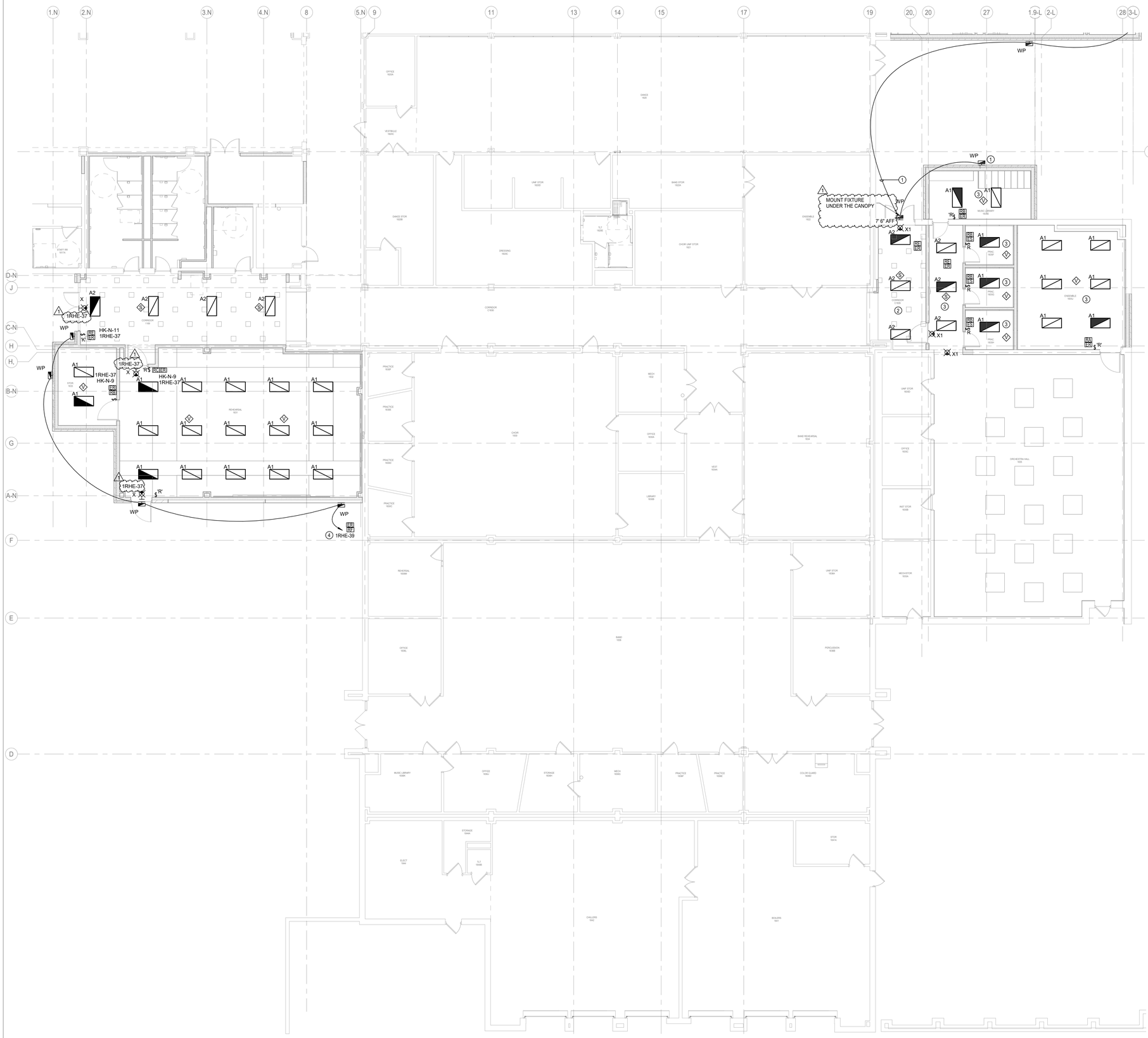
Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	SA
Designer	Quality Control
SA	
Proj. Arch.	
MS	

PROJECT NO.
23-148.00

SHEET TITLE
ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT M

SHEET NO.
E2.11M



N

1 **ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT N**

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

ELECTRICAL GENERAL NOTES:

1. REFER TO DETAIL SHEET AND CONTROLS SCHEDULE FOR ALL LIGHTING CONTROLS, SENSORS AND SWITCHING SCHEMES.

2.PROVIDE A CONSTANT HOT FROM NEAREST EMERGENCY CIRCUIT SERVING SPACE FOR CONNECTION OF EXIT SIGNAGE. EXTEND CONDUIT/WIRE AND MAKE FINAL CONNECTION. WHERE POSSIBLE, RE-USE EXISTING CIRCUITRY.

3. UNLESS NOTED OTHERWISE, LOCATE DIGITAL LIGHTING ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING SPACE ADJACENT TO SWITCH CONTROLLING THE SPACE; IN HARD AND/OR HIGH CEILING AREAS (+12'-0"), LOCATE DIGITAL LIGHTING ROOM CONTROLLER IN ADJACENT CORRIDOR WITH ACCESSIBLE CEILING; IN AREAS WITH NO CEILING LOCATE ADJACENT TO SWITCH CONTROLLING THE SPACE. PROVIDE LABEL AND GRID MARKERS WITH WORDING PER SPECIFICATIONS.

4. UNLESS NOTED OTHERWISE, CONNECT NEW LIGHT FIXTURES TO EXISTING NORMAL/EMERGENCY CIRCUITRY PRESERVED DURING DEMOLITION IN EXISTING SPACE ONLY. EXTEND CONDUIT/WIRE AND MAKE FINAL CONNECTION. DO NOT EXCEED 16-AMP LOAD PER CIRCUIT.

5. RE-USE ANY EXISTING SWITCH-BOX LOCATIONS FOR NEW LIGHTING CONTROLS AS PRACTICAL. UN-USED BOX LOCATIONS SHALL BE PROVIDED WITH NEW STAINLESS STEEL COVER.

6. WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED.

7. LOCATE DIGITAL LIGHTING CONTROLLER FOR CORRIDORS AND HIGH CEILING AREAS WITH NO ADJACENT ANCILLARY AREA ADJACENT TO PANEL SERVING THE LOAD. PROVIDE LABEL, GRID MARKERS WITH WORDING PER SPECIFICATIONS.

8. OCCUPANCY / VACANCY SENSOR AND DAYLIGHTING SENSOR LOCATIONS INDICATE SPACE OR AREA CONTROLLED, CONTRACTOR TO PROVIDE ACTUAL QUANTITIES, TYPES, AND MOUNTING LOCATIONS AS RECOMMENDED BY MANUFACTURER AND IECC-2015 C405.

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13. CONTRACTOR SHALL MAINTAIN CONSTANT UNSWITCHED CIRCUITS FROM EXISTING SOURCE AND/OR NEW AS SHOWN FOR EMERGENCY FIXTURES, EMERGENCY LOAD RELAYS AND EXIT SIGNS.

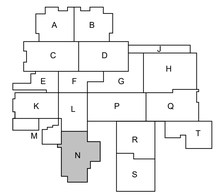
14. EXIT SIGNS TO BE CONTROLLED WITH CIRCUIT BREAKER ONLY.

15. PROVIDE NEW NEMA RATED HOA CONTACTORS FOR CONTROLLING EXTERIOR WALL PACKS CONTROLLED BY BMCS.

16. CORRIDORS TO BE CONTROLLED VIA BMCS AND LABEL ALL KEY SWITCHES IN ALL EGRESS PATHS AS "CORRIDOR LTG".

ELECTRICAL KEYED NOTES:

1. CONNECT NEW FIXTURES TO EXISTING EMERGENCY CIRCUIT "1DHE-2" IN THE AREA VIA CONTACTOR AND UL924 DEVICE. EXTEND AND CONNECT USING 2#10, 1#10G IN 3/4"C. EXTERIOR FIXTURES TO BE CONTROLLED WITH BMCS VIA (1) CONTACTOR WITH POLE QUANTITY AS REQUIRED.
2. EXTEND AND CONNECT EXISTING NORMAL/EMERGENCY CIRCUIT FROM EXISTING HALLWAY TO NEW CORRIDOR.
3. CONNECT NEW FIXTURES TO EXISTING NORMAL/EMERGENCY CIRCUITRY FROM EXISTING ADJACENT FIXTURE WITH MATCHING CONDUCTOR AS REQUIRED.
4. CONNECT NEW FIXTURES TO EMERGENCY CIRCUIT SHOWN VIA UL924 DEVICE. CONNECT USING 2#10, 1#10G IN 3/4"C. EXTERIOR FIXTURES TO BE CONTROLLED WITH BMCS VIA (1) CONTACTOR WITH POLE QUANTITY AS REQUIRED.



KEY PLAN - LEVEL ONE

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CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

2024 Cy-Creek HS Renovation

Issue For Proposal

STATE OF TEXAS
BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director
Approver
Designer
SA
Proj. Arch.
MS

Drawn By
SA
Quality Control

PROJECT NO.
23-148.00

SHEET TITLE
ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT N

SHEET NO.
E2.11N

ELECTRICAL GENERAL NOTES:

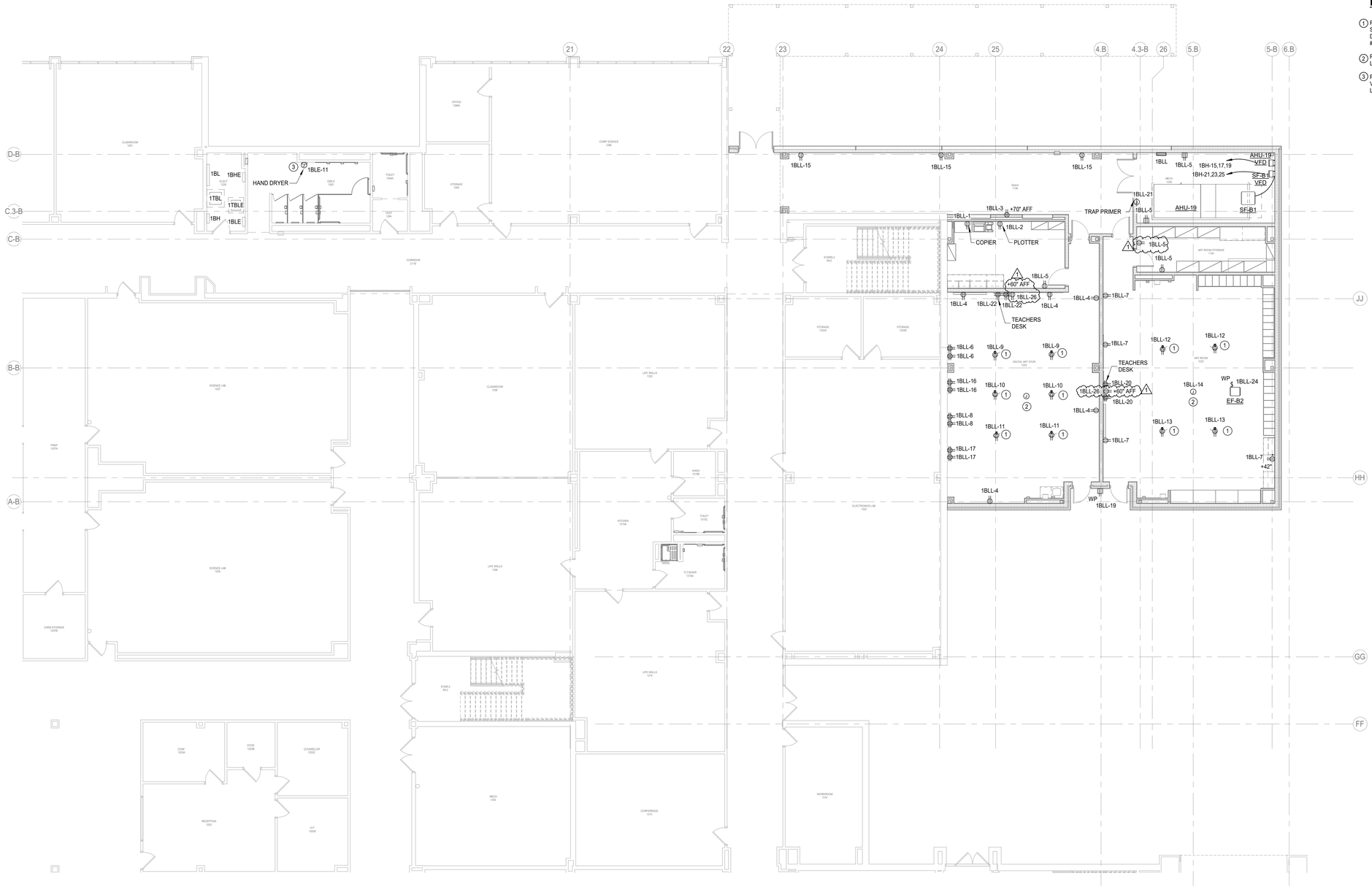
1. PROTECT EXISTING EQUIPMENT TO REMAIN IN PLACE. KEEP EXISTING POWER CONNECTION. ALL EXISTING TO REMAIN EQUIPMENT SHALL REMAIN FULLY FUNCTIONAL.
2. PROTECT LIGHT SPEED SYSTEMS IN PLACE WITH ALL ASSOCIATED DEVICES & CONNECTIONS. IN CASE THESE EQUIPMENT WAS DISPLACED OR MIXED, CONTRACTOR IS RESPONSIBLE TO BRING IT BACK TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
3. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER EQUIPMENT.
5. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
6. ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE GFCI TYPE.
7. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
8. ALL BLANK FACE GFCI DEVICES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.
9. CONTRACTOR SHALL REFER TO TECHNOLOGY DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
10. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN -USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

(1) PROVIDE WHITE COLOR DROP- REEL HUNG FROM THE TOP CHORD OF STRUCTURAL JOIST ABOVE. REEL SHALL HAVE 35' CORD EXTENSION REEL DOWN TO WORK AREA BELOW. PROVIDE HUBBELL #HBL45123GF220 WITH #HBL1340PB PIVOT BASE.

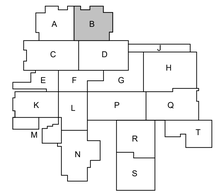
(2) PROVIDE J-BOX IN CEILING FOR PS SPEAKER POWER. COORDINATE EXACT LOCATION WITH WITH TECHNOLOGY DRAWIINGS PRIOR TO ROUGH-IN.

(3) PROVIDE JUNCTION BOX FOR CONNECTION OF ELECTRIC HAND DRYER. VERIFY EXACT LOCATION AND MAKE FINAL CONNECTION. PROVIDE WITH LOCK-OFF DEVICE AT PANEL FOR CIRCUIT BREAKER.



N

1 **ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT B**
Scale: 1/8" = 1'-0"



KEY PLAN - LEVEL ONE

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ISSUED: JANUARY 20, 2025

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Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
MS	SA
Designer	Quality Control
SA	JZ
Proj. Arch.	
MS	

PROJECT NO.

23-148.00

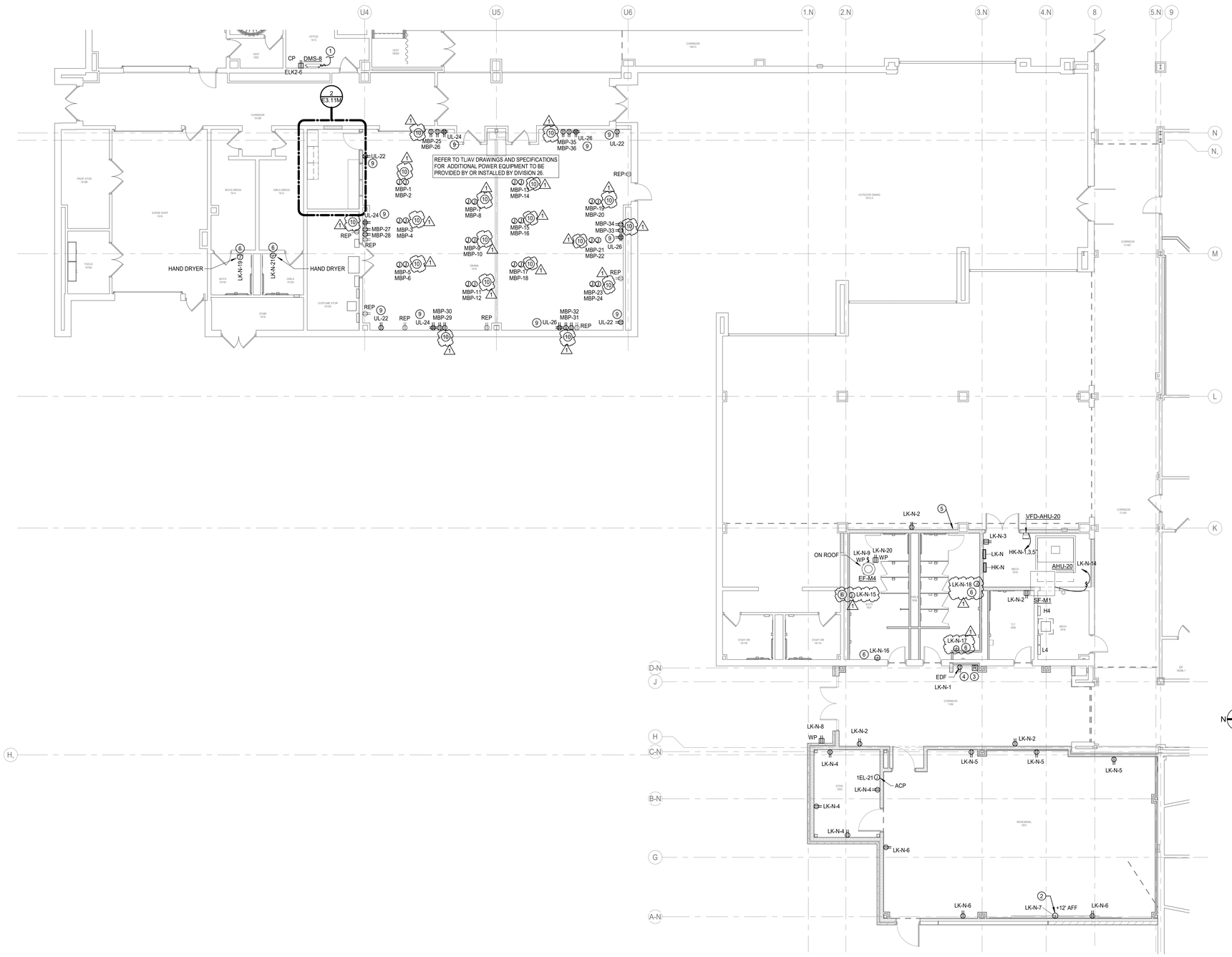
SHEET TITLE

ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT B

SHEET NO.

E3.11B

2024 Cy-Creek HS Renovation



N 1 **ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT M**
Scale: 1/8" = 1'-0"

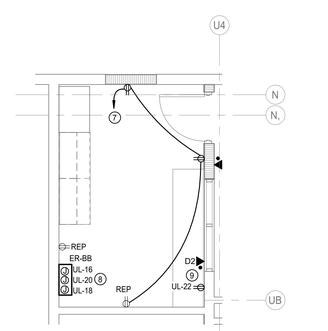
ELECTRICAL GENERAL NOTES:

1. PROTECT EXISTING EQUIPMENT TO REMAIN IN PLACE. KEEP EXISTING POWER CONNECTION. ALL EXISTING TO REMAIN EQUIPMENT SHALL REMAIN FULLY FUNCTIONAL.
2. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
3. CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER EQUIPMENT.
4. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL REFER TO TECHNOLOGY DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

ELECTRICAL KEYED NOTES:

1. ALL INDOOR SPLIT UNIT TO BE POWERED FROM OUTDOOR CONDENSING SPLIT UNIT. PROVIDE CONTROL WIRING AS PER MANUFACTURER'S RECOMMENDATION. PROVIDE 3/4"C TO ASSOCIATED OUTDOOR UNIT.
2. PROVIDE J-BOX IN CEILING FOR PS SPEAKER POWER. COORDINATE EXACT LOCATION WITH WITH TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
3. PROVIDE FLUSH MOUNTED BLANK FACE GFCI DEVICE ADJACENT TO DRINKING FOUNTAIN CABINET AT SWITCH HEIGHT, UPSTREAM OF OCC SENSOR SWITCHPACK AND ENGRAVE IN BLACK LETTERS TO STATE "GFCI FOR EDF". LOCATE RECEPTACLE WITHIN CONFINES OF DRINKING FOUNTAIN CABINET, TYPICAL.
4. OCCUPANCY SENSOR FOR DRINKING FOUNTAIN CONTROL. INSTALL SENSOR IN TILE ABOVE DRINKING FOUNTAIN CIRCUIT EDF THROUGH SWITCHPACK.
5. EXTEND AND RELOCATE EXISTING OUTLET FOR TV DISPLAY TO NEW WALL.
6. PROVIDE JUNCTION BOX FOR CONNECTION OF ELECTRIC HAND DRYER, VERFIY EXACT LOCATION AND MAKE FINAL CONNECTION. PROVIDE WITH LOCK-OFF DEVICE AT PANEL FOR CIRCUIT BREAKER.
7. PROVIDE NEW RECEPTACLES AS SHOWN AND CONNECT TO EXISTING CIRCUITS LEFT IN PLACE AFTER DEMOLITION. EXTEND CONDUCTORS / CONDUIT WITH MATCHING SIZE TO NEW LOCATION. FIELD VERIFY CONNECTED LOAD NOT TO EXCEED 1500W AT 120V.
8. TERMINATE CIRCUITS TO JUNCTION BOX WITHIN JBR. EXTEND CIRCUITS TO DISTRIBUTION STRIP WITHIN RACK.
9. WIRE CIRCUIT TO RECEPTACLE ADJACENT TO AV PLATE. COORDINATE FINAL LOCATION WITH TL/AV PROVIDER PRIOR TO ROUGH-IN.
10. WIRE CIRCUIT TO RECEPTACLE ADJACENT TO TL PLATE. COORDINATE FINAL LOCATION WITH TL/AV PROVIDER PRIOR TO ROUGH-IN. 1

ALL DEVICE COVER PLATES LOCATED WITHIN DRAMA 1910 ARE TO BE BLACK.



N 2 **ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT M - ENL. CONTROL 1910B**
Scale: 1/4" = 1'-0"

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Salas O'Brien Project Number: 2023-05939-00

CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

2024 Cy-Creek HS Renovation

Issue For Proposal

BRADLEY KALMANS
STATE OF TEXAS
80215
LICENSED
PROFESSIONAL ENGINEER
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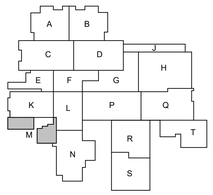
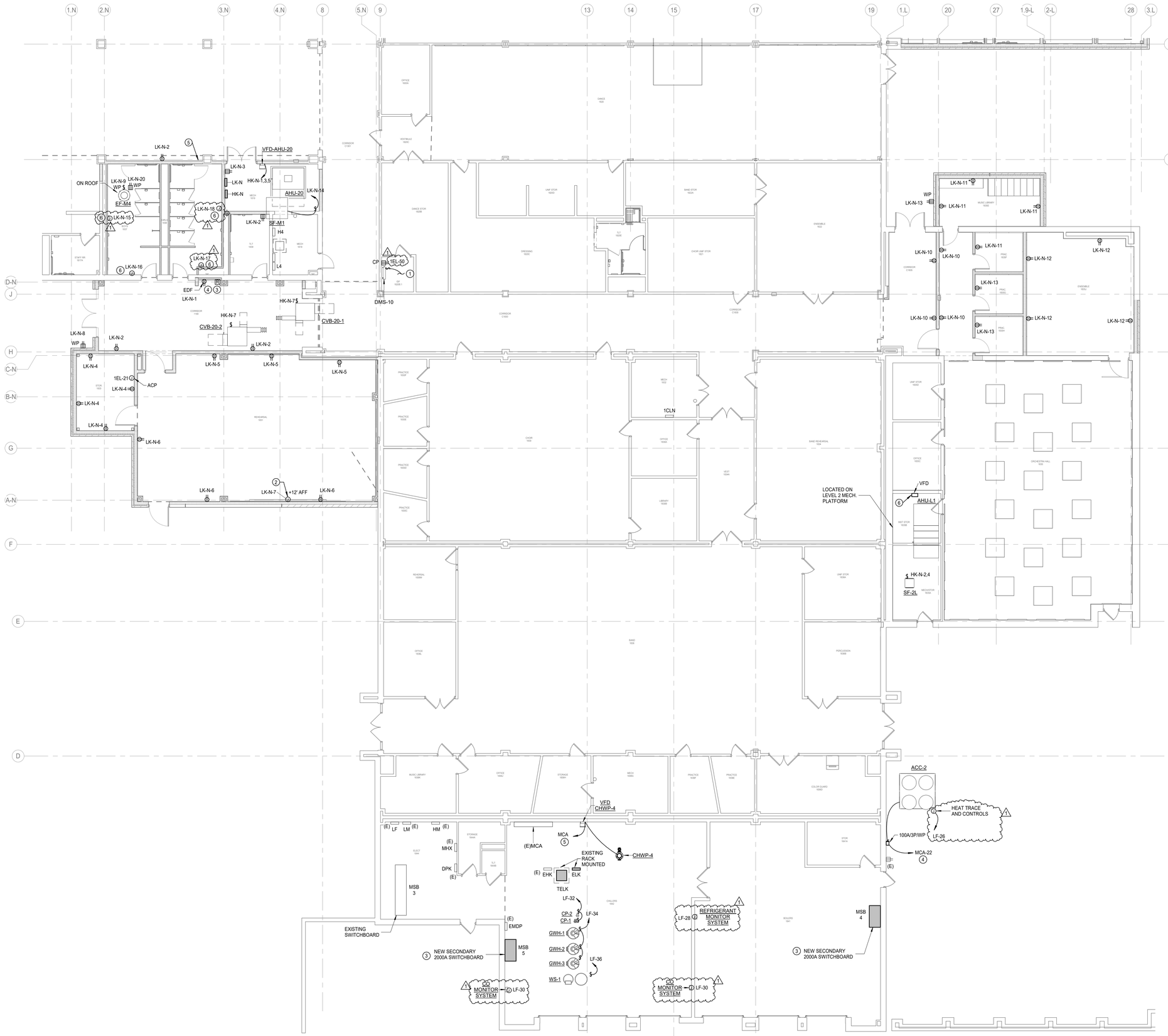
SHEET TITLE
ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT M

SHEET NO.
E3.11M



KEY PLAN - LEVEL ONE



N

1 ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT N

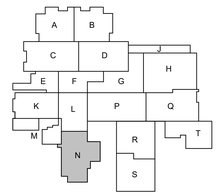
Scale: 1/8" = 1'-0"

ELECTRICAL GENERAL NOTES:

1. PROTECT EXISTING EQUIPMENT TO REMAIN IN PLACE. KEEP EXISTING POWER CONNECTION. ALL EXISTING TO REMAIN EQUIPMENT SHALL REMAIN FULLY FUNCTIONAL.
2. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
3. CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER EQUIPMENT.
4. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL REFER TO TECHNOLOGY DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

ELECTRICAL KEYED NOTES:

1. ALL INDOOR SPLIT UNIT TO BE POWERED FROM OUTDOOR CONDENSING SPLIT UNIT. PROVIDE CONTROL WIRING AS PER MANUFACTURER'S RECOMMENDATION. PROVIDE 34°C TO ASSOCIATED OUTDOOR UNIT.
2. PROVIDE NEW L6-30R RECEPTACLE ON TOP OF THE RACK AS PER DETAIL.
3. REPLACE EXISTING WITH NEW SWITCHBOARD TO MATCH EXISTING KAIC RATING AND BREAKER SIZES. NEW SWITCHBOARD TO COVER EXISTING FOOTPRINT.
4. CONNECT NEW ACC-2 TO EXISTING CIRCUIT IN "MCA-22" VIA NEW 100A, 3POLE DISCONNECT SWITCH. RE-USE EXISTING CONDUIT AND FEEDERS.
5. CONNECT NEW CHWP- 4 TO EXISTING CIRCUIT IN "MCA" VIA NEW VFD. RE-USE EXISTING CONDUIT AND FEEDERS.
6. CONNECT EXISTING CIRCUIT PRESERVED IN PLACE TO NEW VFD FOR AHU-L1.



KEY PLAN - LEVEL ONE

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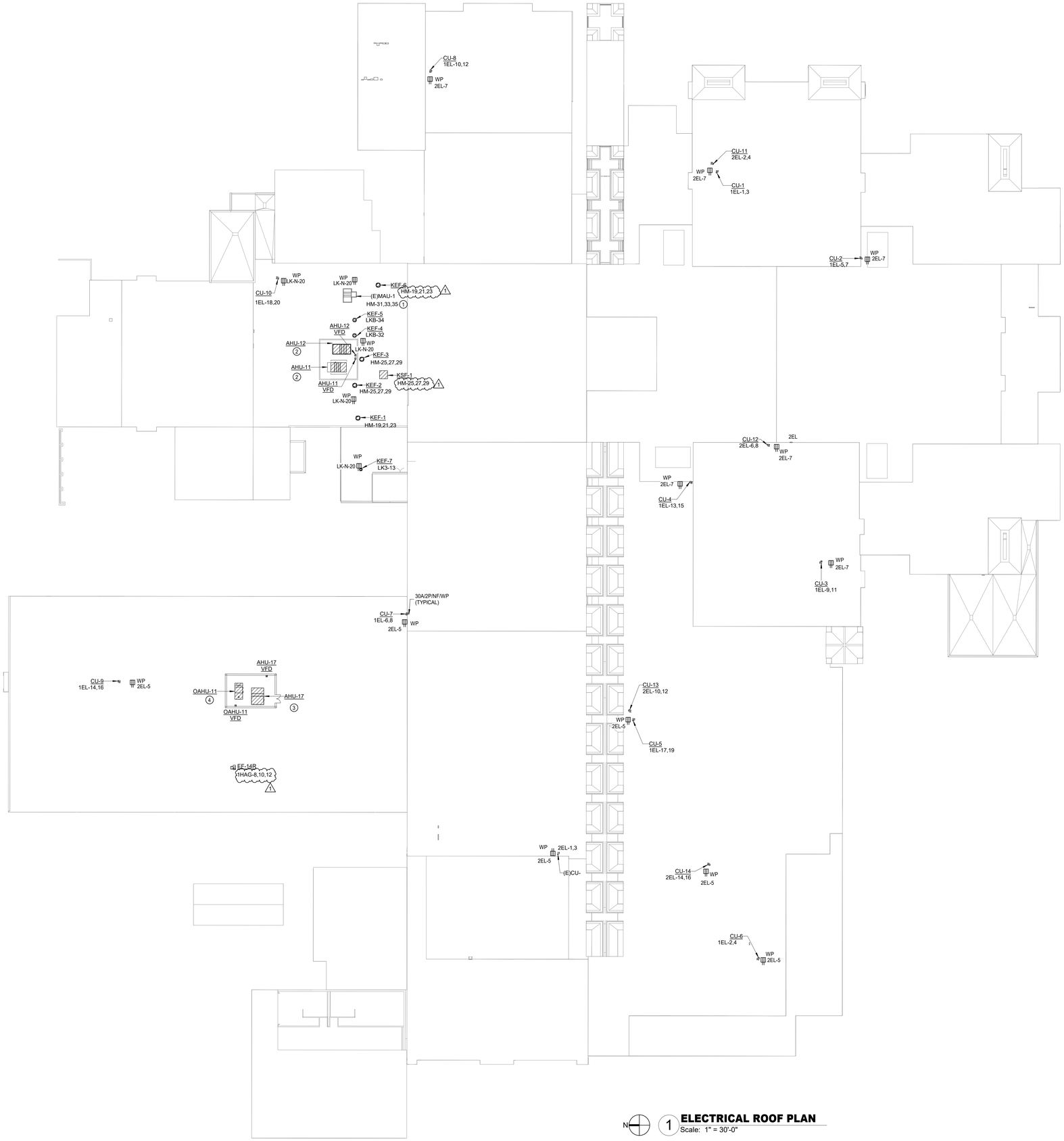
SHEET TITLE

ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT N

SHEET NO.

E3.11N

2024 Cy-Creek HS Renovation



N

1 ELECTRICAL ROOF PLAN

Scale: 1" = 30'-0"

GENERAL NOTES:

A DISCONNECT AND VFD IS FURNISHED WITH UNIT.
B GFCI RECEPTACLE TO BE WEATHERPROOF TYPE.
C DISCONNECT TO BE WEATHERPROOF MOTOR-RATED SWITCH.
D OUTDOOR UNIT OF MINI-SPLIT SYSTEM TO POWER INDOOR UNIT. REFER TO INDOOR FLOOR PLANS FOR ADDITIONAL INFORMATION.

ELECTRICAL KEYED NOTES:

1. RECONNECT EXISTING MAU UNIT CIRCUIT TO NEW UNIT ON ROOF.
2. RECONNECT EXISTING CIRCUIT PRESERVED IN PLACE TO NEW VFD FOR AHU-11 AND AHU-12 FED FROM EXISTING "MCA" MOTOR CONTROL CENTER.
3. RECONNECT EXISTING CIRCUIT PRESERVED IN PLACE TO NEW VFD FOR AHU-17, UNIT IS FED FROM 60A BREAKER IN MCC "SG".
4. RECONNECT EXISTING CIRCUIT PRESERVED IN PLACE TO NEW VFD FOR OAHU-11. UNIT IS FED FROM 15A BREAKER IN MCC "SG".

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SHEET TITLE
ELECTRICAL ROOF PLAN

SHEET NO.
E3.13

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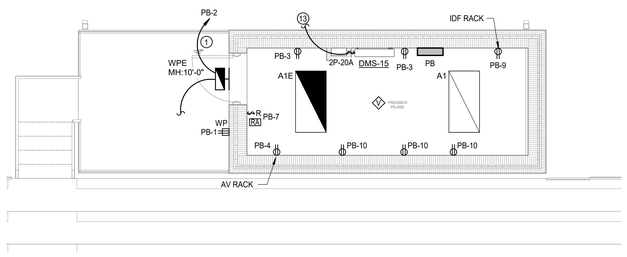
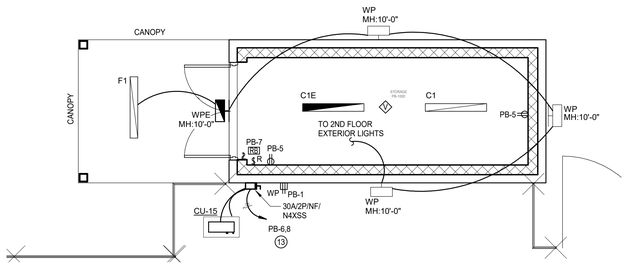
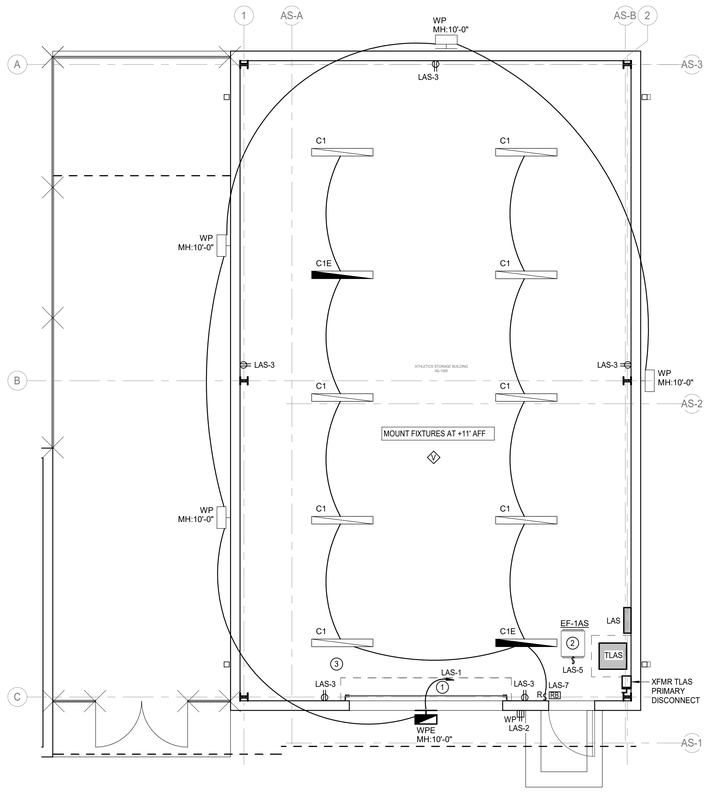


N 4 **ELECTRICAL SITE PLAN - PRESSBOX SECOND FLOOR**
Scale: 1/4" = 1'-0"



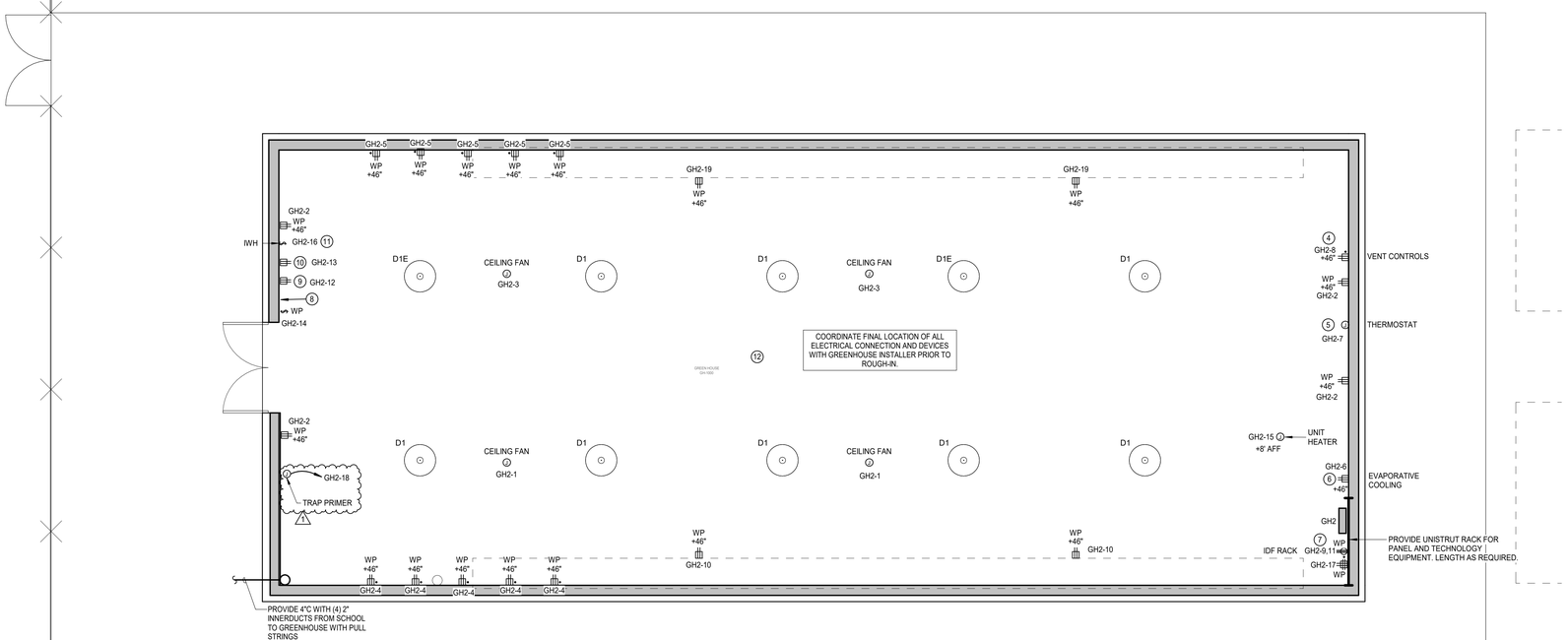
N 3 **ELECTRICAL SITE PLAN - PRESSBOX FIRST FLOOR**
Scale: 1/4" = 1'-0"



N 2 **ELECTRICAL SITE PLAN - STORAGE SHED**
Scale: 1/4" = 1'-0"

ELECTRICAL KEYED NOTES

1	ROUTE EXTERIOR LIGHTING THROUGH NEW CONTACTOR. CONTACTOR SHALL BE CONTROLLED PHOTOCELL ON, ASTRONOMICAL TIMECLOCK OFF. CONTRACTOR TO COORDINATE WITH OWNER FOR EXACT TIME SCHEDULE PRIOR TO INSTALLATION.
2	INTERLOCK FAN WITH LOUVER IN THE ROOM. COORDINATE WITH MECHANICAL CONTRACTOR IN FIELD.
3	CONNECT NEW PANEL FROM EXISTING PANEL "LCS" LOCATED IN CONCESSION BUILDING VIA #8, 1#10G IN 3/4"C. PROVIDE NEW 3P, 40A CIRCUIT BREAKER IN PANEL LCS FOR CONNECTION.
4	PROVIDE 120V/1PH CONNECTION FOR VENT CONTROLS. EC SHALL COORDINATE WITH THE ARCHITECT, OWNER, MECHANICAL CONTRACTOR AND MANUFACTURER FOR THE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
5	PROVIDE 120V/1PH THERMOSTAT CONNECTION. EC SHALL COORDINATE WITH THE ARCHITECT, OWNER, MECHANICAL CONTRACTOR AND MANUFACTURER FOR THE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
6	PROVIDE 120V/1PH EVAPORATIVE COOLING PUMP CONNECTION. EC SHALL COORDINATE WITH THE ARCHITECT, OWNER, MECHANICAL CONTRACTOR AND MANUFACTURER FOR THE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
7	PROVIDE NEW L6-30R RECEPTACLE FOR DATA RACK. MOUNT TO UNISTRUT RACK.
8	PROVIDE FIRE ALARM PULL STATION AND SPEAKER/STROBE DEVICE AS PER MANUFACTURER.
9	PROVIDE 120V/1PH IRRIGATION CONTROLS CONNECTION. EC SHALL COORDINATE WITH CIVIL, THE ARCHITECT, OWNER AND MANUFACTURER FOR THE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
10	PROVIDE 120V/1PH ENVIROMENTAL CONTROLS CONNECTION. EC SHALL COORDINATE WITH THE ARCHITECT, OWNER AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
11	PROVIDE 120V/1PH IWH. COORDINATE WITH PLUMBING.
12	ALL CONDUITS TO BE USED IN GREENHOUSE SHALL BE RTRC X-WALL RATED TYPE AND BOXES SHALL BE PVC.
13	INDOOR DMS UNIT IS POWER BY OUTDOOR DMSCU UNIT. ROUTE 2#12, 1#12G,. 3/4"C. FROM INDOOR UNIT TO OUTDOOR UNIT.



N 1 **ELECTRICAL SITE PLAN - GREENHOUSE BUILDING**
Scale: 1/4" = 1'-0"

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MS	

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ENLARGED PLANS - SITE

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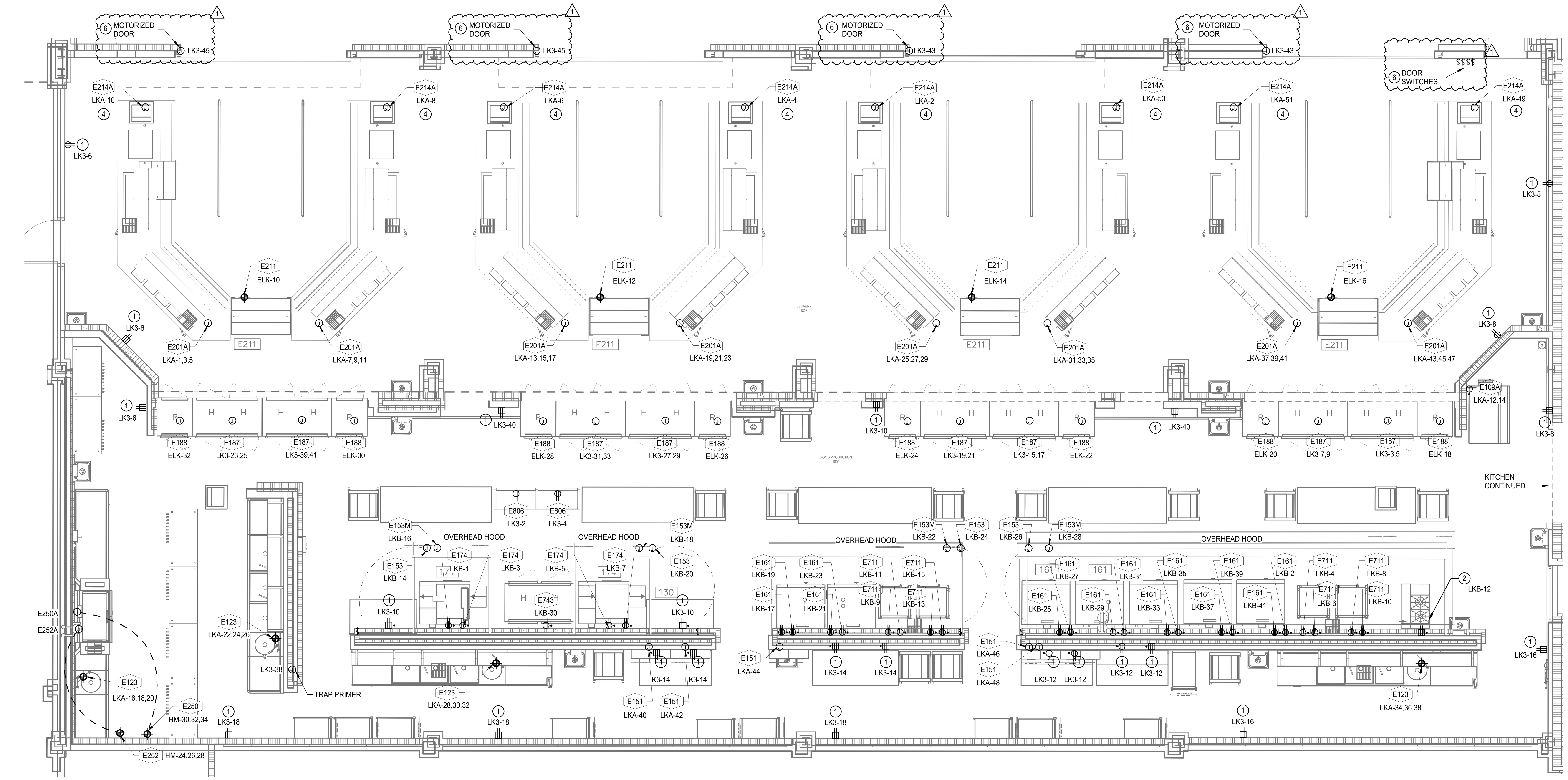
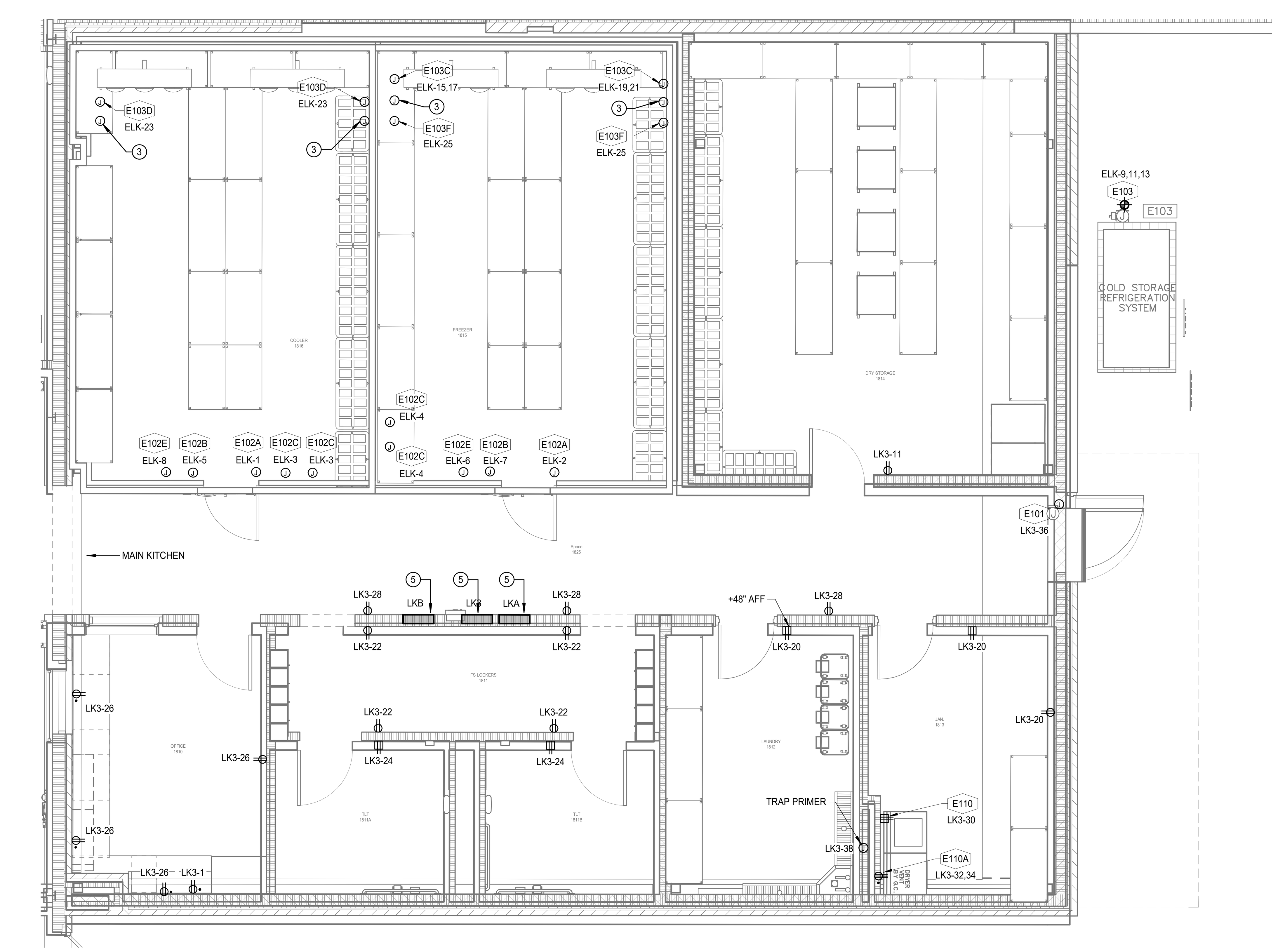


1 **ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT L - KITCHEN**
Scale: 1/4" = 1'-0"



2 **ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT L - KITCHEN CONTINUED**
Scale: 1/4" = 1'-0"

ELECTRICAL KEYED NOTES

1	PROVIDE 120V CONVIVENCE RECEPTACLE.
2	PROVIDE 120V 1PH GAS BURNER/RANGE CONNECTION.
3	PROVIDE DATA CONNECTION ROUTE TO NEAREST IDF/MDF ROOM.
4	PROVIDE CONDUIT FROM POS TO MANAGER'S OFFICE. REFER TO FOOD SERVICE DRAWINGS.
5	PROVIDE ENERGY METER TO MONITOR KITCHEN PANEL.GC TO COORDINATE WITH MECHANICAL CONTRACTOR TO CONNECT TO BMCS.
6	PROVIDE POWER TO NEW MOTORIZED OVERHEAD DOOR AND COORDINATE WITH VENDOR FOR VOLTAGE AND WIRE SIZE. COORDINATE SWITCH LOCATION WITH ARCHITECT/OWNER IN FIELD PRIOR TO ROUGH-IN.

KITCHEN GENERAL NOTES

1. AVOID UNDER FLOOR CONDUIT TO UNLESS ABSOLUTELY NECESSARY.
2. PURPOSE OF THIS SHEET IS TO GIVE DIRECTION ON CIRCUITING THE FOOD SERVICE PLANS & GAS FIRED EQUIPMENT HOOD DRAWINGS.
3. COORDINATE KITCHEN/FOODSERVICE EQUIPMENT EXACT INSTALLATION LOCATIONS AND REQUIREMENTS WITH THE ARCHITECT, MANUFACTURER, AND FOOD SERVICE CONTRACTOR PRIOR TO BEGINNING WORK. REFER TO FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION.
4. COORDINATE KITCHEN HVAC EQUIPMENT EXACT INSTALLATION LOCATIONS AND REQUIREMENTS WITH THE ARCHITECT, MECHANICAL CONTRACTOR, AND ALL OTHER ASSOCIATED TRADES PRIOR TO ROUGH-IN. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
5. COORDINATE KITCHEN PLUMBING EQUIPMENT EXACT INSTALLATION LOCATIONS AND REQUIREMENTS WITH THE ARCHITECT, PLUMBING CONTRACTOR, AND ALL OTHER ASSOCIATED TRADES PRIOR TO ROUGH-IN. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
6. E.C. SHALL COORDINATE WITH OWNER, KITCHEN EQUIPMENT PROVIDER, AND OTHER TRADES PRIOR TO ROUGH IN TO ENSURE ALL ROUGH IN LOCATIONS ARE CONCEALLED IN THE WALL AND STUBBED OUT IN THE PROPER LOCATIONS.
7. GFCI PROTECTION REQUIRED FOR ALL 120V 15 AND 20A RECEPTACLES. BY GFCI FUNCTION ON BREAKER OR RECEPTACLE, PER NEC 210.8 (B) (2).
8. HOOD STAND ALONE FIRE SUPPRESSION SYSTEM SHALL HAVE INPUT TO BUILDING FIRE ALARM SYSTEM.
9. PROVIDE A 20 AMP, 1 HP, 120V POWER SUPPLY FOR KITCHEN EXHAUST FAN ANSUL SYSTEM. THE ACTIVATION OF THE FIRE SUPPRESSION SYSTEM SHALL AUTOMATICALLY SHUT DOWN THE FUEL AND ELECTRICAL POWER SUPPLY TO THE COOKING EQUIPMENT UNDER THE KITCHEN HOOD. THE FUEL AND ELECTRICAL POWER SUPPLY RESET SHALL BE MANUAL. SHUNT TRIP CIRCUIT BREAKERS SHALL BE USED FOR ELECTRICALLY SUPPLIED APPLIANCES LOCATED UNDER THE HOOD.
10. PROVIDE GFCI PROTECTION FOR PERSONNEL FOR (A) ALL SINGLE-PHASE RECEPTACLES RATED 150 V TO GROUND OR LESS, 50A OR LESS, AND (B) ALL THREE-PHASE RECEPTACLES RATED 150 V TO GROUND OR LESS, AND 100 A OR LESS LOCATED IN KITCHEN FOOD PREPARATION OR FOOD SERVING AREAS.

TEXAS FOOD ESTABLISHMENT GENERAL NOTES

1. FOOD SERVICE EQUIPMENT INSTALLATION SHALL BE IN COMPLIANCE WITH APPLICABLE BUILDING AND HEALTH CODES.
2. ALL ELECTRICAL EQUIPMENTS AND DEVICES WITHIN FOOD PREPARATION AND WAREWASH AREAS SHALL BE WEATHERPROOF OR PROVIDED WITH STAINLESS STEEL COVERS/TOPS INCLUDING ELECTRICAL PANEL BOARDS.
3. LIGHTING LEVEL OVER FOOD PREPARATION AREAS SHALL BE 50 FOOT CANDLES MINIMUM AT WORK SURFACES AND LIGHTING FIXTURES SHALL BE PROVIDED WITH PROTECTIVE SHIELDING.
4. WALK-IN COOLERS/FREEZERS TO BE SUPPLIED WITH ADDITIONAL INTERIOR LIGHTING. ADDITIONAL FIXTURES SUPPLIED SHALL BE SUFFICIENT TO MAINTAIN 50 FOOT CANDLES WITHIN COOLER/FREEZER COMPARTMENTS. CONTRACTOR TO SEAL ALL PENETRATIONS THRU WALK-IN COOLER/FREEZER.
5. PROVIDE AT LEAST 50 FOOT CANDLES OF LIGHT TO ALL WORKING SURFACES AND AT LEAST 30 FOOT CANDLES OF LIGHT TO ALL OTHER SURFACES AND EQUIPMENT IN FOOD PREPARATION, UTENSIL WASHING, AND HAND WASHING AREAS; AND IN TOILET ROOMS AND 10 FOOT CANDLES AT A DISTANCE OF 30" ABOVE THE FLOOR, IN WALK-IN REFRIGERATION UNITS AND DRY FOOD STORAGE AREAS. LIGHT BULBS SHALL BE SHIELDED, COATED, OR OTHERWISE SHATTER RESISTANT IN AREAS WHERE THERE IS EXPOSED FOOD, CLEAN EQUIPMENT, UTENSILS, AND LINENS; OR UNWRAPPED SINGLE-SERVICE AND SINGLE-USE ARTICLES. [TFERs sec. 229.167(d)(1)(A)].

E-KITCHEN EQUIPMENT SCHEDULE

KITCHEN-ID	EQUIPMENT	LOAD	AMPS	VOLTAGE	PHASE	BREAKER
E101	CORR 1825 AIR SCREEN	600 W	5.00 A	120 V	1	20A/1P
E102A	CLR 1816 DOOR HEATER/LIGHTS COOLER	1900 W	15.83 A	120 V	1	20A/1P
E102A	FREZ 1815 DOOR HEATER/LIGHTS FREEZER	1900 W	15.83 A	120 V	1	20A/1P
E102B	CLR 1816 TEMP. ALARM COOLER	600 W	5.00 A	120 V	1	20A/1P
E102B	FREZ 1815 TEMP. ALARM FREEZER	600 W	5.00 A	120 V	1	20A/1P
E102C	CLR 1816 PRESSURE RELIF PORT COOLER	1200 W	10.00 A	120 V	1	20A/1P
E102C	FREZ 1815 PRESSURE RELIF PORT FREEZER	1200 W	10.00 A	120 V	1	20A/1P
E102E	FREZ 1815 PANIC ALARM BUTTON	1200 W	10.00 A	120 V	1	20A/1P
E102E	CLR 1816 PANIC ALARM BUTTON	1200 W	10.00 A	120 V	1	20A/1P
E103C	FREZ 1815 FREEZER COIL	2850 W	13.70 A	208 V	1	20A/2P
E103C	FREZ 1815 FREEZER COIL	2850 W	13.70 A	208 V	1	20A/2P
E103D	CLR 1816 COOLER COIL	420 W	3.50 A	120 V	1	20A/1P
E103F	FREZ 1815 DRAIN LINE HEATER	3800 W	31.67 A	120 V	1	20A/1P
E109A	RM 1809 ICE MACHINE	3840 W	18.46 A	208 V	1	25A/2P
E110	RM 1813 LAUNDRY WASHER	180 W	1.50 A	120 V	1	30A/1P
E110A	RM 1813 LAUNDRY DRYER	5500 W	26.44 A	208 V	1	30A/2P
E123	RM 1809 DISPOSOR J-BOX	2800 W	7.77 A	208 V	3	20A/3P
E123	RM 1809 DISPOSOR J-BOX	2800 W	7.77 A	208 V	3	20A/3P
E123	RM 1809 DISPOSOR J-BOX	2800 W	7.77 A	208 V	3	20A/3P
E123	RM 1809 DISPOSOR J-BOX	2800 W	7.77 A	208 V	3	20A/3P
E151	RM 1809 FIRE PROTECTION SYSTEM J-BOX	200 W	1.67 A	120 V	1	20A/1P
E151	RM 1809 FIRE PROTECTION SYSTEM J-BOX	200 W	1.67 A	120 V	1	20A/1P
E151	RM 1809 FIRE PROTECTION SYSTEM J-BOX	200 W	1.67 A	120 V	1	20A/1P
E151	RM 1809 FIRE PROTECTION SYSTEM J-BOX	200 W	1.67 A	120 V	1	20A/1P
E151	RM 1809 FIRE PROTECTION SYSTEM J-BOX	200 W	1.67 A	120 V	1	20A/1P
E153	RM 1809 KITCHEN HOOD LGTS	1000 W	8.33 A	120 V	1	20A/1P
E153	RM 1809 KITCHEN HOOD LGTS	1000 W	8.33 A	120 V	1	20A/1P
E153	RM 1809 KITCHEN HOOD LGTS	1000 W	8.33 A	120 V	1	20A/1P
E153	RM 1809 KITCHEN HOOD LGTS	1000 W	8.33 A	120 V	1	20A/1P
E153M	RM 1809 KITCHEN HOOD HEAT SENSOR J-BOX	1200 W	10.00 A	120 V	1	20A/1P
E153M	RM 1809 KITCHEN HOOD HEAT SENSOR J-BOX	1200 W	10.00 A	120 V	1	20A/1P
E153M	RM 1809 KITCHEN HOOD HEAT SENSOR J-BOX	1200 W	10.00 A	120 V	1	20A/1P
E153M	RM 1809 KITCHEN HOOD HEAT SENSOR J-BOX	1200 W	10.00 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E161	RM 1809 CONVECTION OVEN RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E174	RM 1809 OVEN CONVEYOR RCPT.	840 W	7.00 A	120 V	1	20A/1P
E174	RM 1809 OVEN CONVEYOR RCPT.	840 W	7.00 A	120 V	1	20A/1P
E174	RM 1809 OVEN CONVEYOR RCPT.	840 W	7.00 A	120 V	1	20A/1P
E174	RM 1809 OVEN CONVEYOR RCPT.	840 W	7.00 A	120 V	1	20A/1P
E187	RM 1809 HEATED CABINET J-BOX	3230 W	15.53 A	208 V	1	25A/2P
E187	RM 1809 HEATED CABINET J-BOX	3230 W	15.53 A	208 V	1	25A/2P
E187	RM 1809 HEATED CABINET J-BOX	3230 W	15.53 A	208 V	1	25A/2P
E187	RM 1809 HEATED CABINET J-BOX	3230 W	15.53 A	208 V	1	25A/2P
E187	RM 1809 HEATED CABINET J-BOX	3230 W	15.53 A	208 V	1	25A/2P
E187	RM 1809 HEATED CABINET J-BOX	3230 W	15.53 A	208 V	1	25A/2P
E187	RM 1809 HEATED CABINET J-BOX	3230 W	15.53 A	208 V	1	25A/2P
E187	RM 1809 HEATED CABINET J-BOX	3230 W	15.53 A	208 V	1	25A/2P
E188	RM 1809 REFRIGERATOR J-BOX	870 W	7.25 A	120 V	1	20A/1P
E188	RM 1809 REFRIGERATOR J-BOX	870 W	7.25 A	120 V	1	20A/1P
E188	RM 1809 REFRIGERATOR J-BOX	870 W	7.25 A	120 V	1	20A/1P
E188	RM 1809 REFRIGERATOR J-BOX	870 W	7.25 A	120 V	1	20A/1P
E188	RM 1809 REFRIGERATOR J-BOX	870 W	7.25 A	120 V	1	20A/1P
E188	RM 1809 REFRIGERATOR J-BOX	870 W	7.25 A	120 V	1	20A/1P
E188	RM 1809 REFRIGERATOR J-BOX	870 W	7.25 A	120 V	1	20A/1P
E188	RM 1809 REFRIGERATOR J-BOX	870 W	7.25 A	120 V	1	20A/1P
E201A	RM 1808 LOAD CENTER J-BOX	12220 W	33.92 A	208 V	3	50A/3P
E201A	RM 1808 LOAD CENTER J-BOX	12220 W	33.92 A	208 V	3	50A/3P
E201A	RM 1808 LOAD CENTER J-BOX	12220 W	33.92 A	208 V	3	50A/3P
E201A	RM 1808 LOAD CENTER J-BOX	12220 W	33.92 A	208 V	3	50A/3P
E201A	RM 1808 LOAD CENTER J-BOX	12220 W	33.92 A	208 V	3	50A/3P
E201A	RM 1808 LOAD CENTER J-BOX	12220 W	33.92 A	208 V	3	50A/3P
E201A	RM 1808 LOAD CENTER J-BOX	12220 W	33.92 A	208 V	3	50A/3P
E201A	RM 1808 LOAD CENTER J-BOX	12220 W	33.92 A	208 V	3	50A/3P
E211	RM 1808 MILK COOLER J-BOX	1000 W	8.33 A	120 V	1	20A/1P
E211	RM 1808 MILK COOLER J-BOX	1000 W	8.33 A	120 V	1	20A/1P
E211	RM 1808 MILK COOLER J-BOX	1000 W	8.33 A	120 V	1	20A/1P
E211	RM 1808 MILK COOLER J-BOX	1000 W	8.33 A	120 V	1	20A/1P
E214A	RM 1808 P.O.S. EQUIP RCPT.	500 W	4.17 A	120 V	1	20A/1P
E214A	RM 1808 P.O.S. EQUIP RCPT.	500 W	4.17 A	120 V	1	20A/1P
E214A	RM 1808 P.O.S. EQUIP RCPT.	500 W	4.17 A	120 V	1	20A/1P
E214A	RM 1808 P.O.S. EQUIP RCPT.	500 W	4.17 A	120 V	1	20A/1P
E214A	RM 1808 P.O.S. EQUIP RCPT.	500 W	4.17 A	120 V	1	20A/1P
E214A	RM 1808 P.O.S. EQUIP RCPT.	500 W	4.17 A	120 V	1	20A/1P
E214A	RM 1808 P.O.S. EQUIP RCPT.	500 W	4.17 A	120 V	1	20A/1P
E214A	RM 1808 P.O.S. EQUIP RCPT.	500 W	4.17 A	120 V	1	20A/1P
E250	RM 1809 DISH MACHINE	20000 W	24.06 A	480 V	3	40A/3P
E252	RM 1809 BOOSTER HEATER	33000 W	39.69 A	480 V	3	50A/3P
E711	RM 1809 CONVECTION STEAMER RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E711	RM 1809 CONVECTION STEAMER RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E711	RM 1809 CONVECTION STEAMER RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E711	RM 1809 CONVECTION STEAMER RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E711	RM 1809 CONVECTION STEAMER RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E711	RM 1809 CONVECTION STEAMER RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E711	RM 1809 CONVECTION STEAMER RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E711	RM 1809 CONVECTION STEAMER RCPT.	1000 W	8.33 A	120 V	1	20A/1P
E743	RM 1809 REFRIGERATOR RCPT.	870 W	7.25 A	120 V	1	20A/1P
E806	RM 1809 PIZZA PREP TABLE RCPT.	1920 W	16.00 A	120 V	1	30A/1P
E806	RM 1809 PIZZA PREP TABLE RCPT.	1920 W	16.00 A	120 V	1	30A/1P
XX	E103 REFRIGERATION SYSTEM	15000 W	41.64 A	208 V	3	60A/3P
XX	RM 1809 OVEN/RANGE RCPT.	500 W	4.17 A	120 V	1	20A/1P

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Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

STATE OF TEXAS
BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director: MS
Drawn By: SA
Designer: SA
Quality Control: JZ
Proj. Arch.: MS

PROJECT NO.
23-148.00

SHEET TITLE
ENLARGED POWER PLAN - KITCHEN

SHEET NO.
E3.15

2024 Cy-Creek HS Renovation

Branch Panel: LKA

Location: Space 1825 | **Supply From:** DPK | **Mounting:** Recessed | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 1 SS FRONT | **Mains:** 400A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1				4.1 / 0.5			1	20	#12 RM 1808 P.O.S. EQUIP RCPT.	2	
	3	RM 1808 LOAD CENTER J-BOX	#6	50 3		4.1 / 0.5		1	20	#12 RM 1808 P.O.S. EQUIP RCPT.	4	
	5						4.1 / 0.5	1	20	#12 RM 1808 P.O.S. EQUIP RCPT.	6	
	7				4.1 / 0.5			1	20	#12 RM 1808 P.O.S. EQUIP RCPT.	8	
	9	RM 1808 LOAD CENTER J-BOX	#6	50 3		4.1 / 0.5		1	20	#12 RM 1808 P.O.S. EQUIP RCPT.	10	
	11						4.1 / 1.9	2	25	#10 RM 1809 ICE MACHINE	12	
	13				4.1 / 1.9						14	
	15	RM 1808 LOAD CENTER J-BOX	#6	50 3		4.1 / 0.9					16	
	17						4.1 / 0.9	3	20	#12 RM 1809 DISPOSOR J-BOX	18	
	19				4.1 / 0.9						20	
	21	RM 1808 LOAD CENTER J-BOX	#6	50 3		4.1 / 0.9					22	
	23						4.1 / 0.9	3	20	#12 RM 1809 DISPOSOR J-BOX	24	
	25				4.1 / 0.9						26	
	27	RM 1808 LOAD CENTER J-BOX	#6	50 3		4.1 / 0.9					28	
	29						4.1 / 0.9	3	20	#12 RM 1809 DISPOSOR J-BOX	30	
	31				4.1 / 0.9						32	
	33	RM 1808 LOAD CENTER J-BOX	#6	50 3		4.1 / 0.9					34	
	35						4.1 / 0.9	3	20	#12 RM 1809 DISPOSOR J-BOX	36	
	37				4.1 / 0.9						38	
	39	RM 1808 LOAD CENTER J-BOX	#6	50 3		4.1 / 0.2		1	20	#12 RM 1809 FIRE PROTECTION SYSTEM J-BOX	40	
	41						4.1 / 0.2	1	20	#12 RM 1809 FIRE PROTECTION SYSTEM J-BOX	42	
	43				4.1 / 0.2			1	20	#12 RM 1809 FIRE PROTECTION SYSTEM J-BOX	44	
	45	RM 1808 LOAD CENTER J-BOX	#6	50 3		4.1 / 0.2		1	20	#12 RM 1809 FIRE PROTECTION SYSTEM J-BOX	46	
	47						4.1 / 0.2	1	20	#12 RM 1809 FIRE PROTECTION SYSTEM J-BOX	48	
	49	RM 1808 P.O.S. EQUIP RCPT.	#12	20 1	0.5 / 0.0			1	20	-- SPARE	50	--
	51	RM 1808 P.O.S. EQUIP RCPT.	#12	20 1		0.5 / 0.0		1	20	-- SPARE	52	--
	53	RM 1808 P.O.S. EQUIP RCPT.	#12	20 1			0.5 / 0.0	1	20	-- SPARE	54	--
--	55	SPARE	--	20 1	0.0 / 0.0						56	
--	57	SPARE	--	20 1		0.0 / 0.0		3	30	-- SPD	58	--
--	59	SPARE	--	20 1			0.0 / 0.0				60	
			Total Load:		39.9 kVA	38.2 kVA	39.6 kVA					
			Total Amps:		335 A	319 A	332 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Kitchen Equipment	117.8 kVA	65.00%	76.6 kVA		
				Total Conn. Load:	117.8 kVA
				Total Est. Demand:	76.6 kVA
				Total Conn. Current:	327 A
				Total Est. Demand Current:	213 A

Notes:

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: LK3

Location: Space 1825 | **Supply From:** MCC IN 2ND ATTIC | **Mounting:** Recessed | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 1 SS FRONT | **Mains:** 225A MLO

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1	ABOVE COUNTER OFFICE 1810	#12	20 1	0.2 / 1.9			1	30	#10 RM 1809 PIZZA PREP TABLE RCPT.	2	
	3	RM 1809 HEATED CABINET J-BOX	#10	25 2		1.6 / 1.9		1	30	#10 RM 1809 PIZZA PREP TABLE RCPT.	4	
	5						1.6 / 0.5	1	20	#12 RM 1808, 1809 RCPT.	6	
	7	RM 1809 HEATED CABINET J-BOX	#10	25 2	1.6 / 0.5			1	20	#12 RM 1808, 1809 RCPT.	8	
	9					1.6 / 0.5		1	20	#12 RM 1809 RCPT.	10	
	11	DRY STORAGE RECEPTACLRS	#12	20 1			0.5 / 0.7	1	20	#12 RM 1809 RCPT.	12	
	13	KEF-7	#12	20 1	0.1 / 0.7			1	20	#12 RM 1809 RCPT.	14	
	15	RM 1809 HEATED CABINET J-BOX	#10	25 2		1.6 / 0.4		1	20	#12 RM 1809 RCPT.	16	
	17						1.6 / 0.5	1	20	#12 RM 1809 RCPT.	18	
	19	RM 1809 HEATED CABINET J-BOX	#10	25 2	1.6 / 0.5			1	20	#12 RM 1813, 1812 RCPT.	20	
	21					1.6 / 0.7		1	20	#12 RM 1811 RCPT.	22	
	23	RM 1809 HEATED CABINET J-BOX	#10	25 2			1.6 / 0.4	1	20	#12 RM 1811A, 1811B RCPT.	24	
	25				1.6 / 0.7			1	20	#12 RM 1810 RCPT.	26	
	27	RM 1809 HEATED CABINET J-BOX	#10	25 2		1.6 / 0.5		1	20	#12 CORR & RM 1814 RCPT.	28	
	29						1.6 / 0.2	1	30	#10 RM 1813 LAUNDRY WASHER	30	
	31	RM 1809 HEATED CABINET J-BOX	#10	25 2	1.6 / 2.8			2	30	#10 RM 1813 LAUNDRY DRYER	32	G
	33					1.6 / 2.8					34	
--	35	SPARE	--	20 2			0.0 / 0.6	1	20	#12 CORR 1825 AIR SCREEN	36	
	37				0.0 / 1.0			1	20	#12 TRAP PRIMER	38	
	39	RM 1809 HEATED CABINET J-BOX	#10	25 2		1.6 / 0.4		1	20	#12 RM 1809 RCPT.	40	
	41						1.6 / 0.0	1	20	-- SPARE	42	--
⚠1	43	OVERHEAD MOTORIZED DOORS	#12	20 1	1.0 / 0.0			1	20	-- SPARE	44	--
⚠1	45	OVERHEAD MOTORIZED DOORS	#12	20 1		1.0 / 0.0		1	20	-- SPARE	46	--
⚠1	47	SPARE	--	20 1			0.0 / 0.0	1	20	-- SPARE	48	--
--	49	SPARE	--	20 1	0.0 / 0.0			1	20	-- SPARE	50	--
--	51	SPARE	--	20 1		0.0 / 0.0		1	--	-- SPACE	52	--
--	53	SPARE	--	20 1			0.0 / 0.0	1	--	-- SPACE	54	--
--	55	SPACE	--	-- 1	0.0 / 0.0						56	
--	57	SPACE	--	-- 1		0.0 / 0.0		3	30	-- SPD	58	--
--	59	SPACE	--	-- 1			0.0 / 0.0				60	
			Total Load:		15.9 kVA	19.5 kVA	11.6 kVA					
			Total Amps:		138 A	168 A	96 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	0.1 kVA	100.00%	0.1 kVA		
Kitchen Equipment	35.8 kVA	65.00%	23.3 kVA	**Total Conn. Load:**	47.0 kVA
Miscellaneous	3.0 kVA	100.00%	3.0 kVA	**Total Est. Demand:**	34.5 kVA
Receptacles	8.1 kVA	100.00%	8.1 kVA	**Total Conn. Current:**	130 A
				Total Est. Demand Current:	96 A

Notes:
RE-USE EXISTING FEED COMING FROM LEVEL 2 MCC TO FEED THIS PANEL.

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: LKB

Location: Space 1825 | **Supply From:** DPK | **Mounting:** Recessed | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 1 | **Mains:** 125A MCB

THIS IS A SHUNT TRIP PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1	RM 1809 OVEN CONVEYOR RCPT.	#12	20 1	0.8 / 1.0			1	20	#12 RM 1809 CONVECTION OVEN RCPT.	2	
	3	RM 1809 OVEN CONVEYOR RCPT.	#12	20 1		0.8 / 1.0		1	20	#12 RM 1809 CONVECTION STEAMER RCPT.	4	
	5	RM 1809 OVEN CONVEYOR RCPT.	#12	20 1			0.8 / 1.0	1	20	#12 RM 1809 CONVECTION STEAMER RCPT.	6	
	7	RM 1809 OVEN CONVEYOR RCPT.	#12	20 1	0.8 / 1.0			1	20	#12 RM 1809 CONVECTION STEAMER RCPT.	8	
	9	RM 1809 CONVECTION STEAMER RCPT.	#12	20 1		1.0 / 1.0		1	20	#12 RM 1809 CONVECTION STEAMER RCPT.	10	
	11	RM 1809 CONVECTION STEAMER RCPT.	#12	20 1			1.0 / 0.5	1	20	#12 RM 1809 OVEN/RANGE RCPT.	12	
	13	RM 1809 CONVECTION STEAMER RCPT.	#12	20 1	1.0 / 1.0			1	20	#12 RM 1809 KITCHEN HOOD LGTS	14	
	15	RM 1809 CONVECTION STEAMER RCPT.	#12	20 1		1.0 / 1.2		1	20	#12 RM 1809 KITCHEN HOOD HEAT SENSOR J-BOX	16	
	17	RM 1809 CONVECTION OVEN RCPT.	#12	20 1			1.0 / 1.2	1	20	#12 RM 1809 KITCHEN HOOD HEAT SENSOR J-BOX	18	
	19	RM 1809 CONVECTION OVEN RCPT.	#12	20 1	1.0 / 1.0			1	20	#12 RM 1809 KITCHEN HOOD LGTS	20	
	21	RM 1809 CONVECTION OVEN RCPT.	#12	20 1		1.0 / 1.2		1	20	#12 RM 1809 KITCHEN HOOD HEAT SENSOR J-BOX	22	
	23	RM 1809 CONVECTION OVEN RCPT.	#12	20 1			1.0 / 1.0	1	20	#12 RM 1809 KITCHEN HOOD LGTS	24	
	25	RM 1809 CONVECTION OVEN RCPT.	#12	20 1	1.0 / 1.0			1	20	#12 RM 1809 KITCHEN HOOD LGTS	26	
	27	RM 1809 CONVECTION OVEN RCPT.	#12	20 1		1.0 / 1.2		1	20	#12 RM 1809 KITCHEN HOOD HEAT SENSOR J-BOX	28	
	29	RM 1809 CONVECTION OVEN RCPT.	#12	20 1			1.0 / 0.9	1	20	#12 RM 1809 REFRIGERATOR RCPT.	30	
	31	RM 1809 CONVECTION OVEN RCPT.	#12	20 1	1.0 / 0.4			1	20	#12 KEF-4	32	
	33	RM 1809 CONVECTION OVEN RCPT.	#12	20 1		1.0 / 0.4		1	20	#12 KEF-5	34	
	35	RM 1809 CONVECTION OVEN RCPT.	#12	20 1			1.0 / 0.0	1	--	-- SPACE	36	--
	37	RM 1809 CONVECTION OVEN RCPT.	#12	20 1	1.0 / 0.0			1	--	-- SPACE	38	--
	39	RM 1809 CONVECTION OVEN RCPT.	#12	20 1		1.0 / 0.0		1	--	-- SPACE	40	--
	41	RM 1809 CONVECTION OVEN RCPT.	#12	20 1			1.0 / 0.0	1	--	-- SPACE	42	--
--	43	SPACE	--	-- 1	0.0 / 0.0						44	
--	45	SPACE	--	-- 1		0.0 / 0.0		3	30	-- SPD	46	--
--	47	SPACE	--	-- 1			0.0 / 0.0				48	
			Total Load:		12.1 kVA	12.8 kVA	11.4 kVA					
			Total Amps:		101 A	108 A	95 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	0.7 kVA	100.00%	0.7 kVA		
Kitchen Equipment	31.5 kVA	65.00%	20.5 kVA	**Total Conn. Load:**	36.3 kVA
Lighting	4.0 kVA	125.00%	5.0 kVA	**Total Est. Demand:**	26.2 kVA
				Total Conn. Current:	101 A
				Total Est. Demand Current:	73 A

Notes:
PROVIDE MCB WITH SHUNT TRIP

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: DPK

Location: STORAGE 1844A | **Supply From:** | **Mounting:** Recessed | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 65,000 | **Enclosure:** Type 1 | **Mains:** 600A MLO

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1				39.9 / 12.1						2	
*	3	PANEL LKA	(2) #3/0	400 3		38.2 / 12.8		3	125	#1 PANEL LKB	4	*
	5						39.6 / 11.4				6	
	7				5.2 / 0.0						8	
	9	PANEL LK-N	#3/0	150 3		4.4 / 0.0		3	--	-- LKB PANEL SHUNT TRIP	10	--
	11						3.3 / 0.0				12	
--	13	SPACE	--	-- 1	0.0 / 0.0			1	--	-- SPACE	14	--
--	15	SPACE	--	-- 1		0.0 / 0.0		1	--	-- SPACE	16	--
--	17	SPACE	--	-- 1			0.0 / 0.0	1	--	-- SPACE	18	--
			Total Load:		57.2 kVA	55.5 kVA	54.4 kVA					
			Total Amps:		478 A	463 A	453 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1.7 kVA	100.00%	1.7 kVA		
Kitchen Equipment	149.3 kVA	65.00%	97.1 kVA	**Total Conn. Load:**	167.0 kVA
Lighting	4.0 kVA	125.00%	5.0 kVA	**Total Est. Demand:**	115.8 kVA
Miscellaneous	5.1 kVA	100.00%	5.1 kVA	**Total Conn. Current:**	464 A
Receptacles	6.8 kVA	100.00%	6.8 kVA	**Total Est. Demand Current:**	321 A

Notes:
*** INDICATES NEW CIRCUIT BREAKER

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: HM

Location: ELECT 1844 | **Supply From:** | **Mounting:** Surface | **Volts:** 277/480 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 35,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	EXISTING LOAD	--	20 1	0.0 / 0.0			1	20	-- EXISTING LOAD	2	--
--	3	EXISTING LOAD	--	20 1		0.0 / 0.0		1	20	-- EXISTING LOAD	4	--
--	5	EXISTING LOAD	--	20 1			0.0 / 0.0	1	20	-- EXISTING LOAD	6	--
--	7	EXISTING LOAD	--	20 1	0.0 / 0.0			1	20	-- EXISTING LOAD	8	--
--	9	EXISTING LOAD	--	20 1		0.0 / 0.0		1	20	-- EXISTING LOAD	10	--
--	11	EXISTING LOAD	--	20 1			0.0 / 0.0	1	20	-- EXISTING LOAD	12	--
--	13	SPARE	--	20 1	0.0 / 0.0			1	20	-- SPARE	14	--
--	15	EXISTING LOAD	--	20 2		0.0 / 0.0		2	20	-- EXISTING LOAD	16	--
	17						0.0 / 0.0				18	
	19				0.7 / 0.0			1	20	-- SPARE	20	--
	21	KEF-1, KEF-6	#12	20 3		0.7 / 0.0		1	20	-- EXISTING LOAD	22	--
	23						0.7 / 11.0				24	
	25				1.5 / 11.0			3	50	#8 RM 1809 BOOSTER HEATER	26	*
	27	KEF-2, KSF-1	#10	20 3		1.5 / 11.0					28	
	29						1.5 / 6.7				30	
	31				1.2 / 6.7			3	40	#8 RM 1809 DISH MACHINE	32	*
	33	(E) MAU-1	#12	20 3		1.2 / 6.7					34	
	35						1.2 / 0.0	1	--	-- SPACE	36	--
	37				0.9 / 0.0						38	
*	39	OAHU-12	#10	20 3		0.9 / 0.0		3	30	-- (E) SPD	40	--
	41						0.9 / 0.0				42	
			Total Load:		22.1 kVA	22.1 kVA	22.1 kVA					
			Total Amps:		80 A	80 A	80 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	13.2 kVA	100.00%	13.2 kVA		
Kitchen Equipment	53.0 kVA	100.00%	53.0 kVA	**Total Conn. Load:**	66.2 kVA
				Total Est. Demand:	66.2 kVA
				Total Conn. Current:	80 A
				Total Est. Demand Current:	80 A

Notes:
*** INDICATES NEW CIRCUIT BREAKER

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: MHX

Location: ELECT 1844 | **Supply From:** EMDP | **Mounting:** Surface | **Volts:** 277/480 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 35,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	SPACE	--	-- 1	0.0 / 0.0						2	
--	3	SPACE	--	-- 1		0.0 / 0.0		3	30	-- EXISTING PANEL MHX-1	4	--
--	5	SPACE	--	-- 1			0.0 / 0.0				6	
	7				0.0 / 0.0						8	
--	9	EXISTING PANEL 2HXA	--	100 3		0.0 / 0.0		3	60	-- EXISTING PANEL 2HXB	10	--
	11						0.0 / 0.0				12	
--	13	SPACE	--	-- 1	0.0 / 0.0						14	
--	15	SPACE	--	-- 1		0.0 / 0.0		3	60	#8 LIFT STATION ATS	16	*
--	17	SPACE	--	-- 1			0.0 / 0.0				18	
--	19	SPARE	--	20 1	0.0 / 0.0			1	--	-- SPACE	20	--
--	21	SPARE	--	20 1		0.0 / 0.0		1	--	-- SPACE	22	--
--	23	SPARE	--	20 1			0.0 / 0.0	1	--	-- SPACE	24	--
--	25	SPARE	--	20 1	0.0 / 0.0						26	
--	27	SPARE	--	20 1		0.0 / 0.0		3	30	-- SPD	28	--
--	29	SPARE	--	20 1			0.0 / 0.0				30	
			Total Load:		0.0 kVA	0.0 kVA	0.0 kVA					
			Total Amps:		0 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0.0 kVA
				Total Est. Demand:	0.0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:
*** INDICATES NEW CIRCUIT BREAKER

Abbreviations:
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Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS — 80219 — LICENSED — PROFESSIONAL ENGINEER — STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 2	02.06.2025

Director MS	Drawn By SA
Designer SA	Quality Control JZ
Proj. Arch. MS	

PROJECT NO.

23-148.00

SHEET TITLE

PANEL SCHEDULES

SHEET NO.

E5.01

2024 Cy-Creek HS Renovation

Branch Panel: EMDP

Location: CHILLERS 1842 | **Supply From:** MSB 3 | **Mounting:** Surface
Volts: 277/480 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 65,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING EMERGENCY...

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1				0.0 / 0.0						2	
--	3	PANEL 1CHE	--	200	3	0.0 / 0.0		3	30	-- PANEL UHE	4	--
	5						0.0 / 0.0				6	
	7				0.0 / 0.0						8	
--	9	SPACE	--	--	3	0.0 / 0.0		3	100	(E) PANEL MHX	10	
	11						0.0 / 0.0				12	
	13				26.5 / 11.7						14	
*	15	PANEL 1EL VIA T1EL	#1/0	125	3	22.3 / 10.6		3	70	#2 PANEL 2EL VIA T2EL	16	*
	17						23.1 / 7.3				18	
--	19	SPACE	--	--	1	0.0 / 0.4					20	
--	21	SPACE	--	--	1		0.0 / 0.1	3	150	(E) PANEL 1RHE	22	
--	23	SPACE	--	--	1		0.0 / 0.0				24	
			Total Load:			38.6 kVA	33.1 kVA	30.5 kVA				
			Total Amps:			141 A	121 A	110 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	60.5 kVA	100.00%	60.5 kVA	
Lighting	0.5 kVA	125.00%	0.6 kVA	**Total Conn. Load:** 102.2 kVA
Miscellaneous	38.3 kVA	100.00%	38.3 kVA	**Total Est. Demand:** 102.3 kVA
Receptacles	2.9 kVA	100.00%	2.9 kVA	**Total Conn. Current:** 123 A
				Total Est. Demand Current: 123 A

Notes:
*** INDICATES NEW CIRCUIT BREAKER

Abbreviations:
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Branch Panel: 1EL

Location: ELECT 1731A | **Supply From:** T1EL | **Mounting:** Surface
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10,000 | **Enclosure:** Type 1 | **Mains:** 250A

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1				2.0 / 2.0						2	
	3	CU-1	#10	25	2	2.0 / 2.0		2	25	#10 CU-6	4	
	5						2.0 / 2.0				6	
	7	CU-2	#10	25	2	2.0 / 2.0		2	25	#10 CU-7	8	
	9						2.0 / 2.0				10	
	11	CU-3	#10	25	2	2.0 / 2.0		2	25	#10 CU-8	12	
	13						2.0 / 2.0				14	
	15	CU-4	#10	30	2	2.6 / 2.0		2	25	#10 CU-9	16	
	17						2.6 / 2.0				18	
	19	CU-5	#10	25	2	2.0 / 2.0		2	25	#10 CU-10	20	
	21	ACP PANEL STOR. 1847	#12	20	1		0.5 / 1.1	2	30	#10 UPS IDF 1218A	22	
	23	ACP PANEL HEAD IN 1061	#12	20	1						24	
	25	ACP PANEL OFFICE 1913	#12	20	1	0.5 / 1.1		2	30	#10 UPS IDF 1304	26	
	27	ACP PANEL IDF 1101	#12	20	1		0.4 / 1.1				28	
	29							1.6 / 1.1			30	
	31	UPS MDF 1061	#10	30	2	1.6 / 1.1		2	30	#10 UPS IDF 1101	32	
	33						1.6 / 1.1				34	
	35	UPS MDF 1061	#10	30	2			1.6 / 1.1	2	30	#10 UPS IDF 1218A	36
	37					1.6 / 1.1					38	
	39	UPS MDF 1061	#10	30	2		1.6 / 1.1				40	
	41							1.6 / 1.6			42	
	43	UPS MDF 1061	#10	30	2	1.6 / 1.6		2	30	#10 UPS IDF 1731	44	
--	45	SPARE	--	20	1		0.0 / 1.6				46	
--	47	SPARE	--	20	1			0.0 / 1.6	2	30	#10 UPS IDF 1731	46
	49					0.0 / 0.2			1	20	#12 CONDENSATE PUMP IDF 1820B.1	50
--	51	SPDL	--	30	3		0.0 / 0.0				-- -- SPACE	52
	53							0.0 / 0.0	1	--	-- SPACE	54
			Total Load:			26.5 kVA	22.3 kVA	23.1 kVA				
			Total Amps:			222 A	186 A	194 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	40.8 kVA	100.00%	40.8 kVA	
Miscellaneous	31.0 kVA	100.00%	31.0 kVA	**Total Conn. Load:** 72.0 kVA
Receptacles	0.2 kVA	100.00%	0.2 kVA	**Total Est. Demand:** 72.0 kVA
				Total Conn. Current: 200 A
				Total Est. Demand Current: 200 A

Notes:

Abbreviations:
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Branch Panel: 2EL

Location: ELECT 2246 | **Supply From:** T2EL | **Mounting:** Surface
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10,000 | **Enclosure:** Type 1 | **Mains:** 150A

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1				2.0 / 2.0						2	
	3	EXISTING CU ON ROOF	#10	25	2	2.0 / 2.0		2	25	#10 CU-11	4	
	5	ROOF RECEPTACLES	#12	20	1		1.1 / 2.0				6	
	7	ROOF RECEPTACLES	#12	20	1	1.1 / 2.0		2	25	#10 CU-12	8	
	9	CONDENSATE PUMP IDF 2412	#12	20	1		0.2 / 2.0				10	
	11	CONDENSATE PUMP IDF 2101	#12	20	1			0.2 / 2.0	2	25	#10 CU-13	12
	13	CONDENSATE PUMP IDF 2244		20	1	0.2 / 2.0					14	
--	15	SPARE	--	20	1		0.0 / 2.0		2	25	#10 CU-14	16
--	17	SPARE	--	20	1			0.0 / 1.1	2	30	#10 UPS IDF 2101	18
--	19	SPARE	--	20	1	0.0 / 1.1					20	
--	21	SPARE	--	20	1		0.0 / 1.1		2	30	#10 UPD IDF 2244	22
--	23	SPARE	--	20	1			0.0 / 1.1			24	
--	25	SPACE	--	--	1	0.0 / 1.5			2	30	#10 UPS IDF 2412	26
--	27	SPACE	--	--	1		0.0 / 1.5				28	
--	29	SPACE	--	--	1			0.0 / 0.0	1	20	-- SPARE	30
--	31	SPACE	--	--	1	0.0 / 0.0			1	20	-- SPARE	32
--	33	SPACE	--	--	1		0.0 / 0.0		1	--	-- SPACE	34
--	35	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	36
--	37	SPACE	--	--	1	0.0 / 0.0			1	--	-- SPACE	38
--	39	SPACE	--	--	1		0.0 / 0.0		1	--	-- SPACE	40
--	41	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	42
	43					0.0 / 0.0			1	--	-- SPACE	44
--	45	SPD	--	30	3		0.0 / 0.0		1	--	-- SPACE	46
	47							0.0 / 0.0	1	--	-- SPACE	48
			Total Load:			11.7 kVA	10.6 kVA	7.3 kVA				
			Total Amps:			102 A	93 A	61 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	19.8 kVA	100.00%	19.8 kVA	
Miscellaneous	7.2 kVA	100.00%	7.2 kVA	**Total Conn. Load:** 29.7 kVA
Receptacles	2.7 kVA	100.00%	2.7 kVA	**Total Est. Demand:** 29.7 kVA
				Total Conn. Current: 82 A
				Total Est. Demand Current: 82 A

Notes:

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
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Branch Panel: EHK

Location: CHILLERS 1842 | **Supply From:** | **Mounting:** Surface
Volts: 277/480 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 35,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	SPACE	--	--	1	0.0 / 0.0			1	20	-- SPARE	2	--
--	3	SPACE	--	--	1		0.0 / 0.0		1	20	-- SPARE	4	--
--	5	SPACE	--	--	1			0.0 / 0.0	1	20	-- SPARE	6	--
--	7	SPACE	--	--	1	0.0 / 0.0			1	20	-- SPARE	8	--
--	9	SPACE	--	--	1		0.0 / 0.0		1	20	-- SPARE	10	--
--	11	SPACE	--	--	1			0.0 / 0.0	1	20	-- SPARE	12	--
--	13	SPACE	--	--	1	0.0 / 19.4						14	
--	15	SPACE	--	--	1		0.0 / 14.0		3	70	1-L PANEL ELK VIA TELK	16	*
--	17	SPACE	--	--	1			0.0 / 12.3				18	
--	19	SPACE	--	--	1	0.0 / 0.0						20	
--	21	SPACE	--	--	1		0.0 / 0.0		3	20	-- (E) TELK2	22	--
--	23	SPACE	--	--	1			0.0 / 0.0				24	
--	25	SPACE	--	--	1	0.0 / 0.0			1	--	-- SPACE	26	--
--	27	SPACE	--	--	1		0.0 / 0.0		1	--	-- SPACE	28	--
--	29	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	30	--
--	31	SPACE	--	--	1	0.0 / 0.0						32	
--	33	SPACE	--	--	1		0.0 / 0.0		3	30	-- (E) METER	34	--
--	35	SPACE	--	--	1			0.0 / 0.0				36	
	37					0.0 / 0.0						38	
--	39	MAIN CIRCUIT BREAKER	--	100	3		0.0 / 0.0		3	30	-- SPD	40	--
	41							0.0 / 0.0				42	
			Total Load:			19.4 kVA	14.0 kVA	12.3 kVA				
			Total Amps:			71 A	51 A	44 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment	41.7 kVA	65.00%	27.1 kVA	
Miscellaneous	4.0 kVA	100.00%	4.0 kVA	**Total Conn. Load:** 45.7 kVA
				Total Est. Demand: 31.1 kVA
				Total Conn. Current: 55 A
				Total Est. Demand Current: 37 A

Notes:
*** INDICATES NEW CIRCUIT BREAKER TO BE ADDED

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: ELK

Location: CHILLERS 1842 | **Supply From:** TELK | **Mounting:** Surface
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 22,000 | **Enclosure:** Type 1 | **Mains:** 150A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1	CLR 1816 DOOR HEATER/LIGHTS COOLER	#12	20	1	1.9 / 1.9			1	20	#12 FREZ 1815 DOOR HEATER/LIGHTS FREEZER	2	
	3	CLR 1816 PRESSURE RELIF PORT COOLER	#12	20	1		1.2 / 1.2		1	20	#12 FREZ 1815 PRESSURE RELIF PORT FREEZER	4	
	5	CLR 1816 TEMP. ALARM COOLER	#12	20	1			0.6 / 1.2	1	20	#12 FREZ 1815 PANIC ALARM BUTTON	6	
	7	FREZ 1815 TEMP. ALARM FREEZER	#12	20	1	0.6 / 1.2			1	20	#12 CLR 1816 PANIC ALARM BUTTON	8	
	9						5.0 / 1.0		1	20	#12 RM 1808 MILK COOLER J-BOX	10	
	11	E103 REFRIGERATION SYSTEM	#6	60	3			5.0 / 1.0	1	20	#12 RM 1808 MILK COOLER J-BOX	12	
	13					5.0 / 1.0			1	20	#12 RM 1808 MILK COOLER J-BOX	14	
	15	FREZ 1815 FREEZER COIL	#10	20	2		1.4 / 1.0		1	20	#12 RM 1808 MILK COOLER J-BOX	16	
	17							1.4 / 0.9	1	20	#12 RM 1809 REFRIGERATOR J-BOX	18	
	19	FREZ 1815 FREEZER COIL	#10	20	2	1.4 / 0.9			1	20	#12 RM 1809 REFRIGERATOR J-BOX	20	
	21						1.4 / 0.9		1	20	#12 RM 1809 REFRIGERATOR J-BOX	22	
	23	CLR 1816 COOLER COIL	#12	20	1			0.4 / 0.9	1	20	#12 RM 1809 REFRIGERATOR J-BOX	24	
	25	FREZ 1815 DRAIN LINE HEATER	#12	20	1	3.8 / 0.9			1	20	#12 RM 1809 REFRIGERATOR J-BOX	26	
--	27	SPARE	--	20	1		0.0 / 0.9		1	20	#12 RM 1809 REFRIGERATOR J-BOX	28	
--	29	SPARE	--	20	1			0.0 / 0.9	1	20	#12 RM 1809 REFRIGERATOR J-BOX	30	
--	31	SPACE	--	--	1	0.0 / 0.9			1	--	-- SPACE	32	
--	33	SPACE	--	--	1		0.0 / 0.0		1	--	-- SPACE	34	--
--	35	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	36	--
	37					0.0 / 0.0						38	
--	39	MAIN CIRCUIT BREAKER	--	100	3		0.0 / 0.0		3	30	-- (E) SPD	40	--
	41							0.0 / 0.0				42	
			Total Load:			19.4 kVA	14.0 kVA	12.3 kVA				
			Total Amps:			164 A	119 A	102 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment	41.7 kVA	65.00%	27.1 kVA	
Miscellaneous	4.0 kVA	100.00%	4.0 kVA	**Total Conn. Load:** 45.7 kVA
				Total Est. Demand: 31.1 kVA
				Total Conn. Current: 127 A
				Total Est. Demand Current: 86 A

Notes:

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
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Branch Panel: ELK2

Location: ELEC 1626 | **Supply From:** | **Mounting:** Surface
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	EXISTING LOAD	--	20	1	0.0 / 1.1			2	30	#10 L6-30R IDF RACK 1522B	2	*
--	3	EXISTING LOAD	--	20	1		0.0 / 1.1					4	*
--	5	EXISTING LOAD	--	20	1			0.0 / 0.2	1	20	#12 CONDENSATE PUMP OFFICE 1913	6	
--	7	EXISTING LOAD	--	20	1	0.0 / 0.4			1	20	#12 IDF CONDENSATE PUMPS	8	
--	9	EXISTING LOAD	--	20	1		0.0 / 1.1					10	*
*	11	CONDENSATE PUMP IDF 1304	#12	20	1			0.5 / 1.1	2	20	#10 L6-30R IDF RACK 1412	12	*
*	13	CONDENSATE PUMP HEAD IN 1061	#12	20	1	0.2 / 0.3			1	20	#12 ACP IN IDF 1522B	14	*
--	15	SPACE	--	--	1		0.0 / 1.1		2	30	#10 L6-30R IDF RACK IDF 1412	16	*
--	17	SPACE	--	--	1			0.0 / 1.1				18	
--	19	SPACE	--	--	1	0.0 / 0.0			1	--	-- SPACE	20	--
--	21	SPACE	--	--	1		0.0 / 0.0		1	--	-- SPACE	22	--
--	23	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	24	--
--	25	SPACE	--	--	1	0.0 / 0.0						26	
--	27	SPACE	--	--	1		0.0 / 0.0		3	30	-- EXISTING SPD	28	--
--	29	SPACE	--	--	1			0.0 / 0.0				30	
			Total Load:			1.9 kVA	3.2 kVA	2.8 kVA				
			Total Amps:			16 A	28 A	25 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Miscellaneous	6.7 kVA	100.00%	6.7 kVA	
Receptacles	1.3 kVA	100.00%	1.3 kVA	**Total Conn. Load:** 7.9 kVA
				Total Est. Demand: 7.9 kVA
				Total Conn. Current: 22 A
				Total Est. Demand Current: 22 A

Notes:
*** INDICATES NEW BEAKER TO BE ADDED, MATCH EXISTING KAIC RATING

Abbreviations:
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CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 2	02.06.2025

Director MS	Drawn By SA
Designer SA	Quality Control JZ
Proj. Arch. MS	

PROJECT NO.
23-148.00

SHEET TITLE
PANEL SCHEDULES

SHEET NO.
E5.02

2024 Cy-Creek HS Renovation

Branch Panel: 1BLL

Location: MECH 1328 | **Supply From:** | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 1 | **Mains:** 100A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1	COPIER REC.	#12	20 1	0.2 / 0.2			1	20 #12	PLOTTER REC.	2	
	3	CORRIDOR TV	#12	20 1		0.2 / 0.9		1	20 #12	Receptacles DIGITAL ART 1224	4	
	5	Receptacles Room 1134, 1135	#12	20 1			0.9 / 0.7	1	20 #12	QUAD DIGITAL ART1224	6	
	7	Receptacles ART ROOM 1223	#12	20 1	0.7 / 0.7			1	20 #12	QUAD DIGITAL ART1224	8	
	9	CORD REEL DIGITAL ART 1224	#12	20 1		0.4 / 0.5		1	20 #12	CORD REEL DIGITAL ART 1224	10	
	11	CORD REEL DIGITAL ART 1224	#12	20 1			0.4 / 0.4	1	20 #12	CORD REEL ART ROOM 1223	12	
	13	CORD REEL ART ROOM 1223	#12	20 1	0.5 / 1.0			1	20 #12	PS SPEAKER IN ART ROOMS1224, 1223	14	
	15	CORRIDOR RECPT.	#12	20 1		0.5 / 0.7		1	20 #12	QUAD DIGITAL ART 1224	16	
	17	QUAD DIGITAL ART 1224	#12	20 1			0.7 / 0.5	1	20 #10	TENNI COURT CABINET	18	
	19	EXTERIOR RECEPTACLE	#12	20 1	0.2 / 0.7			1	20 #12	TEACHERS QUAD ART ROOM 1223	20	
	21	TRAP PRIMER	#12	20 1		0.5 / 0.7		1	20 #12	TEACHERS QUAD DIGITAL ART STOR 1224	22	
--	23	SPARE	--	20 1			0.0 / 0.2	1	20 #12	EF-B2 ART ROOM	24	
--	25	SPARE	--	20 1	0.0 / 0.4			1	20 #12	SMARTBOARDS AT ART ROOMS 1224, 1223	26	
--	27	SPARE	--	20 1		0.0 / 0.0		1	20 --	SPARE	28	
--	29	SPACE	--	-- 1			0.0 / 0.0	1	20 --	SPARE	30	--
--	31	SPACE	--	-- 1	0.0 / 0.0			1	20 --	SPARE	32	--
--	33	SPACE	--	-- 1		0.0 / 0.0		1	-- --	SPACE	34	--
--	35	SPACE	--	-- 1			0.0 / 0.0	1	-- --	SPACE	36	--
	37				0.0 / 0.0			1	-- --	SPACE	38	--
--	39	SPD	--	30 3		0.0 / 0.0		1	-- --	SPACE	40	--
	41						0.0 / 0.0	1	-- --	SPACE	42	--
		Total Load:			4.6 kVA	4.5 kVA	3.7 kVA					
		Total Amps:			39 A	38 A	31 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	0.2 kVA	100.00%	0.2 kVA		
Miscellaneous	2.0 kVA	100.00%	2.0 kVA	**Total Conn. Load:**	12.8 kVA
Receptacles	10.6 kVA	97.08%	10.3 kVA	**Total Est. Demand:**	12.5 kVA
				Total Conn. Current:	36 A
				Total Est. Demand Current:	35 A

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: 1BH

Location: ELECT 1226 | **Supply From:** | **Mounting:** Surface | **Volts:** 277/480 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 65,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	EXISTING LOAD	--	20 1	0.0 / 0.0						2	
--	3	EXISTING LOAD	--	20 1		0.0 / 0.0					4	
--	5	EXISTING LOAD	--	20 1			0.0 / 0.0				6	
--	7	EXISTING LOAD	--	20 1	0.0 / 0.0						8	
--	9	EXISTING LOAD	--	20 1		0.0 / 0.0					10	
*	11	ART ROOM Lighting	#12	20 1			1.3 / 0.0				12	
*	13	CORRIDOR Lighting	#12	20 1	0.2 / 0.0						14	
	15					2.1 / 0.0					16	
*	17	AHU-19	#10	20 3			2.1 / 0.0				18	
	19				2.1 / 0.0						20	
	21					0.6 / 0.0					22	
*	23	SF-B1 FAN	#10	20 3			0.6 / 0.0				24	
	25				0.6 / 0.0						26	
	27					0.7 / 0.0		1	-- --	SPACE	28	--
*	29	TENNIS COURT LIGHTING	#6	80 3			0.7 / 0.0	1	-- --	SPACE	30	--
	31				0.7 / 0.0			1	-- --	SPACE	32	--
--	33	SPACE	--	-- 1		0.0 / 0.0		1	-- --	SPACE	34	--
--	35	SPACE	--	-- 1			0.0 / 0.0	1	-- --	SPACE	36	--
--	37	SPACE	--	-- 1	0.0 / 0.0			1	-- --	SPACE	38	--
--	39	SPACE	--	-- 1		0.0 / 0.0		1	-- --	SPACE	40	--
--	41	SPACE	--	-- 1			0.0 / 0.0	1	-- --	SPACE	42	--
		Total Load:			3.5 kVA	3.4 kVA	4.6 kVA					
		Total Amps:			13 A	12 A	17 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	8.1 kVA	100.00%	8.1 kVA		
Lighting	1.5 kVA	125.00%	1.8 kVA	**Total Conn. Load:**	11.5 kVA
Other	2.0 kVA	100.00%	2.0 kVA	**Total Est. Demand:**	11.9 kVA
				Total Conn. Current:	14 A
				Total Est. Demand Current:	14 A

Notes:
*** INDICATES NEW CIRCUIT BREAKER

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: 1HAG

Location: WELDING 1741 | **Supply From:** | **Mounting:** Surface | **Volts:** 277/480 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 18,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1				0.0 / 0.0			1	20 --	SPARE	2	--
--	3	EXISTING LOAD	--	100 3		0.0 / 0.0		1	20 --	SPARE	4	--
	5						0.0 / 0.0	1	20 --	SPARE	6	--
--	7	SPACE	--	-- 1	0.0 / 2.0						8	
	9					0.0 / 2.0		3	20 #12	EF-14R	10	*
--	11	SPARE	--	40 3			0.0 / 2.0				12	
	13				0.0 / 0.0			1	-- --	SPACE	14	--
	15					0.0 / 0.0		1	-- --	SPACE	16	--
--	17	SPARE	--	60 3			0.0 / 0.0	1	-- --	SPACE	18	--
	19				0.0 / 0.0			1	20 --	SPARE	20	--
--	21	SPARE	--	20 2		0.0 / 0.0		1	-- --	SPACE	22	--
	23						0.0 / 0.0	1	-- --	SPACE	24	--
	25				20.0 / 0.0			1	-- --	SPACE	26	--
*	27	TLAG2	#4	70 3		15.0 / 0.0		1	20 --	SPARE	28	--
	29						15.0 / 0.0	1	-- --	SPACE	30	--
		Total Load:			22.0 kVA	17.0 kVA	17.0 kVA					
		Total Amps:			80 A	61 A	61 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6.1 kVA	100.00%	6.1 kVA		
Miscellaneous	50.0 kVA	100.00%	50.0 kVA	**Total Conn. Load:**	56.1 kVA
				Total Est. Demand:	56.1 kVA
				Total Conn. Current:	67 A
				Total Est. Demand Current:	67 A

Notes:
*** INDICATES NEW BREAKER TO BE ADDED, MATCH KAIC RATING

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: 1BHE

Location: GIRLS 1263 | **Supply From:** | **Mounting:** Recessed | **Volts:** 277/480 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 65,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING EMERGENCY...

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	EXISTING LOAD	--	20 1	0.0 / 0.4			1	20 #12	EM SECTION B Lighting	2	
--	3	EXISTING LOAD	--	20 1		0.0 / 0.0					4	--
--	5	EXISTING LOAD	--	20 1			0.0 / 0.0	1	-- --	SPACE	6	--
--	7	SPACE	--	-- 1	0.0 / 0.0			1	-- --	SPACE	8	--
--	9	SPACE	--	-- 1		0.0 / 0.0		1	-- --	SPACE	10	--
--	11	SPACE	--	-- 1			0.0 / 0.0	1	-- --	SPACE	12	--
--	13	SPACE	--	-- 1	0.0 / 0.0						14	
--	15	SPACE	--	-- 1		0.0 / 0.0		3	20 --	XFMR T1BLE	16	--
--	17	SPACE	--	-- 1			0.0 / 0.0				18	
		Total Load:			0.4 kVA	0.0 kVA	0.0 kVA					
		Total Amps:			2 A	0 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0.4 kVA	125.00%	0.5 kVA		
				Total Conn. Load:	0.4 kVA
				Total Est. Demand:	0.5 kVA
				Total Conn. Current:	1 A
				Total Est. Demand Current:	1 A

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: LAG2

Location: WELDING 1741 | **Supply From:** TLAG2 | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 1 | **Mains:** 150A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1	Miscellaneous WELDING-1 1741-1		70 2	5.0 / 5.0			2	70	Miscellaneous WELDING-1 1741-1	2	
	3					5.0 / 5.0					4	
	5	Miscellaneous WELDING-1 1741-1		70 2			5.0 / 5.0	2	70	Miscellaneous WELDING-1 1741-1	6	
	7				5.0 / 5.0						8	
	9	Miscellaneous WELDING-1 1741-1		70 2		5.0 / 0.0		2	20 --	SPARE	10	
	11						5.0 / 0.0				12	
--	13	SPARE	--	20 1	0.0 / 0.0			1	-- --	SPACE	14	--
--	15	SPARE	--	20 1		0.0 / 0.0					16	
--	17	SPARE	--	20 1			0.0 / 0.0	1	-- --	SPACE	18	--
--	19	SPACE	--	-- 1	0.0 / 0.0			1	-- --	SPACE	20	--
--	21	SPACE	--	-- 1		0.0 / 0.0		1	-- --	SPACE	22	--
--	23	SPACE	--	-- 1			0.0 / 0.0	1	-- --	SPACE	24	--
--	25	SPACE	--	-- 1	0.0 / 0.0						26	
--	27	SPACE	--	-- 1		0.0 / 0.0		3	30 --	SPD	28	--
--	29	SPACE	--	-- 1			0.0 / 0.0				30	
		Total Load:			20.0 kVA	15.0 kVA	15.0 kVA					
		Total Amps:			167 A	125 A	125 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Miscellaneous	50.0 kVA	100.00%	50.0 kVA		
				Total Conn. Load:	50.0 kVA
				Total Est. Demand:	50.0 kVA
				Total Conn. Current:	139 A
				Total Est. Demand Current:	139 A

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: 1LAG

Location: WELDING 1741 | **Supply From:** | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 1 | **Mains:** 400A MCB

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1										2	
	3										4	
	5										6	
	7										8	
	9										10	
	11										12	
	13										14	
	15										16	
	17										18	
	19										20	
	21										22	
	23										24	
	25										26	
	27										28	
	29										30	
	31										32	
	33										34	
	35										36	
	37										38	
	39										40	
	41										42	
	43										44	
	45										46	
	47										48	
	49										50	
	51										52	
	53										54	
	55										56	
	57										58	
	59										60	
	61										62	
	63										64	
	65						0.0 / 5.5	2	70 #1	WELDER -1 1741-1	66	*
	67				0.0 / 5.5						68	
	69										70	
	71										72	
	73										74	
	75										76	
	77										78	
	79										80	
	81										82	
	83										84	
		Total Load:			5.5 kVA	0.0 kVA	5.5 kVA					
		Total Amps:			53 A	0 A	53 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Miscellaneous	11.0 kVA	100.00%	11.0 kVA		
				Total Conn. Load:	11.0 kVA
				Total Est. Demand:	11.0 kVA
				Total Conn. Current:	31 A
				Total Est. Demand Current:	31 A

Notes:
*** INDICATES NEW BREAKER TO BE ADDED, MATCH KAIC RATING

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

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1	Addendum 2	02.06.2025

Director	Drawn By
Approver	SA
Designer	Quality Control
SA	
Proj. Arch.	
MS	

PROJECT NO.

23-148.00

SHEET TITLE

PANEL SCHEDULES

SHEET NO.

E5.03

2024 Cy-Creek HS Renovation

Branch Panel: HK-N

NEW PANEL

Location: MECH 1819 | **Supply From:** HMR | **Mounting:** SURFACE | **Volts:** 277/480 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 18,000 | **Enclosure:** Type 1 | **Mains:** 125A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1					3.9 / 0.5			2	20	#12 SF-2L MECH/STOR 1835A	2	
	3	AHU-20	#10	30	3		3.9 / 0.5					4	
	5							3.9 / 0.0	1	20	-- SPARE	6	
	7	CVB-20-1, 20-2	#12	20	1	1.0 / 0.0			1	20	-- SPARE	8	
	9	Lighting Room 1833, 1831	#12	20	1		0.7 / 0.0		1	20	-- SPARE	10	
	11	Lighting Room 1837, 1169, 1819	#12	20	1			0.4 / 0.0	1	20	-- SPARE	12	
	13	SPARE	--	20	1	0.0 / 0.0			1	--	-- SPACE	14	
	15	SPARE	--	20	1		0.0 / 0.0		1	--	-- SPACE	16	
	17	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	18	
	19	SPACE	--	--	1	0.0 / 0.0			1	--	-- SPACE	20	
	21	SPACE	--	--	1		0.0 / 0.0		1	--	-- SPACE	22	
	23	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	24	
	25					0.0 / 0.0			1	--	-- SPACE	26	
	27	SPD	--	30	3		0.0 / 0.0		1	--	-- SPACE	28	
	29							0.0 / 0.0	1	--	-- SPACE	30	
		Total Load:				5.4 kVA	5.0 kVA	4.3 kVA					
		Total Amps:				20 A	19 A	16 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	13.6 kVA	100.00%	13.6 kVA		
Lighting	1.1 kVA	125.00%	1.3 kVA	**Total Conn. Load:**	14.7 kVA
Receptacles	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand:**	15.0 kVA
Power	0.0 kVA	0.00%	0.0 kVA	**Total Conn. Current:**	18 A
				Total Est. Demand Current:	18 A

Existing Loads	Existing Connected	Existing Demand...	Existing Demand
Existing Load	0.0 kVA	0.00%	0.0 kVA

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE
E - EXISTING LOAD

Branch Panel: 1RHE

Location: ELECT 1731A | **Supply From:** EMDP | **Mounting:** SURFACE | **Volts:** 277/480 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 18,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	SPARE	--	20	1	0.0 / 0.0						2	
--	3	SPARE	--	20	1		0.0 / 0.0		3	30	-- (E) PANEL 1QHE	4	--
--	5	SPARE	--	20	1			0.0 / 0.0				6	
--	7	SPARE	--	20	1	0.0 / 0.0			1	20	-- SPARE	8	--
--	9	SPARE	--	20	1		0.0 / 0.0		1	20	-- SPARE	10	--
--	11	SPARE	--	20	1			0.0 / 0.0	1	20	-- SPARE	12	--
--	13	SPARE	--	20	1	0.0 / 0.0						14	
--	15	SPARE	--	20	1		0.0 / 0.0		3	90	-- (E) PANEL 1HHE	16	--
--	17	SPACE	--	--	1			0.0 / 0.0				18	
	19					0.0 / 0.0						20	
	21	(E) PANEL 1RLE VIA T1RLE	(E)	20	3		0.0 / 0.0		3	30	-- (E) PANEL 2QHE	22	--
	23							0.0 / 0.0				24	
	25					0.0 / 0.0						26	
--	27	(E) PANEL 1RHAE	--	20	3		0.0 / 0.0		3	30	-- (E) PANEL 2HHE	28	--
	29							0.0 / 0.0				30	
	31					0.0 / 0.0						32	
--	33	(E) PANEL 2PHE	--	40	3		0.0 / 0.0		3	30	-- (E) THE	34	--
	35							0.0 / 0.0				36	
*	37	Lighting Room 1837, 1839, 1833, 1169, 1831, 1819	#12	20	1	0.4 / 0.0			1	--	-- SPACE	38	--
*	39	EXTERIOR WALL PACKS		20	1		0.1 / 0.0		1	--	-- SPACE	40	--
--	41	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	42	--
		Total Load:				0.4 kVA	0.1 kVA	0.0 kVA					
		Total Amps:				1 A	1 A	0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0.5 kVA	125.00%	0.6 kVA		
				Total Conn. Load:	0.5 kVA
				Total Est. Demand:	0.6 kVA
				Total Conn. Current:	1 A
				Total Est. Demand Current:	1 A

Notes:
*** INDICATES NEW CIRCUIT BREAKER

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: LF

Location: ELECT 1844 | **Supply From:** | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	EXISTING LOAD	--	20	1	0.0 / 0.0			1	20	-- EXISTING LOAD	2	--
--	3	EXISTING LOAD	--	20	1		0.0 / 0.0		1	20	-- EXISTING LOAD	4	--
--	5	EXISTING LOAD	--	20	1			0.0 / 0.0	1	20	-- EXISTING LOAD	6	--
--	7	EXISTING LOAD	--	20	1	0.0 / 0.0			1	20	-- EXISTING LOAD	8	--
--	9	EXISTING LOAD	--	20	1		0.0 / 0.0		1	20	-- EXISTING LOAD	10	--
--	11	EXISTING LOAD	--	20	1			0.0 / 0.0	1	20	-- EXISTING LOAD	12	--
--	13	EXISTING LOAD	--	20	1	0.0 / 0.0			1	--	-- SPACE	14	--
--	15	EXISTING LOAD	--	20	1		0.0 / 0.0		1	--	-- SPACE	16	--
--	17	EXISTING LOAD	--	20	1			0.0 / 0.0	1	--	-- SPACE	18	--
--	19	EXISTING LOAD	--	20	1	0.0 / 0.0			1	--	-- SPACE	20	--
--	21	EXISTING LOAD	--	20	1		0.0 / 0.0		1	--	-- SPACE	22	--
--	23	SPAREEXISTING LOAD	--	20	1			0.0 / 0.0	1	--	-- SPACE	24	--
	25	EXISTING LOAD	--	20	2	0.0 / 0.5			1	20	#12 CHILLER HEAT TRACE & CONTROLS	26	
	27						0.0 / 0.5		1	20	#12 REFRIGERANT MONITOR SYSTEM	28	*
--	29	SPARE	--	20	1			0.0 / 1.0	1	20	#12 CO MONITOR SYSTEM CHILLERS 1842	30	*
--	31	SPARE	--	20	1	0.0 / 0.6			1	20	#12 GWH-1	32	*
--	33	SPARE	--	20	1		0.0 / 1.5		1	20	#12 GWH-2, GWH-3	34	*
--	35	SPARE	--	20	1			0.0 / 0.5	1	20	#12 WATER SOFTNER WS-1	36	*
--	37	SPARE	--	20	1	0.0 / 0.0						38	
--	39	SPARE	--	20	1		0.0 / 0.0		3	20	-- SPD	40	--
--	41	SPARE	--	20	1			0.0 / 0.0				42	
		Total Load:				1.1 kVA	2.0 kVA	1.5 kVA					
		Total Amps:				9 A	17 A	13 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Miscellaneous	4.6 kVA	100.00%	4.6 kVA		
				Total Conn. Load:	4.6 kVA
				Total Est. Demand:	4.6 kVA
				Total Conn. Current:	13 A
				Total Est. Demand Current:	13 A

Notes:
*** INDICATES NEW CIRCUIT BREAKER

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: GH2

Location: GREENHOUSE BUILDING | **Supply From:** 2QL | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 3RXSS | **Mains:** 100A

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1	FANS	#12	20	1	1.0 / 1.1			1	20	#12 Receptacles GREEN HOUSE GH-1000	2	
	3	FANS	#12	20	1		1.0 / 0.9		1	20	#12 Receptacles GREEN HOUSE GH-1000	4	
	5	Receptacles GREEN HOUSE GH-1000	#12	20	1			0.9 / 0.2	1	20	#12 EVAPORATIVE COOLER	6	
	7	THERMOSTAT	#12	20	1	0.5 / 0.2			1	20	#12 VENT CONTROLS	8	
G	9	IDF RACK POWER	#10	30	2		1.6 / 0.4		1	20	#12 Receptacles GREEN HOUSE GH-1000	10	
	11							1.6 / 0.2	1	20	#12 IRRIGATION CONTROLLER	12	
	13	ENVIRONMENTAL CONNECTION	#12	20	1	0.2 / 0.0			1	20	#12 Lighting	14	
	15	UNIT HEATER	#12	20	1		1.5 / 0.5		1	20	#12 HVH-1	16	
	17	IDF RACK	#12	20	1			0.4 / 0.5	1	20	#12 TRAP PRIMER	18	
	19	Receptacles GREEN HOUSE GH-1000		20	1	0.4 / 0.0			1	20	-- SPARE	20	--
--	21	SPARE	--	20	1		0.0 / 0.0		1	20	-- SPARE	22	--
--	23	SPARE	--	20	1			0.0 / 0.0	1	20	-- SPARE	24	--
--	25	SPACE	--	--	1	0.0 / 0.0			1	20	-- SPARE	26	--
--	27	SPACE	--	--	1		0.0 / 0.0		1	--	-- SPACE	28	--
--	29	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	30	--
		Total Load:				3.3 kVA	5.8 kVA	3.7 kVA					
		Total Amps:				28 A	49 A	31 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Heating	1.5 kVA	100.00%	1.5 kVA		
Lighting	0.0 kVA	0.00%	0.0 kVA	**Total Conn. Load:**	12.8 kVA
Miscellaneous	6.6 kVA	100.00%	6.6 kVA	**Total Est. Demand:**	12.8 kVA
Receptacles	4.7 kVA	100.00%	4.7 kVA	**Total Conn. Current:**	36 A
				Total Est. Demand Current:	36 A

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
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Branch Panel: 1BLE

Location: ELECT 1226 | **Supply From:** | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 1 | **Mains:** --

THIS IS AN EXISTING PANEL

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	EXISTING CIRCUIT	--	20	1	0.0 / 0.0			1	20	-- EXISTING CIRCUIT	2	--
--	3	EXISTING CIRCUIT	--	20	1		0.0 / 0.0		1	20	-- EXISTING CIRCUIT	4	--
--	5	EXISTING CIRCUIT	--	20	1			0.0 / 0.0	1	20	-- EXISTING CIRCUIT	6	--
--	7	EXISTING CIRCUIT	--	20	1	0.0 / 0.0			1	20	-- EXISTING CIRCUIT	8	--
--	9	EXISTING CIRCUIT	--	20	1		0.0 / 0.0		1	20	-- EXISTING CIRCUIT	10	--
*, LF	11	Hand Dryer GIRLS 1263	#10	30	1			1.5 / 0.0	1	20	-- EXISTING CIRCUIT	12	--
--	13	SPACE	--	--	1	0.0 / 0.0			1	20	-- EXISTING CIRCUIT	14	--
--	15	SPACE	--	--	1		0.0 / 0.0		1	--	-- SPACE	16	--
--	17	SPACE	--	--	1			0.0 / 0.0	1	--	-- SPACE	18	--
		Total Load:				0.0 kVA	0.0 kVA	1.5 kVA					
		Total Amps:				0 A	0 A	13 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Miscellaneous	1.5 kVA	100.00%	1.5 kVA		
				Total Conn. Load:	1.5 kVA
				Total Est. Demand:	1.5 kVA
				Total Conn. Current:	4 A
				Total Est. Demand Current:	4 A

Notes:
** - INDICATES NEW CIRCUIT BREAKER

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
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Branch Panel: PB

Location: PRESSBOX PB-2000 | **Supply From:** LAS | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 10,000 | **Enclosure:** Type 1 | **Mains:** 50A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1	EXTERIOR RECEPTACLE	#12	20	1	0.4 / 0.2			1	20	#12 Lighting	2	
	3	Receptacles PRESSBOX PB-2000	#12	20	1		0.4 / 0.5		1	20	#12 AV RACK	4	
	5	Receptacles STORAGE PB-1000	#12	20	1			0.4 / 1.3	2	20	#12 CU-15	6	
	7	Lighting STORAGE PB-1000	#12	20	1	0.2 / 1.3						8	
	9	IDF RACK	#12	20	1		0.5 / 0.5		1	20	#12 Receptacles PRESSBOX PB-2000	10	
--	11	SPARE	--	20	1			0.0 / 0.0	1	--	-- SPACE	12	--
--	13	SPARE	--	20	1	0.0 / 0.0			1	--	-- SPACE	14	--
--	15	SPARE	--	20	1		0.0 / 0.0		1	--	-- SPACE	16	--
--	17	SPARE	--	20	1			0.0 / 0.0	1	--	-- SPACE	18	--
--	19	SPARE	--	20	1	0.0 / 0.0			1	--	-- SPACE	20	--
--	21	SPARE	--	20	1		0.0 / 0.0		1	--	-- SPACE	22	--
--	23	SPARE	--	20	1			0.0 / 0.0	1	--	-- SPACE	24	--
	25					0.0 / 0.0			1	--	-- SPACE	26	--
--	27	SPDL	--	30	3		0.0 / 0.0		1	--	-- SPACE	28	--
	29							0.0 / 0.0	1	--	-- SPACE	30	--
		Total Load:				1.9 kVA	1.9 kVA	1.6 kVA					
		Total Amps:				16 A	16 A	13 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0.3 kVA	125.00%	0.4 kVA		
Miscellaneous	3.5 kVA	100.00%	3.5 kVA	**Total Conn. Load:**	5.4 kVA
Receptacles	1.6 kVA	100.00%	1.6 kVA	**Total Est. Demand:**	5.5 kVA
				Total Conn. Current:	15 A
				Total Est. Demand Current:	15 A

Notes:

Abbrevations:
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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05939-00

CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director MS	Drawn By SA
Designer SA	Quality Control JZ
Proj. Arch. MS	

PROJECT NO.

23-148.00

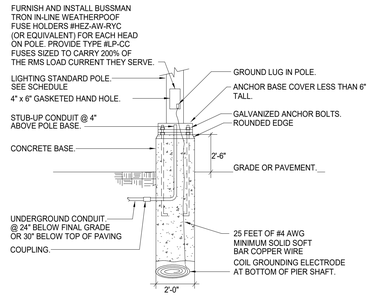
SHEET TITLE

PANEL SCHEDULES

SHEET NO.

E5.05

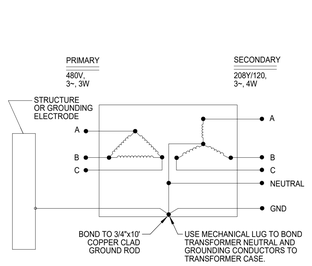
2024 Cy-Creek HS Renovation



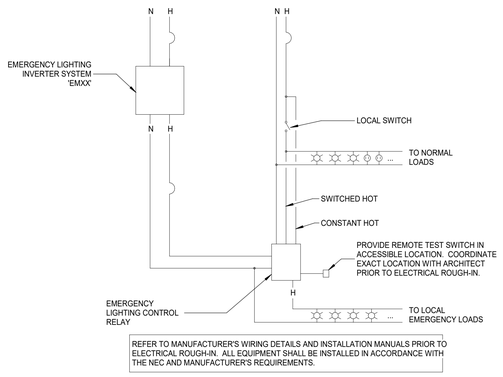
NOTE:

COORDINATE WITH ARCHITECT/STRUCTURAL ENGINEER FOR POLE BASE CONCRETE WORK.

10 ELECTRICAL REQUIREMENTS AT POLE BASE
Scale: NOT TO SCALE

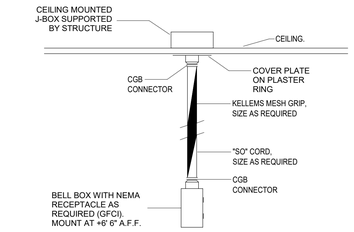


9 GROUNDING FOR TRANSFORMERS
Scale: NOT TO SCALE



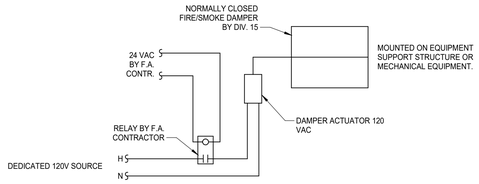
REFER TO MANUFACTURER'S WIRING DETAILS AND INSTALLATION MANUALS PRIOR TO ELECTRICAL ROUGH-IN. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC AND MANUFACTURER'S REQUIREMENTS.

8 EMERGENCY LIGHTING CONTROL RELAY
Scale: NOT TO SCALE

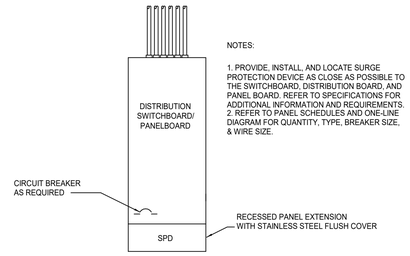


11 DROP CORD RECEPTACLE
Scale: N.T.S.

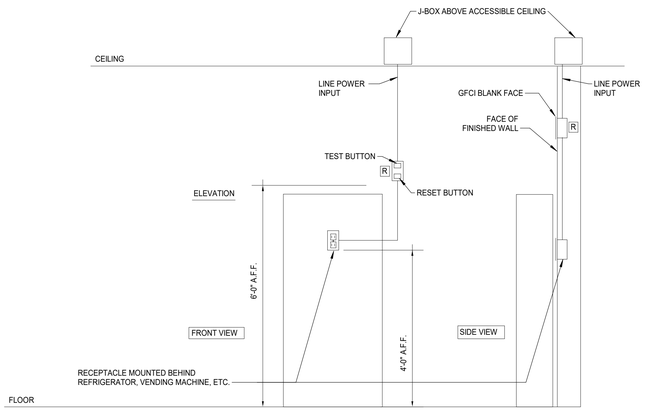
NOTE: PROVIDE A 120V CIRCUIT TO ALL FIRE/SMOKE DAMPERS PROVIDED BY MECHANICAL. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS. ELECTRICAL SHALL WIRE THROUGH RELAYS PROVIDED BY FIRE ALARM CONTRACTOR. CONNECT DAMPER TO NEAREST 120V CIRCUIT NOT TO EXCEED 16A.



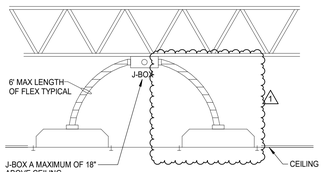
7 FIRE / SMOKE DAMPER DETAIL
Scale: 1 1/2" = 1'-0"



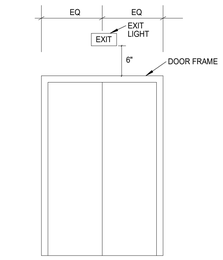
6 RECESSED SURGE PROTECTION DEVICE DETAIL
Scale: NOT TO SCALE



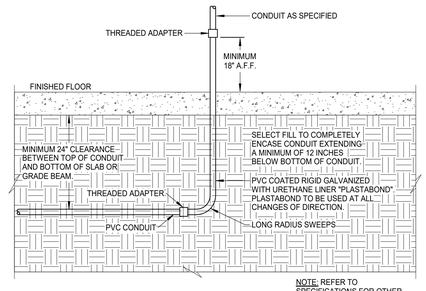
5 GFCI REQUIRED EQUIPMENT DETAIL
Scale: NOT TO SCALE



4 TYPICAL LIGHTING FIXTURE WIRING DETAIL
Scale: NOT TO SCALE

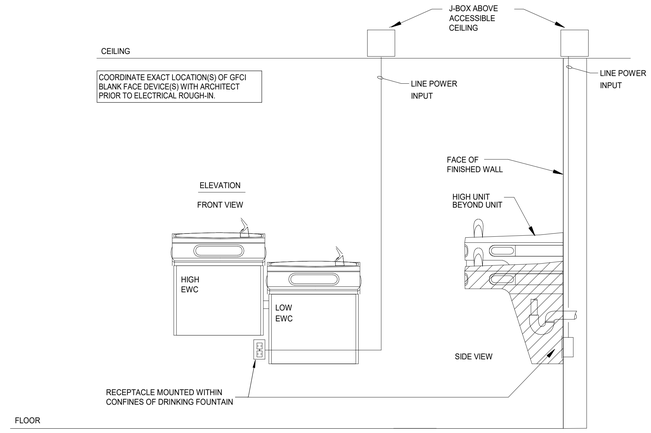


3 TYPICAL EXIT SIGN LOCATION
Scale: NOT TO SCALE



NOTE: REFER TO SPECIFICATIONS FOR OTHER DEPTH REQUIREMENTS.

2 CONDUIT BELOW BUILDING SLAB
Scale: NOT TO SCALE



1 ELECTRICAL REQUIREMENTS AT WATER FOUNTAIN
Scale: NOT TO SCALE

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Salas O'Brien Registration: F-4111

Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS
80219
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ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director MS	Drawn By SA
Designer SA	Quality Control JZ
Proj. Arch. MS	

PROJECT NO.

23-148.00

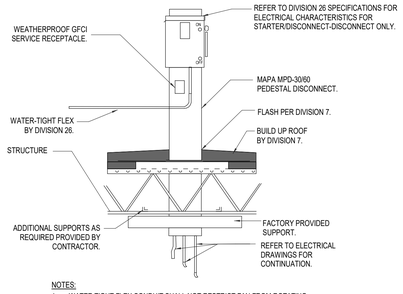
SHEET TITLE

ELECTRICAL DETAILS

SHEET NO.

E6.01

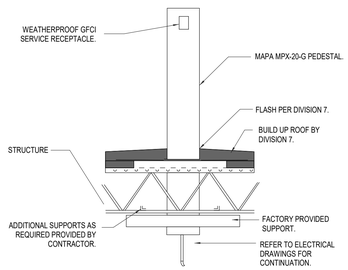
2024 Cy-Creek HS Renovation



NOTES:

1. WATER TIGHT FLEX CONDUIT SHALL NOT RESTRICT FAN FROM ROTATING ON HINGE SUB-BASE FOR SERVICE TO DAMPERS AND DUCT CONNECTION. REFER TO DIVISION 26.

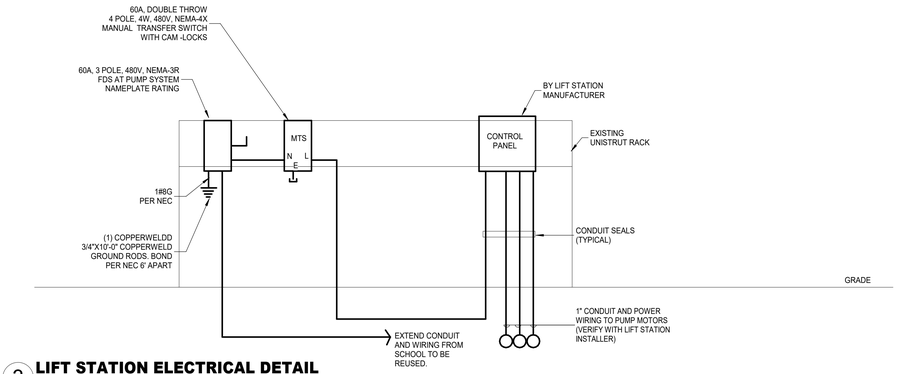
PREDESTAL MOUNT DISCONNECT/RECEPTACLE



PREDESTAL MOUNT ROOF RECEPTACLE

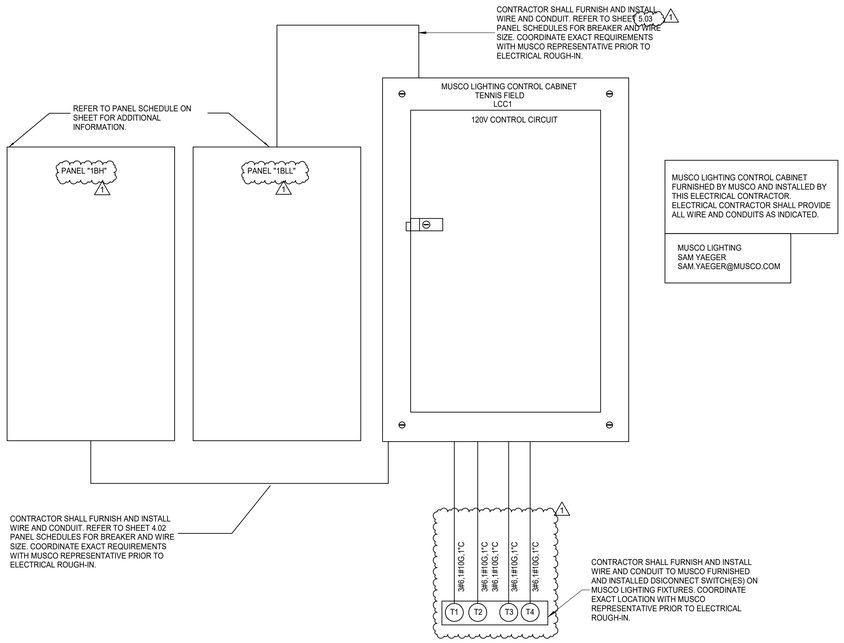
6 ROOF DISCONNECT & RECEPT DETAIL

Scale: NOT TO SCALE



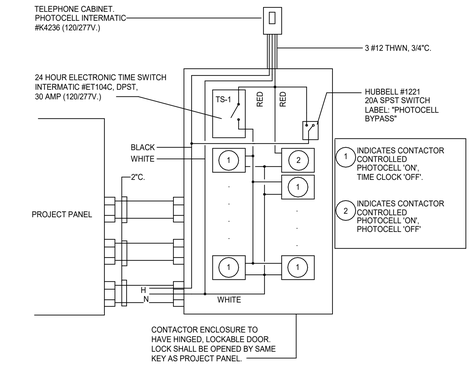
3 LIFT STATION ELECTRICAL DETAIL

Scale: NOT TO SCALE



5 MUSCO LIGHTING CABINET DETAIL

Scale: 12" = 1'-0"



2 TC PHOTOCELL

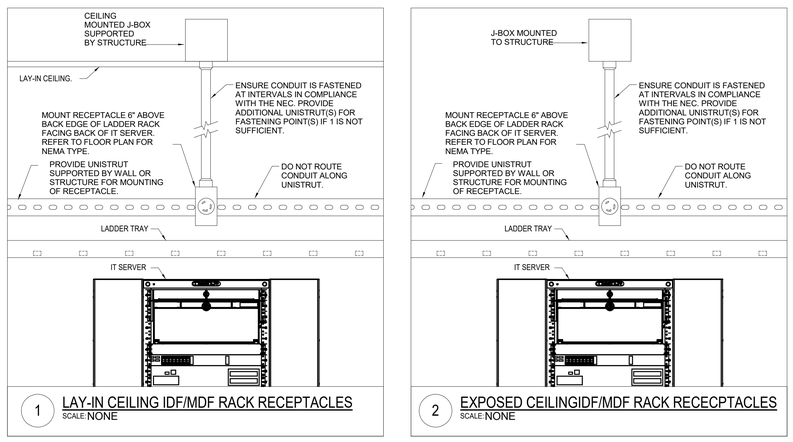
Scale: N.T.S.

NOTES:

1. ELECTRICAL, MECHANICAL, AND BMCS CONTRACTORS MUST COORDINATE ALL DIVISION 26 REQUIREMENTS.
2. REFER TO MECHANICAL DRAWINGS FOR ALL BMCS SENSOR LOCATIONS.
3. ALL CONDUIT SYSTEMS AND BACK-BOXES SHALL BE PROVIDED BY DIVISION 26.
4. ALL BMCS SENSORS AND ASSOCIATED WIRING SHALL BE PROVIDED BY BMCS CONTRACTOR.

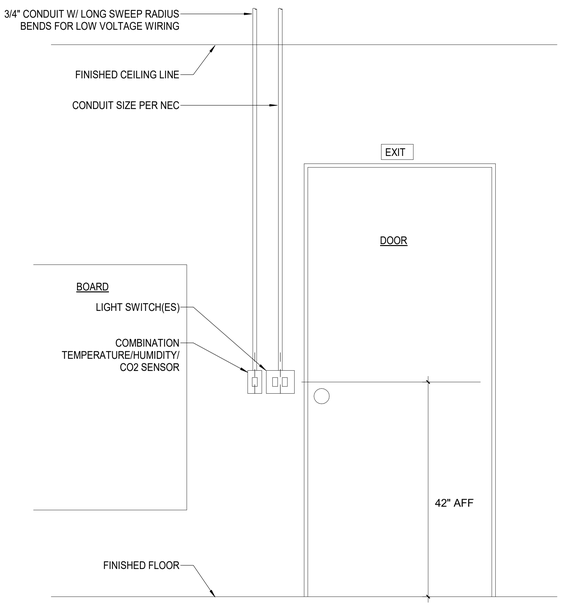
FOR IDFS WITH LAY-IN CEILINGS

FOR IDFS WITH EXPOSED CEILINGS



4 DATA RACK OUTLET DETAIL

Scale: NOT TO SCALE



1 TYPICAL DOOR ROUGH-IN DETAIL

Scale: N.T.S.

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2024 Cy-Creek HS Renovation

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Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS 80219 LICENSED 02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

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1	Addendum 2	02.06.2025

Director MS	Drawn By SA
Designer SA	Quality Control JZ
Proj. Arch. MS	

PROJECT NO.

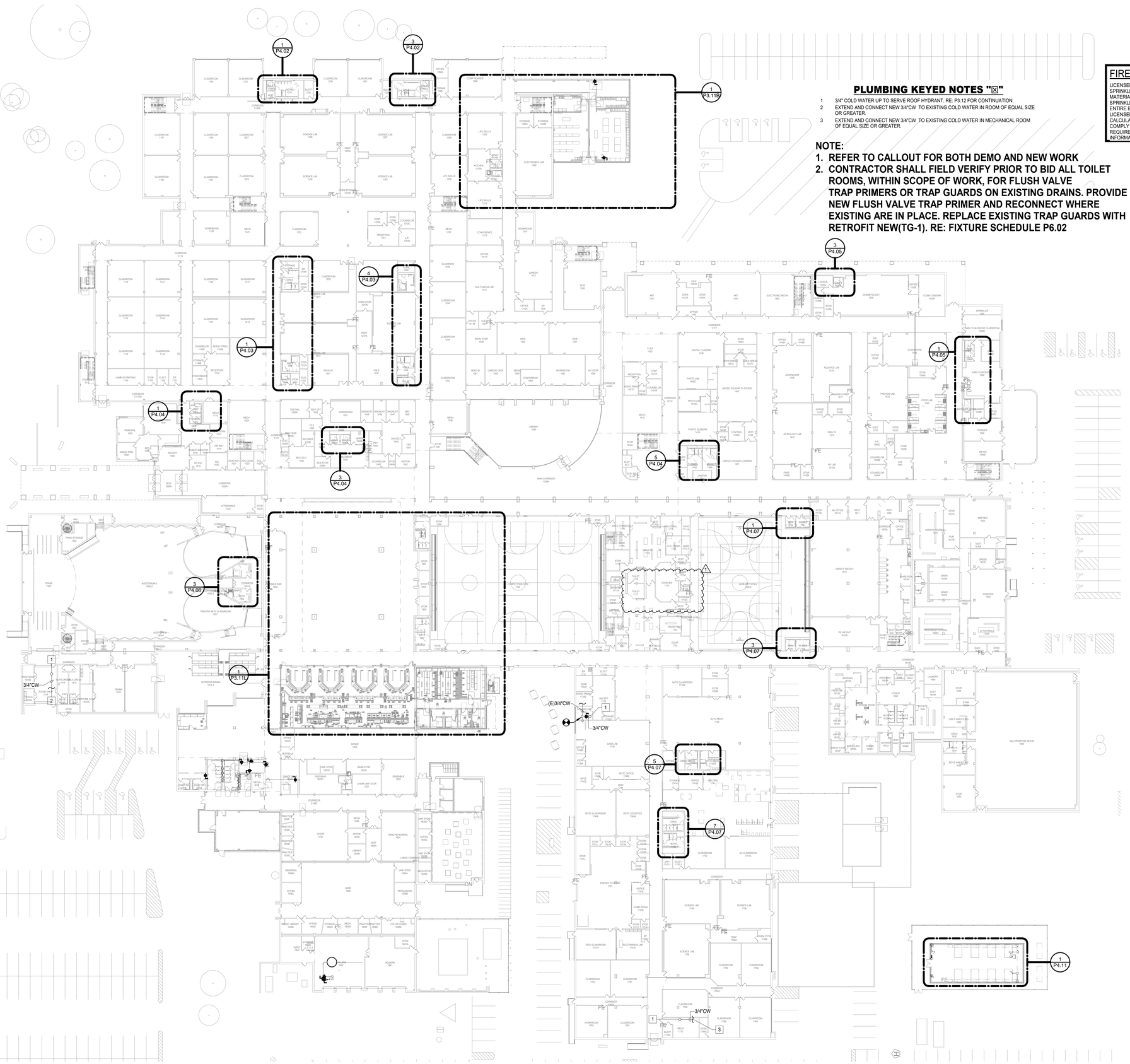
23-148.00

SHEET TITLE

ELECTRICAL DETAILS

SHEET NO.

E6.02



PLUMBING KEYED NOTES "☒"

1 3/4" COLD WATER UP TO SERVE ROOF HYDRANT. RE: P3.12 FOR CONTINUATION.

2 EXTEND AND CONNECT NEW 3/4"CW TO EXISTING COLD WATER IN ROOM OF EQUAL SIZE OR GREATER.

3 EXTEND AND CONNECT NEW 3/4"CW TO EXISTING COLD WATER IN MECHANICAL ROOM OF EQUAL SIZE OR GREATER.

NOTE:

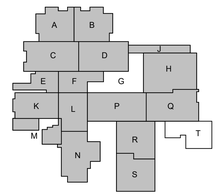
1. REFER TO CALLOUT FOR BOTH DEMO AND NEW WORK
2. CONTRACTOR SHALL FIELD VERIFY PRIOR TO BID ALL TOILET ROOMS, WITHIN SCOPE OF WORK, FOR FLUSH VALVE TRAP PRIMERS OR TRAP GUARDS ON EXISTING DRAINS. PROVIDE NEW FLUSH VALVE TRAP PRIMER AND RECONNECT WHERE EXISTING ARE IN PLACE. REPLACE EXISTING TRAP GUARDS WITH RETROFIT NEW(TG-1). RE: FIXTURE SCHEDULE P6.02

FIRE SPRINKLER NOTE:

LICENSED SPRINKLER CONTRACTOR SHALL EXTEND THE AUTOMATIC FIRE SPRINKLER SYSTEM TO INCLUDE NEW ADDITION, AND MATCH NEW MATERIALS AND SPRINKLER HEADS TO EXISTING. EXISTING FIRE SPRINKLER SYSTEM TO BE MAINTAINED IN FULL OPERATING ORDER FOR ENTIRE BUILDING AT ALL TIMES. LICENSED SPRINKLER ENGINEER OR LICENSED SPRINKLER CONTRACTOR, TO PROVIDE DRAWINGS AND CALCULATIONS FOR UP DATE CHANGES TO EXISTING SYSTEM AND TO COMPLY WITH NEW SPACE LAYOUT, NFPA 13, ALL STATE AND LOCAL CODE REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

N

1 **PLUMBING FLOOR PLAN - LEVEL 1 COMPOSITE**
Scale: 1" = 30'-0"



KEY PLAN - LEVEL ONE

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Salas O'Brien Project Number: 2023-05939-00

CYPRESS-FAIRBANKS ISD
HOUSTON, TEXAS

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	JH
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.

23-148.00

SHEET TITLE

PLUMBING COMPOSITE PLAN - FIRST FLOOR

SHEET NO.

P0.01

2024 Cy-Creek HS Renovation

FIRE SPRINKLER NOTE:

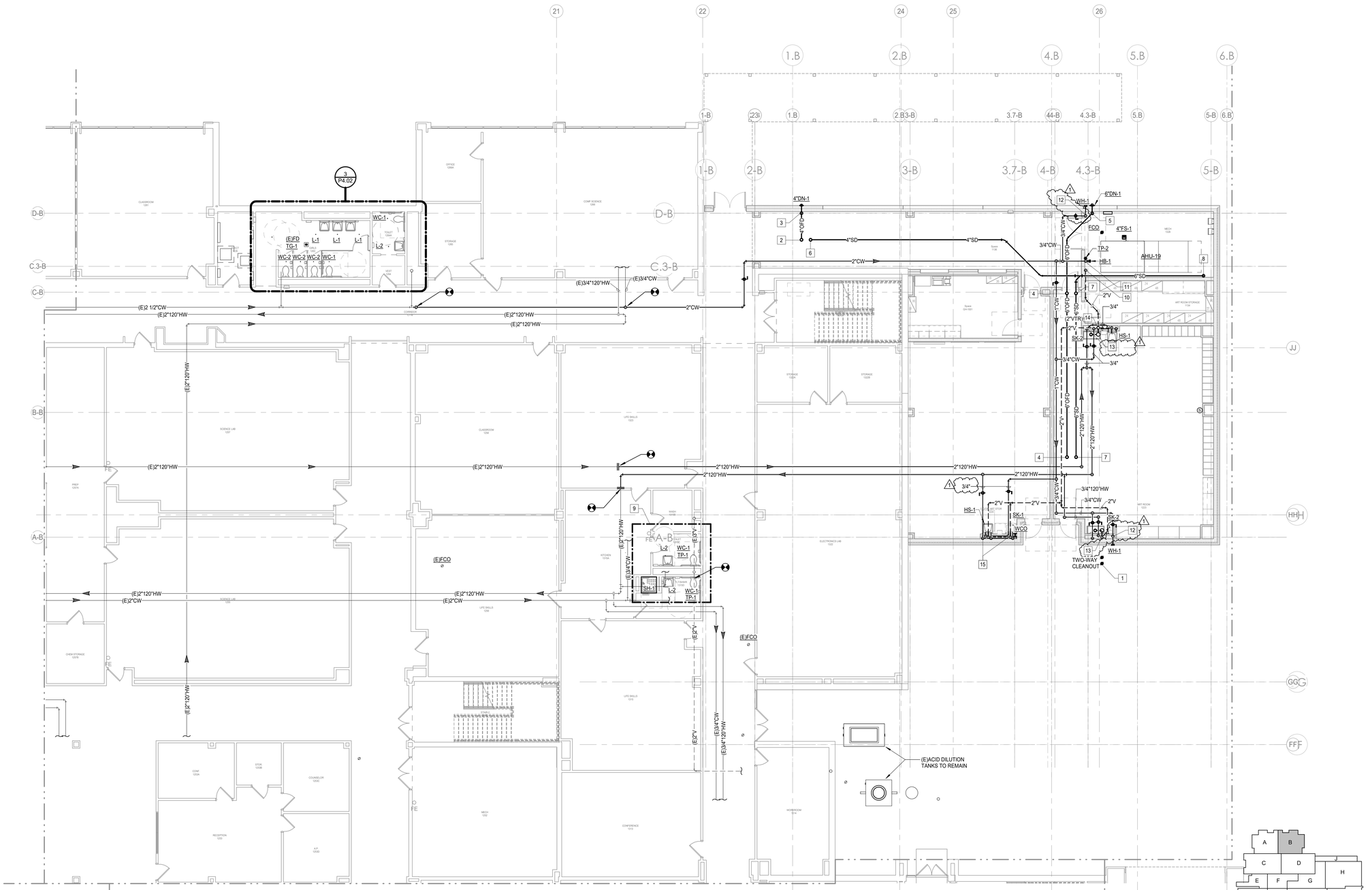
LICENSED SPRINKLER CONTRACTOR SHALL EXTEND THE AUTOMATIC FIRE SPRINKLER SYSTEM TO INCLUDE NEW ADDITION, AND MATCH NEW MATERIALS AND SPRINKLER HEADS TO EXISTING. EXISTING FIRE SPRINKLER SYSTEM TO BE MAINTAINED IN FULL OPERATING ORDER FOR ENTIRE BUILDING AT ALL TIMES. LICENSED SPRINKLER ENGINEER OR LICENSED SPRINKLER CONTRACTOR, TO PROVIDE DRAWINGS AND CALCULATIONS FOR UP DATE CHANGES TO EXISTING SYSTEM AND TO COMPLY WITH NEW SPACE LAYOUT, NFPA 13, ALL STATE AND LOCAL CODE REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PLUMBING KEYED NOTES "☒"

1 TWO-WAY EXTERIOR CLEANOUT. VERIFY EXACT LOCATION WITH OWNER. RE: SHEET P5.01 FOR DETAIL.
2 4" OVERFLOW FROM ABOVE.
3 4" OVERFLOW DOWN. EXTEND AND CONNECT TO DOWNSPOUT NOZZLE(DN-1). RE: SHEET P5.01 FOR DOWNSPOUT NOZZLE DETAIL
4 6" OVERFLOW FROM ABOVE.
5 6" OVERFLOW DOWN. EXTEND AND CONNECT TO DOWNSPOUT NOZZLE(DN-1). RE: SHEET P5.01 FOR DOWNSPOUT NOZZLE DETAIL
6 4" STORM FROM ABOVE.
7 6" STORM FROM ABOVE.
8 6" STORM DOWN TO BELOW SLAB.
9 MODIFY AS REQUIRED AND RE-USE EXISTING WASTE AND WATER ROUGH-INS FOR NEW FIXTURE(S). PROVIDE NEW FIXTURE CARRIER FOR ALL WALL HUNG FIXTURES.
10 2" VENT UP FROM BELOW SLAB.
11 DROP 3/4" COLD WATER DOWN, EXTEND AND CONNECT TO ELECTRONIC TRAP PRIMER SERVING DRAIN IN MECH ROOM RE: SHEET P5.01 FOR ELECTRONIC TRAP PRIMER DETAIL, AND SHEET P6.02 FOR FIXTURE SCHEDULE.
12 DROP 3/4" COLD WATER TO SERVE WALL HYDRANT, COORDINATE MOUNTING HEIGHT LOCATION WITH ARCHITECT/OWNER. RE: SHEET P5.01 FOR DETAIL.
13 3/4" HOT AND COLD WATER DOWN, EXTEND 2" WASTE THRU SOLIDS INTERCEPTOR, OFFSET TOWARDS WALL AND DROP 2" WASTE DOWN, 2" VENT UP EXTEND AND ROUGH-IN TO EQUIPMENT/FIXTURE(S) RE: SHEET P5.01 FOR SOLIDS INTERCEPTOR AT SINK.
14 2" WASTE DOWN TO BELOW SLAB, 2" VENT UP TO 2"VTR
15 3/4" HOT AND COLD WATER DOWN, 2" WASTE DOWN, 2" VENT UP EXTEND AND ROUGH-IN TO EQUIPMENT/FIXTURE(S).

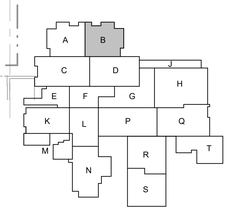
PLUMBING GENERAL NOTES

1. CONTRACT DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION, AND WHEN AVAILABLE, EXISTING RECORD DOCUMENTS. CONTRACTOR TO VERIFY AT SITE EXACT LOCATIONS, AND SIZES OF EXISTING PIPING. REPORT DISCREPANCIES TO ARCHITECT BEFORE DISTURBING EXISTING INSTALLATION, AND IMMEDIATELY AFTER SUCH DISCREPANCIES ARE DISCOVERED. CONTRACTOR TO VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF WORK.
3. PLUMBING FIXTURES/EQUIPMENT SHOWN ON PLAN THAT ARE NOT IDENTIFIED AND DO NOT HAVE A FIXTURE DESIGNATION ARE EXISTING AND ARE TO REMAIN.
4. REFER TO ARCHITECTS DRAWING FOR EXACT LOCATION OF NEW FLOOR DRAINS.
5. CONTRACTOR SHALL FIELD VERIFY PRIOR TO BID ALL TOILET ROOMS, IN SCOPE OF WORK, FLOOR DRAINS FOR FLUSH VALVE TRAP PRIMERS OR TRAP GUARDS ON EXISTING DRAINS. PROVIDE NEW FLUSH VALVE TRAP PRIMER AND RECONNECT WHERE EXISTING ARE IN PLACE. REPLACE EXISTING TRAP GUARDS WITH RETROFIT NEW(TG-1). RE: FIXTURE SCHEDULE P6.02
6. DO NOT SCALE THE PLUMBING DRAWINGS, REFER TO THE DIMENSIONED ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL DATA.
7. REFER TO SHEET P5.01 AND P5.02 FOR PLUMBING DETAILS AND SHEET P6.01 AND P6.02 FOR PLUMBING SCHEDULES.



N

1 **PLUMBING FLOOR PLAN - LEVEL 1 - UNIT B**
Scale: 1/8" = 1'-0"



KEY PLAN - LEVEL ONE

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02/06/2025

ISSUED: JANUARY 20, 2025

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1	Addendum 2	02.06.2025

Director	Drawn By
Approver	JH
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.

23-148.00

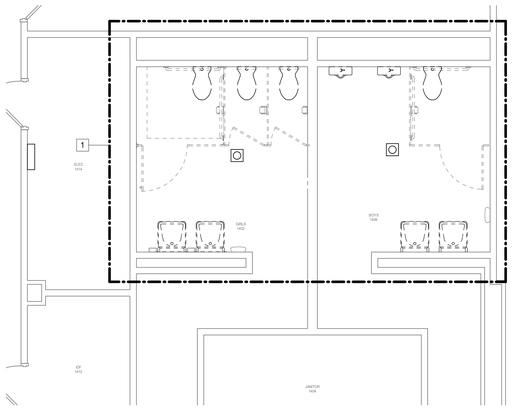
SHEET TITLE

PLUMBING FLOOR PLAN- LEVEL 1 - UNIT B

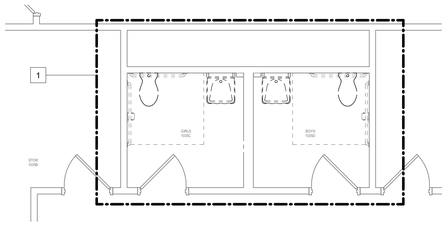
SHEET NO.

P3.11B

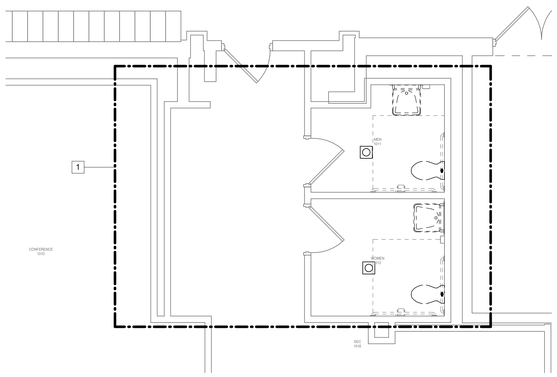
2024 Cy-Creek HS Renovation



N 6 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA H**
Scale: 1/4" = 1'-0"

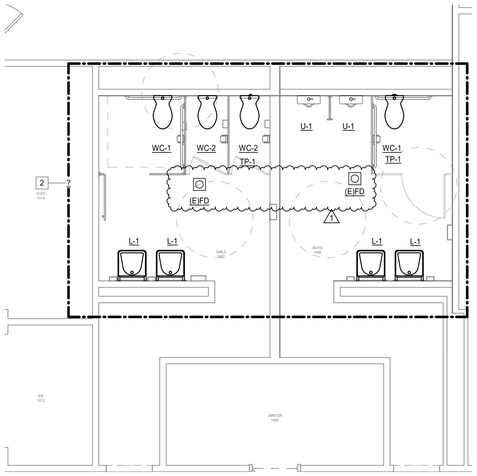


N 4 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA F**
Scale: 1/4" = 1'-0"

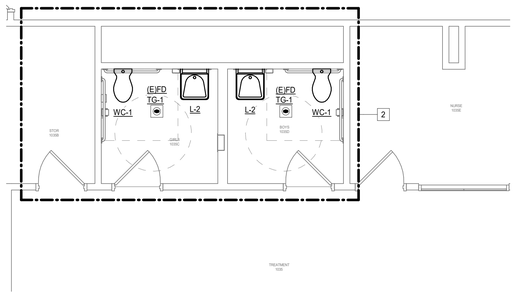


N 2 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA E**
Scale: 1/4" = 1'-0"

NOTE:
RECONNECT NEW FLUSH VALVE TRAP PRIMER PIPING TO EXISTING

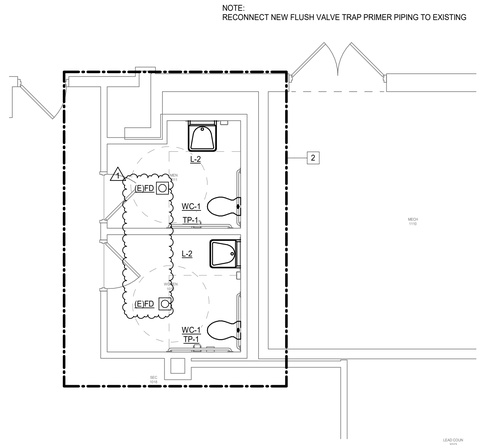


N 5 **PLUMBING ENLARGED PLAN - LEVEL 1 AREA H**
Scale: 1/4" = 1'-0"

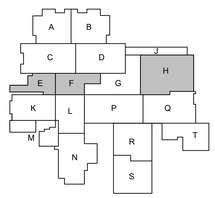


N 3 **PLUMBING ENLARGED PLAN - LEVEL 1 AREA F**
Scale: 1/4" = 1'-0"

NOTE:
RECONNECT NEW FLUSH VALVE TRAP PRIMER PIPING TO EXISTING



N 1 **PLUMBING ENLARGED PLAN - LEVEL 1 AREA E**
Scale: 1/4" = 1'-0"



KEY PLAN - LEVEL ONE

PLUMBING GENERAL NOTES

1. CONTRACT DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION, AND WHEN AVAILABLE, EXISTING RECORD DOCUMENTS. CONTRACTOR TO VERIFY AT SITE EXACT LOCATIONS, AND SIZES OF EXISTING PIPING. REPORT DISCREPANCIES TO ARCHITECT BEFORE DISTURBING EXISTING INSTALLATION, AND IMMEDIATELY AFTER SUCH DISCREPANCIES ARE DISCOVERED. CONTRACTOR TO VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF THERE ARE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF WORK.
3. PLUMBING FIXTURES/EQUIPMENT SHOWN ON PLAN THAT ARE NOT IDENTIFIED AND DO NOT HAVE A FIXTURE DESIGNATION ARE EXISTING AND ARE TO REMAIN.
4. ANY OTHER ITEMS NOT REFERENCED WHICH ARE LOCATED IN THE DEMOLISHED SPACE (VENT, WASTE, WATER HEATER, PLUMBING FIXTURE, ETC.) THAT ARE IDENTIFIED OR DISCOVERED DURING DEMOLITION WHICH WILL NOT BE USED FOR THIS PROJECT, SHALL BE DEMOLISHED BACK TO THE MAIN SOURCE OR RISER, AND DEVICES SHALL BE RETAINED TO THE OWNER STORAGE AS DIRECTED BY THE ARCHITECT/OWNER.
5. OWNER SHALL HAVE FIRST RIGHT REFUSAL ON ALL PLUMBING FIXTURES/ EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO PUMPS, HEATERS, AND STAINLESS STEEL SINKS
6. CONTRACTOR SHALL FIELD VERIFY PRIOR TO BID ALL TOILET ROOMS, WITHIN SCOPE OF WORK, FOR FLUSH VALVE TRAP PRIMERS OR TRAP GUARDS ON EXISTING DRAINS. PROVIDE NEW FLUSH VALVE TRAP PRIMER AND RECONNECT WHERE EXISTING ARE IN PLACE. REPLACE EXISTING TRAP GUARDS WITH RETROFIT NEW(TG-1). RE: FIXTURE SCHEDULE P6.02
7. DO NOT SCALE THE PLUMBING DRAWINGS, REFER TO THE DIMENSIONED ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL DATA.
8. REFER TO SHEET P5.01 AND P5.02 FOR PLUMBING DETAILS AND SHEET P6.01 AND P6.02 FOR PLUMBING SCHEDULES.

PLUMBING KEYED NOTES "☒"

1 REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED APPURTENANCES. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOED FIXTURES. CAP EXISTING WASTE AND WATER ROUGH-INS FOR RECONNECTION DURING NEW CONSTRUCTION. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND FIELD VERIFY EXACT LOCATIONS.

2 MODIFY AS REQUIRED AND RE-USE EXISTING WASTE AND WATER ROUGH-INS FOR NEW FIXTURE(S). PROVIDE NEW FIXTURE CARRIER FOR ALL WALL HUNG FIXTURES.

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02/06/2025

ISSUED: JANUARY 20, 2025

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1	Addendum 2	02.06.2025

Director	Drawn By
Approver	JH
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
PLUMBING ENLARGED PLANS

SHEET NO.
P4.04

2024 Cy-Creek HS Renovation

PLUMBING GENERAL NOTES

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5. OWNER SHALL HAVE FIRST RIGHT REFUSAL ON ALL PLUMBING FIXTURES/ EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO PUMPS, HEATERS, AND STAINLESS STEEL SINKS

6. CONTRACTOR SHALL FIELD VERIFY PRIOR TO BID ALL TOILET ROOMS, WITHIN SCOPE OF WORK, FOR FLUSH VALVE TRAP PRIMERS OR TRAP GUARDS ON EXISTING DRAINS. PROVIDE NEW FLUSH VALVE TRAP PRIMER AND RECONNECT WHERE EXISTING ARE IN PLACE. REPLACE EXISTING TRAP GUARDS WITH RETROFIT NEW(TG-1). RE: FIXTURE SCHEDULE P6.02

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8. REFER TO SHEET P5.01 AND P5.02 FOR PLUMBING DETAILS AND SHEET P6.01 AND P6.02 FOR PLUMBING SCHEDULES.

PLUMBING KEYED NOTES "☒"

1 REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED APPURTENANCES. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOED FIXTURES. CAP EXISTING WASTE AND WATER ROUGH-INS FOR RECONNECTION DURING NEW CONSTRUCTION. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND FIELD VERIFY EXACT LOCATIONS.

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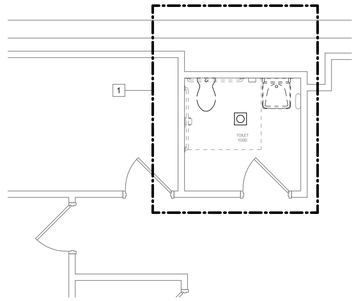
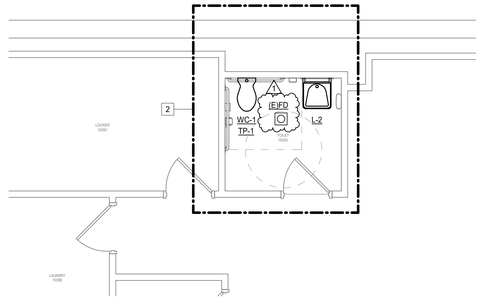
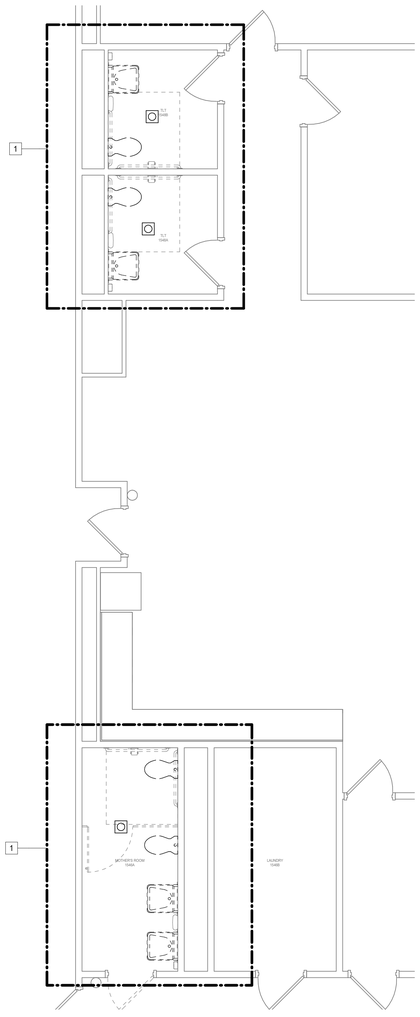


4 PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA J
Scale: 1/4" = 1'-0"

NOTE:
RECONNECT NEW FLUSH VALVE TRAP PRIMER PIPING TO EXISTING

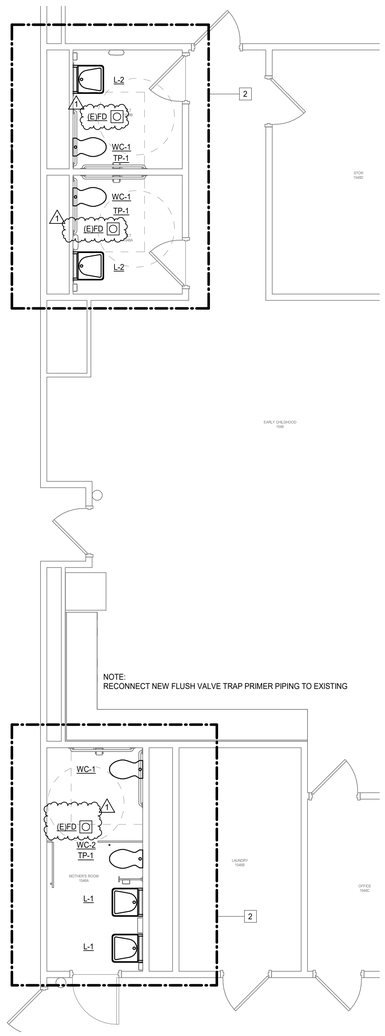


3 PLUMBING ENLARGED PLAN - LEVEL 1 AREA J
Scale: 1/4" = 1'-0"

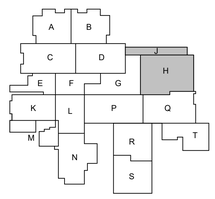


2 PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA H (EARLY CHILDHOOD)
Scale: 1/4" = 1'-0"

NOTE:
RECONNECT NEW FLUSH VALVE TRAP PRIMER PIPING TO EXISTING



1 PLUMBING ENLARGED PLAN - LEVEL 1 AREA H (EARLY CHILDHOOD)
Scale: 1/4" = 1'-0"



KEY PLAN - LEVEL ONE

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ISSUED: JANUARY 20, 2025

REVISIONS

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1	Addendum 2	02.06.2025

Director EHJ	Drawn By JH
Designer JH	Quality Control
Proj. Arch. Checker	

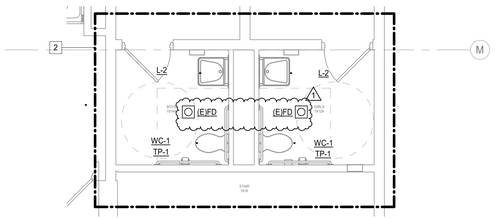
PROJECT NO.
23-148.00

SHEET TITLE
PLUMBING ENLARGED PLANS

SHEET NO.
P4.05

2024 Cy-Creek HS Renovation

NOTE:
RECONNECT NEW FLUSH VALVE TRAP PRIMER PIPING TO EXISTING



N 8 **PLUMBING ENLARGED PLAN - AREA K**
Scale: 1/4" = 1'-0"

PLUMBING GENERAL NOTES

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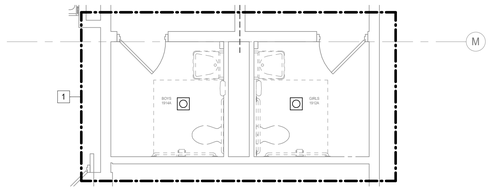
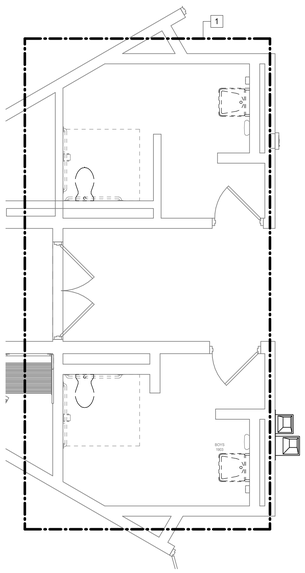
7. DO NOT SCALE THE PLUMBING DRAWINGS, REFER TO THE DIMENSIONED ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL DATA.
8. REFER TO SHEET P5.01 AND P5.02 FOR PLUMBING DETAILS AND SHEET P6.01 AND P6.02 FOR PLUMBING SCHEDULES.

PLUMBING KEYED NOTES "☒"

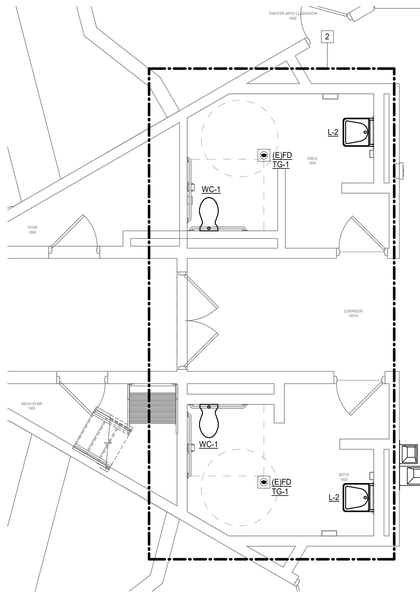
1 REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED APPURTENANCES. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOED FIXTURES. CAP EXISTING WASTE AND WATER ROUGH-INS FOR RECONNECTION DURING NEW CONSTRUCTION. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND FIELD VERIFY EXACT LOCATIONS.
2 MODIFY AS REQUIRED AND RE-USE EXISTING WASTE AND WATER ROUGH-INS FOR NEW FIXTURE(S). PROVIDE NEW FIXTURE CARRIER FOR ALL WALL HUNG FIXTURES.
3 DROP 3" HOT WATER LOOP DOWN IN CHASE, ROUTE THRU CHASE AND ROUGH-IN TO FIXTURES
4 RISE 3" HOT(120°) UP, RE: SHEET P5.02 FOR HW CIRCULATION AT PUBLIC LAVATORIES DETAIL.
5 DROP 3/4" COLD WATER DOWN. EXTEND AND ROUGH-IN TO FIXTURE(S).
6 CAP EXISTING WASTE LINE BELOW SLAB AND ABANDON IN PLACE.
7 EXISTING VENT THRU ROOF TO REMAIN, CAP PIPING BELOW ROOF FOR RECONNECTION DURING NEW CONSTRUCTION.
8 REMOVE EXISTING DRAIN AND P-TRAP CAP EXISTING WASTE BELOW SLAB. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND FIELD VERIFY EXACT LOCATIONS. THIS CONTRACTOR TO SEAL AND PATCH FLOOR TO MATCH EXISTING.
9 2-1/2" COLD WATER DOWN. EXTEND FULL SIZE AND ROUGH-IN TO FIXTURES. PROVIDE SHOCK ARRESTOR PRIOR TO LAST FIXTURE.
10 4" WASTE DOWN, 2" VENT UP.
11 4" WASTE DOWN BELOW SLAB, 2" VENT UP.
12 4" WASTE DOWN, 2" VENT UP.
13 2" VENT UP FROM BELOW SLAB.
14 3/4" HOT AND COLD WATER, RISE 2" VENT UP, 2" WASTE DOWN, ROUTE HOT AND COLD WATER LINES THRU POINT OF USE MIXING VALVE EXTEND AND ROUGH-IN TO FIXTURE(S). RE: SHEET P5.01 FOR DETAIL.
15 EXTEND 3/4" COLD WATER, 2" WASTE ROUGH-IN AND CONNECT
16 2" COLD WATER DOWN, EXTEND FULL SIZE AND ROUGH-IN TO FIXTURES. PROVIDE SHOCK ARRESTOR PRIOR TO LAST FIXTURE.
17 2" WASTE DOWN TO BELOW SLAB.
18 2" WASTE DOWN, 2" VENT UP.
19 2" WASTE DOWN.
20 3" WASTE DOWN, 2" VENT UP.
21 3" WASTE FROM DRAIN ABOVE PROVIDE P-TRAP.
22 PROVIDE FLUSH VALVE TRAP PRIMER CONNECTION(TP-1) RE: SHEET P5.01 FOR CONNECTION DETAIL. TO SERVE 4"FS-1 IN MECH ROOM 1819
23 PROVIDE FLUSH VALVE TRAP PRIMER CONNECTION(TP-1) RE: SHEET P5.01 FOR CONNECTION DETAIL. TO SERVE 3"FD-1 IN TLT 1839



N 7 **PLUMBING ENLARGED DEMOLITION PLAN - AREA K**
Scale: 1/4" = 1'-0"



N 4 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA K**
Scale: 1/4" = 1'-0"



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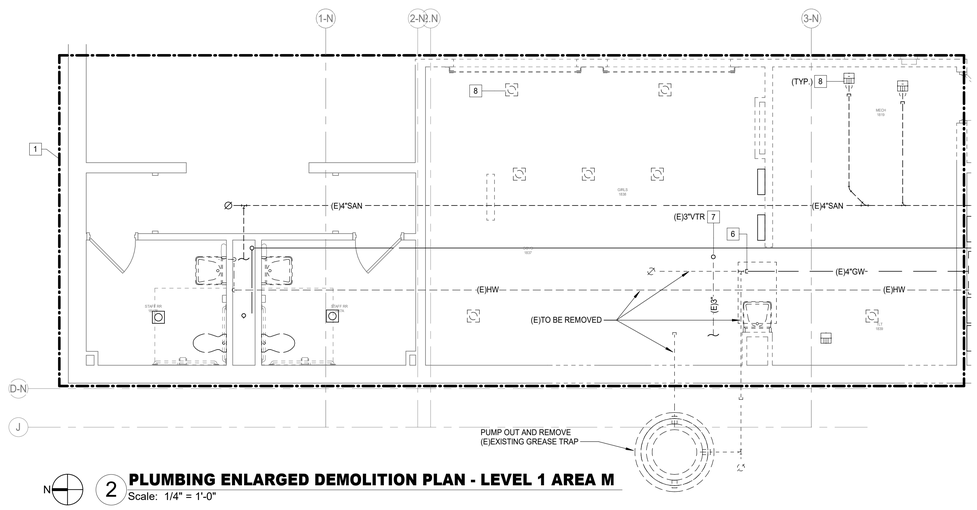

N 2 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA M**
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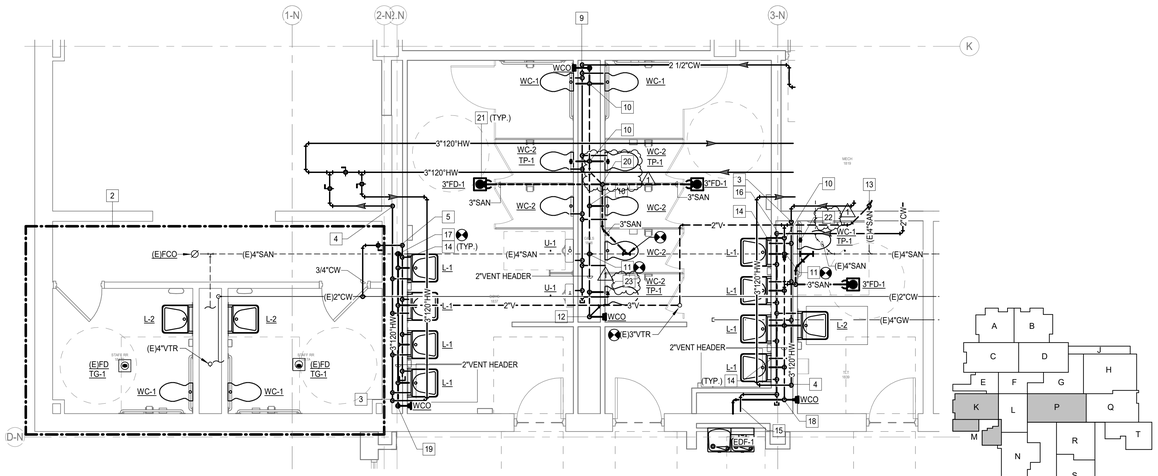

N 1 **PLUMBING ENLARGED PLAN - LEVEL 1 AREA M**
Scale: 1/4" = 1'-0"

KEY PLAN - LEVEL ONE

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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	JH
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
PLUMBING ENLARGED PLANS

SHEET NO.
P4.06

2024 Cy-Creek HS Renovation

PLUMBING GENERAL NOTES

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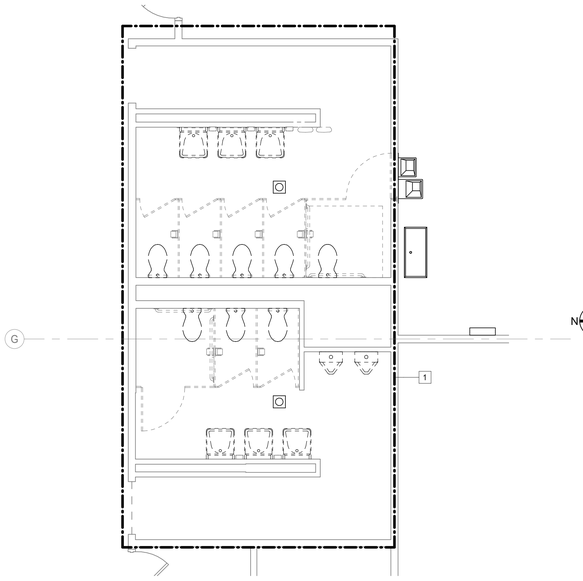
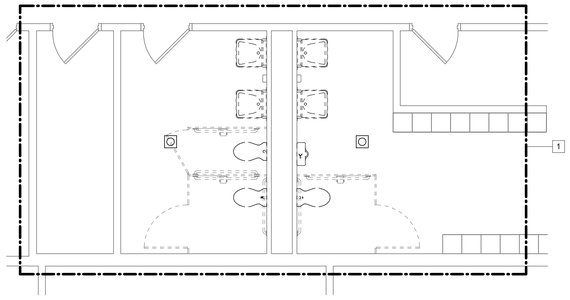


N 6 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA R1**
Scale: 1/4" = 1'-0"



NOTE:
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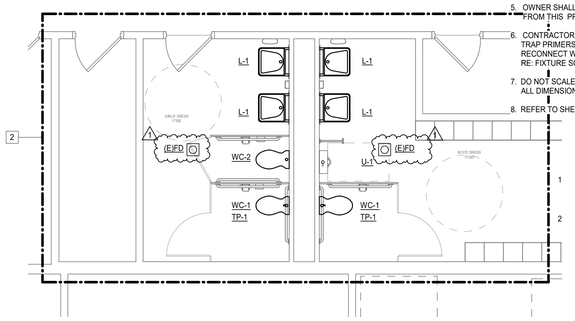

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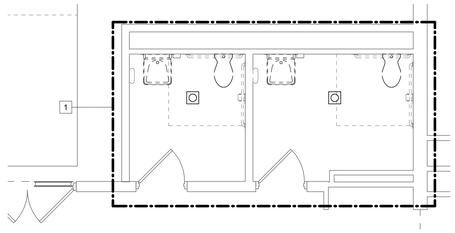
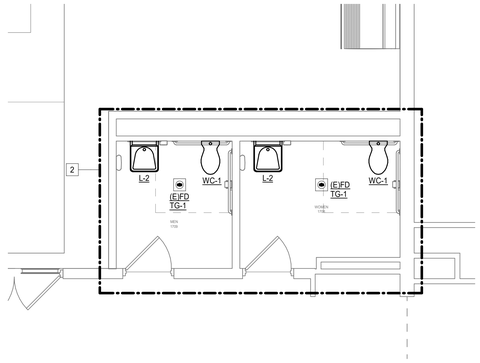
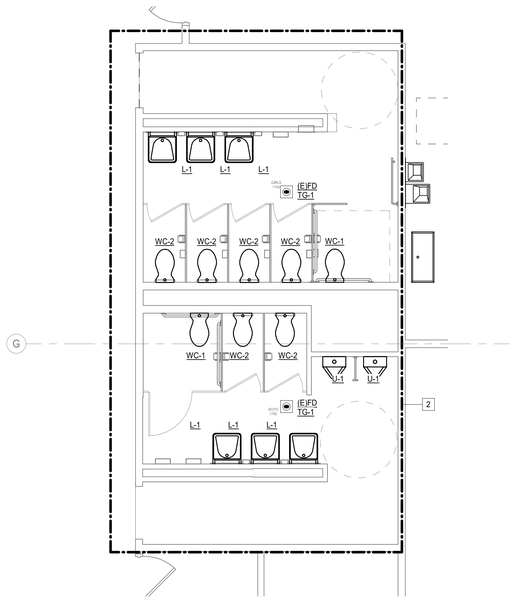
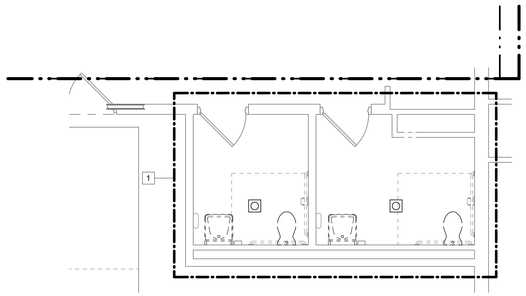




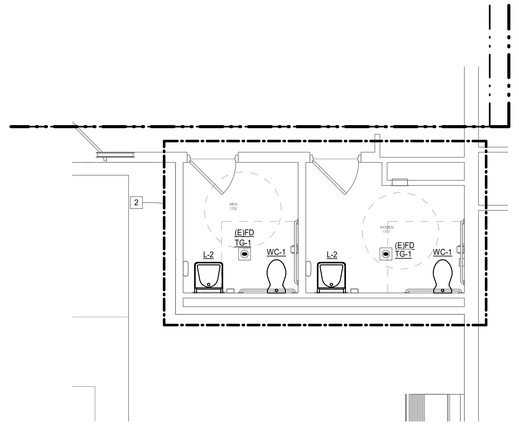
N 8 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA R2**
Scale: 1/4" = 1'-0"



N 4 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA Q2**
Scale: 1/4" = 1'-0"



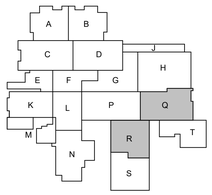
N 3 **PLUMBING ENLARGED PLAN - LEVEL 1 AREA Q2**
Scale: 1/4" = 1'-0"



N 7 **PLUMBING ENLARGED PLAN - LEVEL 1 AREA R1**
Scale: 1/4" = 1'-0"

N 2 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 1 AREA Q**
Scale: 1/4" = 1'-0"

N 1 **PLUMBING ENLARGED PLAN - LEVEL 1 AREA Q**
Scale: 1/4" = 1'-0"



KEY PLAN - LEVEL ONE

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Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS 80219 LICENSED PROFESSIONAL ENGINEER
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

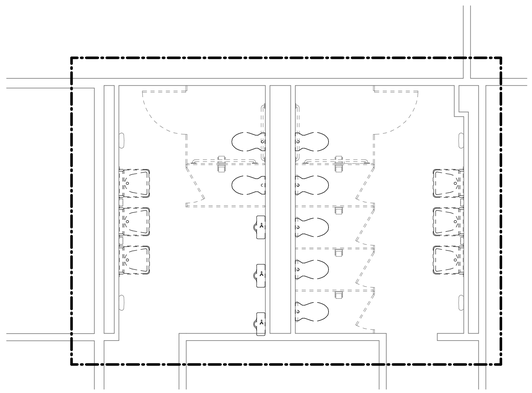
Director	Drawn By
Approver	JH
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
PLUMBING ENLARGED PLANS

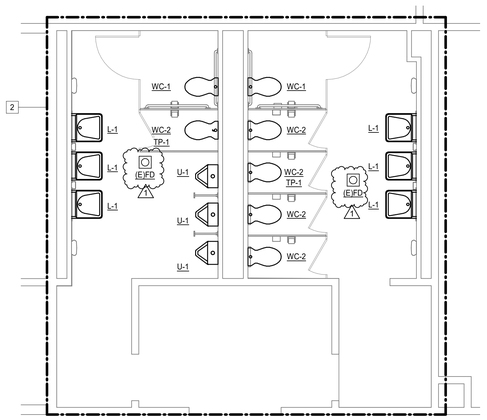
SHEET NO.
P4.07

2024 Cy-Creek HS Renovation



N 6 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 2 AREA H**
Scale: 1/4" = 1'-0"

NOTE:
RECONNECT NEW FLUSH VALVE TRAP PRIMER PIPING TO EXISTING



N 5 **PLUMBING ENLARGED PLAN - LEVEL 2 AREA H**
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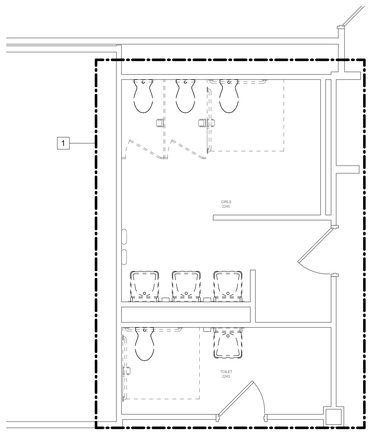
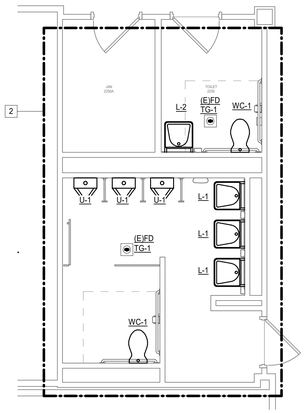


N 4 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 2 AREA D2**
Scale: 1/4" = 1'-0"



N 3 **PLUMBING ENLARGED PLAN - LEVEL 2 AREA D2**
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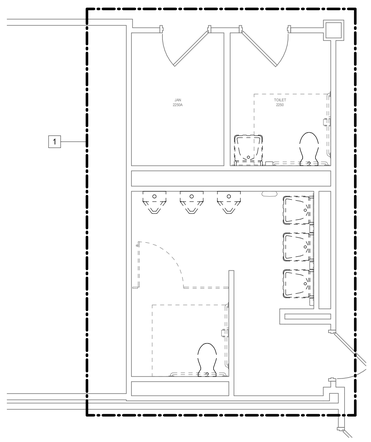
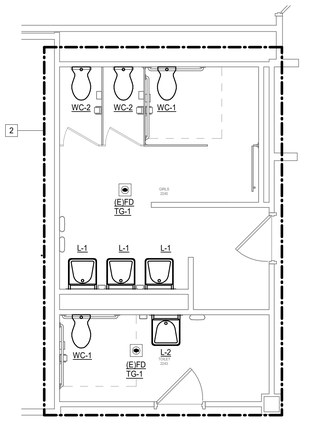


N 2 **PLUMBING ENLARGED DEMOLITION PLAN - LEVEL 2 AREA D**
Scale: 1/4" = 1'-0"



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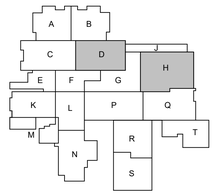

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CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

2024 Cy-Creek HS Renovation

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ISSUED: JANUARY 20, 2025

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1	Addendum 2	02.06.2025

Director	Drawn By
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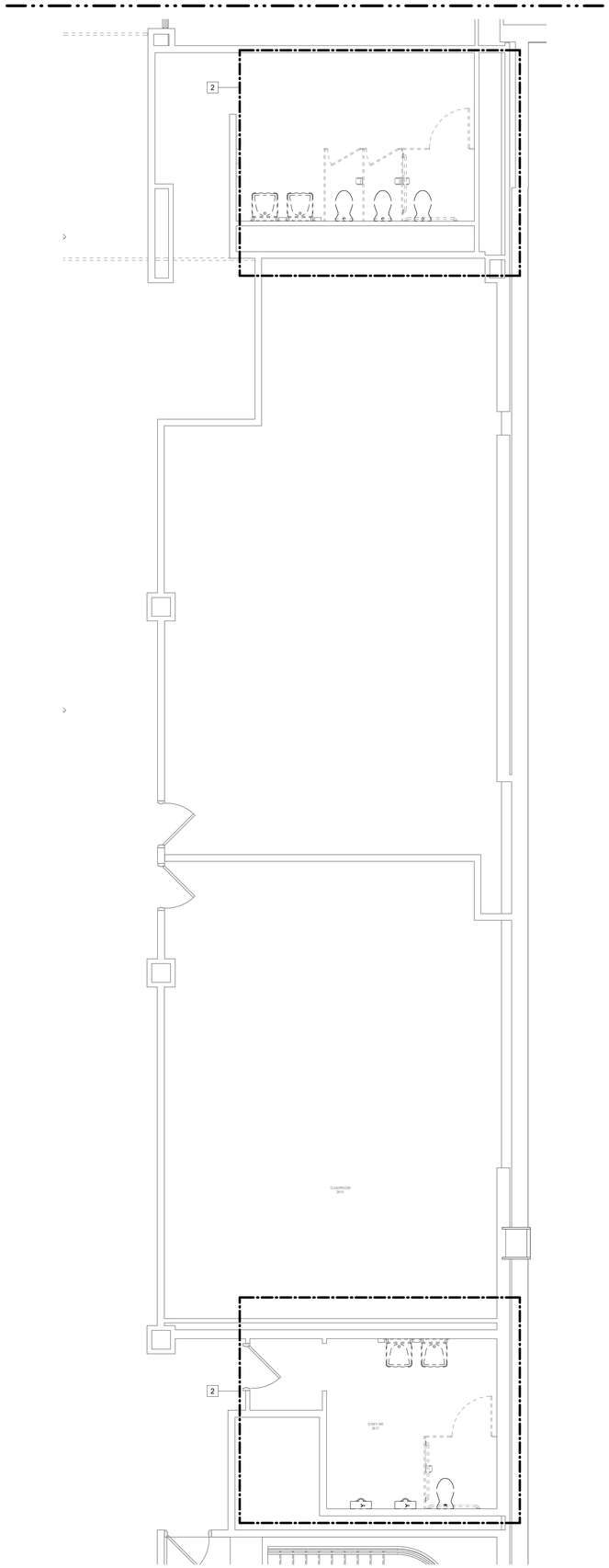
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
PLUMBING ENLARGED PLANS

SHEET NO.
P4.09



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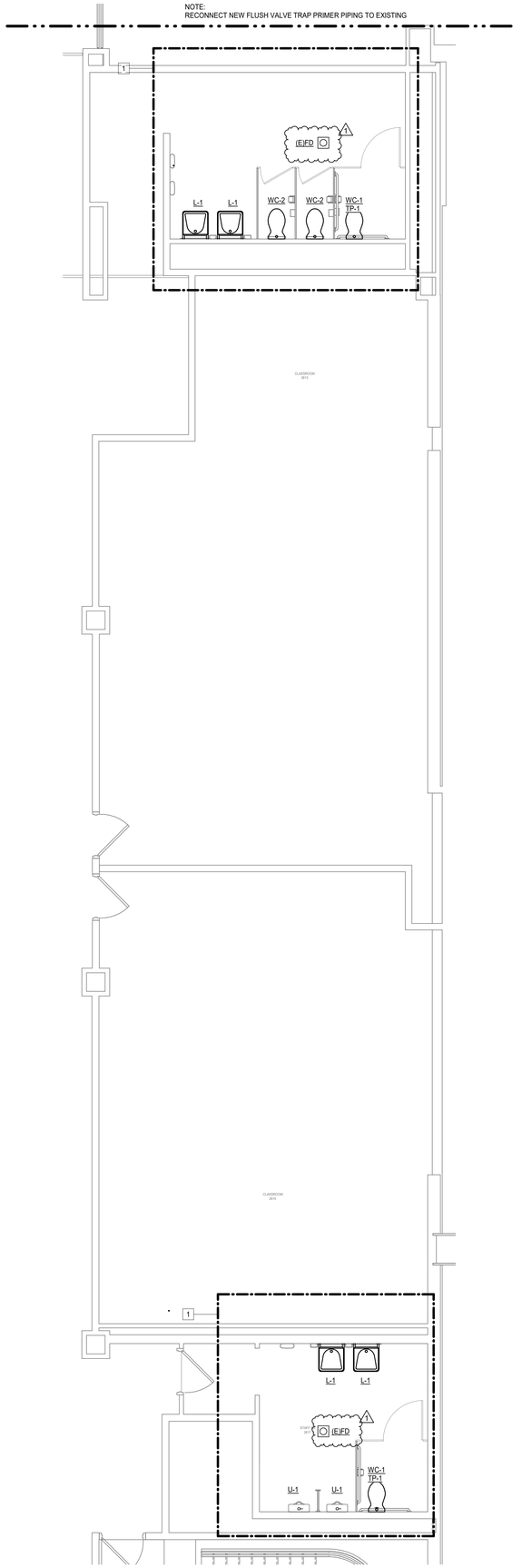
NOTE:
RECONNECT NEW FLUSH VALVE TRAP PRIMER PIPING TO EXISTING



N 1 **PLUMBING ENLARGED PLAN - LEVEL 2 AREA Q**
Scale: 1/4" = 1'-0"

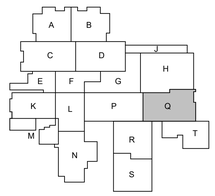
PLUMBING GENERAL NOTES

1. CONTRACT DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION, AND WHEN AVAILABLE, EXISTING RECORD DOCUMENTS. CONTRACTOR TO VERIFY AT SITE EXACT LOCATIONS, AND SIZES OF EXISTING PIPING. REPORT DISCREPANCIES TO ARCHITECT BEFORE DISTURBING EXISTING INSTALLATION, AND IMMEDIATELY AFTER SUCH DISCREPANCIES ARE DISCOVERED. CONTRACTOR TO VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF WORK.
3. PLUMBING FIXTURES/EQUIPMENT SHOWN ON PLAN THAT ARE NOT IDENTIFIED AND DO NOT HAVE A FIXTURE DESIGNATION ARE EXISTING AND ARE TO REMAIN.
4. ANY OTHER ITEMS NOT REFERENCED WHICH ARE LOCATED IN THE DEMOLISHED SPACE (VENT, WASTE, WATER HEATER, PLUMBING FIXTURE, ETC.) THAT ARE IDENTIFIED OR DISCOVERED DURING DEMOLITION WHICH WILL NOT BE USED FOR THIS PROJECT, SHALL BE DEMOLISHED BACK TO THE MAIN SOURCE OR RISER, AND DEVICES SHALL BE RETAINED TO THE OWNER STORAGE AS DIRECTED BY THE ARCHITECT/OWNER.
5. OWNER SHALL HAVE FIRST RIGHT REFUSAL ON ALL PLUMBING FIXTURES/ EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO PUMPS, HEATERS, AND STAINLESS STEEL SINKS
6. CONTRACTOR SHALL FIELD VERIFY PRIOR TO BID ALL TOILET ROOMS FOR FLUSH VALVE TRAP PRIMERS OR TRAP GUARDS ON EXISTING DRAINS. PROVIDE NEW FLUSH VALVE TRAP PRIMER AND RECONNECT WHERE EXISTING ARE IN PLACE. REPLACE EXISTING TRAP GUARDS WITH RETROFIT NEW. RE: FIXTURE SCHEDULE P6.02
7. DO NOT SCALE THE PLUMBING DRAWINGS, REFER TO THE DIMENSIONED ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL DATA.
8. REFER TO SHEET P5.01 AND P5.02 FOR PLUMBING DETAILS AND SHEET P6.01 AND P6.02 FOR PLUMBING SCHEDULES.

PLUMBING KEYED NOTES "☒"

1 MODIFY AS REQUIRED AND RE-USE EXISTING WASTE AND WATER ROUGH-INS FOR NEW FIXTURE(S). PROVIDE NEW FIXTURE CARRIER FOR ALL WALL HUNG FIXTURES.

2 REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED APPURTENANCES. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOED FIXTURES. CAP EXISTING WASTE AND WATER ROUGH-INS FOR RECONNECTION DURING NEW CONSTRUCTION. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND FIELD VERIFY EXACT LOCATIONS.



KEY PLAN - LEVEL ONE

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HOUSTON, TEXAS

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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	JH
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
PLUMBING ENLARGED PLANS

SHEET NO.
P4.10

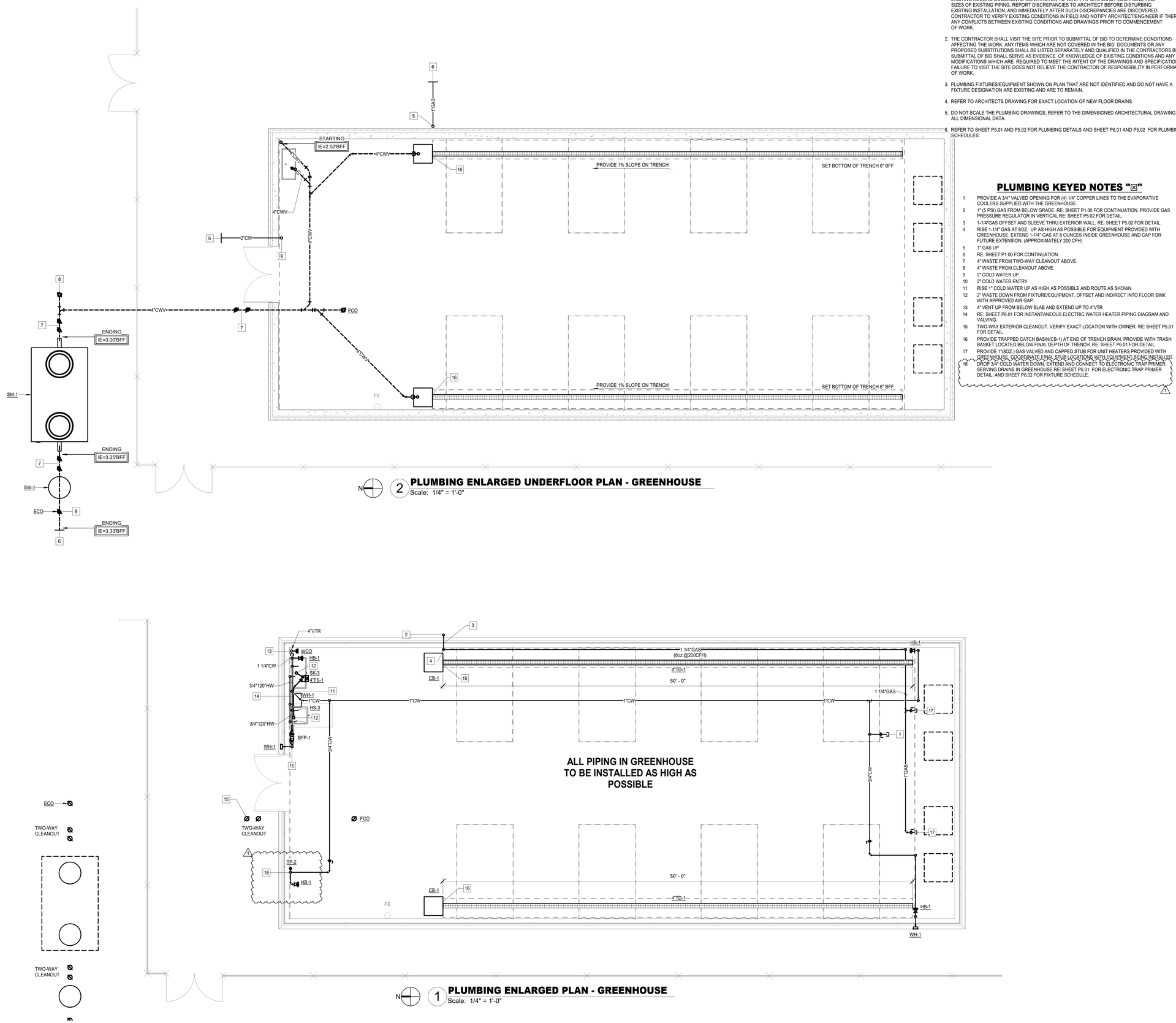
2024 Cy-Creek HS Renovation

PLUMBING GENERAL NOTES

1. CONTRACT DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION, AND WHEN AVAILABLE, EXISTING RECORD DOCUMENTS. CONTRACTOR TO VERIFY AT SITE EXACT LOCATIONS, AND SIZES OF EXISTING PIPING. REPORT DISCREPANCIES TO ARCHITECT BEFORE DISTURBING EXISTING INSTALLATION, AND IMMEDIATELY AFTER SUCH DISCREPANCIES ARE DISCOVERED. CONTRACTOR TO VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF WORK.
3. PLUMBING FIXTURES/EQUIPMENT SHOWN ON PLAN THAT ARE NOT IDENTIFIED AND DO NOT HAVE A FIXTURE DESIGNATION ARE EXISTING AND ARE TO REMAIN.
4. REFER TO ARCHITECTS DRAWING FOR EXACT LOCATION OF NEW FLOOR DRAINS.
5. DO NOT SCALE THE PLUMBING DRAWINGS, REFER TO THE DIMENSIONED ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL DATA.
6. REFER TO SHEET P5.01 AND P5.02 FOR PLUMBING DETAILS AND SHEET P6.01 AND P5.02 FOR PLUMBING SCHEDULES.

PLUMBING KEYED NOTES "⊠"

1. PROVIDE A 3/4" VALVED OPENING FOR (4) 1/4" COPPER LINES TO THE EVAPORATIVE COOLERS SUPPLIED WITH THE GREENHOUSE.
2. 1" (5 PSI) GAS FROM BELOW GRADE. RE: SHEET P1.00 FOR CONTINUATION. PROVIDE GAS PRESSURE REGULATOR IN VERTICAL RE: SHEET P5.02 FOR DETAIL
3. 1-1/4"GAS OFFSET AND SLEEVE THRU EXTERIOR WALL, RE: SHEET P5.02 FOR DETAIL.
4. RISE 1-1/4" GAS AT 8OZ. UP AS HIGH AS POSSIBLE FOR EQUIPMENT PROVIDED WITH GREENHOUSE. EXTEND 1-1/4" GAS AT 8 OUNCES INSIDE GREENHOUSE AND CAP FOR FUTURE EXTENSION. (APPROXIMATELY 200 CFH)
5. 1" GAS UP
6. RE: SHEET P1.00 FOR CONTINUATION.
7. 4" WASTE FROM TWO-WAY CLEANOUT ABOVE.
8. 4" WASTE FROM CLEANOUT ABOVE.
9. 2" COLD WATER UP.
10. 2" COLD WATER ENTRY.
11. RISE 1" COLD WATER UP AS HIGH AS POSSIBLE AND ROUTE AS SHOWN
12. 2" WASTE DOWN FROM FIXTURE/EQUIPMENT, OFFSET AND INDIRECT INTO FLOOR SINK WITH APPROVED AIR GAP.
13. 4" VENT UP FROM BELOW SLAB AND EXTEND UP TO 4"VTR
14. RE: SHEET P6.01 FOR INSTANTANEOUS ELECTRIC WATER HEATER PIPING DIAGRAM AND VALVING.
15. TWO-WAY EXTERIOR CLEANOUT. VERIFY EXACT LOCATION WITH OWNER. RE: SHEET P5.01 FOR DETAIL.
16. PROVIDE TRAPPED CATCH BASIN(CB-1) AT END OF TRENCH DRAIN. PROVIDE WITH TRASH BASKET LOCATED BELOW FINAL DEPTH OF TRENCH. RE: SHEET P6.01 FOR DETAIL
17. PROVIDE 1"(8OZ.) GAS VALVED AND CAPPED STUB FOR UNIT HEATERS PROVIDED WITH GREENHOUSE. COORDINATE FINAL STUB LOCATIONS WITH EQUIPMENT BEING INSTALLED.
18. DROP 3/4" COLD WATER DOWN, EXTEND AND CONNECT TO ELECTRONIC TRAP PRIMER SERVING DRAINS IN GREENHOUSE RE: SHEET P5.01 FOR ELECTRONIC TRAP PRIMER DETAIL, AND SHEET P6.02 FOR FIXTURE SCHEDULE.



N

2 PLUMBING ENLARGED UNDERFLOOR PLAN - GREENHOUSE
Scale: 1/4" = 1'-0"

N

1 PLUMBING ENLARGED PLAN - GREENHOUSE
Scale: 1/4" = 1'-0"

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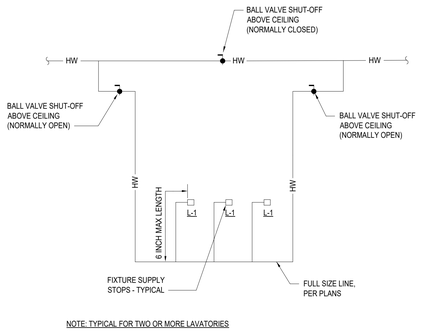
Director EHJ	Drawn By JH
Designer JH	Quality Control
Proj. Arch. Checker	

PROJECT NO.
23-148.00

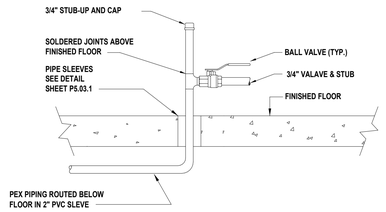
SHEET TITLE
PLUMBING ENLARGED PLANS

SHEET NO.
P4.11



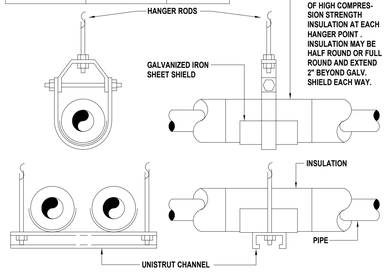
NOTE: TYPICAL FOR TWO OR MORE LAVATORIES

19 HW CIRCULATION FOR PUBLIC LAVATORIES
SCALE: NONE

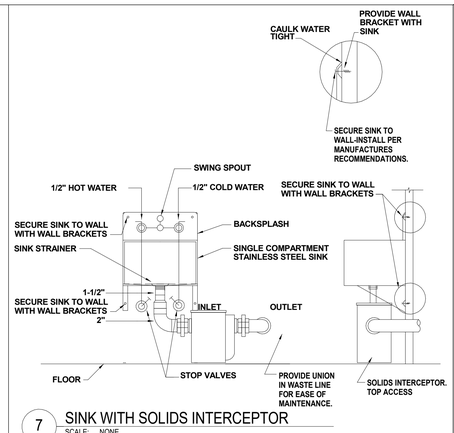


15 WATER STUB-UP DETAIL
SCALE: NONE

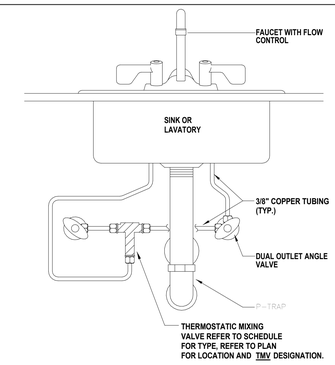
MINIMUM DIMENSIONS OF GALVANIZED SHEETMETAL PROTECTION SHIELDS AT PIPE HANGERS		
NOMINAL SIZE PIPE	SHIELD LENGTH MIN. (IN.)	GAUGE THICKNESS
1/2" & 3/4"	12	18
1" - 2-1/2"	12	18
3" - 4"	12	18
6"	12	16



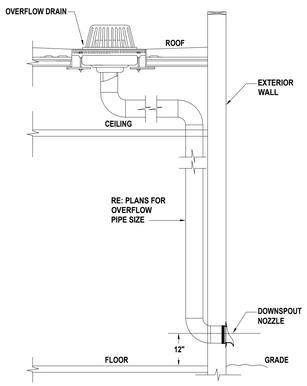
11 PIPE HANGER DETAIL
SCALE: NONE



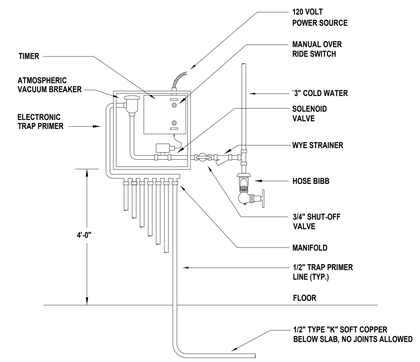
7 SINK WITH SOLIDS INTERCEPTOR
SCALE: NONE



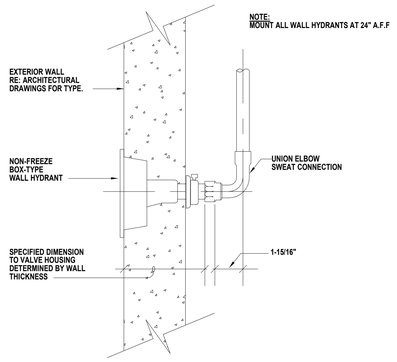
4 POINT OF USE MIXING VALVE
SCALE: NONE



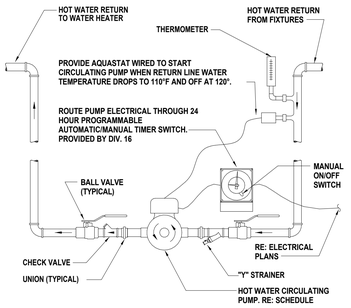
18 DOWNSPOUT NOZZLE
SCALE: NONE



14 ELECTRONIC TRAP PRIMER (TP-3)
SCALE: NONE

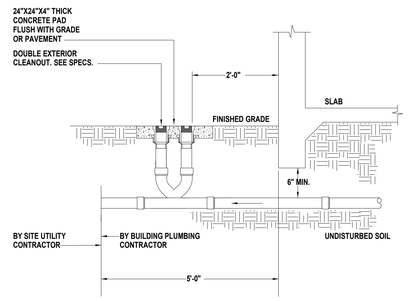


10 NON-FREEZE WALL HYDRANT CONNECTION
SCALE: NONE

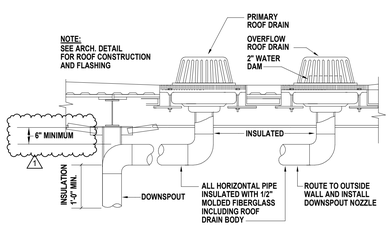


NOTE: MOUNT AT 54"-60" A.F.F. UNLESS NOTED OTHERWISE ON PLANS.

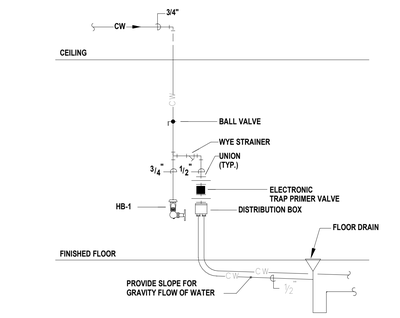
6 HOT WATER CIRCULATING PUMP
SCALE: NONE



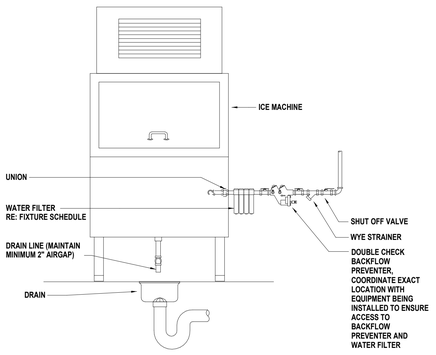
3 TWO-WAY CLEANOUT
SCALE: NONE



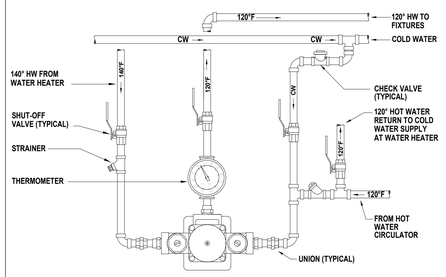
17 ROOF DRAIN AND OVERFLOW DRAIN
SCALE: NONE



13 TRAP PRIMER (TP-2)
SCALE: NONE

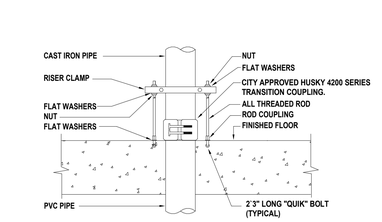


9 ICE MACHINE CONNECTION (IMC-1)
SCALE: NONE



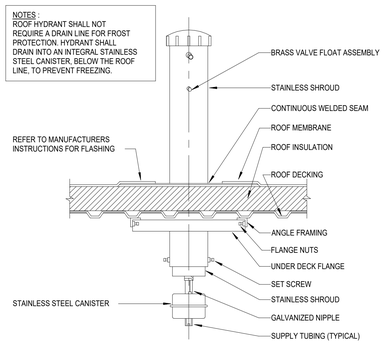
GENERAL NOTES:
1. MOUNT MIXING VALVE AT 54"-60" A.F.F. UNLESS NOTED OTHERWISE ON PLANS.
2. REFER TO PLANS FOR ALL PIPE SIZES. PROVIDE PIPE INCREASERS/DECREASERS AS REQUIRED.
3. REFER TO PLANS FOR ALL EQUIPMENT LOCATIONS.
4. MAKE ALL WATER CONNECTIONS TO THEMOSTATIC MIXING VALVE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

5 THERMOSTATIC MIXING VALVE
SCALE: NONE

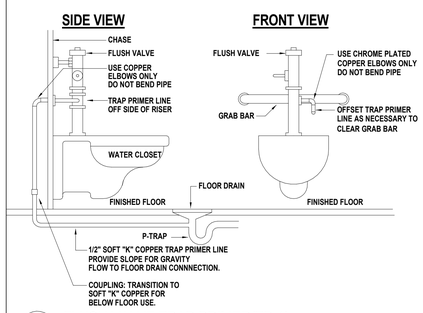


NOTE:
1. MAKE CONNECTION FROM PVC BELOW SLAB TO CAST IRON ABOVE SLAB WITH FERNCO TRANSITION COUPLING.
2. THERE IS TO BE NO EXPOSED PVC ABOVE SLAB.

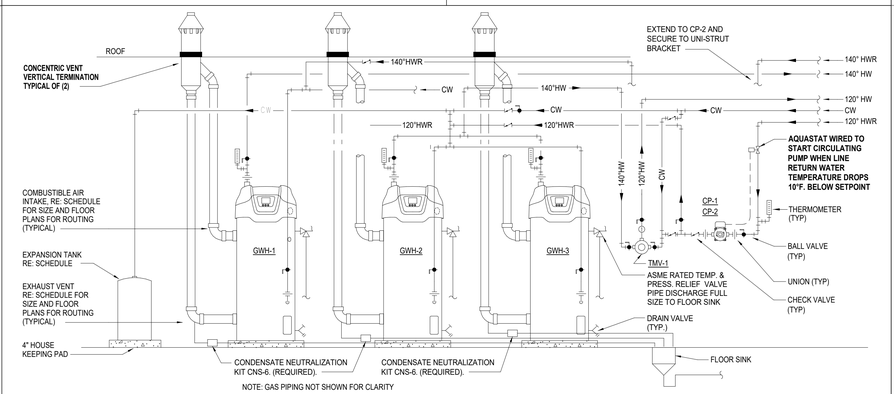
2 CAST IRON TO PVC TRANSITION
SCALE: NONE



16 ROOF HYDRANT (RH-1)
SCALE: NONE

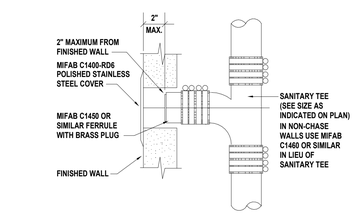


12 FLUSH VALVE TRAP PRIMER(TP-1)
SCALE: NONE



NOTE: GAS PIPING NOT SHOWN FOR CLARITY

8 DOMESTIC GAS WATER HEATER PIPING (GWH-3, GWH-4 AND GWH-5)
SCALE: NONE



1 WALL CLEANOUT
SCALE: NONE

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1 Addendum 2	02.06.2025

Director
Approver
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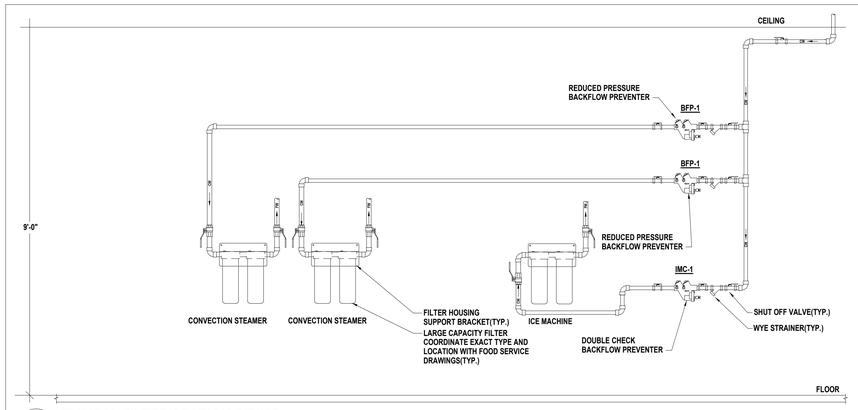
Proj. Arch.
Checker

Drawn By JH
Quality Control

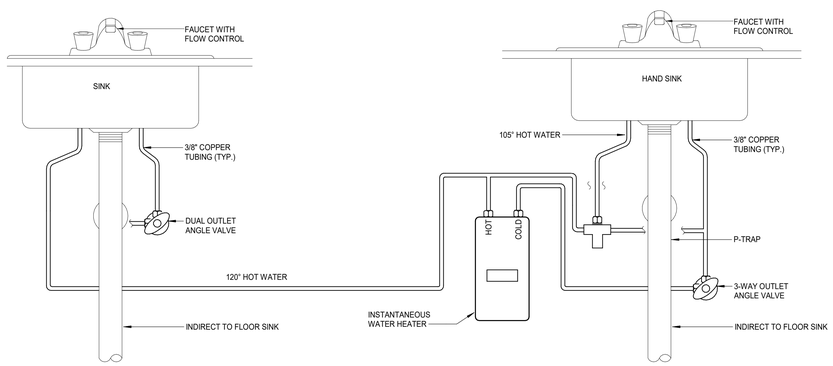
PROJECT NO.
23-148.00

SHEET TITLE
PLUMBING DETAILS

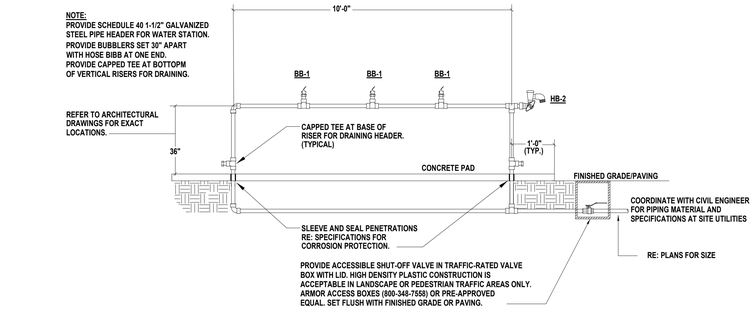
SHEET NO.
P5.01



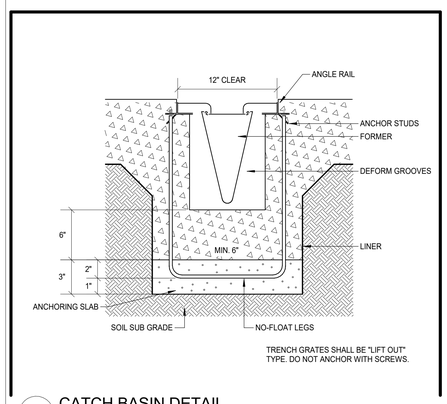
6 TYPICAL FILTER STATION PIPING
SCALE: NONE



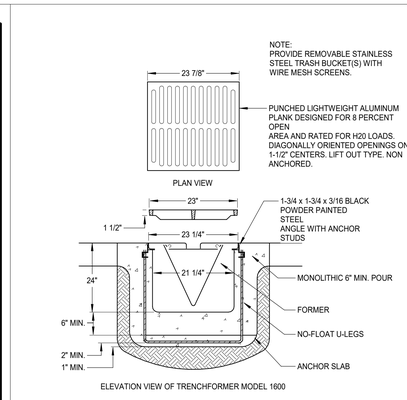
5 INSTANTANEOUS ELECTRIC WATER HEATER PIPING FOR SINK/LAVATORY - GREENHOUSE
SCALE: NONE



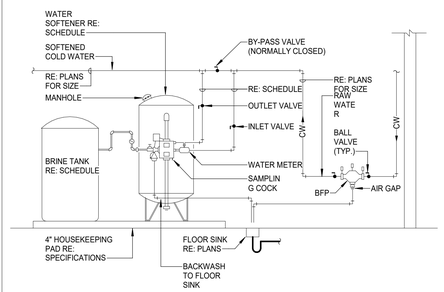
4 SITE WATER STATION CONNECTIONS
SCALE: NONE



3 CATCH BASIN DETAIL
SCALE: NONE



2 TRENCHFORMER TRENCH DRAIN
SCALE: NONE



1 WATER SOFTENING SYSTEM
SCALE: NONE

PLUMBING PIPING AND SYMBOLS LEGEND

SYMBOLS	DESCRIPTION
SAN	SANITARY OR WASTE PIPING (SAN)
SD	STORM DRAIN PIPING (SD)
V	VENT PIPING (V)
CW	COLD WATER PIPING (CW)
HW	HOT WATER PIPING (HW)
HWR	HOT WATER RETURN PIPING (HWR)
F	FIRE PROTECTION PIPING (F)
	FLOW DIRECTIONAL ARROW
	CONTINUATION
	ANGLE VALVE
	SHUT-OFF VALVE
	BALL VALVE (BV)
	BALL VALVE (BV)
	BUTTERFLY VALVE
	HORIZONTAL SWING CHECK
	HORIZONTAL SWING CHECK
	Y STRAINER
	UNION
	REDUCED PRESSURE BACKFLOW PREVENTER (RPBFP)
	PIPING DOWN
	RISE OR DROP PIPING
	PIPING UP -OR- PIPING UP & DOWN
	CAP ON END OF PIPE
	CLEANOUT (WALL OR CEILING) (CO)
	FLOOR CLEANOUT (FCO)
	EXTERIOR CLEANOUT WITH 18"x18"x4" CONCRETE PAD (ECO)
	TWO-WAY CLEANOUT (PROVIDE 18"x24"x4" CONCRETE PAD OUTSIDE)
	BRANCH CONNECTION OUT OF TOP
	BRANCH CONNECTION OUT OF BOTTOM
	BRANCH CONNECTION OUT OF SIDE
	WYE & 1/8TH BEND BRANCH CONNECTION
	WYE BRANCH CONNECTION
	HOSE BIBB
	PRESSURE GAUGE WITH COCK
	THERMOMETER
	WALL HYDRANT
	VALVE IN RISE
PLAN VIEW / ELEVATION	THERMOSTATIC MIXING VALVE (TMV)
	ASME TEMPERATURE & PRESSURE RELIEF VALVE
	PRESSURE RELIEF VALVE
	VACUUM RELIEF VALVE
1	REFER TO KEYED NOTE
FS	FLOOR SINK (FS)
	FLOOR DRAIN (FD)
	FLOOR DRAIN WITH P-TRAP (FD)
	FLOOR DRAIN WITH P-TRAP AT 45° ANGLE (FD)
	HUB DRAIN (HD)
	ACCESS PANEL FOR TRAP PRIMER OR SHOCK ABSORBER
AP	ACCESS PANEL LOCATION SYMBOL
	NEW CONNECTION
1	DELTA CHANGE SYMBOL
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
CAP.	CAPACITY
DIV.	DIVISION
(E)	EXISTING
(E)FD	EXISTING FLOOR DRAIN
GAL	GALLONS
GALV.	GALVANIZED
IE: 100.00'	INVERT ELEVATION
IN.	INCH
I.P.S.	IRON PIPE SIZE
MAX.	MAXIMUM
MIN.	MINIMUM
MFG	MANUFACTURER
PRESS.	PRESSURE
RE:	REFERENCE
SF	SQUARE FOOTAGE
STD	STANDARD
TEMP.	TEMPERATURE
T.A.S.	TEXAS ACCESSIBILITY STANDARD
(TYP.)	TYPICAL
VTR	VENT THROUGH ROOF

DISREGARD SYMBOLS AND ABBREVIATIONS NOT USED ON CONTRACT DRAWINGS

TANKLESS ELECTRIC WATER HEATER

ITEM NO.	TOTAL KW INPUT	GPM AND RATE OF RISE (F)	ELECTRICAL REQUIRED V/PH/HZ	WATER TEMP OUT	MANUFACTURER COMMENT
IWH-1	11.2	1.5 GPM @ 51°F	208/1/60	118°F	EEMAX MODEL EX144TC

NOTES:
1. MOUNT UNDER COUNTER OR LAVATORY/SINK.
2. CONTRACTOR SHALL VERIFY AVAILABLE WATER PRESSURE PRIOR TO PURCHASING AND INSTALLING EQUIPMENT.
3. INSTALL HEATER AND ROUTE PIPING BASED ON MANUFACTURERS RECOMMENDATIONS.
4. PROVIDE SCALESAFE PF10SS WATER TREATMENT FILTER AT EACH HEATER.

PUMPS

ITEM	DESCRIPTION	TYPE	GPM	HEAD FEET	H.P MIN.	VOLT/ PHASE	MAX RPM	MANUFACTURER AND MODEL
CP-1	CIRCULATION PUMP 120° LOOP	IN-LINE BRONZE	5	—	1/25	115/1/60	1750	GRUNDFOS ALPHA2 15-55SF

NOTES:
1. FACTORY SET CIRCULATION PUMP TO AUTO-ADAPT SETTING

SHOCK ARRESTORS

P.D.I SYMBOL	FIXTURE UNITS	CHAMBER LENGTH	THREADED CONNECTION
A	1-11	9 5/8"	1/2"
B	12-32	11 3/4"	3/4"
C	33-60	14 11/16"	1"
D	61-113	12 3/8"	1"
E	114-154	15 3/8"	1"
F	155-330	17 3/8"	1"

PLUMBING GENERAL NOTES

1. NOT USED.
2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE ALL WORK CLOSELY WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK, CONDUIT AND STRUCTURAL ITEMS. SHOULD A CONFLICT OCCUR CONTRACTOR MUST NOTIFY THE ARCHITECT/ ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.
4. ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODES, INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
5. COORDINATE ROUTING OF ALL BELOW GRADE PIPING WITH GRADE BEAMS. ADJUST INVERT ELEVATIONS OR PIPE ROUTING TO CLEAR GRADE BEAMS.
6. DO NOT ROUGH-IN FROM THESE DRAWINGS. REFER TO LATEST ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS.
7. COORDINATE ALL FIXTURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH LATEST ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO ANY ROUGH-INS.
8. PROTECT EQUIPMENT AND WORK FROM DAMAGE DURING HANDLING AND INSTALLATION UNTIL COMPLETION OF CONSTRUCTION.
9. REMOVE ALL EXCESS MATERIAL AND DEBRIS AND CLEAN ALL EQUIPMENT UPON COMPLETION OF WORK. TOUCH UP WITH PAINT WHERE REQUIRED.
10. ALL CONNECTIONS BETWEEN PIPES OF DISSIMILAR MATERIALS SHALL BE MADE WITH DI-ELECTRIC UNIONS. PROVIDE ACCESS PANELS WHERE REQUIRED.
11. EACH VENT SHALL TERMINATE VERTICALLY NOT LESS THAN 6" ABOVE ROOF, MAINTAIN MINIMUM 10'-0" DISTANCE BETWEEN VENT TERMINALS THROUGH ROOF AND ALL FRESH AIR INTAKES, AND A MINIMUM 5'-0" FROM ANY EXTERIOR WALL.
12. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF WORK.
13. CONTRACTOR TO PROVIDE (1) YEAR WARRANTY ON ALL ITEMS PROVIDED.
14. CONTRACTOR SHALL COORDINATE WITH OWNER BEFORE THE INTERRUPTION OF EXISTING SERVICES.
15. (E)PLUMBING FIXTURES AND RELATED ITEMS WHICH ARE TO BE REMOVED, SHALL BE SUBMITTED TO THE OWNER. ITEMS THE OWNER WISHES TO RETAIN SHALL BE DELIVERED TO STORAGE WHERE DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO RETAIN SHALL BE LEGALLY DISPOSED OF.
16. ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES, VALVES, ETC. ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS, ACCESS PANELS ARE NOT REQUIRED.
17. CLEANOUTS: PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF THE SAME SIZE AS THE PIPE THEY SERVE, CONFORMING TO CODE REQUIREMENTS. PROVIDE SUITABLE WALL OR FLOOR CLEANOUTS WITH ACCESSORIES TO OBSCURE FROM VIEW.
18. PROVIDE CARPET MARKERS AT ALL EXISTING CLEANOUTS THAT MAY RECEIVE NEW CARPET.
19. PROVIDE TRAP PRIMERS AT ALL NEW FLOOR DRAIN/FLOOR SINK LOCATIONS UNLESS NOTED OTHERWISE. SAWCUT CONCRETE WHERE REQUIRED.
20. CONTRACTOR SHALL INSPECT ALL SANITARY LINES 3" AND LARGER WITH A CAMERA WHEN CONSTRUCTION IS COMPLETED. REMOVE & DISPOSE OF ALL DEBRIS OBSTRUCTING THE DRAINAGE FLOW. REPAIR ALL DAMAGED PIPING FOUND DURING INSPECTION. FURNISH VIDEO TAPE OF INSPECTION TO OWNER UPON COMPLETION OF PROJECT.

NOTE: NOT ALL NOTES MAY APPLY TO THIS PROJECT.

GAS PIPING CALCULATIONS		
5 PSI GAS		
MEASURED LENGTH	=	1186
ADD FOR VALVES AND FITTINGS (10%)	=	119
TOTAL EQUIVALENT LENGTH	=	1305'
DESIGN: 1999 NATIONAL FUEL GAS CODE TABLE 9.9 - 1500' COLUMN		
8 OUNCE GAS		
MEASURED LENGTH	=	80'
ADD FOR VALVES AND FITTINGS (10%)	=	8'
TOTAL EQUIVALENT LENGTH	=	88'
DESIGN: 1999 NATIONAL FUEL GAS CODE TABLE 9.1 - 90' COLUMN		

GAS WATER HEATER SCHEDULE

ITEM NO.	BTU/HR. INPUT	GALS. PER HR. RECOVERY RATE 100°F RISE	STORAGE CAPACITY	ELECTRICAL REQUIRED	STORED WATER TEMP	MANUFACTURER COMMENT
GWH-1	499,900	557	220	120V/1□	140°	A. O. SMITH CYCLONE BTHL-500A
GWH-2	499,900	557	220	120V/1□	140°	A. O. SMITH CYCLONE BTHL-500A
GWH-3	250,000	285	250	120V/1□	140°	A. O. SMITH CYCLONE BTHL-250A

NOTES:
1. THE WATER HEATERS SHALL BE EQUIPPED WITH ASME RATED TANKS, ASME RATED TEMPERATURE PRESSURE AND RELIEF VALVES, IGNITION CONTROL DEVICES WITH INTEGRAL DIAGNOSTICS, LED FAULT DISPLAY AND DIGITAL DISPLAY OF TEMPERATURE SETTINGS.
2. NOX EMISSION SHALL NOT EXCEED 30 PPM, REFERENCED AT 3% O2. AND THE SYSTEMS SHALL BE PIPED WITH AN EXPANSION TANK. RE: SCHEDULE THIS SHEET (ET-1).
3. EACH WATER HEATER SHALL BE SUITABLE FOR SEALED COMBUSTION DIRECT-VENT USING 3" OR 4" CPVC PIPE FOR INTAKE AND EXHAUST. PROVIDE EACH WATER HEATER WITH AN A.O. SMITH CONCENTRIC VENT KIT #900532005. INSTALL PER MANUFACTURERS INSTRUCTIONS.
4. PROVIDE AND INSTALL A. O. SMITH CNS-2 CONDENSATE NEUTRALIZING KIT AT EACH HEATER IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

DOMESTIC HW EXPANSION TANK

ITEM NO.	DESCRIPTION	MAX. WORK PRESSURE	TANK VOL. GALLONS	MAX. ACCEPT. GALLONS	DIAMETER INCHES	MANUFACTURER AND MODEL
ET-1	HOT WATER EXPANSION TANK	150 PSI	8.6	3.2	12" DIA. 22" HEIGHT	AMTROL ST-20VC-DD

NOTES:
1. PROVIDE ASME POTABLE WATER EXPANSION TANK ON THE COLD WATER SUPPLY LINE, DOWNSTREAM OF THE CHECK VALVE.
2. PROVIDE HOUSEKEEPING PAD.
3. PROVIDE UNION CONNECTION.

THERMOSTATIC MIXING VALVE

ITEM NO.	TEMP. IN DEG. F	TEMP. OUT DEG. F	MIN. FLOW GPM	DES. FLOW GPM	VALVE FINISH	THERM-OMETER	UNION CONN.	PRESS DIFF.	MANUFACTURER/ MODEL
TMV-1	140	120	.5	30	ROUGH BRASS	DIAL	YES	5	BRADLEY S59-2130-R-B-P

NOTES: 1. PROVIDE WALL MOUNTING BRACKET, PROVIDE AT EACH HEATER EXCLUDING KITCHEN

GAS EQUIPMENT

EQUIPMENT NUMBER	DESCRIPTION	BTU PER HOUR LOAD	TOTAL BTU PER HOUR	TOTAL CFH
GWH-1, 2	WATER HEATERS	499,900	999,800	1000
GWH-3	WATER HEATERS (KITCHEN)	250,000	250,000	250
GREENHOUSE	GREENHOUSE	200,000	200,000	200
TOTAL:		949,900	1,449,800	1,450

GAS PRESSURE REGULATORS

ITEM NO.	DESCRIPTION	LOCATION	SERVES	CFH	INLET PRESSURE/ OUTLET PRESSURE
GPR-1	GAS PRESSURE REGULATOR	CENTRAL PLANT	GWH-1	500	5 PSI - INLET 8 OZ - OUTLET
GPR-2	GAS PRESSURE REGULATOR	CENTRAL PLANT	GWH-2	500	5 PSI - INLET 8 OZ - OUTLET
GPR-3	GAS PRESSURE REGULATOR	CENTRAL PLANT	GWH-3	250	5 PSI - INLET 8 OZ - OUTLET
GPR-4	GAS PRESSURE REGULATOR	GREENHOUSE	GREENHOUSE	200	5 PSI - INLET 8 OZ - OUTLET

NOTES:
1. MAINTAIN MINIMUM 20'-0" CLEARANCE BETWEEN REGULATOR VENTS AND OUTSIDE AIR INTAKES.
2. GAS PRESSURE REGULATORS INSIDE THE BUILDING ARE TO BE VENTED TO ATMOSPHERE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION.

WATER SOFTENER

ITEM	WS-1	
EXCHANGE CAPACITY EACH TANK GRAINS REQUIRED	400,000	
NUMBER OF TANKS	(1) RESIN, (1) BRINE	
CUBIC FEET RESIN EACH TANK	20	
SERVICE RATE (GPM)	78	
BACKWASH RATE (GPM)	35	
PIPE CONNECTION SIZE	2"	
SOFT WATER OUTPUT PER GENERATION EACH TANK (GALLONS)	50,000	
BRINE TANK CAPACITY SALT (LBS)	2,000	
MAX. SALT PER REGENERATION (LBS)	120	
MAX. SPACE AVAILABLE EXCLUDES SERVICE ACCESS (L x W x H)	87.5"x39"x91"	
TANK DIMENSIONS (DIA. x HEIGHT)	SOFTENER	BRINE
	36"x72"	39"x48"
MAKE/MODEL	MUELLER MODEL #WSF-600-31-MD	
REMARKS: ELECTRICAL REQUIREMENTS - 120 VAC FOR CONTROLLER (5 AMPS)		

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Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 2	02.06.2025

Director EH
Drawn By JH
Designer JH
Quality Control
Proj. Arch.

PROJECT NO.
23-148.00

SHEET TITLE
PLUMBING SCHEDULES AND DETAILS

SHEET NO.
P6.01

2024 Cy-Creek HS Renovation

PLUMBING FIXTURE SCHEDULE

TYPE:	WC-1 (T.A.S. COMPLIANT)
DESCRIPTION:	WATER CLOSET, WALL HUNG, WHITE VITREOUS CHINA, 1.28 GALLON PER FLUSH SIPHON JET ACTION, ELONGATED CLOSET BOWL WITH 1- 1/2" TOP SPUD AND BOLT COVERS. AMERICAN STANDARD "AFWALL" #2257.101.
SEAT:	ELONGATED OPEN FRONT BLACK PLASTIC SEAT WITH SELF SUSTAINING CONCEALED CHECK HINGES. BEMIS #1955SSCT.
FLUSH VALVE:	1.28 GALLON FLUSH CYCLE. EXPOSED, DIAPHRAGM TYPE, CHROME PLATED CLOSET FLUSHOMETER. VACUUM BREAKER, SPUD COUPLING FOR 1-1/2" TOP SPUD. SLOAN #111-1.28.
CARRIER:	WADE #311 AND #330 SERIES -AM1.
ROUGH-IN:	4" WASTE, 2" VENT, 1" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	WC-2 (STANDARD HEIGHT)
DESCRIPTION:	WATER CLOSET, WALL HUNG, WHITE VITREOUS CHINA, 1.28 GALLON PER FLUSH SIPHON JET ACTION, ELONGATED CLOSET BOWL WITH 1- 1/2" TOP SPUD AND BOLT COVERS. AMERICAN STANDARD "AFWALL" #2257.101.
SEAT:	ELONGATED OPEN FRONT BLACK PLASTIC SEAT WITH SELF SUSTAINING CONCEALED CHECK HINGES. BEMIS #1955SSCT.
FLUSH VALVE:	1.28 GALLON FLUSH CYCLE. EXPOSED, DIAPHRAGM TYPE, CHROME PLATED CLOSET FLUSHOMETER. VACUUM BREAKER, SPUD COUPLING FOR 1-1/2" TOP SPUD. SLOAN #111-1.28.
CARRIER:	WADE #311 AND #330 SERIES -AM1.
ROUGH-IN:	4" WASTE, 2" VENT, 1" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	U-1 (T.A.S. COMPLIANT)
DESCRIPTION:	URINAL, WALL HUNG, WHITE VITREOUS CHINA, 0.5 GALLON PER FLUSH, WASHOUT FLUSH ACTION, INTEGRAL TRAP, REMOVABLE DOMED STRAINER. AMERICAN STANDARD "ALLBROOOK" #6550.005
FLUSH VALVE:	0.5 GALLON FLUSH CYCLE. EXPOSED, DIAPHRAGM TYPE, CHROME PLATED URINAL FLUSHOMETER. VACUUM BREAKER, SPUD COUPLING FOR 3/4" TOP SPUD. SLOAN #186-0.5-H-573-CP.
CARRIER:	RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 4" SQUARE BASE ANCHORED TO CONCRETE WITH (4) 1/2" BOLTS, ADJUSTABLE SLEEVE, UPPER AND LOWER BEARING PLATES WITH THREADED STUDS. WADE #401-AM1-M36.
ROUGH-IN:	2" WASTE, 2" VENT, 3/4" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	L-1 (T.A.S. COMPLIANT) METERED - TEMPERED,
DESCRIPTION:	LAVATORY, WALL HUNG, WHITE VITREOUS CHINA, 20-1/2" X 18-1/4" WITH FRONT OVERFLOW AND CONCEALED ARM SUPPORTS, 4" FAUCET SPREAD. AMERICAN STANDARD "LUCERNE" #0356.015.
FAUCET:	CHROME PLATED BRASS DECK MOUNTED LAVATORY FAUCET WITH COVER PLATE, 4-1/8" SPOUT, AND PUSH BUTTON HANDLE INDEXED "PUSH". SELF CLOSING METERING CARTRIDGE, VANDAL RESISTANT 0.5 GPM AERATOR. CHICAGO MODEL #857-E66VP-665PSHAB.
MIX VALVE:	PROVIDE LAWLER MODEL #310. POINT OF USE MASTER CONTROLLER THERMOSTATIC MIXING VALVE FACTORY SET EACH LAVATORY TO TEMPER THE OUTLET WATER SUPPLY TO 105°F, 0.5 GPM FLOW RATE.
STRAINER:	1-1/4" 17 GAUGE CHROME PLATED BRASS GRID STRAINER WITH TAILPIECE. MCGUIRE #155A.
P-TRAP:	1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE #8872.
SUPPLIES:	1/2" I.P.S. X 3/8" O.D.CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE #2165LK.
CARRIER:	RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 3" X 4-1/2" BASE ANCHORED TO CONCRETE WITH (4) 1/2" BOLTS, ADJUSTABLE SLEEVE, THREADED CONCEALED ARMS, ALIGNMENT BAR, LOCKING DEVICE, AND LEVELING SCREWS. WADE 520-08.
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER - TEMPERED OUT. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	L-2 (T.A.S. COMPLIANT)
DESCRIPTION:	LAVATORY, WALL HUNG, WHITE VITREOUS CHINA, 20-1/2" X 18-1/4" WITH FRONT OVERFLOW AND CONCEALED ARM SUPPORTS, 4" FAUCET SPREAD. AMERICAN STANDARD "LUCERNE" #0356.015.
FAUCET:	CHROME PLATED BRASS, DECK MOUNTED, LAVATORY FITTING WITH VANDAL RESISTANT 4" WRISTBLADE HANDLES ON 4" CENTERS, 4" SPOUT AND VANDAL RESISTANT 0.5 GPM LAMINAR FLOW OUTLET. CERAMIC DISC QUARTER TURN OPERATING CARTRIDGES. CHICAGO FAUCETS 802-E70-317XKABCP
MIX VALVE:	PROVIDE POINT OF USE MIXING VALVE, FACTORY SET EACH LAVATORY TO TEMPER THE OUTLET WATER SUPPLY TO 105°F, 0.5 GPM FLOW RATE. LEONARD MODEL #170-LF-BRKT
STRAINER:	1-1/4" 17 GAUGE CHROME PLATED BRASS GRID STRAINER WITH TAILPIECE. MCGUIRE #155A.
P-TRAP:	1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE #8872.
SUPPLIES:	1/2" I.P.S. X 3/8" O.D.CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE #2165LK.
CARRIER:	RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 3" X 4-1/2" BASE ANCHORED TO CONCRETE WITH (4) 1/2" BOLTS, ADJUSTABLE SLEEVE, THREADED CONCEALED ARMS, ALIGNMENT BAR, LOCKING DEVICE, AND LEVELING SCREWS. WADE 520-08.
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER - REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	HS-1 (T.A.S. COMPLIANT) - ART
DESCRIPTION:	LAVATORY, WALL HUNG, WHITE VITREOUS CHINA, 20-1/2" X 18-1/4" WITH FRONT OVERFLOW AND CONCEALED ARM SUPPORTS, 4" CENTERSET FAUCET HOLES. AMERICAN STANDARD LUCERNE #0355.012.
FAUCET:	CHROME PLATED, 4" FIXED CENTERS, 4" VANDAL PROOF CHROME PLATED WRISTBLADE HANDLES, QUARTER TURN CERAMIC DISC CARTRIDGES, 5-1/4" RIGID/SWING GOOSENECK SPOUT, 1.5 GPM VANDAL PROOF NON AERATING LAMINAR FLOW OUTLET. CHICAGO #895-317GN2E64VPXKABCP.
MIXING VALVE:	ASSE 1070 CERTIFIED POINT OF USE MIXING VALVE, LEAD FREE BRONZE BODY, INTEGRAL CHECK VALVES, COMPRESSION FITTINGS, COPPER ENCAPSULATED THERMOSTAT ASSEMBLY WITH POLYMER THERMOPLASTIC SHUTTLE. LEONARD 170-LF-BRKT. (105 F)
STRAINER:	1-1/4" 17 GAUGE CHROME PLATED BRASS GRID STRAINER WITH TAILPIECE. MCGUIRE #155A.
P-TRAP:	1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE #8872C. SUPPLIES: 1/2" I.P.S. X 3/8" O.D.CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE #2165LK.
CARRIER:	RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 3" X 4-1/2" BASE ANCHORED TO CONCRETE WITH (4) 1/2" BOLTS, ADJUSTABLE SLEEVE, THREADED CONCEALED ARMS, ALIGNMENT BAR, LOCKING DEVICE, AND LEVELING SCREWS. WADE 520-08.
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" COLD WATER ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	HS-2 (T.A.S. COMPLIANT) - KITCHEN
DESCRIPTION:	HAND SINK, WALL HUNG, STAINLESS STEEL, 16-3/4" X 15-1/2" X 13", SINGLE BOWL, BUFFED SATIN, 304 STAINLESS STEEL, CENTER DRAIN LOCATION. ELKAY #CHS17162.
FAUCET:	WALL MOUNT FAUCET, 8" CENTERSET, 5-1/4" GOOSENECK SPOUT, QUARTER TURN CERAMIC CARTRIDGES, 1.5 GPM PRESSURE COMPENSATING AERATOR, VANDAL PROOF 4" WRISTBLADE HANDLE, INTEGRATED CHECK VALVE. CHICAGO #631-GN2AE35XKCABCP.
MIXING VALVE:	ASSE 1070 CERTIFIED POINT OF USE MIXING VALVE, LEAD FREE BRONZE BODY, INTEGRAL CHECK VALVES, COMPRESSION FITTINGS, COPPER ENCAPSULATED THERMOSTAT ASSEMBLY WITH POLYMER THERMOPLASTIC SHUTTLE. LEONARD 170-LF-BRKT. (110 F)
STRAINER:	1-1/4" 17 GAUGE CHROME PLATED BRASS GRID STRAINER WITH TAILPIECE. MCGUIRE #155MN.
P-TRAP:	1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE #8872C.
SUPPLIES:	1/2" I.P.S. X 3/8" O.D.CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE #2165LK.
CARRIER:	PROVIDED WITH WALL HANGERS.
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" COLD WATER ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	HS-3 (T.A.S. COMPLIANT) GREENHOUSE
DESCRIPTION:	HAND SINK, WALL HUNG, 18 GAUGE 304 STAINLESS STEEL BUFFED SATIN FINISH 22" X19" X10", REAR DRAIN, SINGLE HOLE WITH WALL HANGER AND SUPPORT BRACKETS. ELKAY ELVWO2219
FAUCET:	CHROME PLATED BRASS, DECK MOUNTED FITTING WITH 8" RIGID SWING GOOSENECK SPOUT RESISTANT 4" WRISTBLADE HANDLES ON 4" CENTERS, 4" SPOUT AND 1.0 GPM LAMINAR FLOW OUTLET. CERAMIC DISC QUARTER TURN OPERATING CARTRIDGES. CHICAGO FAUCETS 201-G8AE65-317XKABCP
MIX VALVE:	PROVIDE POINT OF USE MIXING VALVE, FACTORY SET EACH LAVATORY TO TEMPER THE OUTLET WATER SUPPLY TO 105°F, 0.5 GPM MINIMUM FLOW RATE. LEONARD MODEL #170-LF-BRKT
STRAINER:	1-1/4" 17 GAUGE CHROME PLATED BRASS GRID STRAINER WITH TAILPIECE. MCGUIRE #155A.
P-TRAP:	1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE #8872C.
SUPPLIES:	1/2" I.P.S. X 3/8" O.D.CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE #2165LK.
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER - REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	SK-1(NON-COMPLIANT) - DIGITAL ART ROOM SINK
DESCRIPTION:	16 GAUGE, TYPE 304 STAINLESS STEEL SINGLE BOWL DROP IN SINK SINK MEASURES 31"X 22"X 11-5/8", CENTER DRAIN ELKAY DLR322212
FAUCET:	CHROME PLATED BRASS DECK MOUNTED FITTING WITH HIGH GOOSENECK SPOUT AND 4" WRIST BLADE HANDLES ON 8" CENTERS. QUARTER TURN CERAMIC DISC OPERATING CARTRIDGES, VANDAL RESISTANT 1.0 GPM AERATOR. CHICAGO MODEL 786-GN8AE73XKABCP.
STRAINER:	1-1/4" 17 GAUGE CHROME PLATED BRASS GRID STRAINER WITH TAILPIECE. MCGUIRE #152MN
SUPPLIES:	1/2" I.P.S. X 3/8" O.D.CHROME PLATED LOOSE KEY STOP VALVES WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165LK.
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	SK-2(NON-COMPLIANT) - ART TROUGH SINK
DESCRIPTION:	14 GAUGE, TYPE 304 STAINLESS STEEL WALL MOUNTED MULTI-STATION SINK SINK MEASURES 48"X 20"X 8", 10" STAINLESS STEEL BACKSPLASH WITH 2 SETS OF 2-HOLES ON 8" CENTERS, NO DRAINBOARD, 45" X 16"X 8" DEEP COMPARTMENT PROVIDE WITH WALL MOUNTING BRACKET . ELKAY EWMA48204
FAUCET:	CHROME PLATED BRASS WALL MOUNT FAUCET (2) WITH 5-1/4" RIGID SWING GOOSENECK SPOUT, 1.5 GPM FLOW AERATOR AND 4" WRIST BLADE HANDLES ON 8" CENTERS. QUARTER TURN CERAMIC DISC OPERATING CARTRIDGE CHICAGO W8W-GN2AE35-317AB
STRAINER:	CHROME PLATED BRASS WIDE TOP PERFORATED SINK STRAINER WITH, 1-1/2" CHROME PLATED BRASS TAILPIECE. MCGUIRE 152MN.
INTERCEPTOR:	CAST IRON SOLIDS INTERCEPTOR WITH GASKETED COVER, A.R.C. COATED INTERIOR, REMOVABLE SEDIMENT BUCKET, RATED FOR 15 GPM, 1" NPT BRASS CLEAN OUT PLUG. UNION CONNECTION ON EACH SIDE.WADE 5740.
SUPPLIES:	1/2" I.P.S. X 3/8" O.D.CHROME PLATED LOOSE KEY STOP VALVES WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165LK.
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	SK-3(NON-COMPLIANT) - GREENHOUSE TROUGH SINK
DESCRIPTION:	14 GAUGE, TYPE 304 STAINLESS STEEL WALL MOUNTED MULTI-STATION SINK SINK MEASURES 48"X 20"X 8", 10" STAINLESS STEEL BACKSPLASH WITH 2 SETS OF 2-HOLES ON 8" CENTERS, NO DRAINBOARD, 45" X 16"X 8" DEEP COMPARTMENT PROVIDE WITH WALL MOUNTING BRACKET . ELKAY EWMA48204
FAUCET:	CHROME PLATED BRASS WALL MOUNT FAUCET (2) WITH 5-1/4" RIGID SWING GOOSENECK SPOUT, 1.5 GPM FLOW AERATOR AND 4" WRIST BLADE HANDLES ON 8" CENTERS. QUARTER TURN CERAMIC DISC OPERATING CARTRIDGE CHICAGO W8W-GN2AE35-317AB
STRAINER:	CHROME PLATED BRASS WIDE TOP PERFORATED SINK STRAINER WITH, 1-1/2" CHROME PLATED BRASS TAILPIECE. MCGUIRE 152MN.
SUPPLIES:	1/2" I.P.S. X 3/8" O.D.CHROME PLATED LOOSE KEY STOP VALVES WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165LK.
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	MS-1
DESCRIPTION:	MOP SINK BASIN, 32" X 32" X 12" HIGH CORNER TYPE, PRECAST TERRAZZO WITH 6" DROPPED FRONT, STAINLESS STEEL THRESHOLD CAP, AND DOUBLE STAINLESS STEEL WALL GUARDS. STERN-WILLIAMS "CORLOW" #SBC-1725 WITH BP SPLASH PANELS, #T-40 MOP HANGER, AND #T-35 HOSE.
FAUCET:	CHROME PLATED BRASS WALL MOUNTED FITTING WITH CHECK IN STOPS, ADJUSTABLE SUPPLY ARMS, VACUUM BREAKER SPOUT WITH PAIL HOOK AND WALL BRACE, 2-1/2" INDEXED LEVER HANDLES ON 8" CENTERS. CERAMIC DISC CARTRIDGES, 3/4" MALE HOSE THREAD OUTLET. CHICAGO #445-897SRCXKCP.
ROUGH-IN:	3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER.

TYPE:	EDF-1 (T.A.S. COMPLIANT) WITH BOTTLE FILLER
DESCRIPTION:	WALL HUNG, BARRIER FREE, SELF-CONTAINED, SPLIT-LEVEL ELECTRIC DRINK FOUNTAIN WITH INTEGRAL HYDROBOOST QUICK FILL (1.1 GPM) BOTTLE FILLING STATION ON LOWER UNIT, ALL STAINLESS STEEL, FLEXIBLE BUBBLER GUARD SHALL DELIVER 8 GPH OF 50 DEGREE WATER AT 90 DEGREE AMBIENT AND 80 DEGREE INLET WATER. NON-FILTERED, STAINLESS STEEL BASIN WITH ANTI-SPLASH RIDGE AND REMOVABLE DRAIN STRAINER, GREEN COUNTER. PROVIDE CANE TOUCH APRON IN ALL STAINLESS STEEL ON ALL UNITS MOUNTED WITH A CLEAR KNEE SPACE GREATER THAN 27" HIGH. HALSEY TAYLOR HTHB-HVRGRN8BL-NF WITH APRON 98342C.
P-TRAP:	1-1/4" CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON. MCGUIRE #8872.
SUPPLIES:	1/2" I.P.S. X 3/8" O.D.CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE #2165LK.
CARRIER:	RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 3" X 4-1/2" BASE ANCHORED TO CONCRETE SLAB WITH (4) 1/2" BOLTS. ADJUSTABLE SLEEVE FOR CONNECTION TO HANGER PLATE PROVIDED BY FIXTURE MANUFACTURER. WADE #403.
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	SH-1 (T.A.S. COMPLIANT) - INDIVIDUAL SHOWER STATION
DESCRIPTION:	SHOWER, JOB BUILT BASE AND TILED ENCLOSURE INSTALLED PER ARCHITECTURAL DRAWINGS. CONFIRM CONFIGURATION AND ORIENTATION WITH ARCHITECTURAL DRAWINGS.
CONTROLS:	PRESSURE BALANCING HOT AND COLD WATER SHOWER CONTROL VALVE WITH VANDAL RESISTANT LEVER HANDLE, INTEGRAL CHECKSTOPS, AND ADJUSTABLE TEMPERATURE LIMIT SCREW. CAST BRASS VALVE BODY. ALL EXPOSED MATERIALS STAINLESS STEEL OR CHROME PLATED BRASS. 1.5 GPM HAND HELD SHOWER WITH 60" METAL CLAD FLEXIBLE HOSE, CHROME PLATED BRASS SUPPLY ARM, VACUUM BREAKER, MOUNTING BRACKET AND 24" METAL SLIDE BAR. BRADLEY #1C-HD-A24.
DRAIN:	(E)DRAIN TO REMAIN, CLEAN AND RESTORE STRAINER TO LIKE NEW CONDITION
ROUGH-IN:	2" WASTE, 2" VENT, 1/2" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.

TYPE:	HB-1 - COLD WATER INDOORS
DESCRIPTION:	HOSE BIBB. EXPOSED TYPE, MILD CLIMATE, WALL-MOUNTED FAUCET WITH 3/4" F.P.T. INLET, 3/4" MALE HOSE THREAD OUTLET AND SELF-DRAINING ANTI SIPHON VACUUM BREAKER. CHROME PLATED BRASS FINISH WITH REMOVABLE TEE HANDLE. CHICAGO #952-CP.
ROUGH-IN:	3/4" COLD WATER. INSTALL WITH OUTLET AT 18" A.F.F. OR AS DIRECTED BY ARCHITECT/OWNER.

TYPE:	HB-2 - COLD WATER OUTDOORS
DESCRIPTION:	HOSE BIBB, 3/4" F.P.T. INLET, 3/4" MALE HOSE THREAD OUTLET ROUGH CHROME PLATED BRASS WITH BODY DRAIN PLUG, VACUUM BREAKER AND REMOVEABLE TEE HANDLE CHICAGO #998-RCF.
ROUGH-IN:	3/4" COLD WATER.

TYPE:	RH-1 - ROOF HYDRANT
DESCRIPTION:	ROOF HYDRANT, DRAIN CANISTER BELOW ROOF LINE , 3/4" F.P.T. INLET, 3/4" MALE HOSE THREAD OUTLET AND SELF-DRAINING ANTI SIPHON VACUUM BREAKER. 1" SCHEDULE 40 GALVANIZED RISER AND SELF ADJUSTING SOLID BRASS OPERATING ROD. MAPA PRODUCTS #MPH-24-FP (NO SUBSTITUTIONS)
ROUGH-IN:	3/4" COLD WATER

TYPE:	WH-1
DESCRIPTION:	WALL HYDRANT IN S.S. BOX, 3/4" NON FREEZE, HALF TURN CERAMIC DISC CARTRIDGE, STAINLESS STEEL FINISH WITH ANTI SIPHON VACUUM BREAKER AND LOOSE TEE KEY. INSTALL WITH BOTTOM OF HYDRANT 18" A.F.F. WADE #8601-MT-175.
ROUGH-IN:	3/4" COLD WATER

TYPE:	WH-2
DESCRIPTION:	WALL HYDRANT IN S.S. BOX, 3/4" NON FREEZE, HALF TURN CERAMIC DISC CARTRIDGE, STAINLESS STEEL FINISH WITH ANTI SIPHON VACUUM BREAKER AND LOOSE TEE KEY. INSTALL WITH BOTTOM OF HYDRANT 24" A.F.F. WADE #8606HC-89.
ROUGH-IN:	3/4" COLD WATER

TYPE:	IMC-1
DESCRIPTION:	ICE MACHINE CONNECTION, WATER SUPPLY VALVED AT WALL. PROVIDE DOUBLE CHECK VALVE TYPE BACKFLOW PREVENTER AND WATER FILTER. WATTS 3/4" 007-S BACKFLOW PREVENTER AND PENTAIR EVERPURE QC71 QUAD PARALLEL HEAD FILTER WITH i4000 CARTRIDGE. ROUTE BACKFLOW PREVENTER DISCHARGE TO FLOOR SINK SERVING ICE MACHINE.
ROUGH-IN:	3/4" COLD WATER. COORDINATE ROUGH-IN LOCATION/HEIGHT, FINAL CONNECTION WITH EQUIPMENT BEING INSTALLED AND WITH ARCHITECTURAL/CASEWORK DRAWINGS.

TYPE:	WMB-1
DESCRIPTION:	STAINLESS STEEL WASHING MACHINE DRAIN BOX, NPT WATER SUPPLY CONNECTIONS AND DRAIN FITTING. 1/2" PRE-INSTALLEED ARRESTOR VALVES GUY GRAY SSWB3
ROUGH-IN:	2" WASTE, 2" VENT, 3/4" COLD WATER AND 3/4" HOT WATER

TYPE:	TP-1
SERVICE:	SERVES SINGLE FLOOR DRAIN TRAP.
DESCRIPTION:	FLUSH VALVE TRAP PRIMER, 1-1/2" O.D. X 12" 17 GAUGE PRIMING TUBE WITH VACUUM BREAKER. PRECISION PLUMBING PRODUCTS FVP-1VB.

TYPE:	TP-2
SERVICE:	SERVES 1 TO 4 FLOOR DRAIN TRAPS, REFER TO PLANS.
DESCRIPTION:	ELECTRONIC TRAP PRIMER WITH DISTRIBUTION UNIT AND NEMA 1 BOX. SURFACE MOUNT IN MECHANICAL ROOM OR CUSTODIAL CLOSET. PRECISION PLUMBING PRODUCTS MINI-PRIME MPB-500-115V WITH DISTRIBUTION UNIT.
ROUGH-IN:	1/2" COLD WATER

TYPE:	TP-3 (FLUSH MOUNT)
SERVICE:	SERVES 1 TO 30 FLOOR DRAIN TRAPS, REFER TO PLANS.
DESCRIPTION:	ELECTRONIC TRAP PRIMER WITH DISTRIBUTION MANIFOLD AND NEMA 1 CABINET WITH STAINLESS STEEL ACCESS DOOR. FLUSH MOUNT IN WALL IN FINISHED SPACE. PRECISION PLUMBING PRODUCTS PRIME-TIME ELECTRONIC TRAP PRIMER.
ROUGH-IN:	3/4" COLD WATER. **NOT TO BE INSTALLED ABOVE CEILING**.

TYPE:	BFP-1 (2" AND SMALLER)
DESCRIPTION:	BACKFLOW PREVENTER, REDUCED PRESSURE ZONE TYPE WITH TWO INLINE INDEPENDENT CHECK VALVES WITH AN INTERMEDIATE RELIEF VALVE. COMPLETE WITH TWO FULL PORTED BALL VALVE SHUT-OFFS AND BALL TYPE TEST COCKS. BRONZE STRAINER ON INLET. REFER TO FLOOR PLANS FOR SIZES. MOUNT AT 48" A.F.F. UNLESS NOTED OTHERWISE ON DRAWINGS. PROVIDE AIR GAP WITH DRAIN PIPE TO NEAREST FLOOR DRAIN. WATTS #909-QT-S.

TYPE:	FD-1
SERVICE:	TOILET ROOMS AND GENERAL USE
DESCRIPTION:	FLOOR DRAIN, PAINTED CAST IRON BODY WITH ANCHOR FLANGE, SEEPAGE OPENINGS, CAST IRON ADJUSTABLE 6" DIAMETER TOP, STAINLESS STEEL FRAME WITH SECURED SLOTTED GRATE, 1/2" NPT TRAP PRIMER TAP (PLUGGED), REVERSIBLE CLAMPING COLLAR, BOTTOM OUTLET, LOAD RATING - LIGHT DUTY. WADE #1100-MR6-8-85.
TRAP SEAL:	TRAP SERVED BY TRAP PRIMING DEVICE, REFER TO PLANS FOR SPECIFIC TYPE.
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL DRAWINGS / FLOOR CONSTRUCTION.

TYPE:	FD-2 SERVICE: KITCHEN AREA CLEANUP
DESCRIPTION:	FLOOR DRAIN, CAST IRON BODY, 8" DIAMETER STAINLESS STEEL STRAINER, 6" DEEP SUMP, A.R.E. INTERIOR, SEDIMENT BUCKET, BOTTOM OUTLET WITH 1/2" TRAP PRIMER CONNECTION. WADE 9010-27-SS.
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH ARCHITECTURAL / KITCHEN CONSULTANT DRAWINGS.

TYPE:	FD-3 SERVICE: KITCHEN REFRIGERATION EQUIPMENT CONDENSATE
DESCRIPTION:	FLOOR DRAIN, CAST IRON BODY, ADJUSTABLE 6" DIAMETER STAINLESS STEEL STRAINER WITH VANDAL PROOF SCREWS, INTEGRAL CLAMPING DEVICE, BOTTOM OUTLET WITH 1/2" TRAP PRIMER CONNECTION, 6" DIAMETER STAINLESS STEEL FUNNEL ATTACHMENT. WADE 1100-MR6-EF6-SS.
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL / KITCHEN CONSULTANT DRAWINGS.

TYPE:	FD-4
SERVICE:	CAN WASH
DESCRIPTION:	FLOOR DRAIN, CAST IRON BODY, 12" ROUND LOOSE SET DUCTILE IRON TRACTOR GRATE. LOOSE SET ALUMINUM SEDIMENT BUCKET, WITH 1/2" TRAP PRIMER CONNECTION. WADE 1210 SERIES WITH SEDIMENT BUCKET.
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH ARCHITECTURAL / KITCHEN CONSULTANT DRAWINGS.

TYPE:	FS-1
SERVICE:	MECHANICAL ROOM EQUIPMENT CONDENSATE
DESCRIPTION:	A.R.E. COATED CAST IRON BODY 12" SQUARE FLOOR SINK WITH 8" DEEP SUMP, BOTTOM OUTLET, LOOSE SET CAST IRON SECONDARY STRAINER, CLAMPING DEVICE, STAINLESS STEEL HALF TOP GRATE, BOTTOM OUTLET WITH 1/2" TRAP PRIMER CONNECTION. WADE #9140-6-15-26-85.
TRAP SEAL:	TRAP SERVED BY TRAP PRIMING DEVICE, REFER TO PLANS FOR SPECIFIC TYPE
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH EQUIPMENT PLACEMENT.

TYPE:	FS-2
SERVICE:	ICE MACHINE DRAIN
DESCRIPTION:	CAST IRON 8" SQUARE FLOOR SINK WITH 6" DEEP SUMP, A.R.E. INTERIOR, ALUMINUM DOME BOTTOM STRAINER, 1/2 STAINLESS STEEL TOP, CLAMPING DEVICE. BOTTOM OUTLET WITH 1/2" TRAP PRIMER CONNECTION. WADE 9110-85-15-26-27. REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION
ROUGH-IN:	COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS / EQUIPMENT PLACEMENT.

TYPE:	FS-3
SERVICE:	KITCHEN INDIRECT WASTE
DESCRIPTION:	CAST IRON 12" SQUARE FLOOR SINK WITH 8" DEEP SUMP, A.R.E. INTERIOR, ALUMINUM DOME BOTTOM STRAINER, LOOSE SET CAST IRON SECONDARY STRAINER, AND CLAMPING DEVICE, BOTTOM OUTLET WITH 1/2" TRAP PRIMER CONNECTION. WADE 9140-85-15-26-27.
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH ARCHITECTURAL / KITCHEN CONSULTANT DRAWINGS.

TYPE:	HD-1
SERVICE:	KITCHEN TRENCH OUTLET
DESCRIPTION:	FLOOR DRAIN, CAST IRON BODY, ADJUSTABLE 5" DIAMETER STAINLESS STEEL DOME STRAINER WITH INTEGRAL CLAMPING DEVICE, AND BOTTOM OUTLET. WADE 1100-K-85.
ROUGH-IN:	REFER TO FOODSERVICE DRAWINGS FOR TRENCH AND FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH FOOD SERVICE AND ARCHITECTURAL DRAWINGS.

TYPE:	TD-1
SERVICE:	GREENHOUSE TRENCH
DESCRIPTION:	CAST IN PLACE CONCRETE FORMED WITH PRE-MANUFACTURED EXPANDED POLYSTYRENE WITH EMBEDDED GALVANIZED STEL INLAY RAILS WITH NO FLOAT LEGS. TRENCH SIZE 12" WIDE X DEPTH TOP VARY WITH SLOPE X 50'-0" LONG. ABT PRE-MANUFACTURED FORMING SYSTEM TFX SERIES TRENCH FORMER TR12-12.806B.FB-F21G
GRATE:	12" WIDE PUNCHED LIGHTWEIGHT ALUMINUM PLANKS DESIGNED FOR 8% OPEN AREA AND RATED FOR H20 LOADS.DIAGONALLY ORIENTED OPENINGS ON 1-1/2" CENTERS. LIFT OUT TYPE, WITH TOGGLE LOCK ANCHORS ABT 12.806B.FB
ROUGH-IN:	REFER TO FOODSERVICE DRAWINGS FOR TRENCH AND FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH FOOD SERVICE AND ARCHITECTURAL DRAWINGS.

TYPE:	CB-1
SERVICE:	GREENHOUSE TRENCH
DESCRIPTION:	CAST IN PLACE CONCRETE CATCH BASIN. 12" X2'-0" CATCH BASIN SIZE, 304 STAINLESS STEEL TRASH BASKET, 10X10 WIRE CLOTH, NO-FLOAT REBAR U-LEGS. PRE-MANUFACTURED FORMING SYSTEM BY ABT INC. SERIES TFX-12 WITH TRASH BUCKET MODEL 1904. LOCATE BASKET BELOW FINAL DEPTH OF TRENCH
GRATE:	12" WIDE PUNCHED LIGHTWEIGHT ALUMINUM PLANKS DESIGNED FOR 8% OPEN AREA AND RATED FOR H20 LOADS.DIAGONALLY ORIENTED OPENINGS ON 1-1/2" CENTERS. LIFT OUT TYPE, WITH TOGGLE LOCK ANCHORS ABT 12.806B.FB
ROUGH-IN:	REFER TO FOODSERVICE DRAWINGS FOR TRENCH AND FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH FOOD SERVICE AND ARCHITECTURAL DRAWINGS.

TYPE:	RD-1
DESCRIPTION:	ROOF DRAIN. CAST IRON BODY WITH FLANGE, FLASHING RING WITH GRAVEL STOP, ALUMINUM DOME, UNDERDECK CLAMP AND ADJUSTABLE EXTENSION AS REQUIRED FOR ROOF CONSTRUCTION. PUSH ON CONNECTION ONLY. WADE 3000-46-52-53
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL DRAWINGS.

TYPE:	RD-2
DESCRIPTION:	OVERFLOW ROOF DRAIN. CAST IRON BODY WITH FLANGE, FLASHING RING WITH GRAVEL STOP, ALUMINUM DOME, 2" HIGH WATER DAM, UNDERDECK CLAMP AND ADJUSTABLE EXTENSION AS REQUIRED FOR ROOF CONSTRUCTION. PUSH ON CONNECTION ONLY. WADE 3000-46-52-53
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL DRAWINGS.

TYPE:	DN-1
DESCRIPTION:	OVERFLOW DOWNSPOUT NOZZLE. CAST BRONZE WIOTH THREADED OR NO HUB OUTLET AND FLANGE TO SECURE NOZZLE TO WALL INSTALL AT 12" ABOVE FINISHED SLAB OR AS DIRECTED BY ARCHITECT WADE 3940-RB
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL DRAWINGS.

TYPE:	ECO
DESCRIPTION:	EXTERIOR CLEANOUT TO GRADE, PAINTED CAST IRON BODY WITH ANCHOR FLANGE ADJUSTABLE TOP ASSEMBLY, AND ROUND SCORIATED VANDAL RESISTANT DUCTILE IRON TRACTOR TYPE COVER. IF LOCATED IN ASPHALT OR DIRT PROVIDE 18"X18"X12" CONCRETE PAD. WADE #6000-Z.

TYPE:	FCO
DESCRIPTION:	FLOOR CLEANOUT, PAINTED CAST IRON BODY WITH ANCHOR FLANGE, ADJUSTABLE TOP, SECURED SCORIATED ADJUSTABLE ABS PLASTIC HOUSINGS, ABS PLASTIC GASKETED PLUG AND BOTTOM OUTLET. WADE #6000-102. FOR CARPETED FLOORS PROVIDE WADE #6000-102-CM. FOR TERRAZO TILES #6000-102-U, FOR RECESSED TILE #6000-102-T. FOR VCT TILES COORDINATE WITH MANUFACTURER FOR INSTALLATION INSTRUCTIONS.

TYPE:	WCO
DESCRIPTION:	WALL CLEANOUT. CAST IRON CLEANOUT FERRULE WITH COUNTERSUNK BRONZE PLUG AND ROUND STAINLESS COVER PLATE WITH CENTER SECURING SCREW. WADE #8550-75 WITH #8480-R6. PROVIDE WADE #8560 CAST IRON CLEANOUT TEE IN LIEU OF FERRULE AS REQUIRED FOR WALL CONSTRUCTION.

TYPE:	TG-1
DESCRIPTION:	TRAP GUARD, PROVIDE PRO-SET SYSTEMS, INC. RETROFIT TRAP GUARD FACTORY FITTED TO MATCH EACH DRAIN BY SIZE, MODEL, AND MANUFACTURER. REFER TO FLOOR PLANS FOR SIZES.
ROUGH-IN:	REFER TO FLOOR PLANS FOR SIZES.COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS / EQUIPMENT PLACEMENT.

TYPE:	BB-1
DESCRIPTION:	PUSH BUTTON VALVE BUBBLER, WITH BUILT IN WATER VOLUME CONTROL HEAVY CHROME PLATED BRASS BODY. ELKAY LK142
ROUGH-IN:	1/2" COLD WATER COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS / EQUIPMENT PLACEMENT.

TYPE:	(E)FD
DESCRIPTION:	EXISTING FLOOR DRAIN, FLOOR SINK, HUB DRAIN OR TRENCH DRAIN, CLEAN AND RESTORE STRAINER/GRATE TO LIKE NEW CONDITION. REPLACE IF BROKEN.
ROUGH-IN:	FIELD VERIFY EXISTING LOCATIONS

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GENERAL NOTES

ALL LAVATORIES AND SINKS SHALL BE SUPPLIED WITH HOT AND COLD WATER (UNLESS NOTED TO BE COLD WATER ONLY) TO FAUCETS AS INDICATED ON PLANS AND FIXTURE SCHEDULE. PROVIDE CHROME PLATED BRASS SUPPLY STOPS WITH LOOSE KEYS AND WALL ESCUTCHEONS. PROVIDE CHROME PLATED FLEXIBLE RISERS OF SIZE REQUIRED TO PROPERLY CONNECT FIXTURES. PROVIDE 17 GAUGE CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON (UNLESS NOTED TO BE AN ACID WASTE FIXTURE). REFER TO FIXTURE SCHEDULE FOR MINIMUM SIZES OF PLUMBING FIXTURE ROUGH-INS.

INSULATION KITS AT ALL LAVATORIES AND SINKS REQUIRED TO BE T.A.S. ACCESSIBLE (MCGUIRE OR TRUEBRO). ALL SUCH FIXTURES AND FINAL INSTALLATIONS SHALL COMPLY WITH THE STATE ACCESSIBILITY STANDARDS REQUIREMENTS.

INSERT TRAP GUARDS AFTER FINAL RODDING OF DRAINS. INSTALL TRAP GUARD WITH CLEAR SILICONE CAULK FOR GAS-TIGHT SEAL. FOR DRAIN RODDING AFTER INSTALLATION. INSERT SEWER TAPE THROUGH LIGHTLY GREASED 1-1/2" PVC PIPE TO PROTECT TRAP GUARD.

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Salas O'Brien Project Number: 2023-05939-00

Issue For Proposal

Bradley Kalmans
BRADLEY KALMANS
80219
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director	Drawn By
Approver	JH
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
23-148.00

SHEET TITLE
PLUMBING SCHEDULES

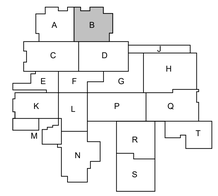
2024 Cy-Creek HS Renovation

SHEET NO.
P6.02

N

1 **TECHNOLOGY DEMOLITION FLOOR PLAN - LEVEL 1 - UNIT B**

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



KEY PLAN - LEVEL ONE

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Salas O'Brien Project Number: 2023-05939-00

CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

2024 Cy-Creek HS Renovation

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 2	02.06.2025

Director DS	Drawn By NY
Designer NY	Quality Control AY
Proj. Arch.	

PROJECT NO.

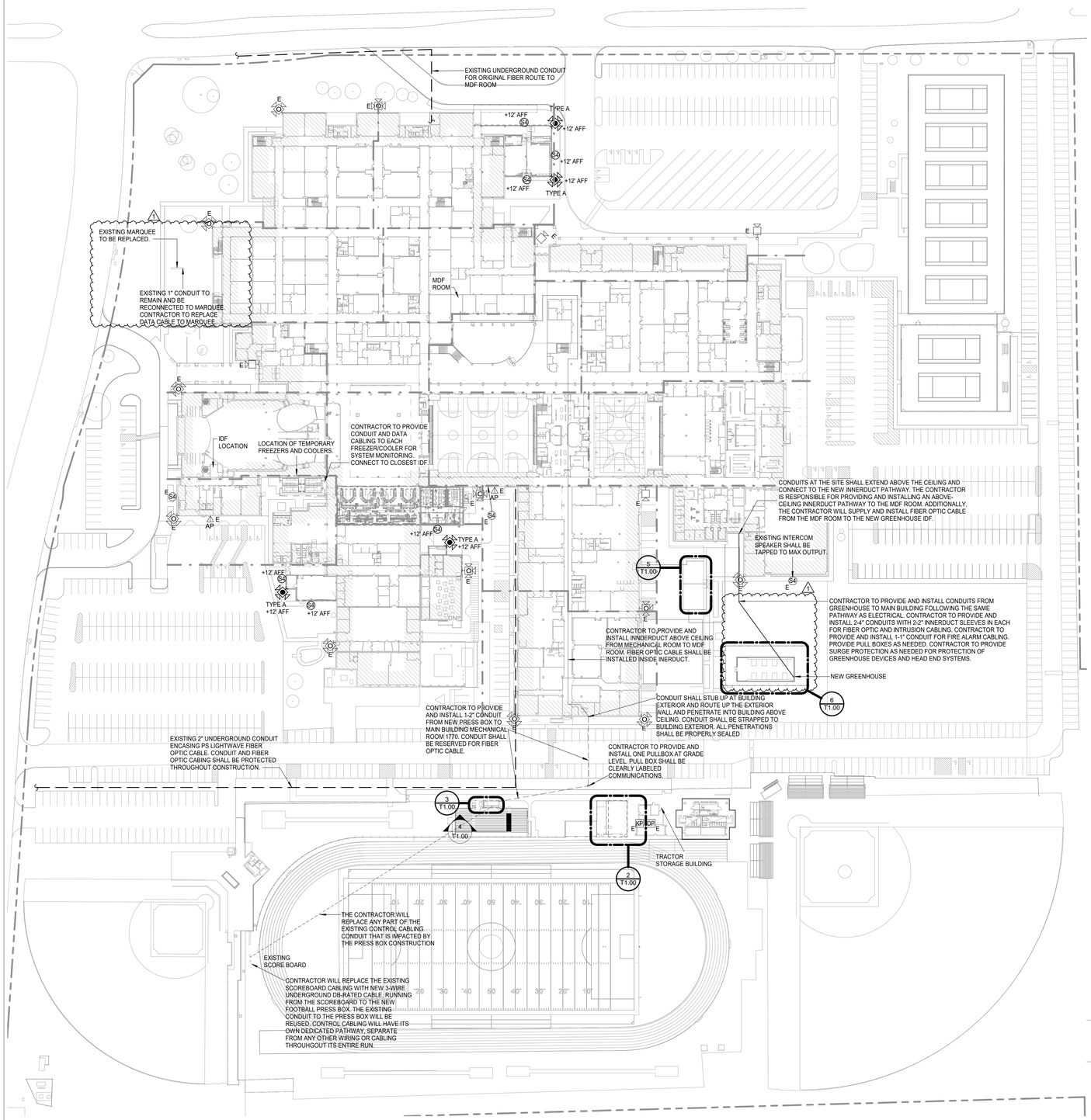
23-148.00

SHEET TITLE

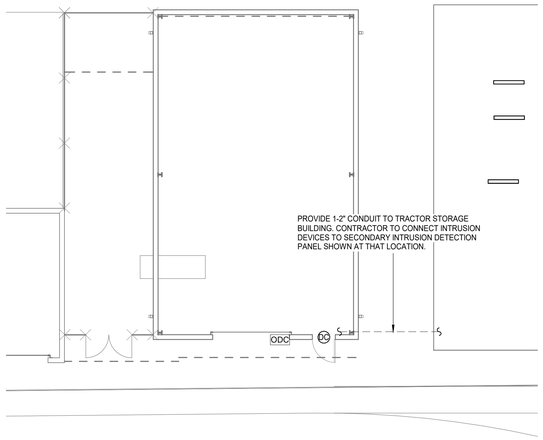
TECHNOLOGY DEMOLITIONFLOOR PLAN - LEVEL 1 - UNIT B

SHEET NO.

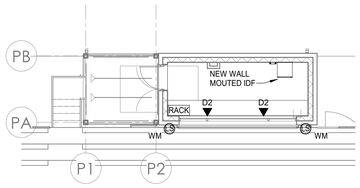
T0.11B



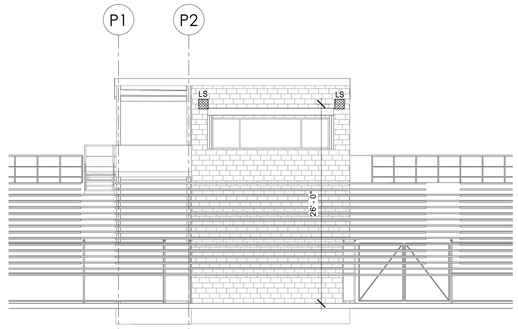
N 1 **TECHNOLOGY PLAN - SITE**
Scale: 1" = 60'-0"



N 2 **TECHNOLOGY SITE PLAN - ATHLETIC STORAGE**
Scale: 1/8" = 1'-0"

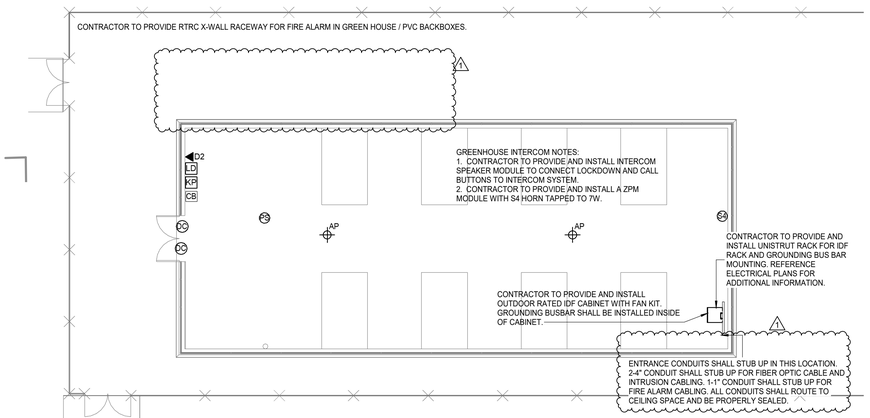


N 3 **TECHNOLOGY SITE PLAN - PRESS BOX**
Scale: 1/8" = 1'-0"



N 4 **PRESS BOX SECTION**
Scale: 1/8" = 1'-0"

N 5 **TECHNOLOGY PLAN - SITE - PORTABLE BUILDING**
Scale: 1" = 20'-0"



N 6 **TECHNOLOGY SITE PLAN - GREENHOUSE**
Scale: 1/8" = 1'-0"

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02/06/2025

ISSUED: JANUARY 20, 2025

REVISIONS

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1	Addendum 2	02.06.2025

Director	Drawn By
DS	NY
Designer	Quality Control
NY	AY
Proj. Arch.	

PROJECT NO.
23-148.00

SHEET TITLE
TECHNOLOGY SITE PLAN

SHEET NO.
T1.00

2024 Cy-Creek HS Renovation

TECHNOLOGY PLAN GENERAL NOTES

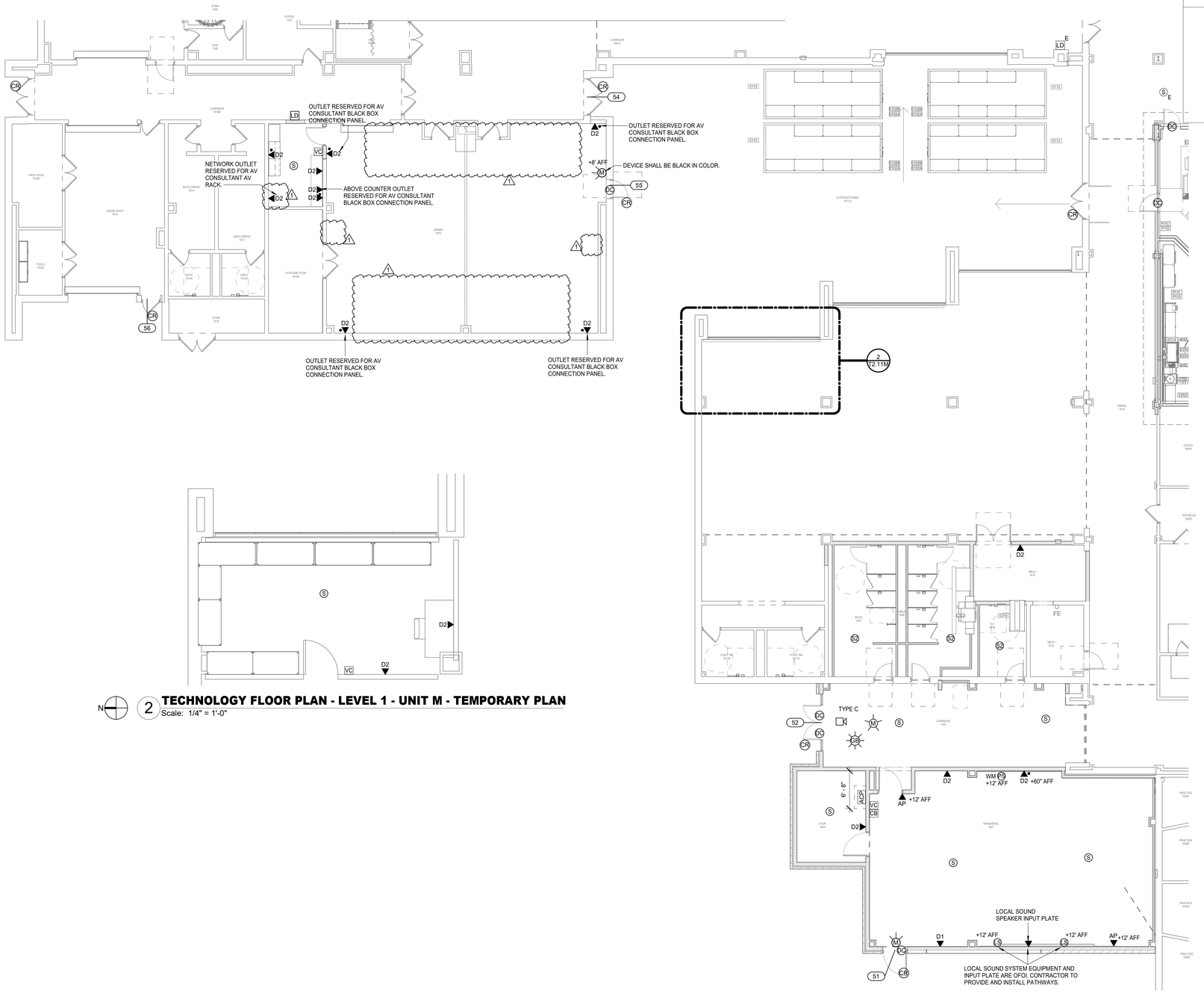
A COORDINATE ALL FINAL MOUNTING HEIGHTS, FOR WALL MOUNTED DEVICES, PRIOR TO ROUGH-IN. COORDINATE WITH ARCHITECT, OWNER AND ENGINEER.

B COORDINATE ALL CEILING DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS AND INTERIOR DESIGN CONSULTANT(IF APPLICABLE) PRIOR TO ROUGH-IN.

C REFERENCE TECHNOLOGY SITE PLAN, COMPOSITE PLANS, NOTES & LEGENDS AND DETAILS FOR ADDITIONAL INFORMATION AND DEVICE/OUTLET LOCATIONS.

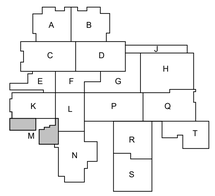
D CONTRACTOR TO COORDINATE INTERCOM SPEAKER MOUNTING TYPES WITH ARCHITECTURAL CEILING PLANS PRIOR TO FINAL SPEAKER SELECTION. COORDINATE WITH ENGINEER ON ANY DISCREPANCIES.

E CONTRACTOR TO COORDINATE ALL DROP LOCATIONS WITH FURNITURE. COORDINATE WITH ARCHITECT AND OWNER FOR MORE INFORMATION.



N 2 **TECHNOLOGY FLOOR PLAN - LEVEL 1 - UNIT M - TEMPORARY PLAN**
Scale: 1/4" = 1'-0"

N 1 **TECHNOLOGY FLOOR PLAN - LEVEL 1 - UNIT M**
Scale: 1/8" = 1'-0"



KEY PLAN - LEVEL ONE

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Director DS	Drawn By NY
Designer NY	Quality Control AY
Proj. Arch.	

PROJECT NO.
23-148.00

SHEET TITLE
TECHNOLOGY FLOOR PLAN - LEVEL 1 - UNIT M

SHEET NO.
T2.11M

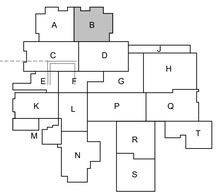
2024 Cy-Creek HS Renovation

TECHNOLOGY PLAN GENERAL NOTES

A	COORDINATE ALL FINAL MOUNTING HEIGHTS, FOR WALL MOUNTED DEVICES, PRIOR TO ROUGH-IN. COORDINATE WITH ARCHITECT, OWNER AND ENGINEER.
B	COORDINATE ALL CEILING DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS AND INTERIOR DESIGN CONSULTANT(IF APPLICABLE) PRIOR TO ROUGH-IN.
C	REFERENCE TECHNOLOGY SITE PLAN, COMPOSITE PLANS, NOTES & LEGENDS AND DETAILS FOR ADDITIONAL INFORMATION AND DEVICE/OUTLET LOCATIONS.
D	CONTRACTOR TO COORDINATE INTERCOM SPEAKER MOUNTING TYPES WITH ARCHITECTURAL CEILING PLANS PRIOR TO FINAL SPEAKER SELECTION. COORDINATE WITH ENGINEER ON ANY DISCREPANCIES.
E	CONTRACTOR TO COORDINATE ALL DROP LOCATIONS WITH FURNITURE. COORDINATE WITH ARCHITECT AND OWNER FOR MORE INFORMATION.

N

1 **TECHNOLOGY FLOOR PLAN - LEVEL 1 - UNIT B**
Scale: 1/8" = 1'-0"



KEY PLAN - LEVEL ONE

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SHEET TITLE
TECHNOLOGY FLOOR PLAN - LEVEL 1 - UNIT B

SHEET NO.
T2.11B

2024 Cy-Creek HS Renovation