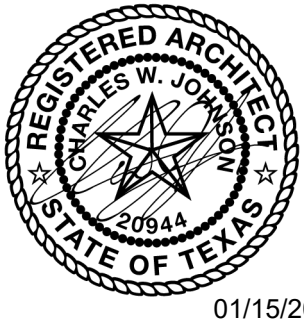
Project No. 24-102.00

January 15, 2026



01/15/2026

ADDENDUM NO. 4
TO THE
DRAWINGS AND PROJECT MANUAL
FOR
NEW ELEMENTARY NO. 49
KATY INDEPENDENT SCHOOL DISTRICT
KATY, TEXAS

VLK
20445 State Highway 249, Ste 350
Houston, TX 77070
281-671-2300 voice
vlkarchitects.com

1.1 GENERAL

A. This addendum modifies the drawings and project manual, dated December 9, 2025, as noted within and shall become part of the Contract Documents.

B. Bidders shall acknowledge receipt of this addendum in the space provided on the bid form. Failure to do so may subject bidder to disqualification.

C. Each holder of bid documents registered with the Architect will receive a copy of the addendum. Each prime bidder is responsible for distribution of information conveyed by this addendum to its sub-bidders and suppliers.

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

E. A pre-proposal conference was held at 2:00 p.m., local time, December 18, 2025 in the Room 1200J of the Education Support Center.

1.2 SECTION 00 70 00 – GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA DOCUMENT AIA201-2017 (MODIFIED)

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

1.3 SECTION 00 42 10 – PROPOSAL FORM – ALTERNATES AND UNIT PRICES

A. Delete this section entirely and replace with the attached, revised section.

1.4 SECTION 01 23 00 - ALTERNATES

A. Delete this section entirely and replace with the attached, revised section.

1.5 SECTION 01 45 00 – QUALITY CONTROL

A. Page 01 45 00 - 1, delete paragraph 1.1, B. 4. entirely and replace with the following:

"4. Section 01 25 13 - Product Substitution Procedures."

1.6 SECTION 03 35 46 – CONCRETE TOPICAL TREATMENTS

A. Page 03 35 46 - 2, delete paragraph 2.1, A. 2. entirely and replace with the following:

"2. Substitutions for Equivalent Products: Refer to SECTION 01 25 13 - PRODUCT SUBSTITUTION PROCEDURES for substitution request procedures."

1.7 SECTION 04 20 00 – MASONRY UNITS

A. Page 04 20 00 - 3, delete paragraph 2.1, A. 5. entirely and replace with the following:

"5. Substitutions: Requests for substitutions will be considered in accordance with provisions of SECTION 01 25013 - PRODUCT SUBSTITUTION PROCEDURES."

1.8 SECTION 05 40 00 – COLD-FORMED METAL FRAMING

A. Page 05 40 00 - 2, delete paragraph 2.1, B. entirely and replace with the following:

"B. Substitutions: Under provisions of SECTION 01 25 13 - PRODUCT SUBSTITUTION PROCEDURES. Other acceptable manufacturer's with products of equal substance and function include:
CEMCO Steel
Marino
The Steel Network."

1.9 SECTION 06 25 00 – PREFINISHED PANELING

A. Page 06 25 00 - 2, delete paragraph 2.1, B. entirely and replace with the following:

"B. Substitutions: Refer to SECTION 01 25 13 - PRODUCT SUBSTITUTION PROCEDURES for substitution request procedures."

1.10 SECTION 07 41 20 – PREFINISHED METAL ROOF PANELS

A. Page 07 41 20 - 2, delete paragraph 2.1, A. entirely and replace with the following:

"A. Roof Panels: Basis of Design shall be **Lok Seam** as manufactured by **MBC**I. Metal panels shall be zinc coated steel complying with ASTM A653/A653M, and ASTM A792/A792M-AZ55 Galvalume®, Grade A; with ASTM A653/A653M G90 hot-dip coating, 24 gage minimum thickness, with striations, for roof panels. Seam spacing shall be 12" to 16" o.c. with all panels having the same spacing. Panels shall be single pieces with no horizontal joints. Provide one of the following:
MBCI; LokSeam
Merchant & Evans, Inc.; Classic Rib 305
Peterson Aluminum Corp/Pac-Clad, **Tite Lok Plus**."

B. Page 07 41 20 - 2, delete paragraph 2.1, C. entirely and replace with the following:

"C. Soffit Panels: Provide **Artisan Series** soffit panels as manufactured by **MBCI**. Color shall be as selected by Architect from manufacturer's complete color line. Equivalent products of one of the following, in the opinion of the Architect, will be acceptable:
MBCI
Peterson Aluminum Corp."

1.11 SECTION 07 42 13 – METAL WALL PANELS

A. Page 07 42 13 - 1, delete paragraph 2.1, A. entirely and replace with the following:

"A. Metal Wall Panel Basis of Design
1. Manufacturer and type: MBCI , FW-120
2. Panel width: 12", two beads
3. Attachment: Concealed fastening system.
4. Thickness: minimum 24 gauge.."

B. Page 07 42 13 - 2, delete paragraph 2.1, C. 1. entirely and replace with the following:

"1. Buildings: Metal wall and soffit panels and all exposed trim items shall receive fluorocarbon polymeric coating containing 70% Kynar 500 or Hylar 5000 finish with a dry film thickness of 0.7 to 0.8 mil exclusive of the primer. **Color selected by Architect from manufacturer's full color range**.

C. Page 07 42 13 - 2, delete paragraph 2.1, C. 2. entirely.

1.12 SECTION 07 55 52 – MODIFIED BITUMEN "COOL ROOF" MEMBRANE ROOFING SYSTEM

A. Delete this section entirely and replace with the attached, revised section.

1.13 SECTION 07 62 00 – SHEET METAL FLASHING AND TRIM

A. Page 07 62 00 - 1, delete paragraph 1.1, B. 2. Entirely, re-number subsequent paragraphs.

B. Page 07 62 00 - 2, delete paragraph 1.5 A. 2. entirely and replace with the following:

"1. Sheet metal roof flashings shall be maintained in normal repair and free of leaks for a period of **5 years** from the date of acceptance of the roof."

1.14 SECTION 07 72 13 – MANUFACTURED ROOF CURBS AND PORTALS

A. Page 07 72 13 - 1, delete paragraph 2.1, B. entirely and replace with the following:

"B. Substitutions: Submit in accordance with **SECTION 01 25 13 - PRODUCT SUBSTITUTION PROCEDURES."**

1.15 SECTION 07 95 00 – EXPANSION CONTROL

A. Page 07 95 00 - 3, delete paragraph 2.1, C. entirely and replace with the following:

"C. Substitutions: In accordance with **SECTION 01 25 13 - PRODUCT SUBSTITUTION PROCEDURES**."

1.16 SECTION 08 11 00 – HOLLOW METAL DOORS AND FRAMES

A. Page 08 11 00 - 2, delete paragraph 2.1, A. entirely and replace with the following:

"A. Provide steel doors and frames as manufactured by one of the following:
Ceco Door Products; an ASSA ABLOY Group Co.
Curries Company; an ASSA ABLOY Group Co.
Deansteel Mfg., Inc.
Mesker Door, Inc.
Republic Builders Products Co.
Steelcraft; an Ingersoll-Rand Co.
American Door Products, LLC"

1.17 SECTION 08 51 16 – PASS WINDOW

A. Page 08 51 16 - 2, delete paragraph 2.1, B. entirely and replace with the following:

"B. Substitutions: Under provisions of **SECTION 01 25 13 - PRODUCT SUBSTITUTION PROCEDURES**."

1.18 SECTION 08 62 50 – TUBULAR DAYLIGHT DEVICES

A. Page 08 62 50 - 3, delete paragraph 2.1, B. entirely and replace with the following:

"B. Other acceptable manufacturers: Equivalent products may be considered according to **SECTION 01 25 13 - PRODUCT SUBSTITUTION PROCEDURES** pending proof of compliance with specified requirements."

1.19 SECTION 08 80 00 - GLAZING

A. Page 08 80 00 – 2, delete paragraph 1.7 A. entirely and replace with the following:

"A. Provide written 10-year warranty signed by manufacturer of insulating glass agreeing to furnish **and install** replacements for those insulating glass units developing manufacturing defects. Manufacturing defects are defined as failure of hermetic seal of air space (beyond that due to glass breakage) as evidenced by intrusion of dirt or moisture, internal condensation or fogging, and other visual indications of seal failure or performance.."

B. Page 08 80 00 – 3, add paragraph 2.2 J. as follows:

"J. (-F) Decorative Film. Provide single or multilayered decorative film products applied to interior glass surfaces, as manufactured by "decorative films" (www.decorativefilms.com)
1. Basis of Design:
a. Film Pattern Type 'A' – SOLYX SXD-1818-UG Dots
b. Film Pattern Type 'B' – SOLYX SX-1325 Semi Transparent Clear Frost

C. Page 08 80 00 – 5, add paragraph 3.2 C. as follows:

"C. Decorative Film:
1. Apply in strict compliance with manufacturer's written instruction using tools and accessories provided by the manufacturer or recommended in writing by the manufacturer."

1.20 SECTION 09 51 00 – ACOUSTICAL CEILINGS

A. Page 09 51 00 - 2, add paragraph 2.1, D. entirely and replace with the following:

"D. (ACT-05) Cementitious Wood Fiber Panels: Provide system manufactured by Cardinal Acoustics.
1. Panel type: Direct attached, in the Gymnasium and Cafeteria.
2. Finish: Natural for field painting. Paint white.
3. Size and Type: 23 ¾" x 48" x 1 ½" thick, long edges beveled."

1.21 SECTION 09 65 66 – ATHLETIC SHEET FLOORING

A. Page 09 65 66 – 3, delete paragraph 2.1, A. 2. entirely and replace with the following:

"2. Other products may be approved as equal if deemed qualified and submitted in accordance with **SECTION 01 25 13 - PRODUCT SUBSTITUTION PROCEDURES**."

1.22 SECTION 10 11 16 – MARKERBOARDS AND TACKBOARDS

A. Page 10 11 16 - 3, delete paragraph 2.1, C. and replace with the following:

"C. Marker Wall (MW): Provide porcelain enamel steel liquid chalk writing system, **7'-0" high** by length indicated **unless otherwise noted in drawings.**. Product/ manufacturer; one of the following:."

B. Page 10 11 16 - 3, delete paragraph 2.1, F. entirely.

1.23 SECTION 10 73 26 – PREFABRICATED WALKWAYS COVERS

A. Delete this section entirely and replace with the attached, revised section.

1.24 SECTION 11 31 00 – APPLIANCES

A. Page 11 31 00 - 1, delete paragraph 2.1, A. and replace with the following:

"A. Dishwasher: Provide Model No. **GDT225SGLWW**, **white exterior finish** undercounter dishwasher as manufactured by GE Appliances. Stainless steel tall tub, Energy Star, delay wash, and 51dba. Height adjustable from 32-1/4" (ADA height) to 34-5/8" (Standard height). Dishwasher shall meet NSF/ANSI 184 requirement for reaching a final rinse temperature of 150ºF."

1.25 SECTION 32 31 19 – DECORATIVE METAL FENCES AND GATES

A. Page 32 31 19 – 1, delete paragraph 2.1, A. entirely and replace with the following:

"A. Basis of Design: Provide **Aegis II**, Majestic ornamental metal fencing system as manufactured by Ameristar Perimeter Security, (phone 888.333.3422 web site: www.ameristarperimeter.com) or approved equivalent."

B. Page 32 31 19 – 2, delete paragraph 2.1, B. and paragraph 2.1, C. entirely.

1.26 REVISED DRAWINGS

A. Sheet Nos. C03.00, C09.00, A1.11, A1.32, A2.11A1, A2.11A2, A2.11B, A2.11E, A2.11F, A2.12A1, A2.12A2, A2.12B, A2.12D, A2.12E, A2.12F, A2.21, A2.43, A3.01, A3.02, A3.03, A3.04, A3.14, A3.16, A3.17, A4.11, A4.22, A4.24, A4.46, A5.01, A5.06, A5.08, A5.09, A5.10, A5.31, A6.11B, A6.11C, A6.11D, A6.11E, A6.11F, A6.12B, A6.12D, A7.01, A7.25, A8.03, A9.00, A9.11A1, A9.11A2, A9.11C, A9.11D, A9.11E, A9.11F, A9.12D, A9.12E, A9.12F, A9.41A1, A9.41A2, A9.41B, A9.41C, A9.41D, A9.41E, 9.41F, S1.01, S2.12B, S2.13A2, S2.13E, S2.13F, S3.6, S3.7, S4.2, S4.3, S4.9, S4.10, S5.1, EL2.11A1, EL2.11A2, EL2.11B, EL2.11C, EL2.12B, E5.03, E5.04, M3.01, M4.03, T1.01, T2.11A1, T2.12A, TS3.01, dated January 15, 2026 and attached hereto, are revised drawings and are hereby made a part of this addendum.

END OF ADDENDUM NO. 4

DOCUMENT 00 42 10
COMPETITIVE SEALED PROPOSAL FORM – ALTERNATES AND UNIT PRICES

NEW ELEMENTARY SCHOOL #49
KATY INDEPENDENT SCHOOL DISTRICT

Submitted by: _____

Date:_____Phone No.:_____

To: Board ofTrustees
Katy Independent School
District6301 South
Stadium Lane
Katy, Texas 77492-0159

Having examined Proposal and Contract Documents prepared by VLK Architects, dated December 9, 2025 and having examined site conditions, the undersigned proposes to furnish all labor, equipment and materials andperform all work for the completion of the above-named project for the sum indicated below.

In submitting his Proposal, the undersigned agrees to the following:

1. Hold proposal open for acceptance 60 days.
2. Accept right of Owner to reject any or all proposals, to waive formalities and to accept roposal which Owner considers most advantageous.
3. Enter into and execute the contract, if awarded, for the Base Proposal and accepted Alternate Proposals.
4. Complete work in accordance with the Contract Documents within the stipulated contract time.
5. By signing, the undersigned affirms that, to the best of his knowledge, the Proposals havebeen arrived at independently and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfairadvantage over respondents in the award of this proposal.

I. ALTERNATES

1.1 ALTERNATE NO. 1 - MASONRY

A. Alternate No. 1A: State in the proposal form the amount to be added to the base proposal for providing products of Upchurch Kimbrough:

Field Brick (MA-01): Cloud Ceramics. Color: Cherokee. Size: King Size (2-3/4 x 2-5/8 x 9-5/8). Texture: Velour. Type: FBX, ASTM C216
Accent Brick (MA-02): Cloud Ceramics. Color: Ebony Iron Spot. Size: King Size (2-3/4 x 2-5/8 x 9-5/8). Texture: Velour. T ype: FBX, ASTM C216
Smooth Stone (MF-01): Arriscraft. Series: Renaissance RS1158. Color: Café. Texture: Smooth. Size: (¾ x 11-5/8 x 23-5/8). Type: ASTM C73
Chopped Stone (ST-01): Color/Type: UK Quarries Oyster Blend Chopped Ashlar. Size: 3 5/8" thick x 4,6,8" heights x random lengths

$_____.00 Total

B. Alternate No. 1B: State in the proposal form the amount to be added to the base proposal for providing products of Acme Brick:

Field Brick (MA-01): Acme DTP Special Blend (33% Red Sunset, 33% Cinnamon Brown, 33% Burnt Pumpkin). Size: King Size (2-3/4 x 2-5/8 x 9-5/8), Type: FBX, ASTM C216
Accent Brick (MA-02): Acme YH Dark Iron Spot. Size: King Size (2-3/4 x 2-5/8 x 9-5/8), Type: FBX, ASTM C216
Smooth Stone (MF-01): RockCast, Architectural Masonry Veneer. Color: Charlotte Tan. Texture: Smooth. Size: (11-5/8 x 23-5/8).
Chopped Stone (ST-01): Color/Type: Acme, White Chopped Limestone. Size: 3 5/8" thick x 4,6,8" heights x random lengths

$_____.00 Total

1.2 ALTERNATE NO. 2 -CHILLERS

Alternate No. 2A: State in the proposal form the amount to be added to the base proposal for providing York Centrifugal Liquid Chillers with a 10 year warranty according to Section 23 64 16.

$_____.00 Total

Alternate No. 2B: State in the proposal form the amount to be added to the base proposal for providing Carrier Centrifugal Liquid Chiller with 10 year warranty, according to Section 23 64 16.

$_____.00 Total

Alternate No. 2C: State in the proposal form the amount to be added to the base proposal for providing **Trane** Centrifugal Liquid Chillers with a 10 year warranty according to Section 23 64 16.

$_____.00 Total

1.3 ALTERNATE NO. 3 - AIR HANDLING UNITS

Alternate No. 3A: State in the proposal form the amount to be added to the base proposal for providing York Air Handling Units according to Section 23 73 13.

$_____.00 Total

Alternate No. 3B: State in the proposal form the amount to be added to the base proposal for providing Carrier Air Handling Units according to Section 23 73 13.

$_____.00 Total

Alternate No. 3C: State in the proposal form the amount to be added to the base proposal for providing Temptrol Air Handling Units according to Section 23 73 13.

$_____.00 Total

1.4 ALTERNATE 4 - ACCESS CONTROL **SYSTEM AND INTRUSION SYSTEM**

Alternate No. 4A: State in the proposal form the amount to be added to or deducted from the base proposal for providing Access Control System per Sections 28 13 00 **and 28 16 00**, installed by Transnet Communications LLC.

$_____.00 Total

Alternate No. 4B: State in the proposal form the amount to be added to or deducted from the base proposal for providing Access Control System per Sections 28 13 00 **and 28 16 00**, installed by Fisk Electric.

.

$_____.00 Total

Alternate No. 4C: State in the proposal form the amount to be added to or deducted from the base proposal for providing Access Control System per Sections 28 13 00 **and 28 16 00**, installed by ACME Electric

$_____.00 Total

1.5 ALTERNATE 5 - AUTOMATION CONTROL

Alternate No. 5A: State in the proposal form the amount to be added to or deducted from the base proposal for providing Automation Controls manufactured by Climatec.

$_____.00 Total

Alternate No. 5B: State in the proposal form the amount to be added to or deducted from the base proposal for providing Automation Controls manufactured by Unify Energy Solutions.

$_____.00 Total

~~1.6~~ ALTERNATE 6 – OPTIONAL ADJUSTMENT TO BASE PROPOSAL Alternate No. 6: State in the proposal form the amount to be added to or deducted from the base proposal for optional adjustment. ~~[Alternate No. 2]~~

$_____.00 Total

II. UNIT PRICES

1.7 UNIT PRICE NO.1 - DRILLED CONCRETE PIERS:

A. Submit one copy of drilling log indicating top and bottom elevation of each pier drilled, and water and/or caving encountered. Indicate difference between proposal depth and actual depth.

B. Measurement: Base Proposal shall reflect pier depths indicated in the Proposal Documents.

1. Measure actual depth from top of grade at time of drilling to bottom of pier shaft.
2. Payment will be adjusted based on the total accumulative net difference of the actual depth from the proposed depth indicated for each pier. Payment will not be made for individual piers.
3. Adjustments for actual conditions will be made by Change Order.

Unit Price 1A: 18" diameter pier.

$_____.00 Total

Unit Price 1B: 24" diameter pier.

$_____.00 Total

Unit Price 1C: 30" diameter pier.

$_____.00 Total

Unit Price 1D: 36" diameter pier.

$_____.00 Total

1.8 UNIT PRICE NO. 2 - DRILLED CONCRETE PIER CASINGS:

A. Submit one copy of drilling log indicating length of casing(s) used at each pier, and if casing was removed of left in place. Include the difference between proposal length and actual accumulative length. Payment will be based on total length of casings required to seal off water and/or unstable soil.

Unit Price 2A: 18" diameter casing.

$_____.00 Total

Unit Price 2B: 24" diameter casing.

$_____.00 Total

Unit Price 2C: 30" diameter casing.

$_____.00 Total

Unit Price 2D: 36" diameter casing.

$_____.00 Total

1.9 UNIT PRICE NO. 3 - CONCRETE PAVING

A. Unit Price 3A: Installed cost for each square foot of 5" thick concrete paving with #3 at 22" O.C.E.W added to or deleted from the Work, including subgrade preparation, formwork, reinforcing, and concrete indicated on the Drawings. $_____.00 Total

B. Unit Price 3B: Installed cost for each square foot of 6" thick concrete paving with #3 at 18" O.C.E.W. added to or deleted from the Work, including subgrade preparation, formwork, reinforcing, and concrete indicated on the Drawings.

$_____.00 Total

1.10 UNIT PRICE NO. 4 - LAN DATA DROPS

A. Installed cost for each data drop added to or deleted from the Work, including rough-in and finish-out.

1. Unit Price 4A: Single data port wired to nearest IDF/MDF room up to 200 feet. $_____.00 Total
2. Unit Price 4B: Double data port wired to nearest IDF/MDF room up to 200 feet. $_____.00 Total
3. Unit Price 4C: Triple data port wired to nearest IDF/MDF room up to 200 feet. $_____.00 Total
4. Unit Price 4D: J-box with 1-1/4" conduit stubbed up wall to above ceiling. $_____.00 Total

1.11 UNIT PRICE NO. 5 - ELECTRICAL

A. Installed cost for each of the following added to or deleted from the Work, including rough-in and finish out

1. Unit Price 5A: 120V duplex receptacle on nearest capable circuit up to 25 feet. $_____.00 Total
2. Unit Price 5B: 120V duplex receptacle on dedicated circuit, including 20 amp circuit breaker up to 200 feet.

$_____.00 Total

3. Unit Price 5C: 220V receptacle on dedicated circuit including 20 amp circuit breaker up to 200 feet.

$_____.00 Total

4. Unit Price 5D: Two-way light switch.

$_____.00 Total

5. Unit Price 5E: Three-way light switch.

$_____.00 Total

6. Unit Price 5F: Exit Light

$_____.00 Total

1.12 UNIT PRICE NO. 6 – CONCRETE SIDEWALKS

A. Installed cost for each square foot of concrete sidewalk added to or deleted from the Work, including subgrade preparation, formwork, reinforcing, and concrete indicated on the Drawings.

$_____.00 Total

1.13 UNIT PRICE NO. 7 – SOIL EXCAVATION

A. Installed cost for Soil Excavation per square yard added to or deleted from the Work. $_____.00 Total

1.14 UNIT PRICE NO. 8 – ROCK EXCAVATION

A. Installed cost for Rock Excavation per square yard added to or deleted from the Work. $_____.00 Total

1.15 UNIT PRICE NO. 9 – SELECT FILL PLACEMENT

A. Installed cost for select fill placement per square yard added to or deleted from the Work. $_____.00 Total

1.16 UNIT PRICE NO. 10 – CEMENT STABILIZATION SAND AND LEAN CONCRETE

A. Installed cost for Cement Stabilization Sand and Lean Concrete per square yard added to or deleted from the Work.

$_____.00 Total

1.17 UNIT PRICE NO. 11 - LANDSCAPING

A. Installed cost for each of the following added to or deleted from the Work, including final grading, bed prep, and excavation.

1. Unit Price 11A: Tree, each type and caliper. $_____.00 Total
2. Unit Price 11B: Shrub, each type and pot size. $_____.00 Total
3. Unit Price 11C: Sod, per square foot. $_____.00 Total
4. Unit Price 11D: Hydromulch, per square foot. $_____.00 Total

III.

IV. PROJECT SUPERINTENDENT AND PROJECT MANAGER

The undersigned proposes the following project team members (attach resumes).

Project Executive:_____

Office Location_

Percent Time Dedicated to Project_____

Project Manager:_____

Office Location_

Percent Time Dedicated to Project_____

Assistant Project Manager or Project Engineer: _____

Project Superintendent(s): _____

Assistant Superintendent(s): _____

V. PROPOSED CONSTRUCTION SCHEDULE

Attached a preliminary construction schedule for use in evaluating the Offeror's proposal.

It is understood that the right is reserved by the Owner to reject any or all proposals, or waive any informalities in the proposal process.

_____
Authorized Signature

_____
Title

(Seal, if a Corporation)
State whether Corporation
Partnership or Individual

_____
Name of Contracting Firm

_____
Address

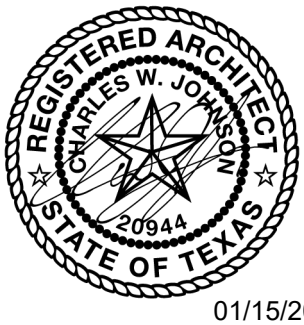
_____
Telephone

_____
Date

END OF DOCUMENT

AIA® Document A201® – 2017

General Conditions of the Contract for Construction



01/15/2026

for the following PROJECT:
(Name and location or address)

New Elementary School No. 49
Katy Independent School District
VLK Project No: 24-0102.00

THE OWNER:
(Name, legal status and address)

Katy Independent School District
6301 South Stadium Lane
Katy, Texas 77494

THE ARCHITECT:
(Name, legal status and address)

VLK Architects, LLC
20445 State Highway 249, Suite 350
Houston, Texas 77070

ADDITIONS AND DELETIONS:
The author of this document may have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

For guidance in modifying this document to include supplementary conditions, see AIA Document A503™–2017, Guide for Supplementary Conditions.

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14 TERMINATION OR SUSPENSION OF THE CONTRACT

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ARTICLE 1 GENERAL PROVISIONS

§ 1.1 Basic Definitions

§ 1.1.1 The Contract Documents

The Contract Documents are enumerated in the Agreement between the Owner and Contractor (hereinafter the Agreement) and consist of the Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to execution of the Contract, other documents listed in the Agreement, and Modifications issued after execution of the Contract. A Modification is (1) a written amendment to the Contract signed by both parties, (2) a Change Order, (3) a Construction Change Directive, or (4) a written order for a minor change in the Work issued by the Architect. Unless specifically enumerated in the Agreement, the Contract Documents do not include the advertisement or invitation to bid, Instructions to Bidders, sample forms, other information furnished by the Owner in anticipation of receiving bids or proposals, the Contractor's bid or proposal, or portions of Addenda relating to bidding or proposal requirements.

§ 1.1.2 The Contract

The Contract Documents form the Contract for Construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind (1) between the Contractor and the Architect or the Architect's consultants, (2) between the Owner and a Subcontractor or a Sub-subcontractor, (3) between the Owner and the Architect or the Architect's consultants, or (4) between any persons or entities other than the Owner and the Contractor. The Architect shall, however, be entitled to performance and enforcement of obligations under the Contract intended to facilitate performance of the Architect's duties.

§ 1.1.3 The Work

The term "Work" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment, and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

§ 1.1.4 The Project

The Project is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner and by Separate Contractors.

§ 1.1.5 The Drawings

The Drawings are the graphic and pictorial portions of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.

§ 1.1.6 The Specifications

The Specifications are that portion of the Contract Documents consisting of the written requirements for materials, equipment, systems, standards and workmanship for the Work, and performance of related services.

§ 1.1.7 Instruments of Service

Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible and intangible creative work performed by the Architect and the Architect's consultants under their respective professional services agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, specifications, and other similar materials.

§ 1.1.8 Initial Decision Maker

The Initial Decision Maker is the person identified in the Agreement to render initial decisions on Claims in accordance with Section 15.2. The Initial Decision Maker shall not show partiality to the Owner or Contractor and shall not be liable for results of interpretations or decisions rendered in good faith.

§ 1.2 Correlation and Intent of the Contract Documents

§ 1.2.1 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the

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indicated results.

§ 1.2.1.1 The invalidity of any provision of the Contract Documents shall not invalidate the Contract or its remaining provisions. If it is determined that any provision of the Contract Documents violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Contract Documents shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Contract.

§ 1.2.2 Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

§ 1.2.3 Unless otherwise stated in the Contract Documents, words that have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.

§ 1.3 Capitalization

Terms capitalized in these General Conditions include those that are (1) specifically defined, (2) the titles of numbered articles, or (3) the titles of other documents published by the American Institute of Architects.

§ 1.4 Interpretation

In the interest of brevity the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

§ 1.5 Ownership and Use of Drawings, Specifications, and Other Instruments of Service

§ 1.5.1 The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and retain all common law, statutory, and other reserved rights in their Instruments of Service, including copyrights. The Contractor, Subcontractors, Sub-subcontractors, and suppliers shall not own or claim a copyright in the Instruments of Service. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with the Project is not to be construed as publication in derogation of the Architect's or Architect's consultants' reserved rights.

§ 1.5.2 The Contractor, Subcontractors, Sub-subcontractors, and suppliers are authorized to use and reproduce the Instruments of Service provided to them, subject to any protocols established pursuant to Sections 1.7 and 1.8, solely and exclusively for execution of the Work. All copies made under this authorization shall bear the copyright notice, if any, shown on the Instruments of Service. The Contractor, Subcontractors, Sub-subcontractors, and suppliers may not use the Instruments of Service on other projects or for additions to the Project outside the scope of the Work without the specific written consent of the Owner, Architect, and the Architect's consultants.

§ 1.6 Notice

§ 1.6.1 Except as otherwise provided in Section 1.6.2, where the Contract Documents require one party to notify or give notice to the other party, such notice shall be provided in writing to the designated representative of the party to whom the notice is addressed and shall be deemed to have been duly served if delivered in person, by mail, by courier, or by electronic transmission if a method for electronic transmission is set forth in the Agreement.

§ 1.6.2 Notice of Claims as provided in Section 15.1.3 shall be provided in writing and shall be deemed to have been duly served only if delivered to the designated representative of the party to whom the notice is addressed by certified or registered mail, or by courier providing proof of delivery.

§ 1.7 Digital Data Use and Transmission

The parties shall agree upon written protocols governing the transmission and use of, and reliance on, Instruments of Service or any other information or documentation in digital form.

§ 1.8 Building Information Models Use and Reliance

Any use of, or reliance on, all or a portion of a building information model without agreement to written protocols

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governing the use of, and reliance on, the information contained in the model shall be at the using or relying party's sole risk and without liability to the other party and its contractors or consultants, the authors of, or contributors to, the building information model, and each of their agents and employees.

ARTICLE 2 OWNER

§ 2.1 General

§ 2.1.1 The Owner is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all matters requiring the Owner's approval or authorization. Except as otherwise provided in Section 4.2.1, the Architect does not have such authority. The term "Owner" means the Owner or the Owner's authorized representative.

§ 2.1.2 The Owner shall furnish to the Contractor, within fifteen days after receipt of a written request, information necessary and relevant for the Contractor to evaluate, give notice of, or enforce mechanic's lien rights. Such information shall include a correct statement of the record legal title to the property on which the Project is located, usually referred to as the site, and the Owner's interest therein.

§ 2.2 Evidence of the Owner's Financial Arrangements

§ 2.2.1 Prior to commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. The Contractor shall have no obligation to commence the Work until the Owner provides such evidence. If commencement of the Work is delayed under this Section 2.2.1, the Contract Time shall be extended appropriately.

§ 2.2.2 Following commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract only if (1) the Owner fails to make payments to the Contractor as the Contract Documents require; (2) the Contractor identifies in writing a reasonable concern regarding the Owner's ability to make payment when due; or (3) a change in the Work materially changes the Contract Sum. If the Owner fails to provide such evidence, as required, within fourteen days of the Contractor's request, the Contractor may immediately stop the Work and, in that event, shall notify the Owner that the Work has stopped. However, if the request is made because a change in the Work materially changes the Contract Sum under (3) above, the Contractor may immediately stop only that portion of the Work affected by the change until reasonable evidence is provided. If the Work is stopped under this Section 2.2.2, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided in the Contract Documents.

§ 2.2.3 After the Owner furnishes evidence of financial arrangements under this Section 2.2, the Owner shall not materially vary such financial arrangements without prior notice to the Contractor.

§ 2.2.4 Where the Owner has designated information furnished under this Section 2.2 as "confidential," the Contractor shall keep the information confidential and shall not disclose it to any other person. However, the Contractor may disclose "confidential" information, after seven (7) days' notice to the Owner, where disclosure is required by law, including a subpoena or other form of compulsory legal process issued by a court or governmental entity, or by court or arbitrator(s) order. The Contractor may also disclose "confidential" information to its employees, consultants, sureties, Subcontractors and their employees, Sub-subcontractors, and others who need to know the content of such information solely and exclusively for the Project and who agree to maintain the confidentiality of such information.

§ 2.3 Information and Services Required of the Owner

§ 2.3.1 Except for permits and fees that are the responsibility of the Contractor under the Contract Documents, including those required under Section 3.7.1, the Owner shall secure and pay for necessary approvals, easements, assessments and charges required for construction, use or occupancy of permanent structures or for permanent changes in existing facilities.

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§ 2.3.2 The Owner shall retain an architect lawfully licensed to practice architecture, or an entity lawfully practicing architecture, in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

§ 2.3.3 If the employment of the Architect terminates, the Owner shall employ a successor to whom the Contractor has no reasonable objection and whose status under the Contract Documents shall be that of the Architect.

§ 2.3.4 The Owner shall furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a legal description of the site. The Contractor shall be entitled to rely on the accuracy of information furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

§ 2.3.5 The Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Contractor's performance of the Work with reasonable promptness after receiving the Contractor's written request for such information or services.

§ 2.3.6 Unless otherwise provided in the Contract Documents, the Owner shall furnish to the Contractor one copy of the Contract Documents for purposes of making reproductions pursuant to Section 1.5.2.

§ 2.4 Owner's Right to Stop the Work

If the Contractor fails to correct Work that is not in accordance with the requirements of the Contract Documents as required by Section 12.2 or repeatedly fails to carry out Work in accordance with the Contract Documents, the Owner may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity, except to the extent required by Section 6.1.3.

§ 2.5 Owner's Right to Carry Out the Work

If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a ten-day period after receipt of notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies the Owner may have, correct such default or neglect. Such action by the Owner and amounts charged to the Contractor are both subject to prior approval of the Architect and the Architect may, pursuant to Section 9.5.1, withhold or nullify a Certificate for Payment in whole or in part, to the extent reasonably necessary to reimburse the Owner for the reasonable cost of correcting such deficiencies, including Owner's expenses and compensation for the Architect's additional services made necessary by such default, neglect, or failure. If current and future payments are not sufficient to cover such amounts, the Contractor shall pay the difference to the Owner. If the Contractor disagrees with the actions of the Owner or the Architect, or the amounts claimed as costs to the Owner, the Contractor may file a Claim pursuant to Article 15.

ARTICLE 3 CONTRACTOR

§ 3.1 General

§ 3.1.1 The Contractor is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Contractor shall be lawfully licensed, if required in the jurisdiction where the Project is located. The Contractor shall designate in writing a representative who shall have express authority to bind the Contractor with respect to all matters under this Contract. The term "Contractor" means the Contractor or the Contractor's authorized representative.

§ 3.1.2 The Contractor shall perform the Work in accordance with the Contract Documents.

§ 3.1.3 The Contractor shall not be relieved of its obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract, or by tests, inspections or approvals required or performed by persons or entities other than the Contractor.

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§ 3.2 Review of Contract Documents and Field Conditions by Contractor

§ 3.2.1 Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become generally familiar with local conditions under which the Work is to be performed, and correlated personal observations with requirements of the Contract Documents.

§ 3.2.2 Because the Contract Documents are complementary, the Contractor shall, before starting each portion of the Work, carefully study and compare the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner pursuant to Section 2.3.4, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the site affecting it. These obligations are for the purpose of facilitating coordination and construction by the Contractor and are not for the purpose of discovering errors, omissions, or inconsistencies in the Contract Documents; however, the Contractor shall promptly report to the Architect any errors, inconsistencies or omissions discovered by or made known to the Contractor as a request for information in such form as the Architect may require. It is recognized that the Contractor's review is made in the Contractor's capacity as a contractor and not as a licensed design professional, unless otherwise specifically provided in the Contract Documents.

§ 3.2.3 The Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Contractor shall promptly report to the Architect any nonconformity discovered by or made known to the Contractor as a request for information in such form as the Architect may require.

§ 3.2.4 If the Contractor believes that additional cost or time is involved because of clarifications or instructions the Architect issues in response to the Contractor's notices or requests for information pursuant to Sections 3.2.2 or 3.2.3, the Contractor shall submit Claims as provided in Article 15. If the Contractor fails to perform the obligations of Sections 3.2.2 or 3.2.3, the Contractor shall pay such costs and damages to the Owner, subject to Section 15.1.7, as would have been avoided if the Contractor had performed such obligations. If the Contractor performs those obligations, the Contractor shall not be liable to the Owner or Architect for damages resulting from errors, inconsistencies or omissions in the Contract Documents, for differences between field measurements or conditions and the Contract Documents, or for nonconformities of the Contract Documents to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities.

§ 3.3 Supervision and Construction Procedures

§ 3.3.1 The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for, and have control over, construction means, methods, techniques, sequences, and procedures, and for coordinating all portions of the Work under the Contract. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences, or procedures, the Contractor shall evaluate the jobsite safety thereof and shall be solely responsible for the jobsite safety of such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely notice to the Owner and Architect, and shall propose alternative means, methods, techniques, sequences, or procedures. The Architect shall evaluate the proposed alternative solely for conformance with the design intent for the completed construction. Unless the Architect objects to the Contractor's proposed alternative, the Contractor shall perform the Work using its alternative means, methods, techniques, sequences, or procedures.

§ 3.3.2 The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for, or on behalf of, the Contractor or any of its Subcontractors.

§ 3.3.3 The Contractor shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

§ 3.4 Labor and Materials

§ 3.4.1 Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

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§ 3.4.2 Except in the case of minor changes in the Work approved by the Architect in accordance with Section 3.12.8 or ordered by the Architect in accordance with Section 7.4, the Contractor may make substitutions only with the consent of the Owner, after evaluation by the Architect and in accordance with a Change Order or Construction Change Directive.

§ 3.4.3 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of unfit persons or persons not properly skilled in tasks assigned to them.

§ 3.5 Warranty

§ 3.5.1 The Contractor warrants to the Owner and Architect that materials and equipment furnished under the Contract will be of good quality and new unless the Contract Documents require or permit otherwise. The Contractor further warrants that the Work will conform to the requirements of the Contract Documents and will be free from defects, except for those inherent in the quality of the Work the Contract Documents require or permit. Work, materials, or equipment not conforming to these requirements may be considered defective. The Contractor's warranty excludes remedy for damage or defect caused by abuse, alterations to the Work not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by the Architect, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

§ 3.5.2 All material, equipment, or other special warranties required by the Contract Documents shall be issued in the name of the Owner, or shall be transferable to the Owner, and shall commence in accordance with Section 9.8.4.

§ 3.6 Taxes

The Contractor shall pay sales, consumer, use and similar taxes for the Work provided by the Contractor that are legally enacted when bids are received or negotiations concluded, whether or not yet effective or merely scheduled to go into effect.

§ 3.7 Permits, Fees, Notices and Compliance with Laws

§ 3.7.1 Unless otherwise provided in the Contract Documents, the Contractor shall secure and pay for the building permit as well as for other permits, fees, licenses, and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Contract and legally required at the time bids are received or negotiations concluded.

§ 3.7.2 The Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work.

§ 3.7.3 If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

§ 3.7.4 Concealed or Unknown Conditions

If the Contractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, the Contractor shall promptly provide notice to the Owner and the Architect before conditions are disturbed and in no event later than 14 days after first observance of the conditions. The Architect will promptly investigate such conditions and, if the Architect determines that they differ materially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work, will recommend that an equitable adjustment be made in the Contract Sum or Contract Time, or both. If the Architect determines that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, the Architect shall promptly notify the Owner and Contractor, stating the reasons. If either party disputes the Architect's determination or recommendation, that party may submit a Claim as provided in Article 15.

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§ 3.7.5 If, in the course of the Work, the Contractor encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, the Contractor shall immediately suspend any operations that would affect them and shall notify the Owner and Architect. Upon receipt of such notice, the Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. The Contractor shall continue to suspend such operations until otherwise instructed by the Owner but shall continue with all other operations that do not affect those remains or features. Requests for adjustments in the Contract Sum and Contract Time arising from the existence of such remains or features may be made as provided in Article 15.

§ 3.8 Allowances

§ 3.8.1 The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities to whom the Contractor has reasonable objection.

§ 3.8.2 Unless otherwise provided in the Contract Documents,

.1 allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;

.2 Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit, and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowances; and

.3 whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect (1) the difference between actual costs and the allowances under Section 3.8.2.1 and (2) changes in Contractor's costs under Section 3.8.2.2.

§ 3.8.3 Materials and equipment under an allowance shall be selected by the Owner with reasonable promptness.

§ 3.9 Superintendent

§ 3.9.1 The Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall represent the Contractor, and communications given to the superintendent shall be as binding as if given to the Contractor.

§ 3.9.2 The Contractor, as soon as practicable after award of the Contract, shall notify the Owner and Architect of the name and qualifications of a proposed superintendent. Within 14 days of receipt of the information, the Architect may notify the Contractor, stating whether the Owner or the Architect (1) has reasonable objection to the proposed superintendent or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

§ 3.9.3 The Contractor shall not employ a proposed superintendent to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not change the superintendent without the Owner's consent, which shall not unreasonably be withheld or delayed.

§ 3.10 Contractor's Construction and Submittal Schedules

§ 3.10.1 The Contractor, promptly after being awarded the Contract, shall submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. The schedule shall contain detail appropriate for the Project, including (1) the date of commencement of the Work, interim schedule milestone dates, and the date of Substantial Completion; (2) an apportionment of the Work by construction activity; and (3) the time required for completion of each portion of the Work. The schedule shall provide for the orderly progression of the Work to completion and shall not exceed time limits current under the Contract Documents. The schedule shall be revised at appropriate intervals as required by the conditions of the Work and Project.

§ 3.10.2 The Contractor, promptly after being awarded the Contract and thereafter as necessary to maintain a current submittal schedule, shall submit a submittal schedule for the Architect's approval. The Architect's approval shall not be unreasonably delayed or withheld. The submittal schedule shall (1) be coordinated with the

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Contractor's construction schedule, and (2) allow the Architect reasonable time to review submittals. If the Contractor fails to submit a submittal schedule, or fails to provide submittals in accordance with the approved submittal schedule, the Contractor shall not be entitled to any increase in Contract Sum or extension of Contract Time based on the time required for review of submittals.

§ 3.10.3 The Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Architect.

§ 3.11 Documents and Samples at the Site

The Contractor shall make available, at the Project site, the Contract Documents, including Change Orders, Construction Change Directives, and other Modifications, in good order and marked currently to indicate field changes and selections made during construction, and the approved Shop Drawings, Product Data, Samples, and similar required submittals. These shall be in electronic form or paper copy, available to the Architect and Owner, and delivered to the Architect for submittal to the Owner upon completion of the Work as a record of the Work as constructed.

§ 3.12 Shop Drawings, Product Data and Samples

§ 3.12.1 Shop Drawings are drawings, diagrams, schedules, and other data specially prepared for the Work by the Contractor or a Subcontractor, Sub-subcontractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

§ 3.12.2 Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

§ 3.12.3 Samples are physical examples that illustrate materials, equipment, or workmanship, and establish standards by which the Work will be judged.

§ 3.12.4 Shop Drawings, Product Data, Samples, and similar submittals are not Contract Documents. Their purpose is to demonstrate how the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents for those portions of the Work for which the Contract Documents require submittals. Review by the Architect is subject to the limitations of Section 4.2.7. Informational submittals upon which the Architect is not expected to take responsive action may be so identified in the Contract Documents. Submittals that are not required by the Contract Documents may be returned by the Architect without action.

§ 3.12.5 The Contractor shall review for compliance with the Contract Documents, approve, and submit to the Architect, Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents, in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of Separate Contractors.

§ 3.12.6 By submitting Shop Drawings, Product Data, Samples, and similar submittals, the Contractor represents to the Owner and Architect that the Contractor has (1) reviewed and approved them, (2) determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and (3) checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

§ 3.12.7 The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples, or similar submittals, until the respective submittal has been approved by the Architect.

§ 3.12.8 The Work shall be in accordance with approved submittals except that the Contractor shall not be relieved of responsibility for deviations from the requirements of the Contract Documents by the Architect's approval of Shop Drawings, Product Data, Samples, or similar submittals, unless the Contractor has specifically notified the Architect of such deviation at the time of submittal and (1) the Architect has given written approval to the specific deviation as a minor change in the Work, or (2) a Change Order or Construction Change Directive has been issued

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authorizing the deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples, or similar submittals, by the Architect's approval thereof.

§ 3.12.9 The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples, or similar submittals, to revisions other than those requested by the Architect on previous submittals. In the absence of such notice, the Architect's approval of a resubmission shall not apply to such revisions.

§ 3.12.10 The Contractor shall not be required to provide professional services that constitute the practice of architecture or engineering unless such services are specifically required by the Contract Documents for a portion of the Work or unless the Contractor needs to provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures. The Contractor shall not be required to provide professional services in violation of applicable law.

§ 3.12.10.1 If professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of the Contractor by the Contract Documents, the Owner and the Architect will specify all performance and design criteria that such services must satisfy. The Contractor shall be entitled to rely upon the adequacy and accuracy of the performance and design criteria provided in the Contract Documents. The Contractor shall cause such services or certifications to be provided by an appropriately licensed design professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings, and other submittals prepared by such professional. Shop Drawings, and other submittals related to the Work, designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Architect. The Owner and the Architect shall be entitled to rely upon the adequacy and accuracy of the services, certifications, and approvals performed or provided by such design professionals, provided the Owner and Architect have specified to the Contractor the performance and design criteria that such services must satisfy. Pursuant to this Section 3.12.10, the Architect will review and approve or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

§ 3.12.10.2 If the Contract Documents require the Contractor's design professional to certify that the Work has been performed in accordance with the design criteria, the Contractor shall furnish such certifications to the Architect at the time and in the form specified by the Architect.

§ 3.13 Use of Site

The Contractor shall confine operations at the site to areas permitted by applicable laws, statutes, ordinances, codes, rules and regulations, lawful orders of public authorities, and the Contract Documents and shall not unreasonably encumber the site with materials or equipment.

§ 3.14 Cutting and Patching

§ 3.14.1 The Contractor shall be responsible for cutting, fitting, or patching required to complete the Work or to make its parts fit together properly. All areas requiring cutting, fitting, or patching shall be restored to the condition existing prior to the cutting, fitting, or patching, unless otherwise required by the Contract Documents.

§ 3.14.2 The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or Separate Contractors by cutting, patching, or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter construction by the Owner or a Separate Contractor except with written consent of the Owner and of the Separate Contractor. Consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold, from the Owner or a Separate Contractor, its consent to cutting or otherwise altering the Work.

§ 3.15 Cleaning Up

§ 3.15.1 The Contractor shall keep the premises and surrounding area free from accumulation of waste materials and rubbish caused by operations under the Contract. At completion of the Work, the Contractor shall remove waste materials, rubbish, the Contractor's tools, construction equipment, machinery, and surplus materials from and about the Project.

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§ 3.15.2 If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so and the Owner shall be entitled to reimbursement from the Contractor.

§ 3.16 Access to Work

The Contractor shall provide the Owner and Architect with access to the Work in preparation and progress wherever located.

§ 3.17 Royalties, Patents and Copyrights

The Contractor shall pay all royalties and license fees. The Contractor shall defend suits or claims for infringement of copyrights and patent rights and shall hold the Owner and Architect harmless from loss on account thereof, but shall not be responsible for defense or loss when a particular design, process, or product of a particular manufacturer or manufacturers is required by the Contract Documents, or where the copyright violations are contained in Drawings, Specifications, or other documents prepared by the Owner or Architect. However, if an infringement of a copyright or patent is discovered by, or made known to, the Contractor, the Contractor shall be responsible for the loss unless the information is promptly furnished to the Architect.

§ 3.18 Indemnification

§ 3.18.1 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section 3.18.

§ 3.18.2 In claims against any person or entity indemnified under this Section 3.18 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under Section 3.18.1 shall not be limited by a limitation on amount or type of damages, compensation, or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

ARTICLE 4 ARCHITECT

§ 4.1 General

§ 4.1.1 The Architect is the person or entity retained by the Owner pursuant to Section 2.3.2 and identified as such in the Agreement.

§ 4.1.2 Duties, responsibilities, and limitations of authority of the Architect as set forth in the Contract Documents shall not be restricted, modified, or extended without written consent of the Owner, Contractor, and Architect. Consent shall not be unreasonably withheld.

§ 4.2 Administration of the Contract

§ 4.2.1 The Architect will provide administration of the Contract as described in the Contract Documents and will be an Owner's representative during construction until the date the Architect issues the final Certificate for Payment. The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents. "Work" as used herein with regard to the performance of the Architect, shall mean those elements and systems of the Project within the Architect's Scope of Service under the Architectural Service agreement.

§ 4.2.2 The Architect will visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Owner, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Architect

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will not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities under the Contract Documents.

§ 4.2.3 On the basis of the site visits, the Architect will keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and promptly report to the Owner (1) known deviations from the Contract Documents, (2) known deviations from the most recent construction schedule submitted by the Contractor, and (3) defects and deficiencies observed in the Work. The Architect will not be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect will not have control over or charge of, and will not be responsible for acts or omissions of, the Contractor, Subcontractors, or their agents or employees, or any other persons or entities performing portions of the Work.

§ 4.2.4 Communications

The Owner and Contractor shall include the Architect in all communications that relate to or affect the Architect's services or professional responsibilities. The Owner shall promptly notify the Architect of the substance of any direct communications between the Owner and the Contractor otherwise relating to the Project. Communications by and with the Architect's consultants shall be through the Architect. Communications by and with Subcontractors and suppliers shall be through the Contractor. Communications by and with Separate Contractors shall be through the Owner. The Contract Documents may specify other communication protocols.

§ 4.2.5 Based on the Architect's evaluations of the Contractor's Applications for Payment, the Architect will review and certify the amounts due the Contractor and will issue Certificates for Payment in such amounts.

§ 4.2.6 The Architect has authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect will have authority to require inspection or testing of the Work in accordance with Sections 13.4.2 and 13.4.3, whether or not the Work is fabricated, installed or completed. However, neither this authority of the Architect nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect to the Contractor, Subcontractors, suppliers, their agents or employees, or other persons or entities performing portions of the Work.

§ 4.2.7 The Architect will review and approve, or take other appropriate action upon, the Contractor's submittals such as Shop Drawings, Product Data, and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Architect's action will be taken in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time in the Architect's professional judgment to permit adequate review. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the Contractor as required by the Contract Documents. The Architect's review of the Contractor's submittals shall not relieve the Contractor of the obligations under Sections 3.3, 3.5, and 3.12. The Architect's review shall not constitute approval of safety precautions or of any construction means, methods, techniques, sequences, or procedures. The Architect's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

§ 4.2.8 The Architect will prepare Change Orders and Construction Change Directives, and may order minor changes in the Work as provided in Section 7.4. The Architect will investigate and make determinations and recommendations regarding concealed and unknown conditions as provided in Section 3.7.4.

§ 4.2.9 The Architect will conduct inspections to determine the date or dates of Substantial Completion and the date of final completion; issue Certificates of Substantial Completion pursuant to Section 9.8; receive and forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract and assembled by the Contractor pursuant to Section 9.10; and issue a final Certificate for Payment pursuant to Section 9.10.

§ 4.2.10 If the Owner and Architect agree, the Architect will provide one or more Project representatives to assist in carrying out the Architect's responsibilities at the site. The Owner shall notify the Contractor of any change in

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the duties, responsibilities and limitations of authority of the Project representatives.

§ 4.2.11 The Architect will interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness.

§ 4.2.12 Interpretations and decisions of the Architect will be consistent with the intent of, and reasonably inferable from, the Contract Documents and will be in writing or in the form of drawings. When making such interpretations and decisions, the Architect will endeavor to secure faithful performance by both Owner and Contractor, will not show partiality to either, and will not be liable for results of interpretations or decisions rendered in good faith.

§ 4.2.13 The Architect's decisions on matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents.

§ 4.2.14 The Architect will review and respond to requests for information about the Contract Documents. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness. If appropriate, the Architect will prepare and issue supplemental Drawings and Specifications in response to the requests for information.

ARTICLE 5 SUBCONTRACTORS

§ 5.1 Definitions

§ 5.1.1 A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the Work at the site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a Separate Contractor or the subcontractors of a Separate Contractor.

§ 5.1.2 A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work at the site. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

§ 5.2 Award of Subcontracts and Other Contracts for Portions of the Work

§ 5.2.1 Unless otherwise stated in the Contract Documents, the Contractor, as soon as practicable after award of the Contract, shall notify the Owner and Architect of the persons or entities proposed for each principal portion of the Work, including those who are to furnish materials or equipment fabricated to a special design. Within 14 days of receipt of the information, the Architect may notify the Contractor whether the Owner or the Architect (1) has reasonable objection to any such proposed person or entity or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

§ 5.2.2 The Contractor shall not contract with a proposed person or entity to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not be required to contract with anyone to whom the Contractor has made reasonable objection.

§ 5.2.3 If the Owner or Architect has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Owner or Architect has no reasonable objection. If the proposed but rejected Subcontractor was reasonably capable of performing the Work, the Contract Sum and Contract Time shall be increased or decreased by the difference, if any, occasioned by such change, and an appropriate Change Order shall be issued before commencement of the substitute Subcontractor's Work. However, no increase in the Contract Sum or Contract Time shall be allowed for such change unless the Contractor has acted promptly and responsively in submitting names as required.

§ 5.2.4 The Contractor shall not substitute a Subcontractor, person, or entity for one previously selected if the Owner or Architect makes reasonable objection to such substitution.

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§ 5.3 Subcontractual Relations

By appropriate written agreement, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities, including the responsibility for safety of the Subcontractor's Work that the Contractor, by these Contract Documents, assumes toward the Owner and Architect. Each subcontract agreement shall preserve and protect the rights of the Owner and Architect under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies, and redress against the Contractor that the Contractor, by the Contract Documents, has against the Owner. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract agreement that may be at variance with the Contract Documents. Subcontractors will similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

§ 5.4 Contingent Assignment of Subcontracts

§ 5.4.1 Each subcontract agreement for a portion of the Work is assigned by the Contractor to the Owner, provided that

.1 assignment is effective only after termination of the Contract by the Owner for cause pursuant to Section 14.2 and only for those subcontract agreements that the Owner accepts by notifying the Subcontractor and Contractor; and

.2 assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Contract.

When the Owner accepts the assignment of a subcontract agreement, the Owner assumes the Contractor's rights and obligations under the subcontract.

§ 5.4.2 Upon such assignment, if the Work has been suspended for more than 30 days, the Subcontractor's compensation shall be equitably adjusted for increases in cost resulting from the suspension.

§ 5.4.3 Upon assignment to the Owner under this Section 5.4, the Owner may further assign the subcontract to a successor contractor or other entity. If the Owner assigns the subcontract to a successor contractor or other entity, the Owner shall nevertheless remain legally responsible for all of the successor contractor's obligations under the subcontract.

ARTICLE 6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS

§ 6.1 Owner's Right to Perform Construction and to Award Separate Contracts

§ 6.1.1 The term "Separate Contractor(s)" shall mean other contractors retained by the Owner under separate agreements. The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and with Separate Contractors retained under Conditions of the Contract substantially similar to those of this Contract, including those provisions of the Conditions of the Contract related to insurance and waiver of subrogation.

§ 6.1.2 When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Contractor" in the Contract Documents in each case shall mean the Contractor who executes each separate Owner-Contractor Agreement.

§ 6.1.3 The Owner shall provide for coordination of the activities of the Owner's own forces and of each Separate Contractor with the Work of the Contractor, who shall cooperate with them. The Contractor shall participate with any Separate Contractors and the Owner in reviewing their construction schedules. The Contractor shall make any revisions to its construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Contractor, Separate Contractors, and the Owner until subsequently revised.

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§ 6.1.4 Unless otherwise provided in the Contract Documents, when the Owner performs construction or operations related to the Project with the Owner's own forces or with Separate Contractors, the Owner or its Separate Contractors shall have the same obligations and rights that the Contractor has under the Conditions of the Contract, including, without excluding others, those stated in Article 3, this Article 6, and Articles 10, 11, and 12.

§ 6.2 Mutual Responsibility

§ 6.2.1 The Contractor shall afford the Owner and Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the Contractor's construction and operations with theirs as required by the Contract Documents.

§ 6.2.2 If part of the Contractor's Work depends for proper execution or results upon construction or operations by the Owner or a Separate Contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly notify the Architect of apparent discrepancies or defects in the construction or operations by the Owner or Separate Contractor that would render it unsuitable for proper execution and results of the Contractor's Work. Failure of the Contractor to notify the Architect of apparent discrepancies or defects prior to proceeding with the Work shall constitute an acknowledgment that the Owner's or Separate Contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work. The Contractor shall not be responsible for discrepancies or defects in the construction or operations by the Owner or Separate Contractor that are not apparent.

§ 6.2.3 The Contractor shall reimburse the Owner for costs the Owner incurs that are payable to a Separate Contractor because of the Contractor's delays, improperly timed activities or defective construction. The Owner shall be responsible to the Contractor for costs the Contractor incurs because of a Separate Contractor's delays, improperly timed activities, damage to the Work or defective construction.

§ 6.2.4 The Contractor shall promptly remedy damage that the Contractor wrongfully causes to completed or partially completed construction or to property of the Owner or Separate Contractor as provided in Section 10.2.5.

§ 6.2.5 The Owner and each Separate Contractor shall have the same responsibilities for cutting and patching as are described for the Contractor in Section 3.14.

§ 6.3 Owner's Right to Clean Up

If a dispute arises among the Contractor, Separate Contractors, and the Owner as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the Owner may clean up and the Architect will allocate the cost among those responsible.

ARTICLE 7 CHANGES IN THE WORK

§ 7.1 General

§ 7.1.1 Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Article 7 and elsewhere in the Contract Documents.

§ 7.1.2 A Change Order shall be based upon agreement among the Owner, Contractor, and Architect. A Construction Change Directive requires agreement by the Owner and Architect and may or may not be agreed to by the Contractor. An order for a minor change in the Work may be issued by the Architect alone.

§ 7.1.3 Changes in the Work shall be performed under applicable provisions of the Contract Documents. The Contractor shall proceed promptly with changes in the Work, unless otherwise provided in the Change Order, Construction Change Directive, or order for a minor change in the Work.

§ 7.2 Change Orders

§ 7.2.1 A Change Order is a written instrument prepared by the Architect and signed by the Owner, Contractor, and Architect stating their agreement upon all of the following:

.1 The change in the Work;

.2 The amount of the adjustment, if any, in the Contract Sum; and

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.3 The extent of the adjustment, if any, in the Contract Time.

§ 7.3 Construction Change Directives

§ 7.3.1 A Construction Change Directive is a written order prepared by the Architect and signed by the Owner and Architect, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Sum or Contract Time, or both. The Owner may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions, the Contract Sum and Contract Time being adjusted accordingly.

§ 7.3.2 A Construction Change Directive shall be used in the absence of total agreement on the terms of a Change Order.

§ 7.3.3 If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

.1 Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;

.2 Unit prices stated in the Contract Documents or subsequently agreed upon;

.3 Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or

.4 As provided in Section 7.3.4.

§ 7.3.4 If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the Architect shall determine the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, an amount for overhead and profit as set forth in the Agreement, or if no such amount is set forth in the Agreement, a reasonable amount. In such case, and also under Section 7.3.3.3, the Contractor shall keep and present, in such form as the Architect may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Section 7.3.4 shall be limited to the following:

.1 Costs of labor, including applicable payroll taxes, fringe benefits required by agreement or custom, workers' compensation insurance, and other employee costs approved by the Architect;

.2 Costs of materials, supplies, and equipment, including cost of transportation, whether incorporated or consumed;

.3 Rental costs of machinery and equipment, exclusive of hand tools, whether rented from the Contractor or others;

.4 Costs of premiums for all bonds and insurance, permit fees, and sales, use, or similar taxes, directly related to the change; and

.5 Costs of supervision and field office personnel directly attributable to the change.

§ 7.3.5 If the Contractor disagrees with the adjustment in the Contract Time, the Contractor may make a Claim in accordance with applicable provisions of Article 15.

§ 7.3.6 Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved and advise the Architect of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

§ 7.3.7 A Construction Change Directive signed by the Contractor indicates the Contractor's agreement therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

§ 7.3.8 The amount of credit to be allowed by the Contractor to the Owner for a deletion or change that results in a net decrease in the Contract Sum shall be actual net cost as confirmed by the Architect. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change.

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§ 7.3.9 Pending final determination of the total cost of a Construction Change Directive to the Owner, the Contractor may request payment for Work completed under the Construction Change Directive in Applications for Payment. The Architect will make an interim determination for purposes of monthly certification for payment for those costs and certify for payment the amount that the Architect determines, in the Architect's professional judgment, to be reasonably justified. The Architect's interim determination of cost shall adjust the Contract Sum on the same basis as a Change Order, subject to the right of either party to disagree and assert a Claim in accordance with Article 15.

§ 7.3.10 When the Owner and Contractor agree with a determination made by the Architect concerning the adjustments in the Contract Sum and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and the Architect will prepare a Change Order. Change Orders may be issued for all or any part of a Construction Change Directive.

§ 7.4 Minor Changes in the Work

The Architect may order minor changes in the Work that are consistent with the intent of the Contract Documents and do not involve an adjustment in the Contract Sum or an extension of the Contract Time. The Architect's order for minor changes shall be in writing. If the Contractor believes that the proposed minor change in the Work will affect the Contract Sum or Contract Time, the Contractor shall notify the Architect and shall not proceed to implement the change in the Work. If the Contractor performs the Work set forth in the Architect's order for a minor change without prior notice to the Architect that such change will affect the Contract Sum or Contract Time, the Contractor waives any adjustment to the Contract Sum or extension of the Contract Time.

ARTICLE 8 TIME

§ 8.1 Definitions

§ 8.1.1 Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work.

§ 8.1.2 The date of commencement of the Work is the date established in the Agreement.

§ 8.1.3 The date of Substantial Completion is the date certified by the Architect in accordance with Section 9.8.

§ 8.1.4 The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

§ 8.2 Progress and Completion

§ 8.2.1 Time limits stated in the Contract Documents are of the essence of the Contract. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

§ 8.2.2 The Contractor shall not knowingly, except by agreement or instruction of the Owner in writing, commence the Work prior to the effective date of insurance required to be furnished by the Contractor and Owner.

§ 8.2.3 The Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.

§ 8.3 Delays and Extensions of Time

§ 8.3.1 If the Contractor is delayed at any time in the commencement or progress of the Work by (1) an act or neglect of the Owner or Architect, of an employee of either, or of a Separate Contractor; (2) by changes ordered in the Work; (3) by labor disputes, fire, unusual delay in deliveries, unavoidable casualties, adverse weather conditions documented in accordance with Section 15.1.6.2, or other causes beyond the Contractor's control; (4) by delay authorized by the Owner pending mediation and binding dispute resolution; or (5) by other causes that the Contractor asserts, and the Architect determines, justify delay, then the Contract Time shall be extended for such reasonable time as the Architect may determine.

§ 8.3.2 Claims relating to time shall be made in accordance with applicable provisions of Article 15.

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§ 8.3.3 This Section 8.3 does not preclude recovery of damages for delay by either party under other provisions of the Contract Documents.

ARTICLE 9 PAYMENTS AND COMPLETION

§ 9.1 Contract Sum

§ 9.1.1 The Contract Sum is stated in the Agreement and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

§ 9.1.2 If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed so that application of such unit prices to the actual quantities causes substantial inequity to the Owner or Contractor, the applicable unit prices shall be equitably adjusted.

§ 9.2 Schedule of Values

Where the Contract is based on a stipulated sum or Guaranteed Maximum Price, the Contractor shall submit a schedule of values to the Architect before the first Application for Payment, allocating the entire Contract Sum to the various portions of the Work. The schedule of values shall be prepared in the form, and supported by the data to substantiate its accuracy, required by the Architect. This schedule, unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's Applications for Payment. Any changes to the schedule of values shall be submitted to the Architect and supported by such data to substantiate its accuracy as the Architect may require, and unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's subsequent Applications for Payment.

§ 9.3 Applications for Payment

§ 9.3.1 At least ten days before the date established for each progress payment, the Contractor shall submit to the Architect an itemized Application for Payment prepared in accordance with the schedule of values, if required under Section 9.2, for completed portions of the Work. The application shall be notarized, if required, and supported by all data substantiating the Contractor's right to payment that the Owner or Architect require, such as copies of requisitions, and releases and waivers of liens from Subcontractors and suppliers, and shall reflect retainage if provided for in the Contract Documents.

§ 9.3.1.1 As provided in Section 7.3.9, such applications may include requests for payment on account of changes in the Work that have been properly authorized by Construction Change Directives, or by interim determinations of the Architect, but not yet included in Change Orders.

§ 9.3.1.2 Applications for Payment shall not include requests for payment for portions of the Work for which the Contractor does not intend to pay a Subcontractor or supplier, unless such Work has been performed by others whom the Contractor intends to pay.

§ 9.3.2 Unless otherwise provided in the Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location agreed upon in writing. Payment for materials and equipment stored on or off the site shall be conditioned upon compliance by the Contractor with procedures satisfactory to the Owner to establish the Owner's title to such materials and equipment or otherwise protect the Owner's interest, and shall include the costs of applicable insurance, storage, and transportation to the site, for such materials and equipment stored off the site.

§ 9.3.3 The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of liens, claims, security interests, or encumbrances, in favor of the Contractor, Subcontractors, suppliers, or other persons or entities that provided labor, materials, and equipment relating to the Work.

§ 9.4 Certificates for Payment

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§ 9.4.1 The Architect will, within seven days after receipt of the Contractor's Application for Payment, either (1) issue to the Owner a Certificate for Payment in the full amount of the Application for Payment, with a copy to the Contractor; or (2) issue to the Owner a Certificate for Payment for such amount as the Architect determines is properly due, and notify the Contractor and Owner of the Architect's reasons for withholding certification in part as provided in Section 9.5.1; or (3) withhold certification of the entire Application for Payment, and notify the Contractor and Owner of the Architect's reason for withholding certification in whole as provided in Section 9.5.1.

§ 9.4.2 The issuance of a Certificate for Payment will constitute a representation by the Architect to the Owner, based on the Architect's evaluation of the Work and the data in the Application for Payment, that, to the best of the Architect's knowledge, information, and belief, the Work has progressed to the point indicated, the quality of the Work is in accordance with the Contract Documents, and that the Contractor is entitled to payment in the amount certified. The foregoing representations are subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Contract Documents prior to completion, and to specific qualifications expressed by the Architect. However, the issuance of a Certificate for Payment will not be a representation that the Architect has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work; (2) reviewed construction means, methods, techniques, sequences, or procedures; (3) reviewed copies of requisitions received from Subcontractors and suppliers and other data requested by the Owner to substantiate the Contractor's right to payment; or (4) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

§ 9.5 Decisions to Withhold Certification

§ 9.5.1 The Architect may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in the Architect's opinion the representations to the Owner required by Section 9.4.2 cannot be made. If the Architect is unable to certify payment in the amount of the Application, the Architect will notify the Contractor and Owner as provided in Section 9.4.1. If the Contractor and Architect cannot agree on a revised amount, the Architect will promptly issue a Certificate for Payment for the amount for which the Architect is able to make such representations to the Owner. The Architect may also withhold a Certificate for Payment or, because of subsequently discovered evidence, may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions described in Section 3.3.2, because of

- **.1** defective Work not remedied;
- **.2** third party claims filed or reasonable evidence indicating probable filing of such claims, unless security acceptable to the Owner is provided by the Contractor;
- **.3** failure of the Contractor to make payments properly to Subcontractors or suppliers for labor, materials or equipment;
- **.4** reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;
- **.5** damage to the Owner or a Separate Contractor;
- **.6** reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay; or
- **.7** repeated failure to carry out the Work in accordance with the Contract Documents.

§ 9.5.2 When either party disputes the Architect's decision regarding a Certificate for Payment under Section 9.5.1, in whole or in part, that party may submit a Claim in accordance with Article 15.

§ 9.5.3 When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

§ 9.5.4 If the Architect withholds certification for payment under Section 9.5.1.3, the Owner may, at its sole option, issue joint checks to the Contractor and to any Subcontractor or supplier to whom the Contractor failed to make payment for Work properly performed or material or equipment suitably delivered. If the Owner makes payments by joint check, the Owner shall notify the Architect and the Contractor shall reflect such payment on its next Application for Payment.

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§ 9.6 Progress Payments

§ 9.6.1 After the Architect has issued a Certificate for Payment, the Owner shall make payment in the manner and within the time provided in the Contract Documents, and shall so notify the Architect.

§ 9.6.2 The Contractor shall pay each Subcontractor, no later than seven days after receipt of payment from the Owner, the amount to which the Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of the Subcontractor's portion of the Work. The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

§ 9.6.3 The Architect will, on request, furnish to a Subcontractor, if practicable, information regarding percentages of completion or amounts applied for by the Contractor and action taken thereon by the Architect and Owner on account of portions of the Work done by such Subcontractor.

§ 9.6.4 The Owner has the right to request written evidence from the Contractor that the Contractor has properly paid Subcontractors and suppliers amounts paid by the Owner to the Contractor for subcontracted Work. If the Contractor fails to furnish such evidence within seven days, the Owner shall have the right to contact Subcontractors and suppliers to ascertain whether they have been properly paid. Neither the Owner nor Architect shall have an obligation to pay, or to see to the payment of money to, a Subcontractor or supplier, except as may otherwise be required by law.

§ 9.6.5 The Contractor's payments to suppliers shall be treated in a manner similar to that provided in Sections 9.6.2, 9.6.3 and 9.6.4.

§ 9.6.6 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the Contract Documents.

§ 9.6.7 Unless the Contractor provides the Owner with a payment bond in the full penal sum of the Contract Sum, payments received by the Contractor for Work properly performed by Subcontractors or provided by suppliers shall be held by the Contractor for those Subcontractors or suppliers who performed Work or furnished materials, or both, under contract with the Contractor for which payment was made by the Owner. Nothing contained herein shall require money to be placed in a separate account and not commingled with money of the Contractor, create any fiduciary liability or tort liability on the part of the Contractor for breach of trust, or entitle any person or entity to an award of punitive damages against the Contractor for breach of the requirements of this provision.

§ 9.6.8 Provided the Owner has fulfilled its payment obligations under the Contract Documents, the Contractor shall defend and indemnify the Owner from all loss, liability, damage or expense, including reasonable attorney's fees and litigation expenses, arising out of any lien claim or other claim for payment by any Subcontractor or supplier of any tier. Upon receipt of notice of a lien claim or other claim for payment, the Owner shall notify the Contractor. If approved by the applicable court, when required, the Contractor may substitute a surety bond for the property against which the lien or other claim for payment has been asserted.

§ 9.7 Failure of Payment

If the Architect does not issue a Certificate for Payment, through no fault of the Contractor, within seven days after receipt of the Contractor's Application for Payment, or if the Owner does not pay the Contractor within seven days after the date established in the Contract Documents, the amount certified by the Architect or awarded by binding dispute resolution, then the Contractor may, upon seven additional days' notice to the Owner and Architect, stop the Work until payment of the amount owing has been received. The Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided for in the Contract Documents.

§ 9.8 Substantial Completion

§ 9.8.1 Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use.

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§ 9.8.2 When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

§ 9.8.3 Upon receipt of the Contractor's list, the Architect will make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the Architect's inspection discloses any item, whether or not included on the Contractor's list, which is not sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work or designated portion thereof for its intended use, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Architect. In such case, the Contractor shall then submit a request for another inspection by the Architect to determine Substantial Completion.

§ 9.8.4 When the Work or designated portion thereof is substantially complete, the Architect will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion; establish responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance; and fix the time within which the Contractor shall finish all items on the list accompanying the Certificate. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

§ 9.8.5 The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in the Certificate. Upon such acceptance, and consent of surety if any, the Owner shall make payment of retainage applying to the Work or designated portion thereof. Such payment shall be adjusted for Work that is incomplete or not in accordance with the requirements of the Contract Documents.

§ 9.9 Partial Occupancy or Use

§ 9.9.1 The Owner may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When the Contractor considers a portion substantially complete, the Contractor shall prepare and submit a list to the Architect as provided under Section 9.8.2. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. The stage of the progress of the Work shall be determined by written agreement between the Owner and Contractor or, if no agreement is reached, by decision of the Architect.

§ 9.9.2 Immediately prior to such partial occupancy or use, the Owner, Contractor, and Architect shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

§ 9.9.3 Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

§ 9.10 Final Completion and Final Payment

§ 9.10.1 Upon receipt of the Contractor's notice that the Work is ready for final inspection and acceptance and upon receipt of a final Application for Payment, the Architect will promptly make such inspection. When the Architect finds the Work acceptable under the Contract Documents and the Contract fully performed, the Architect will promptly issue a final Certificate for Payment stating that to the best of the Architect's knowledge, information and belief, and on the basis of the Architect's on-site visits and inspections, the Work has been completed in accordance with the Contract Documents and that the entire balance found to be due the Contractor and noted in the final Certificate is due and payable. The Architect's final Certificate for Payment will constitute a further representation that conditions listed in Section 9.10.2 as precedent to the Contractor's being entitled to final payment have been fulfilled.

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§ 9.10.2 Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Architect (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect, (3) a written statement that the Contractor knows of no reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, (5) documentation of any special warranties, such as manufacturers' warranties or specific Subcontractor warranties, and (6) if required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts and releases and waivers of liens, claims, security interests, or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien, claim, security interest, or encumbrance. If a lien, claim, security interest, or encumbrance remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging the lien, claim, security interest, or encumbrance, including all costs and reasonable attorneys' fees.

§ 9.10.3 If, after Substantial Completion of the Work, final completion thereof is materially delayed through no fault of the Contractor or by issuance of Change Orders affecting final completion, and the Architect so confirms, the Owner shall, upon application by the Contractor and certification by the Architect, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed, corrected, and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of the surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Contractor to the Architect prior to certification of such payment. Such payment shall be made under terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

§ 9.10.4 The making of final payment shall constitute a waiver of Claims by the Owner except those arising from

- **.1** liens, Claims, security interests, or encumbrances arising out of the Contract and unsettled;
- **.2** failure of the Work to comply with the requirements of the Contract Documents;
- **.3** terms of special warranties required by the Contract Documents; or
- **.4** audits performed by the Owner, if permitted by the Contract Documents, after final payment.

§ 9.10.5 Acceptance of final payment by the Contractor, a Subcontractor, or a supplier, shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

§ 10.1 Safety Precautions and Programs

The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract.

§ 10.2 Safety of Persons and Property

§ 10.2.1 The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to

- **.1** employees on the Work and other persons who may be affected thereby;
- **.2** the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody, or control of the Contractor, a Subcontractor, or a Sub-subcontractor; and
- **.3** other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

§ 10.2.2 The Contractor shall comply with, and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, bearing on safety of persons or property or their protection from damage, injury, or loss.

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§ 10.2.3 The Contractor shall implement, erect, and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards; promulgating safety regulations; and notifying the owners and users of adjacent sites and utilities of the safeguards.

§ 10.2.4 When use or storage of explosives or other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

§ 10.2.5 The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property referred to in Sections 10.2.1.2 and 10.2.1.3 caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 10.2.1.2 and 10.2.1.3. The Contractor may make a Claim for the cost to remedy the damage or loss to the extent such damage or loss is attributable to acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 3.18.

§ 10.2.6 The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner and Architect.

§ 10.2.7 The Contractor shall not permit any part of the construction or site to be loaded so as to cause damage or create an unsafe condition.

§ 10.2.8 Injury or Damage to Person or Property

If either party suffers injury or damage to person or property because of an act or omission of the other party, or of others for whose acts such party is legally responsible, notice of the injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding 21 days after discovery. The notice shall provide sufficient detail to enable the other party to investigate the matter.

§ 10.3 Hazardous Materials and Substances

§ 10.3.1 The Contractor is responsible for compliance with any requirements included in the Contract Documents regarding hazardous materials or substances. If the Contractor encounters a hazardous material or substance not addressed in the Contract Documents and if reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the site by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and notify the Owner and Architect of the condition.

§ 10.3.2 Upon receipt of the Contractor's notice, the Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to cause it to be rendered harmless. Unless otherwise required by the Contract Documents, the Owner shall furnish in writing to the Contractor and Architect the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of the material or substance or who are to perform the task of removal or safe containment of the material or substance. The Contractor and the Architect will promptly reply to the Owner in writing stating whether or not either has reasonable objection to the persons or entities proposed by the Owner. If either the Contractor or Architect has an objection to a person or entity proposed by the Owner, the Owner shall propose another to whom the Contractor and the Architect have no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Contractor. By Change Order, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable additional costs of shutdown, delay, and start-up.

§ 10.3.3 To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Contractor, Subcontractors, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from

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performance of the Work in the affected area if in fact the material or substance presents the risk of bodily injury or death as described in Section 10.3.1 and has not been rendered harmless, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), except to the extent that such damage, loss, or expense is due to the fault or negligence of the party seeking indemnity.

§ 10.3.4 The Owner shall not be responsible under this Section 10.3 for hazardous materials or substances the Contractor brings to the site unless such materials or substances are required by the Contract Documents. The Owner shall be responsible for hazardous materials or substances required by the Contract Documents, except to the extent of the Contractor's fault or negligence in the use and handling of such materials or substances.

§ 10.3.5 The Contractor shall reimburse the Owner for the cost and expense the Owner incurs (1) for remediation of hazardous materials or substances the Contractor brings to the site and negligently handles, or (2) where the Contractor fails to perform its obligations under Section 10.3.1, except to the extent that the cost and expense are due to the Owner's fault or negligence.

§ 10.3.6 If, without negligence on the part of the Contractor, the Contractor is held liable by a government agency for the cost of remediation of a hazardous material or substance solely by reason of performing Work as required by the Contract Documents, the Owner shall reimburse the Contractor for all cost and expense thereby incurred.

§ 10.4 Emergencies

In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury, or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency shall be determined as provided in Article 15 and Article 7.

ARTICLE 11 INSURANCE AND BONDS

§ 11.1 Contractor's Insurance and Bonds

§ 11.1.1 The Contractor shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Contractor shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Owner, Architect, and Architect's consultants shall be named as additional insureds under the Contractor's commercial general liability policy or as otherwise described in the Contract Documents.

§ 11.1.2 The Contractor shall provide surety bonds of the types, for such penal sums, and subject to such terms and conditions as required by the Contract Documents. The Contractor shall purchase and maintain the required bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§ 11.1.3 Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or shall authorize a copy to be furnished.

§ 11.1.4 Notice of Cancellation or Expiration of Contractor's Required Insurance. Within three (3) business days of the date the Contractor becomes aware of an impending or actual cancellation or expiration of any insurance required by the Contract Documents, the Contractor shall provide notice to the Owner of such impending or actual cancellation or expiration. Upon receipt of notice from the Contractor, the Owner shall, unless the lapse in coverage arises from an act or omission of the Owner, have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by the Contractor. The furnishing of notice by the Contractor shall not relieve the Contractor of any contractual obligation to provide any required coverage.

§ 11.2 Owner's Insurance

§ 11.2.1 The Owner shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Owner shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located.

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§ 11.2.2 Failure to Purchase Required Property Insurance. If the Owner fails to purchase and maintain the required property insurance, with all of the coverages and in the amounts described in the Agreement or elsewhere in the Contract Documents, the Owner shall inform the Contractor in writing prior to commencement of the Work. Upon receipt of notice from the Owner, the Contractor may delay commencement of the Work and may obtain insurance that will protect the interests of the Contractor, Subcontractors, and Sub-Subcontractors in the Work. When the failure to provide coverage has been cured or resolved, the Contract Sum and Contract Time shall be equitably adjusted. In the event the Owner fails to procure coverage, the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent the loss to the Owner would have been covered by the insurance to have been procured by the Owner. The cost of the insurance shall be charged to the Owner by a Change Order. If the Owner does not provide written notice, and the Contractor is damaged by the failure or neglect of the Owner to purchase or maintain the required insurance, the Owner shall reimburse the Contractor for all reasonable costs and damages attributable thereto.

§ 11.2.3 Notice of Cancellation or Expiration of Owner's Required Property Insurance. Within three (3) business days of the date the Owner becomes aware of an impending or actual cancellation or expiration of any property insurance required by the Contract Documents, the Owner shall provide notice to the Contractor of such impending or actual cancellation or expiration. Unless the lapse in coverage arises from an act or omission of the Contractor: (1) the Contractor, upon receipt of notice from the Owner, shall have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by either the Owner or the Contractor; (2) the Contract Time and Contract Sum shall be equitably adjusted; and (3) the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent any loss to the Owner would have been covered by the insurance had it not expired or been cancelled. If the Contractor purchases replacement coverage, the cost of the insurance shall be charged to the Owner by an appropriate Change Order. The furnishing of notice by the Owner shall not relieve the Owner of any contractual obligation to provide required insurance.

§ 11.3 Waivers of Subrogation

§ 11.3.1 The Owner and Contractor waive all rights against (1) each other and any of their subcontractors, sub-subcontractors, agents, and employees, each of the other; (2) the Architect and Architect's consultants; and (3) Separate Contractors, if any, and any of their subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire, or other causes of loss, to the extent those losses are covered by property insurance required by the Agreement or other property insurance applicable to the Project, except such rights as they have to proceeds of such insurance. The Owner or Contractor, as appropriate, shall require similar written waivers in favor of the individuals and entities identified above from the Architect, Architect's consultants, Separate Contractors, subcontractors, and sub-subcontractors. The policies of insurance purchased and maintained by each person or entity agreeing to waive claims pursuant to this section 11.3.1 shall not prohibit this waiver of subrogation. This waiver of subrogation shall be effective as to a person or entity (1) even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, (2) even though that person or entity did not pay the insurance premium directly or indirectly, or (3) whether or not the person or entity had an insurable interest in the damaged property.

§ 11.3.2 If during the Project construction period the Owner insures properties, real or personal or both, at or adjacent to the site by property insurance under policies separate from those insuring the Project, or if after final payment property insurance is to be provided on the completed Project through a policy or policies other than those insuring the Project during the construction period, to the extent permissible by such policies, the Owner waives all rights in accordance with the terms of Section 11.3.1 for damages caused by fire or other causes of loss covered by this separate property insurance.

§ 11.4 Loss of Use, Business Interruption, and Delay in Completion Insurance

The Owner, at the Owner's option, may purchase and maintain insurance that will protect the Owner against loss of use of the Owner's property, or the inability to conduct normal operations, due to fire or other causes of loss. The Owner waives all rights of action against the Contractor and Architect for loss of use of the Owner's property, due to fire or other hazards however caused.

§11.5 Adjustment and Settlement of Insured Loss

§ 11.5.1 A loss insured under the property insurance required by the Agreement shall be adjusted by the Owner as fiduciary and made payable to the Owner as fiduciary for the insureds, as their interests may appear, subject to

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requirements of any applicable mortgagee clause and of Section 11.5.2. The Owner shall pay the Architect and Contractor their just shares of insurance proceeds received by the Owner, and by appropriate agreements the Architect and Contractor shall make payments to their consultants and Subcontractors in similar manner.

§ 11.5.2 Prior to settlement of an insured loss, the Owner shall notify the Contractor of the terms of the proposed settlement as well as the proposed allocation of the insurance proceeds. The Contractor shall have 14 days from receipt of notice to object to the proposed settlement or allocation of the proceeds. If the Contractor does not object, the Owner shall settle the loss and the Contractor shall be bound by the settlement and allocation. Upon receipt, the Owner shall deposit the insurance proceeds in a separate account and make the appropriate distributions. Thereafter, if no other agreement is made or the Owner does not terminate the Contract for convenience, the Owner and Contractor shall execute a Change Order for reconstruction of the damaged or destroyed Work in the amount allocated for that purpose. If the Contractor timely objects to either the terms of the proposed settlement or the allocation of the proceeds, the Owner may proceed to settle the insured loss, and any dispute between the Owner and Contractor arising out of the settlement or allocation of the proceeds shall be resolved pursuant to Article 15. Pending resolution of any dispute, the Owner may issue a Construction Change Directive for the reconstruction of the damaged or destroyed Work.

ARTICLE 12 UNCOVERING AND CORRECTION OF WORK

§ 12.1 Uncovering of Work

§ 12.1.1 If a portion of the Work is covered contrary to the Architect's request or to requirements specifically expressed in the Contract Documents, it must, if requested in writing by the Architect, be uncovered for the Architect's examination and be replaced at the Contractor's expense without change in the Contract Time.

§ 12.1.2 If a portion of the Work has been covered that the Architect has not specifically requested to examine prior to its being covered, the Architect may request to see such Work and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, the Contractor shall be entitled to an equitable adjustment to the Contract Sum and Contract Time as may be appropriate. If such Work is not in accordance with the Contract Documents, the costs of uncovering the Work, and the cost of correction, shall be at the Contractor's expense.

§ 12.2 Correction of Work

§ 12.2.1 Before Substantial Completion

The Contractor shall promptly correct Work rejected by the Architect or failing to conform to the requirements of the Contract Documents, discovered before Substantial Completion and whether or not fabricated, installed or completed. Costs of correcting such rejected Work, including additional testing and inspections, the cost of uncovering and replacement, and compensation for the Architect's services and expenses made necessary thereby, shall be at the Contractor's expense.

§ 12.2.2 After Substantial Completion

§ 12.2.2.1 In addition to the Contractor's obligations under Section 3.5, if, within one year after the date of Substantial Completion of the Work or designated portion thereof or after the date for commencement of warranties established under Section 9.9.1, or by terms of any applicable special warranty required by the Contract Documents, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of notice from the Owner to do so, unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such notice promptly after discovery of the condition. During the one-year period for correction of Work, if the Owner fails to notify the Contractor and give the Contractor an opportunity to make the correction, the Owner waives the rights to require correction by the Contractor and to make a claim for breach of warranty. If the Contractor fails to correct nonconforming Work within a reasonable time during that period after receipt of notice from the Owner or Architect, the Owner may correct it in accordance with Section 2.5.

§ 12.2.2.2 The one-year period for correction of Work shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual completion of that portion of the Work.

§ 12.2.2.3 The one-year period for correction of Work shall not be extended by corrective Work performed by the Contractor pursuant to this Section 12.2.

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§ 12.2.3 The Contractor shall remove from the site portions of the Work that are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.

§ 12.2.4 The Contractor shall bear the cost of correcting destroyed or damaged construction of the Owner or Separate Contractors, whether completed or partially completed, caused by the Contractor's correction or removal of Work that is not in accordance with the requirements of the Contract Documents.

§ 12.2.5 Nothing contained in this Section 12.2 shall be construed to establish a period of limitation with respect to other obligations the Contractor has under the Contract Documents. Establishment of the one-year period for correction of Work as described in Section 12.2.2 relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

§ 12.3 Acceptance of Nonconforming Work

If the Owner prefers to accept Work that is not in accordance with the requirements of the Contract Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Sum will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

ARTICLE 13 MISCELLANEOUS PROVISIONS

§ 13.1 Governing Law

The Contract shall be governed by the law of the place where the Project is located, excluding that jurisdiction's choice of law rules. If the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 15.4.

§ 13.2 Successors and Assigns

§ 13.2.1 The Owner and Contractor respectively bind themselves, their partners, successors, assigns, and legal representatives to covenants, agreements, and obligations contained in the Contract Documents. Except as provided in Section 13.2.2, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

§ 13.2.2 The Owner may, without consent of the Contractor, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Contract Documents. The Contractor shall execute all consents reasonably required to facilitate the assignment.

§ 13.3 Rights and Remedies

§ 13.3.1 Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

§ 13.3.2 No action or failure to act by the Owner, Architect, or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed upon in writing.

§ 13.4 Tests and Inspections

§ 13.4.1 Tests, inspections, and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules, and regulations or lawful orders of public authorities. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections, and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority, and shall bear all related costs of tests, inspections, and approvals. The Contractor shall give the Architect timely notice of when and where tests and inspections are to be made so that the Architect may be

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present for such procedures. The Owner shall bear costs of tests, inspections, or approvals that do not become requirements until after bids are received or negotiations concluded. The Owner shall directly arrange and pay for tests, inspections, or approvals where building codes or applicable laws or regulations so require.

§ 13.4.2 If the Architect, Owner, or public authorities having jurisdiction determine that portions of the Work require additional testing, inspection, or approval not included under Section 13.4.1, the Architect will, upon written authorization from the Owner, instruct the Contractor to make arrangements for such additional testing, inspection, or approval, by an entity acceptable to the Owner, and the Contractor shall give timely notice to the Architect of when and where tests and inspections are to be made so that the Architect may be present for such procedures. Such costs, except as provided in Section 13.4.3, shall be at the Owner's expense.

§ 13.4.3 If procedures for testing, inspection, or approval under Sections 13.4.1 and 13.4.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation for the Architect's services and expenses, shall be at the Contractor's expense.

§ 13.4.4 Required certificates of testing, inspection, or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and promptly delivered to the Architect.

§ 13.4.5 If the Architect is to observe tests, inspections, or approvals required by the Contract Documents, the Architect will do so promptly and, where practicable, at the normal place of testing.

§ 13.4.6 Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work.

§ 13.5 Interest

Payments due and unpaid under the Contract Documents shall bear interest from the date payment is due at the rate the parties agree upon in writing or, in the absence thereof, at the legal rate prevailing from time to time at the place where the Project is located.

ARTICLE 14 TERMINATION OR SUSPENSION OF THE CONTRACT

§ 14.1 Termination by the Contractor

§ 14.1.1 The Contractor may terminate the Contract if the Work is stopped for a period of 30 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, for any of the following reasons:

.1 Issuance of an order of a court or other public authority having jurisdiction that requires all Work to be stopped;

.2 An act of government, such as a declaration of national emergency, that requires all Work to be stopped;

.3 Because the Architect has not issued a Certificate for Payment and has not notified the Contractor of the reason for withholding certification as provided in Section 9.4.1, or because the Owner has not made payment on a Certificate for Payment within the time stated in the Contract Documents; or

.4 The Owner has failed to furnish to the Contractor reasonable evidence as required by Section 2.2.

§ 14.1.2 The Contractor may terminate the Contract if, through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, repeated suspensions, delays, or interruptions of the entire Work by the Owner as described in Section 14.3, constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less.

§ 14.1.3 If one of the reasons described in Section 14.1.1 or 14.1.2 exists, the Contractor may, upon seven days' notice to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work executed, as well as reasonable overhead and profit on Work not executed, and costs incurred by reason of such termination.

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§ 14.1.4 If the Work is stopped for a period of 60 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, or their agents or employees or any other persons or entities performing portions of the Work because the Owner has repeatedly failed to fulfill the Owner's obligations under the Contract Documents with respect to matters important to the progress of the Work, the Contractor may, upon seven additional days' notice to the Owner and the Architect, terminate the Contract and recover from the Owner as provided in Section 14.1.3.

§ 14.2 Termination by the Owner for Cause

§ 14.2.1 The Owner may terminate the Contract if the Contractor

- **.1** repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
- **.2** fails to make payment to Subcontractors or suppliers in accordance with the respective agreements between the Contractor and the Subcontractors or suppliers;
- **.3** repeatedly disregards applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of a public authority; or
- **.4** otherwise is guilty of substantial breach of a provision of the Contract Documents.

§ 14.2.2 When any of the reasons described in Section 14.2.1 exist, and upon certification by the Architect of the existence of facts supporting such reasons and upon certification by the Owner's legal representative that sufficient cause exists to justify such action, the Owner may, without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, seven days' notice, terminate employment of the Contractor and may, subject to any prior rights of the surety:

- **.1** Exclude the Contractor from the site and take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor;
- **.2** Accept assignment of subcontracts pursuant to Section 5.4; and
- **.3** Finish the Work by whatever reasonable method the Owner may deem expedient. Upon written request of the Contractor, the Owner shall furnish to the Contractor a detailed accounting of the costs incurred by the Owner in finishing the Work.

§ 14.2.3 When the Owner terminates the Contract for one of the reasons stated in Section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished.

§ 14.2.4 If the unpaid balance of the Contract Sum exceeds costs of finishing the Work, including compensation for the Architect's services and expenses made necessary thereby, and other damages incurred by the Owner and not expressly waived, such excess shall be paid to the Contractor. If such costs and damages exceed the unpaid balance, the Contractor shall pay the difference to the Owner. The amount to be paid to the Contractor or Owner, as the case may be, shall be certified by the Initial Decision Maker, upon application, and this obligation for payment shall survive termination of the Contract.

§ 14.3 Suspension by the Owner for Convenience

§ 14.3.1 The Owner may, without cause, order the Contractor in writing to suspend, delay or interrupt the Work, in whole or in part for such period of time as the Owner may determine.

§ 14.3.2 The Contract Sum and Contract Time shall be adjusted for increases in the cost and time caused by suspension, delay, or interruption under Section 14.3.1. Adjustment of the Contract Sum shall include profit. No adjustment shall be made to the extent

- **.1** that performance is, was, or would have been, so suspended, delayed, or interrupted, by another cause for which the Contractor is responsible; or
- **.2** that an equitable adjustment is made or denied under another provision of the Contract.

§ 14.4 Termination by the Owner for Convenience

§ 14.4.1 The Owner may, at any time, terminate the Contract for the Owner's convenience and without cause.

§ 14.4.2 Upon receipt of notice from the Owner of such termination for the Owner's convenience, the Contractor shall

- **.1** cease operations as directed by the Owner in the notice;

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.2 take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and

.3 except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

§ 14.4.3 In case of such termination for the Owner's convenience, the Owner shall pay the Contractor for Work properly executed; costs incurred by reason of the termination, including costs attributable to termination of Subcontracts; and the termination fee, if any, set forth in the Agreement.

ARTICLE 15 CLAIMS AND DISPUTES

§ 15.1 Claims

§ 15.1.1 Definition

A Claim is a demand or assertion by one of the parties seeking, as a matter of right, payment of money, a change in the Contract Time, or other relief with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between the Owner and Contractor arising out of or relating to the Contract. The responsibility to substantiate Claims shall rest with the party making the Claim. This Section 15.1.1 does not require the Owner to file a Claim in order to impose liquidated damages in accordance with the Contract Documents.

§ 15.1.2 Time Limits on Claims

The Owner and Contractor shall commence all Claims and causes of action against the other and arising out of or related to the Contract, whether in contract, tort, breach of warranty or otherwise, in accordance with the requirements of the binding dispute resolution method selected in the Agreement and within the period specified by applicable law, but in any case not more than 10 years after the date of Substantial Completion of the Work. The Owner and Contractor waive all Claims and causes of action not commenced in accordance with this Section 15.1.2.

§ 15.1.3 Notice of Claims

§ 15.1.3.1 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered prior to expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party and to the Initial Decision Maker with a copy sent to the Architect, if the Architect is not serving as the Initial Decision Maker. Claims by either party under this Section 15.1.3.1 shall be initiated within 21 days after occurrence of the event giving rise to such Claim or within 21 days after the claimant first recognizes the condition giving rise to the Claim, whichever is later.

§ 15.1.3.2 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party. In such event, no decision by the Initial Decision Maker is required.

§ 15.1.4 Continuing Contract Performance

§ 15.1.4.1 Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in Section 9.7 and Article 14, the Contractor shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Contract Documents.

§ 15.1.4.2 The Contract Sum and Contract Time shall be adjusted in accordance with the Initial Decision Maker's decision, subject to the right of either party to proceed in accordance with this Article 15. The Architect will issue Certificates for Payment in accordance with the decision of the Initial Decision Maker.

§ 15.1.5 Claims for Additional Cost

If the Contractor wishes to make a Claim for an increase in the Contract Sum, notice as provided in Section 15.1.3 shall be given before proceeding to execute the portion of the Work that is the subject of the Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.

§ 15.1.6 Claims for Additional Time

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§ 15.1.6.1 If the Contractor wishes to make a Claim for an increase in the Contract Time, notice as provided in Section 15.1.3 shall be given. The Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

§ 15.1.6.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated, and had an adverse effect on the scheduled construction.

§ 15.1.7 Waiver of Claims for Consequential Damages

The Contractor and Owner waive Claims against each other for consequential damages arising out of or relating to this Contract. This mutual waiver includes

.1 damages incurred by the Owner for rental expenses, for losses of use, income, profit, financing, business and reputation, and for loss of management or employee productivity or of the services of such persons; and

.2 damages incurred by the Contractor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, and for loss of profit, except anticipated profit arising directly from the Work.

This mutual waiver is applicable, without limitation, to all consequential damages due to either party's termination in accordance with Article 14. Nothing contained in this Section 15.1.7 shall be deemed to preclude assessment of liquidated damages, when applicable, in accordance with the requirements of the Contract Documents.

§ 15.2 Initial Decision

§ 15.2.1 Claims, excluding those where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2 or arising under Sections 10.3, 10.4, and 11.5, shall be referred to the Initial Decision Maker for initial decision. The Architect will serve as the Initial Decision Maker, unless otherwise indicated in the Agreement. Except for those Claims excluded by this Section 15.2.1, an initial decision shall be required as a condition precedent to mediation of any Claim. If an initial decision has not been rendered within 30 days after the Claim has been referred to the Initial Decision Maker, the party asserting the Claim may demand mediation and binding dispute resolution without a decision having been rendered. Unless the Initial Decision Maker and all affected parties agree, the Initial Decision Maker will not decide disputes between the Contractor and persons or entities other than the Owner.

§ 15.2.2 The Initial Decision Maker will review Claims and within ten days of the receipt of a Claim take one or more of the following actions: (1) request additional supporting data from the claimant or a response with supporting data from the other party, (2) reject the Claim in whole or in part, (3) approve the Claim, (4) suggest a compromise, or (5) advise the parties that the Initial Decision Maker is unable to resolve the Claim if the Initial Decision Maker lacks sufficient information to evaluate the merits of the Claim or if the Initial Decision Maker concludes that, in the Initial Decision Maker's sole discretion, it would be inappropriate for the Initial Decision Maker to resolve the Claim.

§ 15.2.3 In evaluating Claims, the Initial Decision Maker may, but shall not be obligated to, consult with or seek information from either party or from persons with special knowledge or expertise who may assist the Initial Decision Maker in rendering a decision. The Initial Decision Maker may request the Owner to authorize retention of such persons at the Owner's expense.

§ 15.2.4 If the Initial Decision Maker requests a party to provide a response to a Claim or to furnish additional supporting data, such party shall respond, within ten days after receipt of the request, and shall either (1) provide a response on the requested supporting data, (2) advise the Initial Decision Maker when the response or supporting data will be furnished, or (3) advise the Initial Decision Maker that no supporting data will be furnished. Upon receipt of the response or supporting data, if any, the Initial Decision Maker will either reject or approve the Claim in whole or in part.

§ 15.2.5 The Initial Decision Maker will render an initial decision approving or rejecting the Claim, or indicating that the Initial Decision Maker is unable to resolve the Claim. This initial decision shall (1) be in writing; (2) state the reasons therefor; and (3) notify the parties and the Architect, if the Architect is not serving as the Initial Decision Maker, of any change in the Contract Sum or Contract Time or both. The initial decision shall be final

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and binding on the parties but subject to mediation and, if the parties fail to resolve their dispute through mediation, to binding dispute resolution.

§ 15.2.6 Either party may file for mediation of an initial decision at any time, subject to the terms of Section 15.2.6.1.

§ 15.2.6.1 Either party may, within 30 days from the date of receipt of an initial decision, demand in writing that the other party file for mediation. If such a demand is made and the party receiving the demand fails to file for mediation within 30 days after receipt thereof, then both parties waive their rights to mediate or pursue binding dispute resolution proceedings with respect to the initial decision.

§ 15.2.7 In the event of a Claim against the Contractor, the Owner may, but is not obligated to, notify the surety, if any, of the nature and amount of the Claim. If the Claim relates to a possibility of a Contractor's default, the Owner may, but is not obligated to, notify the surety and request the surety's assistance in resolving the controversy.

§ 15.2.8 If a Claim relates to or is the subject of a mechanic's lien, the party asserting such Claim may proceed in accordance with applicable law to comply with the lien notice or filing deadlines.

§ 15.3 Mediation

§ 15.3.1 Claims, disputes, or other matters in controversy arising out of or related to the Contract, except those waived as provided for in Sections 9.10.4, 9.10.5, and 15.1.7, shall be subject to mediation as a condition precedent to binding dispute resolution.

§ 15.3.2 The parties shall endeavor to resolve their Claims by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of binding dispute resolution proceedings but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration is stayed pursuant to this Section 15.3.2, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

§ 15.3.3 Either party may, within 30 days from the date that mediation has been concluded without resolution of the dispute or 60 days after mediation has been demanded without resolution of the dispute, demand in writing that the other party file for binding dispute resolution. If such a demand is made and the party receiving the demand fails to file for binding dispute resolution within 60 days after receipt thereof, then both parties waive their rights to binding dispute resolution proceedings with respect to the initial decision.

§ 15.3.4 The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

§ 15.4 Arbitration

§ 15.4.1 If the parties have selected arbitration as the method for binding dispute resolution in the Agreement, any Claim subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules in effect on the date of the Agreement. The Arbitration shall be conducted in the place where the Project is located, unless another location is mutually agreed upon. A demand for arbitration shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the arbitration. The party filing a notice of demand for arbitration must assert in the demand all Claims then known to that party on which arbitration is permitted to be demanded.

§ 15.4.1.1 A demand for arbitration shall be made no earlier than concurrently with the filing of a request for mediation, but in no event shall it be made after the date when the institution of legal or equitable proceedings

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based on the Claim would be barred by the applicable statute of limitations. For statute of limitations purposes, receipt of a written demand for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the Claim.

§ 15.4.2 The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.

§ 15.4.3 The foregoing agreement to arbitrate and other agreements to arbitrate with an additional person or entity duly consented to by parties to the Agreement, shall be specifically enforceable under applicable law in any court having jurisdiction thereof.

§ 15.4.4 Consolidation or Joinder

§ 15.4.4.1 Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation, (2) the arbitrations to be consolidated substantially involve common questions of law or fact, and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).

§ 15.4.4.2 Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration, provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of any claim, dispute or other matter in question not described in the written consent.

§ 15.4.4.3 The Owner and Contractor grant to any person or entity made a party to an arbitration conducted under this Section 15.4, whether by joinder or consolidation, the same rights of joinder and consolidation as those of the Owner and Contractor under this Agreement.

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§ 1.1 Basic Definitions

§ 1.1.1 The Contract Documents

§ 1.1.2 The Contract

§ 1.1.3 The Work

§ 1.1.4 The Project

§ 1.1.5 The Drawings

§ 1.1.6 The Specifications

§ 1.1.7 Instruments of Service

§ 1.1.8 Initial Decision Maker

§ 1.2 Correlation and Intent of the Contract Documents

§ 1.2.1 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results.

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§ 1.2.1.1 The invalidity of any provision of the Contract Documents shall not invalidate the Contract or its

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remaining provisions. If it is determined that any provision of the Contract Documents violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Contract Documents shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Contract.

§ 1.2.2 Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

§ 1.2.3 Unless otherwise stated in the Contract Documents, words that have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.

§ 1.3 Capitalization

§ 1.4 Interpretation

§ 1.5 Ownership and Use of Drawings, Specifications, and Other Instruments of Service

§ 1.5.1 The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and retain all common law, statutory, and other reserved rights in their Instruments of Service, including copyrights. The Contractor, Subcontractors, Sub-subcontractors, and suppliers shall not own or claim a copyright in the Instruments of Service. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with the Project is not to be construed as publication in derogation of the Architect's or Architect's consultants' reserved rights.

§ 1.5.2 The Contractor, Subcontractors, Sub-subcontractors, and suppliers are authorized to use and reproduce the Instruments of Service provided to them, subject to any protocols established pursuant to Sections 1.7 and 1.8, solely and exclusively for execution of the Work. All copies made under this authorization shall bear the copyright notice, if any, shown on the Instruments of Service. The Contractor, Subcontractors, Sub-subcontractors, and suppliers may not use the Instruments of Service on other projects or for additions to the Project outside the scope of the Work without the specific written consent of the Owner, Architect, and the Architect's consultants.

§ 1.6 Notice

§ 1.6.1 Except as otherwise provided in Section 1.6.2, where the Contract Documents require one party to notify or give notice to the other party, such notice shall be provided in writing to the designated representative of the party to whom the notice is addressed and shall be deemed to have been duly served if delivered in person, by mail, by courier, or by electronic transmission if a method for electronic transmission is set forth in the Agreement.

§ 1.6.2 Notice of Claims as provided in Section 15.1.3 shall be provided in writing and shall be deemed to have been duly served only if delivered to the designated representative of the party to whom the notice is addressed by certified or registered mail, or by courier providing proof of delivery.

§ 1.7 Digital Data Use and Transmission

§ 1.8 Building Information Models Use and Reliance

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§ 2.1 General

§ 2.1.1 The Owner is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all matters requiring the Owner's approval or authorization. Except as otherwise provided in Section 4.2.1, the Architect does not have such authority. The term "Owner" means the Owner or the Owner's authorized representative.

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§ 2.1.2 The Owner shall furnish to the Contractor, within fifteen days after receipt of a written request, information necessary and relevant for the Contractor to evaluate, give notice of, or enforce mechanic's lien rights. Such information shall include a correct statement of the record legal title to the property on which the Project is located, usually referred to as the site, and the Owner's interest therein.

§ 2.2 Evidence of the Owner's Financial Arrangements

§ 2.2.1 Prior to commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. The Contractor shall have no obligation to commence the Work until the Owner provides such evidence. If commencement of the Work is delayed under this Section 2.2.1, the Contract Time shall be extended appropriately.

§ 2.2.2 Following commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract only if (1) the Owner fails to make payments to the Contractor as the Contract Documents require; (2) the Contractor identifies in writing a reasonable concern regarding the Owner's ability to make payment when due; or (3) a change in the Work materially changes the Contract Sum. If the Owner fails to provide such evidence, as required, within fourteen days of the Contractor's request, the Contractor may immediately stop the Work and, in that event, shall notify the Owner that the Work has stopped. However, if the request is made because a change in the Work materially changes the Contract Sum under (3) above, the Contractor may immediately stop only that portion of the Work affected by the change until reasonable evidence is provided. If the Work is stopped under this Section 2.2.2, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided in the Contract Documents.

§ 2.2.3 After the Owner furnishes evidence of financial arrangements under this Section 2.2, the Owner shall not materially vary such financial arrangements without prior notice to the Contractor.

§ 2.2.4 Where the Owner has designated information furnished under this Section 2.2 as "confidential," the Contractor shall keep the information confidential and shall not disclose it to any other person. However, the Contractor may disclose "confidential" information, after seven (7) days' notice to the Owner, where disclosure is required by law, including a subpoena or other form of compulsory legal process issued by a court or governmental entity, or by court or arbitrator(s) order. The Contractor may also disclose "confidential" information to its employees, consultants, sureties, Subcontractors and their employees, Sub-subcontractors, and others who need to know the content of such information solely and exclusively for the Project and who agree to maintain the confidentiality of such information.

§ 2.3 Information and Services Required of the Owner

§ 2.3.1 Except for permits and fees that are the responsibility of the Contractor under the Contract Documents, including those required under Section 3.7.1, the Owner shall secure and pay for necessary approvals, easements, assessments and charges required for construction, use or occupancy of permanent structures or for permanent changes in existing facilities.

§ 2.3.2 The Owner shall retain an architect lawfully licensed to practice architecture, or an entity lawfully practicing architecture, in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

§ 2.3.3 If the employment of the Architect terminates, the Owner shall employ a successor to whom the Contractor has no reasonable objection and whose status under the Contract Documents shall be that of the Architect.

§ 2.3.4 The Owner shall furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a legal description of the site. The Contractor shall be entitled to rely on the accuracy of information furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

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§ 2.3.5 The Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Contractor's performance of the Work with reasonable promptness after receiving the Contractor's written request for such information or services.

§ 2.3.6 Unless otherwise provided in the Contract Documents, the Owner shall furnish to the Contractor one copy of the Contract Documents for purposes of making reproductions pursuant to Section 1.5.2.

§ 2.4 Owner's Right to Stop the Work

§ 2.5 Owner's Right to Carry Out the Work

§ 3.1 General

§ 3.1.1 The Contractor is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Contractor shall be lawfully licensed, if required in the jurisdiction where the Project is located. The Contractor shall designate in writing a representative who shall have express authority to bind the Contractor with respect to all matters under this Contract. The term "Contractor" means the Contractor or the Contractor's authorized representative.

§ 3.1.2 The Contractor shall perform the Work in accordance with the Contract Documents.

§ 3.1.3 The Contractor shall not be relieved of its obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract, or by tests, inspections or approvals required or performed by persons or entities other than the Contractor.

§ 3.2 Review of Contract Documents and Field Conditions by Contractor

§ 3.2.1 Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become generally familiar with local conditions under which the Work is to be performed, and correlated personal observations with requirements of the Contract Documents.

§ 3.2.2 Because the Contract Documents are complementary, the Contractor shall, before starting each portion of the Work, carefully study and compare the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner pursuant to Section 2.3.4, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the site affecting it. These obligations are for the purpose of facilitating coordination and construction by the Contractor and are not for the purpose of discovering errors, omissions, or inconsistencies in the Contract Documents; however, the Contractor shall promptly report to the Architect any errors, inconsistencies or omissions discovered by or made known to the Contractor as a request for information in such form as the Architect may require. It is recognized that the Contractor's review is made in the Contractor's capacity as a contractor and not as a licensed design professional, unless otherwise specifically provided in the Contract Documents.

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§ 3.2.3 The Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Contractor shall promptly report to the Architect any nonconformity discovered by or made known to the Contractor as a request for information in such form as the Architect may require.

§ 3.2.4 If the Contractor believes that additional cost or time is involved because of clarifications or instructions the Architect issues in response to the Contractor's notices or requests for information pursuant to Sections 3.2.2 or 3.2.3, the Contractor shall submit Claims as provided in Article 15. If the Contractor fails to perform the

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obligations of Sections 3.2.2 or 3.2.3, the Contractor shall pay such costs and damages to the Owner, subject to Section 15.1.7, as would have been avoided if the Contractor had performed such obligations. If the Contractor performs those obligations, the Contractor shall not be liable to the Owner or Architect for damages resulting from errors, inconsistencies or omissions in the Contract Documents, for differences between field measurements or conditions and the Contract Documents, or for nonconformities of the Contract Documents to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities.

§ 3.3 Supervision and Construction Procedures

§ 3.3.1 The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for, and have control over, construction means, methods, techniques, sequences, and procedures, and for coordinating all portions of the Work under the Contract. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences, or procedures, the Contractor shall evaluate the jobsite safety thereof and shall be solely responsible for the jobsite safety of such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely notice to the Owner and Architect, and shall propose alternative means, methods, techniques, sequences, or procedures. The Architect shall evaluate the proposed alternative solely for conformance with the design intent for the completed construction. Unless the Architect objects to the Contractor's proposed alternative, the Contractor shall perform the Work using its alternative means, methods, techniques, sequences, or procedures.

§ 3.3.2 The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for, or on behalf of, the Contractor or any of its Subcontractors.

§ 3.3.3 The Contractor shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

§ 3.4 Labor and Materials

§ 3.4.1 Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

§ 3.4.2 Except in the case of minor changes in the Work approved by the Architect in accordance with Section 3.12.8 or ordered by the Architect in accordance with Section 7.4, the Contractor may make substitutions only with the consent of the Owner, after evaluation by the Architect and in accordance with a Change Order or Construction Change Directive.

§ 3.4.3 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of unfit persons or persons not properly skilled in tasks assigned to them.

§ 3.5 Warranty

§ 3.5.1 The Contractor warrants to the Owner and Architect that materials and equipment furnished under the Contract will be of good quality and new unless the Contract Documents require or permit otherwise. The Contractor further warrants that the Work will conform to the requirements of the Contract Documents and will be free from defects, except for those inherent in the quality of the Work the Contract Documents require or permit. Work, materials, or equipment not conforming to these requirements may be considered defective. The Contractor's warranty excludes remedy for damage or defect caused by abuse, alterations to the Work not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by the Architect, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

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§ 3.5.2 All material, equipment, or other special warranties required by the Contract Documents shall be issued in the name of the Owner, or shall be transferable to the Owner, and shall commence in accordance with Section 9.8.4.

§ 3.6 Taxes

§ 3.7 Permits, Fees, Notices and Compliance with Laws

§ 3.7.1 Unless otherwise provided in the Contract Documents, the Contractor shall secure and pay for the building permit as well as for other permits, fees, licenses, and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Contract and legally required at the time bids are received or negotiations concluded.

§ 3.7.2 The Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work.

§ 3.7.3 If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

§ 3.7.4 Concealed or Unknown Conditions

§ 3.7.5 If, in the course of the Work, the Contractor encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, the Contractor shall immediately suspend any operations that would affect them and shall notify the Owner and Architect. Upon receipt of such notice, the Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. The Contractor shall continue to suspend such operations until otherwise instructed by the Owner but shall continue with all other operations that do not affect those remains or features. Requests for adjustments in the Contract Sum and Contract Time arising from the existence of such remains or features may be made as provided in Article 15.

§ 3.8 Allowances

§ 3.8.1 The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities to whom the Contractor has reasonable objection.

§ 3.8.2 Unless otherwise provided in the Contract Documents,

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§ 3.8.3 Materials and equipment under an allowance shall be selected by the Owner with reasonable promptness.

§ 3.9 Superintendent

§ 3.9.1 The Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall represent the Contractor, and communications given to the superintendent shall be as binding as if given to the Contractor.

§ 3.9.2 The Contractor, as soon as practicable after award of the Contract, shall notify the Owner and Architect of the name and qualifications of a proposed superintendent. Within 14 days of receipt of the information, the Architect may notify the Contractor, stating whether the Owner or the Architect (1) has reasonable objection to the proposed superintendent or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

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§ 3.9.3 The Contractor shall not employ a proposed superintendent to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not change the superintendent without the Owner's consent, which shall not unreasonably be withheld or delayed.

§ 3.10 Contractor's Construction and Submittal Schedules

§ 3.10.1 The Contractor, promptly after being awarded the Contract, shall submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. The schedule shall contain detail appropriate for the Project, including (1) the date of commencement of the Work, interim schedule milestone dates, and the date of Substantial Completion; (2) an apportionment of the Work by construction activity; and (3) the time required for completion of each portion of the Work. The schedule shall provide for the orderly progression of the Work to completion and shall not exceed time limits current under the Contract Documents. The schedule shall be revised at appropriate intervals as required by the conditions of the Work and Project.

§ 3.10.2 The Contractor, promptly after being awarded the Contract and thereafter as necessary to maintain a current submittal schedule, shall submit a submittal schedule for the Architect's approval. The Architect's approval shall not be unreasonably delayed or withheld. The submittal schedule shall (1) be coordinated with the Contractor's construction schedule, and (2) allow the Architect reasonable time to review submittals. If the Contractor fails to submit a submittal schedule, or fails to provide submittals in accordance with the approved submittal schedule, the Contractor shall not be entitled to any increase in Contract Sum or extension of Contract Time based on the time required for review of submittals.

§ 3.10.3 The Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Architect.

§ 3.11 Documents and Samples at the Site

§ 3.12 Shop Drawings, Product Data and Samples

§ 3.12.1 Shop Drawings are drawings, diagrams, schedules, and other data specially prepared for the Work by the Contractor or a Subcontractor, Sub-subcontractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

§ 3.12.2 Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

§ 3.12.3 Samples are physical examples that illustrate materials, equipment, or workmanship, and establish standards by which the Work will be judged.

§ 3.12.4 Shop Drawings, Product Data, Samples, and similar submittals are not Contract Documents. Their purpose is to demonstrate how the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents for those portions of the Work for which the Contract Documents require submittals. Review by the Architect is subject to the limitations of Section 4.2.7. Informational submittals upon which the Architect is not expected to take responsive action may be so identified in the Contract Documents. Submittals that are not required by the Contract Documents may be returned by the Architect without action.

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§ 3.12.5 The Contractor shall review for compliance with the Contract Documents, approve, and submit to the Architect, Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents, in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of Separate Contractors.

§ 3.12.6 By submitting Shop Drawings, Product Data, Samples, and similar submittals, the Contractor represents

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to the Owner and Architect that the Contractor has (1) reviewed and approved them, (2) determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and (3) checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

§ 3.12.7 The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples, or similar submittals, until the respective submittal has been approved by the Architect.

§ 3.12.8 The Work shall be in accordance with approved submittals except that the Contractor shall not be relieved of responsibility for deviations from the requirements of the Contract Documents by the Architect's approval of Shop Drawings, Product Data, Samples, or similar submittals, unless the Contractor has specifically notified the Architect of such deviation at the time of submittal and (1) the Architect has given written approval to the specific deviation as a minor change in the Work, or (2) a Change Order or Construction Change Directive has been issued authorizing the deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples, or similar submittals, by the Architect's approval thereof.

§ 3.12.9 The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples, or similar submittals, to revisions other than those requested by the Architect on previous submittals. In the absence of such notice, the Architect's approval of a resubmission shall not apply to such revisions.

§ 3.12.10 The Contractor shall not be required to provide professional services that constitute the practice of architecture or engineering unless such services are specifically required by the Contract Documents for a portion of the Work or unless the Contractor needs to provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures. The Contractor shall not be required to provide professional services in violation of applicable law.

§ 3.12.10.1 If professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of the Contractor by the Contract Documents, the Owner and the Architect will specify all performance and design criteria that such services must satisfy. The Contractor shall be entitled to rely upon the adequacy and accuracy of the performance and design criteria provided in the Contract Documents. The Contractor shall cause such services or certifications to be provided by an appropriately licensed design professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings, and other submittals prepared by such professional. Shop Drawings, and other submittals related to the Work, designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Architect. The Owner and the Architect shall be entitled to rely upon the adequacy and accuracy of the services, certifications, and approvals performed or provided by such design professionals, provided the Owner and Architect have specified to the Contractor the performance and design criteria that such services must satisfy. Pursuant to this Section 3.12.10, the Architect will review and approve or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

§ 3.12.10.2 If the Contract Documents require the Contractor's design professional to certify that the Work has been performed in accordance with the design criteria, the Contractor shall furnish such certifications to the Architect at the time and in the form specified by the Architect.

§ 3.13 Use of Site

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§ 3.14 Cutting and Patching

§ 3.14.1 The Contractor shall be responsible for cutting, fitting, or patching required to complete the Work or to make its parts fit together properly. All areas requiring cutting, fitting, or patching shall be restored to the condition existing prior to the cutting, fitting, or patching, unless otherwise required by the Contract Documents.

§ 3.14.2 The Contractor shall not damage or endanger a portion of the Work or fully or partially completed

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construction of the Owner or Separate Contractors by cutting, patching, or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter construction by the Owner or a Separate Contractor except with written consent of the Owner and of the Separate Contractor. Consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold, from the Owner or a Separate Contractor, its consent to cutting or otherwise altering the Work.

§ 3.15 Cleaning Up

§ 3.15.1 The Contractor shall keep the premises and surrounding area free from accumulation of waste materials and rubbish caused by operations under the Contract. At completion of the Work, the Contractor shall remove waste materials, rubbish, the Contractor's tools, construction equipment, machinery, and surplus materials from and about the Project.

§ 3.15.2 If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so and the Owner shall be entitled to reimbursement from the Contractor.

§ 3.16 Access to Work

§ 3.17 Royalties, Patents and Copyrights

§ 3.18 Indemnification

§ 3.18.1 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section 3.18.

§ 3.18.2 In claims against any person or entity indemnified under this Section 3.18 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under Section 3.18.1 shall not be limited by a limitation on amount or type of damages, compensation, or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

§ 4.1 General

§ 4.1.1 The Architect is the person or entity retained by the Owner pursuant to Section 2.3.2 and identified as such in the Agreement.

§ 4.1.2 Duties, responsibilities, and limitations of authority of the Architect as set forth in the Contract Documents shall not be restricted, modified, or extended without written consent of the Owner, Contractor, and Architect. Consent shall not be unreasonably withheld.

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§ 4.2 Administration of the Contract

§ 4.2.1 The Architect will provide administration of the Contract as described in the Contract Documents and will be an Owner's representative during construction until the date the Architect issues the final Certificate for Payment. The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents. "Work" as used herein with regard to the performance of the Architect, shall mean those elements and systems of the Project within the Architect's Scope of Service under the Architectural Service

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agreement.

§ 4.2.2 The Architect will visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Owner, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Architect will not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities under the Contract Documents.

§ 4.2.3 On the basis of the site visits, the Architect will keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and promptly report to the Owner (1) known deviations from the Contract Documents, (2) known deviations from the most recent construction schedule submitted by the Contractor, and (3) defects and deficiencies observed in the Work. The Architect will not be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect will not have control over or charge of, and will not be responsible for acts or omissions of, the Contractor, Subcontractors, or their agents or employees, or any other persons or entities performing portions of the Work.

§ 4.2.4 Communications

§ 4.2.5 Based on the Architect's evaluations of the Contractor's Applications for Payment, the Architect will review and certify the amounts due the Contractor and will issue Certificates for Payment in such amounts.

§ 4.2.6 The Architect has authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect will have authority to require inspection or testing of the Work in accordance with Sections 13.4.2 and 13.4.3, whether or not the Work is fabricated, installed or completed. However, neither this authority of the Architect nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect to the Contractor, Subcontractors, suppliers, their agents or employees, or other persons or entities performing portions of the Work.

§ 4.2.7 The Architect will review and approve, or take other appropriate action upon, the Contractor's submittals such as Shop Drawings, Product Data, and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Architect's action will be taken in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time in the Architect's professional judgment to permit adequate review. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the Contractor as required by the Contract Documents. The Architect's review of the Contractor's submittals shall not relieve the Contractor of the obligations under Sections 3.3, 3.5, and 3.12. The Architect's review shall not constitute approval of safety precautions or of any construction means, methods, techniques, sequences, or procedures. The Architect's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

§ 4.2.8 The Architect will prepare Change Orders and Construction Change Directives, and may order minor changes in the Work as provided in Section 7.4. The Architect will investigate and make determinations and recommendations regarding concealed and unknown conditions as provided in Section 3.7.4.

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§ 4.2.9 The Architect will conduct inspections to determine the date or dates of Substantial Completion and the date of final completion; issue Certificates of Substantial Completion pursuant to Section 9.8; receive and forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract and assembled by the Contractor pursuant to Section 9.10; and issue a final Certificate for Payment pursuant to Section 9.10.

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§ 4.2.10 If the Owner and Architect agree, the Architect will provide one or more Project representatives to assist in carrying out the Architect's responsibilities at the site. The Owner shall notify the Contractor of any change in the duties, responsibilities and limitations of authority of the Project representatives.

§ 4.2.11 The Architect will interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness.

§ 4.2.12 Interpretations and decisions of the Architect will be consistent with the intent of, and reasonably inferable from, the Contract Documents and will be in writing or in the form of drawings. When making such interpretations and decisions, the Architect will endeavor to secure faithful performance by both Owner and Contractor, will not show partiality to either, and will not be liable for results of interpretations or decisions rendered in good faith.

§ 4.2.13 The Architect's decisions on matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents.

§ 4.2.14 The Architect will review and respond to requests for information about the Contract Documents. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness. If appropriate, the Architect will prepare and issue supplemental Drawings and Specifications in response to the requests for information.

§ 5.1 Definitions

§ 5.1.1 A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the Work at the site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a Separate Contractor or the subcontractors of a Separate Contractor.

§ 5.1.2 A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work at the site. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

§ 5.2 Award of Subcontracts and Other Contracts for Portions of the Work

§ 5.2.1 Unless otherwise stated in the Contract Documents, the Contractor, as soon as practicable after award of the Contract, shall notify the Owner and Architect of the persons or entities proposed for each principal portion of the Work, including those who are to furnish materials or equipment fabricated to a special design. Within 14 days of receipt of the information, the Architect may notify the Contractor whether the Owner or the Architect (1) has reasonable objection to any such proposed person or entity or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

§ 5.2.2 The Contractor shall not contract with a proposed person or entity to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not be required to contract with anyone to whom the Contractor has made reasonable objection.

§ 5.2.3 If the Owner or Architect has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Owner or Architect has no reasonable objection. If the proposed but rejected Subcontractor was reasonably capable of performing the Work, the Contract Sum and Contract Time shall be increased or decreased by the difference, if any, occasioned by such change, and an appropriate Change Order shall be issued before commencement of the substitute Subcontractor's Work. However, no increase in the Contract Sum or Contract Time shall be allowed for such change unless the Contractor has acted promptly and responsively in submitting names as required.

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§ 5.2.4 The Contractor shall not substitute a Subcontractor, person, or entity for one previously selected if the Owner or Architect makes reasonable objection to such substitution.

§ 5.3 Subcontractual Relations

§ 5.4 Contingent Assignment of Subcontracts

§ 5.4.1 Each subcontract agreement for a portion of the Work is assigned by the Contractor to the Owner, provided that

§ 5.4.2 Upon such assignment, if the Work has been suspended for more than 30 days, the Subcontractor's compensation shall be equitably adjusted for increases in cost resulting from the suspension.

§ 5.4.3 Upon assignment to the Owner under this Section 5.4, the Owner may further assign the subcontract to a successor contractor or other entity. If the Owner assigns the subcontract to a successor contractor or other entity, the Owner shall nevertheless remain legally responsible for all of the successor contractor's obligations under the subcontract.

§ 6.1 Owner's Right to Perform Construction and to Award Separate Contracts

§ 6.1.1 The term "Separate Contractor(s)" shall mean other contractors retained by the Owner under separate agreements. The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and with Separate Contractors retained under Conditions of the Contract substantially similar to those of this Contract, including those provisions of the Conditions of the Contract related to insurance and waiver of subrogation.

§ 6.1.2 When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Contractor" in the Contract Documents in each case shall mean the Contractor who executes each separate Owner-Contractor Agreement.

§ 6.1.3 The Owner shall provide for coordination of the activities of the Owner's own forces and of each Separate Contractor with the Work of the Contractor, who shall cooperate with them. The Contractor shall participate with any Separate Contractors and the Owner in reviewing their construction schedules. The Contractor shall make any revisions to its construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Contractor, Separate Contractors, and the Owner until subsequently revised.

§ 6.1.4 Unless otherwise provided in the Contract Documents, when the Owner performs construction or operations related to the Project with the Owner's own forces or with Separate Contractors, the Owner or its Separate Contractors shall have the same obligations and rights that the Contractor has under the Conditions of the Contract, including, without excluding others, those stated in Article 3, this Article 6, and Articles 10, 11, and 12.

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§ 6.2 Mutual Responsibility

§ 6.2.1 The Contractor shall afford the Owner and Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the Contractor's construction and operations with theirs as required by the Contract Documents.

§ 6.2.2 If part of the Contractor's Work depends for proper execution or results upon construction or operations by the Owner or a Separate Contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly notify the Architect of apparent discrepancies or defects in the construction or operations by the Owner or Separate Contractor that would render it unsuitable for proper execution and results of the Contractor's Work. Failure of the Contractor to notify the Architect of apparent discrepancies or defects prior to proceeding with the Work shall constitute an acknowledgment that the Owner's or Separate Contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work. The Contractor shall not be responsible

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for discrepancies or defects in the construction or operations by the Owner or Separate Contractor that are not apparent.

§ 6.2.3 The Contractor shall reimburse the Owner for costs the Owner incurs that are payable to a Separate Contractor because of the Contractor's delays, improperly timed activities or defective construction. The Owner shall be responsible to the Contractor for costs the Contractor incurs because of a Separate Contractor's delays, improperly timed activities, damage to the Work or defective construction.

§ 6.2.4 The Contractor shall promptly remedy damage that the Contractor wrongfully causes to completed or partially completed construction or to property of the Owner or Separate Contractor as provided in Section 10.2.5.

§ 6.2.5 The Owner and each Separate Contractor shall have the same responsibilities for cutting and patching as are described for the Contractor in Section 3.14.

§ 6.3 Owner's Right to Clean Up

§ 7.1 General

§ 7.1.1 Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Article 7 and elsewhere in the Contract Documents.

§ 7.1.2 A Change Order shall be based upon agreement among the Owner, Contractor, and Architect. A Construction Change Directive requires agreement by the Owner and Architect and may or may not be agreed to by the Contractor. An order for a minor change in the Work may be issued by the Architect alone.

§ 7.1.3 Changes in the Work shall be performed under applicable provisions of the Contract Documents. The Contractor shall proceed promptly with changes in the Work, unless otherwise provided in the Change Order, Construction Change Directive, or order for a minor change in the Work.

§ 7.2 Change Orders

§ 7.2.1 A Change Order is a written instrument prepared by the Architect and signed by the Owner, Contractor, and Architect stating their agreement upon all of the following:

§ 7.3 Construction Change Directives

§ 7.3.1 A Construction Change Directive is a written order prepared by the Architect and signed by the Owner and Architect, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Sum or Contract Time, or both. The Owner may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions, the Contract Sum and Contract Time being adjusted accordingly.

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§ 7.3.2 A Construction Change Directive shall be used in the absence of total agreement on the terms of a Change Order.

§ 7.3.3 If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

§ 7.3.4 If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the Architect shall determine the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, an amount for overhead and profit as set forth in the Agreement, or if no such amount is set forth in the Agreement, a reasonable amount. In such case, and also under Section 7.3.3.3, the Contractor shall keep and present, in such

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form as the Architect may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Section 7.3.4 shall be limited to the following:

§ 7.3.5 If the Contractor disagrees with the adjustment in the Contract Time, the Contractor may make a Claim in accordance with applicable provisions of Article 15.

§ 7.3.6 Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved and advise the Architect of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

§ 7.3.7 A Construction Change Directive signed by the Contractor indicates the Contractor's agreement therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

§ 7.3.8 The amount of credit to be allowed by the Contractor to the Owner for a deletion or change that results in a net decrease in the Contract Sum shall be actual net cost as confirmed by the Architect. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change.

§ 7.3.9 Pending final determination of the total cost of a Construction Change Directive to the Owner, the Contractor may request payment for Work completed under the Construction Change Directive in Applications for Payment. The Architect will make an interim determination for purposes of monthly certification for payment for those costs and certify for payment the amount that the Architect determines, in the Architect's professional judgment, to be reasonably justified. The Architect's interim determination of cost shall adjust the Contract Sum on the same basis as a Change Order, subject to the right of either party to disagree and assert a Claim in accordance with Article 15.

§ 7.3.10 When the Owner and Contractor agree with a determination made by the Architect concerning the adjustments in the Contract Sum and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and the Architect will prepare a Change Order. Change Orders may be issued for all or any part of a Construction Change Directive.

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§ 7.4 Minor Changes in the Work

§ 8.1 Definitions

§ 8.1.1 Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work.

§ 8.1.2 The date of commencement of the Work is the date established in the Agreement.

§ 8.1.3 The date of Substantial Completion is the date certified by the Architect in accordance with Section 9.8.

§ 8.1.4 The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

§ 8.2 Progress and Completion

§ 8.2.1 Time limits stated in the Contract Documents are of the essence of the Contract. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

§ 8.2.2 The Contractor shall not knowingly, except by agreement or instruction of the Owner in writing,

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commence the Work prior to the effective date of insurance required to be furnished by the Contractor and Owner.

§ 8.2.3 The Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.

§ 8.3 Delays and Extensions of Time

§ 8.3.1 If the Contractor is delayed at any time in the commencement or progress of the Work by (1) an act or neglect of the Owner or Architect, of an employee of either, or of a Separate Contractor; (2) by changes ordered in the Work; (3) by labor disputes, fire, unusual delay in deliveries, unavoidable casualties, adverse weather conditions documented in accordance with Section 15.1.6.2, or other causes beyond the Contractor's control; (4) by delay authorized by the Owner pending mediation and binding dispute resolution; or (5) by other causes that the Contractor asserts, and the Architect determines, justify delay, then the Contract Time shall be extended for such reasonable time as the Architect may determine.

§ 8.3.2 Claims relating to time shall be made in accordance with applicable provisions of Article 15.

§ 8.3.3 This Section 8.3 does not preclude recovery of damages for delay by either party under other provisions of the Contract Documents.

§ 9.1 Contract Sum

§ 9.1.1 The Contract Sum is stated in the Agreement and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

§ 9.1.2 If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed so that application of such unit prices to the actual quantities causes substantial inequity to the Owner or Contractor, the applicable unit prices shall be equitably adjusted.

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§ 9.2 Schedule of Values

§ 9.3 Applications for Payment

§ 9.3.1 At least ten days before the date established for each progress payment, the Contractor shall submit to the Architect an itemized Application for Payment prepared in accordance with the schedule of values, if required under Section 9.2, for completed portions of the Work. The application shall be notarized, if required, and supported by all data substantiating the Contractor's right to payment that the Owner or Architect require, such as copies of requisitions, and releases and waivers of liens from Subcontractors and suppliers, and shall reflect retainage if provided for in the Contract Documents.

§ 9.3.1.1 As provided in Section 7.3.9, such applications may include requests for payment on account of changes in the Work that have been properly authorized by Construction Change Directives, or by interim determinations of the Architect, but not yet included in Change Orders.

§ 9.3.1.2 Applications for Payment shall not include requests for payment for portions of the Work for which the Contractor does not intend to pay a Subcontractor or supplier, unless such Work has been performed by others whom the Contractor intends to pay.

§ 9.3.2 Unless otherwise provided in the Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location agreed upon in writing. Payment for materials and equipment stored on or off the site shall be conditioned upon compliance by the Contractor with procedures satisfactory to the Owner to establish the Owner's title to such materials and equipment or otherwise protect the Owner's interest, and shall include the costs of applicable insurance, storage, and transportation to the site, for such materials and equipment stored off

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the site.

§ 9.3.3 The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of liens, claims, security interests, or encumbrances, in favor of the Contractor, Subcontractors, suppliers, or other persons or entities that provided labor, materials, and equipment relating to the Work.

§_9.4 Certificates for Payment

§ 9.4.1 The Architect will, within seven days after receipt of the Contractor's Application for Payment, either (1) issue to the Owner a Certificate for Payment in the full amount of the Application for Payment, with a copy to the Contractor; or (2) issue to the Owner a Certificate for Payment for such amount as the Architect determines is properly due, and notify the Contractor and Owner of the Architect's reasons for withholding certification in part as provided in Section 9.5.1; or (3) withhold certification of the entire Application for Payment, and notify the Contractor and Owner of the Architect's reason for withholding certification in whole as provided in Section 9.5.1.

§ 9.4.2 The issuance of a Certificate for Payment will constitute a representation by the Architect to the Owner, based on the Architect's evaluation of the Work and the data in the Application for Payment, that, to the best of the Architect's knowledge, information, and belief, the Work has progressed to the point indicated, the quality of the Work is in accordance with the Contract Documents, and that the Contractor is entitled to payment in the amount certified. The foregoing representations are subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Contract Documents prior to completion, and to specific qualifications expressed by the Architect. However, the issuance of a Certificate for Payment will not be a representation that the Architect has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work; (2) reviewed construction means, methods, techniques, sequences, or procedures; (3) reviewed copies of requisitions received from Subcontractors and suppliers and other data requested by the Owner to substantiate the Contractor's right to payment; or (4) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

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§_9.5 Decisions to Withhold Certification

§ 9.5.1 The Architect may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in the Architect's opinion the representations to the Owner required by Section 9.4.2 cannot be made. If the Architect is unable to certify payment in the amount of the Application, the Architect will notify the Contractor and Owner as provided in Section 9.4.1. If the Contractor and Architect cannot agree on a revised amount, the Architect will promptly issue a Certificate for Payment for the amount for which the Architect is able to make such representations to the Owner. The Architect may also withhold a Certificate for Payment or, because of subsequently discovered evidence, may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions described in Section 3.3.2, because of

.7 repeated failure to carry out the Work in accordance with the Contract Documents.

§ 9.5.2 When either party disputes the Architect's decision regarding a Certificate for Payment under Section 9.5.1, in whole or in part, that party may submit a Claim in accordance with Article 15.

§ 9.5.3 When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

§ 9.5.4 If the Architect withholds certification for payment under Section 9.5.1.3, the Owner may, at its sole

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option, issue joint checks to the Contractor and to any Subcontractor or supplier to whom the Contractor failed to make payment for Work properly performed or material or equipment suitably delivered. If the Owner makes payments by joint check, the Owner shall notify the Architect and the Contractor shall reflect such payment on its next Application for Payment.

§ 9.6 Progress Payments

§ 9.6.1 After the Architect has issued a Certificate for Payment, the Owner shall make payment in the manner and within the time provided in the Contract Documents, and shall so notify the Architect.

§ 9.6.2 The Contractor shall pay each Subcontractor, no later than seven days after receipt of payment from the Owner, the amount to which the Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of the Subcontractor's portion of the Work. The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

§ 9.6.3 The Architect will, on request, furnish to a Subcontractor, if practicable, information regarding percentages of completion or amounts applied for by the Contractor and action taken thereon by the Architect and Owner on account of portions of the Work done by such Subcontractor.

§ 9.6.4 The Owner has the right to request written evidence from the Contractor that the Contractor has properly paid Subcontractors and suppliers amounts paid by the Owner to the Contractor for subcontracted Work. If the Contractor fails to furnish such evidence within seven days, the Owner shall have the right to contact Subcontractors and suppliers to ascertain whether they have been properly paid. Neither the Owner nor Architect shall have an obligation to pay, or to see to the payment of money to, a Subcontractor or supplier, except as may otherwise be required by law.

§ 9.6.5 The Contractor's payments to suppliers shall be treated in a manner similar to that provided in Sections 9.6.2, 9.6.3 and 9.6.4.

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§ 9.6.6 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the Contract Documents.

§ 9.6.7 Unless the Contractor provides the Owner with a payment bond in the full penal sum of the Contract Sum, payments received by the Contractor for Work properly performed by Subcontractors or provided by suppliers shall be held by the Contractor for those Subcontractors or suppliers who performed Work or furnished materials, or both, under contract with the Contractor for which payment was made by the Owner. Nothing contained herein shall require money to be placed in a separate account and not commingled with money of the Contractor, create any fiduciary liability or tort liability on the part of the Contractor for breach of trust, or entitle any person or entity to an award of punitive damages against the Contractor for breach of the requirements of this provision.

§ 9.6.8 Provided the Owner has fulfilled its payment obligations under the Contract Documents, the Contractor shall defend and indemnify the Owner from all loss, liability, damage or expense, including reasonable attorney's fees and litigation expenses, arising out of any lien claim or other claim for payment by any Subcontractor or supplier of any tier. Upon receipt of notice of a lien claim or other claim for payment, the Owner shall notify the Contractor. If approved by the applicable court, when required, the Contractor may substitute a surety bond for the property against which the lien or other claim for payment has been asserted.

§ 9.7 Failure of Payment

§ 9.8 Substantial Completion

§ 9.8.1 Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use.

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§ 9.8.2 When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

§ 9.8.3 Upon receipt of the Contractor's list, the Architect will make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the Architect's inspection discloses any item, whether or not included on the Contractor's list, which is not sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work or designated portion thereof for its intended use, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Architect. In such case, the Contractor shall then submit a request for another inspection by the Architect to determine Substantial Completion.

§ 9.8.4 When the Work or designated portion thereof is substantially complete, the Architect will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion; establish responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance; and fix the time within which the Contractor shall finish all items on the list accompanying the Certificate. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

§ 9.8.5 The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in the Certificate. Upon such acceptance, and consent of surety if any, the Owner shall make payment of retainage applying to the Work or designated portion thereof. Such payment shall be adjusted for Work that is incomplete or not in accordance with the requirements of the Contract Documents.

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§ 9.9 Partial Occupancy or Use

§ 9.9.1 The Owner may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When the Contractor considers a portion substantially complete, the Contractor shall prepare and submit a list to the Architect as provided under Section 9.8.2. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. The stage of the progress of the Work shall be determined by written agreement between the Owner and Contractor or, if no agreement is reached, by decision of the Architect.

§ 9.9.2 Immediately prior to such partial occupancy or use, the Owner, Contractor, and Architect shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

§ 9.9.3 Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

§ 9.10 Final Completion and Final Payment

§ 9.10.1 Upon receipt of the Contractor's notice that the Work is ready for final inspection and acceptance and upon receipt of a final Application for Payment, the Architect will promptly make such inspection. When the Architect finds the Work acceptable under the Contract Documents and the Contract fully performed, the Architect will promptly issue a final Certificate for Payment stating that to the best of the Architect's knowledge,

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information and belief, and on the basis of the Architect's on-site visits and inspections, the Work has been completed in accordance with the Contract Documents and that the entire balance found to be due the Contractor and noted in the final Certificate is due and payable. The Architect's final Certificate for Payment will constitute a further representation that conditions listed in Section 9.10.2 as precedent to the Contractor's being entitled to final payment have been fulfilled.

§ 9.10.2 Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Architect (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect, (3) a written statement that the Contractor knows of no reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, (5) documentation of any special warranties, such as manufacturers' warranties or specific Subcontractor warranties, and (6) if required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts and releases and waivers of liens, claims, security interests, or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien, claim, security interest, or encumbrance. If a lien, claim, security interest, or encumbrance remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging the lien, claim, security interest, or encumbrance, including all costs and reasonable attorneys' fees.

§ 9.10.3 If, after Substantial Completion of the Work, final completion thereof is materially delayed through no fault of the Contractor or by issuance of Change Orders affecting final completion, and the Architect so confirms, the Owner shall, upon application by the Contractor and certification by the Architect, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed, corrected, and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of the surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Contractor to the Architect prior to certification of such payment. Such payment shall be made under terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

§ 9.10.4 The making of final payment shall constitute a waiver of Claims by the Owner except those arising from

.2 failure of the Work to comply with the requirements of the Contract Documents;-

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§ 9.10.5 Acceptance of final payment by the Contractor, a Subcontractor, or a supplier, shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

§ 10.1 Safety Precautions and Programs

§ 10.2 Safety of Persons and Property

§ 10.2.1 The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to

§ 10.2.2 The Contractor shall comply with, and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, bearing on safety of persons or property or their protection from damage, injury, or loss.

§ 10.2.3 The Contractor shall implement, erect, and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards; promulgating safety regulations; and notifying the owners and users of adjacent sites and utilities of the safeguards.

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§ 10.2.4 When use or storage of explosives or other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

§ 10.2.5 The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property referred to in Sections 10.2.1.2 and 10.2.1.3 caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 10.2.1.2 and 10.2.1.3. The Contractor may make a Claim for the cost to remedy the damage or loss to the extent such damage or loss is attributable to acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 3.18.

§ 10.2.6 The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner and Architect.

§ 10.2.7 The Contractor shall not permit any part of the construction or site to be loaded so as to cause damage or create an unsafe condition.

§ 10.2.8 Injury or Damage to Person or Property

§ 10.3 Hazardous Materials and Substances

§ 10.3.1 The Contractor is responsible for compliance with any requirements included in the Contract Documents regarding hazardous materials or substances. If the Contractor encounters a hazardous material or substance not addressed in the Contract Documents and if reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the site by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and notify the Owner and Architect of the condition.

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§ 10.3.2 Upon receipt of the Contractor's notice, the Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to cause it to be rendered harmless. Unless otherwise required by the Contract Documents, the Owner shall furnish in writing to the Contractor and Architect the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of the material or substance or who are to perform the task of removal or safe containment of the material or substance. The Contractor and the Architect will promptly reply to the Owner in writing stating whether or not either has reasonable objection to the persons or entities proposed by the Owner. If either the Contractor or Architect has an objection to a person or entity proposed by the Owner, the Owner shall propose another to whom the Contractor and the Architect have no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Contractor. By Change Order, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable additional costs of shutdown, delay, and start-up.

§ 10.3.3 To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Contractor, Subcontractors, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance presents the risk of bodily injury or death as described in Section 10.3.1 and has not been rendered harmless, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), except to the extent that such damage, loss, or expense is due to the fault or negligence of the party seeking indemnity.

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§ 10.3.4 The Owner shall not be responsible under this Section 10.3 for hazardous materials or substances the Contractor brings to the site unless such materials or substances are required by the Contract Documents. The Owner shall be responsible for hazardous materials or substances required by the Contract Documents, except to the extent of the Contractor's fault or negligence in the use and handling of such materials or substances.

§ 10.3.5 The Contractor shall reimburse the Owner for the cost and expense the Owner incurs (1) for remediation of hazardous materials or substances the Contractor brings to the site and negligently handles, or (2) where the Contractor fails to perform its obligations under Section 10.3.1, except to the extent that the cost and expense are due to the Owner's fault or negligence.

§ 10.3.6 If, without negligence on the part of the Contractor, the Contractor is held liable by a government agency for the cost of remediation of a hazardous material or substance solely by reason of performing Work as required by the Contract Documents, the Owner shall reimburse the Contractor for all cost and expense thereby incurred.

§ 10.4 Emergencies

§ 11.1 Contractor's Insurance and Bonds

§ 11.1.1 The Contractor shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Contractor shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Owner, Architect, and Architect's consultants shall be named as additional insureds under the Contractor's commercial general liability policy or as otherwise described in the Contract Documents.

§ 11.1.2 The Contractor shall provide surety bonds of the types, for such penal sums, and subject to such terms and conditions as required by the Contract Documents. The Contractor shall purchase and maintain the required bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

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§ 11.1.3 Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or shall authorize a copy to be furnished.

§ 11.1.4 Notice of Cancellation or Expiration of Contractor's Required Insurance. Within three (3) business days of the date the Contractor becomes aware of an impending or actual cancellation or expiration of any insurance required by the Contract Documents, the Contractor shall provide notice to the Owner of such impending or actual cancellation or expiration. Upon receipt of notice from the Contractor, the Owner shall, unless the lapse in coverage arises from an act or omission of the Owner, have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by the Contractor. The furnishing of notice by the Contractor shall not relieve the Contractor of any contractual obligation to provide any required coverage.

§ 11.2 Owner's Insurance

§ 11.2.1 The Owner shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Owner shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located.-

§ 11.2.2 Failure to Purchase Required Property Insurance. If the Owner fails to purchase and maintain the required property insurance, with all of the coverages and in the amounts described in the Agreement or elsewhere in the Contract Documents, the Owner shall inform the Contractor in writing prior to commencement of the Work. Upon receipt of notice from the Owner, the Contractor may delay commencement of the Work and may obtain insurance that will protect the interests of the Contractor, Subcontractors, and Sub-Subcontractors in the Work. When the failure to provide coverage has been cured or resolved, the Contract Sum and Contract Time shall be equitably

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adjusted. In the event the Owner fails to procure coverage, the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent the loss to the Owner would have been covered by the insurance to have been procured by the Owner. The cost of the insurance shall be charged to the Owner by a Change Order. If the Owner does not provide written notice, and the Contractor is damaged by the failure or neglect of the Owner to purchase or maintain the required insurance, the Owner shall reimburse the Contractor for all reasonable costs and damages attributable thereto.

§ 11.2.3 Notice of Cancellation or Expiration of Owner's Required Property Insurance. Within three (3) business days of the date the Owner becomes aware of an impending or actual cancellation or expiration of any property insurance required by the Contract Documents, the Owner shall provide notice to the Contractor of such impending or actual cancellation or expiration. Unless the lapse in coverage arises from an act or omission of the Contractor: (1) the Contractor, upon receipt of notice from the Owner, shall have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by either the Owner or the Contractor; (2) the Contract Time and Contract Sum shall be equitably adjusted; and (3) the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent any loss to the Owner would have been covered by the insurance had it not expired or been cancelled. If the Contractor purchases replacement coverage, the cost of the insurance shall be charged to the Owner by an appropriate Change Order. The furnishing of notice by the Owner shall not relieve the Owner of any contractual obligation to provide required insurance.

§ 11.3 Waivers of Subrogation

§ 11.3.1 The Owner and Contractor waive all rights against (1) each other and any of their subcontractors, sub-subcontractors, agents, and employees, each of the other; (2) the Architect and Architect's consultants; and (3) Separate Contractors, if any, and any of their subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire, or other causes of loss, to the extent those losses are covered by property insurance required by the Agreement or other property insurance applicable to the Project, except such rights as they have to proceeds of such insurance. The Owner or Contractor, as appropriate, shall require similar written waivers in favor of the individuals and entities identified above from the Architect, Architect's consultants, Separate Contractors, subcontractors, and sub-subcontractors. The policies of insurance purchased and maintained by each person or entity agreeing to waive claims pursuant to this section 11.3.1 shall not prohibit this waiver of subrogation. This waiver of subrogation shall be effective as to a person or entity (1) even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, (2) even though that person or entity did not pay the insurance premium directly or indirectly, or (3) whether or not the person or entity had an insurable interest in the damaged property.

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§ 11.3.2 If during the Project construction period the Owner insures properties, real or personal or both, at or adjacent to the site by property insurance under policies separate from those insuring the Project, or if after final payment property insurance is to be provided on the completed Project through a policy or policies other than those insuring the Project during the construction period, to the extent permissible by such policies, the Owner waives all rights in accordance with the terms of Section 11.3.1 for damages caused by fire or other causes of loss covered by this separate property insurance.

§ 11.4 Loss of Use, Business Interruption, and Delay in Completion Insurance

§11.5 Adjustment and Settlement of Insured Loss

§ 11.5.1 A loss insured under the property insurance required by the Agreement shall be adjusted by the Owner as fiduciary and made payable to the Owner as fiduciary for the insureds, as their interests may appear, subject to requirements of any applicable mortgagee clause and of Section 11.5.2. The Owner shall pay the Architect and Contractor their just shares of insurance proceeds received by the Owner, and by appropriate agreements the Architect and Contractor shall make payments to their consultants and Subcontractors in similar manner.

§ 11.5.2 Prior to settlement of an insured loss, the Owner shall notify the Contractor of the terms of the proposed settlement as well as the proposed allocation of the insurance proceeds. The Contractor shall have 14 days from receipt of notice to object to the proposed settlement or allocation of the proceeds. If the Contractor does not object, the Owner shall settle the loss and the Contractor shall be bound by the settlement and allocation. Upon

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receipt, the Owner shall deposit the insurance proceeds in a separate account and make the appropriate distributions. Thereafter, if no other agreement is made or the Owner does not terminate the Contract for convenience, the Owner and Contractor shall execute a Change Order for reconstruction of the damaged or destroyed Work in the amount allocated for that purpose. If the Contractor timely objects to either the terms of the proposed settlement or the allocation of the proceeds, the Owner may proceed to settle the insured loss, and any dispute between the Owner and Contractor arising out of the settlement or allocation of the proceeds shall be resolved pursuant to Article 15. Pending resolution of any dispute, the Owner may issue a Construction Change Directive for the reconstruction of the damaged or destroyed Work.

§ 12.1 Uncovering of Work

§ 12.1.1 If a portion of the Work is covered contrary to the Architect's request or to requirements specifically expressed in the Contract Documents, it must, if requested in writing by the Architect, be uncovered for the Architect's examination and be replaced at the Contractor's expense without change in the Contract Time.

§ 12.1.2 If a portion of the Work has been covered that the Architect has not specifically requested to examine prior to its being covered, the Architect may request to see such Work and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, the Contractor shall be entitled to an equitable adjustment to the Contract Sum and Contract Time as may be appropriate. If such Work is not in accordance with the Contract Documents, the costs of uncovering the Work, and the cost of correction, shall be at the Contractor's expense.

§ 12.2 Correction of Work

§ 12.2.1 Before Substantial Completion

§ 12.2.2 After Substantial Completion

§ 12.2.2.1 In addition to the Contractor's obligations under Section 3.5, if, within one year after the date of Substantial Completion of the Work or designated portion thereof or after the date for commencement of warranties established under Section 9.9.1, or by terms of any applicable special warranty required by the Contract Documents, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of notice from the Owner to do so, unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such notice promptly after discovery of the condition. During the one-year period for correction of Work, if the Owner fails to notify the Contractor and give the Contractor an opportunity to make the correction, the Owner waives the rights to require correction by the Contractor and to make a claim for breach of warranty. If the Contractor fails to correct nonconforming Work within a reasonable time during that period after receipt of notice from the Owner or Architect, the Owner may correct it in accordance with Section 2.5.

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§ 12.2.2.2 The one-year period for correction of Work shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual completion of that portion of the Work.

§ 12.2.2.3 The one-year period for correction of Work shall not be extended by corrective Work performed by the Contractor pursuant to this Section 12.2.

§ 12.2.3 The Contractor shall remove from the site portions of the Work that are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.

§ 12.2.4 The Contractor shall bear the cost of correcting destroyed or damaged construction of the Owner or Separate Contractors, whether completed or partially completed, caused by the Contractor's correction or removal of Work that is not in accordance with the requirements of the Contract Documents.

§ 12.2.5 Nothing contained in this Section 12.2 shall be construed to establish a period of limitation with respect

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to other obligations the Contractor has under the Contract Documents. Establishment of the one-year period for correction of Work as described in Section 12.2.2 relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

§ 12.3 Acceptance of Nonconforming Work

§ 13.1 Governing Law

§ 13.2 Successors and Assigns

§ 13.2.1 The Owner and Contractor respectively bind themselves, their partners, successors, assigns, and legal representatives to covenants, agreements, and obligations contained in the Contract Documents. Except as provided in Section 13.2.2, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

§ 13.2.2 The Owner may, without consent of the Contractor, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Contract Documents. The Contractor shall execute all consents reasonably required to facilitate the assignment.

§ 13.3 Rights and Remedies

§ 13.3.1 Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

§ 13.3.2 No action or failure to act by the Owner, Architect, or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed upon in writing.

§ 13.4 Tests and Inspections

§ 13.4.1 Tests, inspections, and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules, and regulations or lawful orders of public authorities. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections, and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority, and shall bear all related costs of tests, inspections, and approvals. The Contractor shall give the Architect timely notice of when and where tests and inspections are to be made so that the Architect may be present for such procedures. The Owner shall bear costs of tests, inspections, or approvals that do not become requirements until after bids are received or negotiations concluded. The Owner shall directly arrange and pay for tests, inspections, or approvals where building codes or applicable laws or regulations so require.

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§ 13.4.2 If the Architect, Owner, or public authorities having jurisdiction determine that portions of the Work require additional testing, inspection, or approval not included under Section 13.4.1, the Architect will, upon written authorization from the Owner, instruct the Contractor to make arrangements for such additional testing, inspection, or approval, by an entity acceptable to the Owner, and the Contractor shall give timely notice to the Architect of when and where tests and inspections are to be made so that the Architect may be present for such procedures. Such costs, except as provided in Section 13.4.3, shall be at the Owner's expense.

§ 13.4.3 If procedures for testing, inspection, or approval under Sections 13.4.1 and 13.4.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation for the Architect's services

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and expenses, shall be at the Contractor's expense.

§ 13.4.4 Required certificates of testing, inspection, or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and promptly delivered to the Architect.

§ 13.4.5 If the Architect is to observe tests, inspections, or approvals required by the Contract Documents, the Architect will do so promptly and, where practicable, at the normal place of testing.

§ 13.4.6 Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work.

§ 13.5 Interest

§ 14.1 Termination by the Contractor

§ 14.1.1 The Contractor may terminate the Contract if the Work is stopped for a period of 30 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, for any of the following reasons:

§ 14.1.2 The Contractor may terminate the Contract if, through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, repeated suspensions, delays, or interruptions of the entire Work by the Owner as described in Section 14.3, constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less.

§ 14.1.3 If one of the reasons described in Section 14.1.1 or 14.1.2 exists, the Contractor may, upon seven days' notice to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work executed, as well as reasonable overhead and profit on Work not executed, and costs incurred by reason of such termination.

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§ 14.1.4 If the Work is stopped for a period of 60 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, or their agents or employees or any other persons or entities performing portions of the Work because the Owner has repeatedly failed to fulfill the Owner's obligations under the Contract Documents with respect to matters important to the progress of the Work, the Contractor may, upon seven additional days' notice to the Owner and the Architect, terminate the Contract and recover from the Owner as provided in Section 14.1.3.

§ 14.2 Termination by the Owner for Cause

§ 14.2.1 The Owner may terminate the Contract if the Contractor

§ 14.2.2 When any of the reasons described in Section 14.2.1 exist, and upon certification by the Architect of the existence of facts supporting such reasons and upon certification by the Owner's legal representative that sufficient cause exists to justify such action, the Owner may, without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, seven days' notice, terminate employment of the Contractor and may, subject to any prior rights of the surety:

§ 14.2.3 When the Owner terminates the Contract for one of the reasons stated in Section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished.

§ 14.2.4 If the unpaid balance of the Contract Sum exceeds costs of finishing the Work, including compensation for the Architect's services and expenses made necessary thereby, and other damages incurred by the Owner and not expressly waived, such excess shall be paid to the Contractor. If such costs and damages exceed the unpaid balance, the Contractor shall pay the difference to the Owner. The amount to be paid to the Contractor or Owner, as the case may be, shall be certified by the Initial Decision Maker, upon application, and this obligation for

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payment shall survive termination of the Contract.

§ 14.3 Suspension by the Owner for Convenience

§ 14.3.1 The Owner may, without cause, order the Contractor in writing to suspend, delay or interrupt the Work, in whole or in part for such period of time as the Owner may determine.

§ 14.3.2 The Contract Sum and Contract Time shall be adjusted for increases in the cost and time caused by suspension, delay, or interruption under Section 14.3.1. Adjustment of the Contract Sum shall include profit. No adjustment shall be made to the extent

§ 14.4 Termination by the Owner for Convenience

§ 14.4.1 The Owner may, at any time, terminate the Contract for the Owner's convenience and without cause.

§ 14.4.2 Upon receipt of notice from the Owner of such termination for the Owner's convenience, the Contractor shall

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§ 14.4.3 In case of such termination for the Owner's convenience, the Owner shall pay the Contractor for Work properly executed; costs incurred by reason of the termination, including costs attributable to termination of Subcontracts; and the termination fee, if any, set forth in the Agreement.

§ 15.1 Claims

§ 15.1.1 Definition

§ 15.1.2 Time Limits on Claims

§ 15.1.3 Notice of Claims

§ 15.1.3.1 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered prior to expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party and to the Initial Decision Maker with a copy sent to the Architect, if the Architect is not serving as the Initial Decision Maker. Claims by either party under this Section 15.1.3.1 shall be initiated within 21 days after occurrence of the event giving rise to such Claim or within 21 days after the claimant first recognizes the condition giving rise to the Claim, whichever is later.

§ 15.1.3.2 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party. In such event, no decision by the Initial Decision Maker is required.

§ 15.1.4 Continuing Contract Performance

§ 15.1.4.1 Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in Section 9.7 and Article 14, the Contractor shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Contract Documents.

§ 15.1.4.2 The Contract Sum and Contract Time shall be adjusted in accordance with the Initial Decision Maker's decision, subject to the right of either party to proceed in accordance with this Article 15. The Architect will issue Certificates for Payment in accordance with the decision of the Initial Decision Maker.

§ 15.1.5 Claims for Additional Cost

§ 15.1.6 Claims for Additional Time

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§ 15.1.6.1 If the Contractor wishes to make a Claim for an increase in the Contract Time, notice as provided in Section 15.1.3 shall be given. The Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

§ 15.1.6.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated, and had an adverse effect on the scheduled construction.

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§ 15.1.7 Waiver of Claims for Consequential Damages

§ 15.2 Initial Decision

§ 15.2.1 Claims, excluding those where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2 or arising under Sections 10.3, 10.4, and 11.5, shall be referred to the Initial Decision Maker for initial decision. The Architect will serve as the Initial Decision Maker, unless otherwise indicated in the Agreement. Except for those Claims excluded by this Section 15.2.1, an initial decision shall be required as a condition precedent to mediation of any Claim. If an initial decision has not been rendered within 30 days after the Claim has been referred to the Initial Decision Maker, the party asserting the Claim may demand mediation and binding dispute resolution without a decision having been rendered. Unless the Initial Decision Maker and all affected parties agree, the Initial Decision Maker will not decide disputes between the Contractor and persons or entities other than the Owner.

§ 15.2.2 The Initial Decision Maker will review Claims and within ten days of the receipt of a Claim take one or more of the following actions: (1) request additional supporting data from the claimant or a response with supporting data from the other party, (2) reject the Claim in whole or in part, (3) approve the Claim, (4) suggest a compromise, or (5) advise the parties that the Initial Decision Maker is unable to resolve the Claim if the Initial Decision Maker lacks sufficient information to evaluate the merits of the Claim or if the Initial Decision Maker concludes that, in the Initial Decision Maker's sole discretion, it would be inappropriate for the Initial Decision Maker to resolve the Claim.

§ 15.2.3 In evaluating Claims, the Initial Decision Maker may, but shall not be obligated to, consult with or seek information from either party or from persons with special knowledge or expertise who may assist the Initial Decision Maker in rendering a decision. The Initial Decision Maker may request the Owner to authorize retention of such persons at the Owner's expense.

§ 15.2.4 If the Initial Decision Maker requests a party to provide a response to a Claim or to furnish additional supporting data, such party shall respond, within ten days after receipt of the request, and shall either (1) provide a response on the requested supporting data, (2) advise the Initial Decision Maker when the response or supporting data will be furnished, or (3) advise the Initial Decision Maker that no supporting data will be furnished. Upon receipt of the response or supporting data, if any, the Initial Decision Maker will either reject or approve the Claim in whole or in part.

§ 15.2.5 The Initial Decision Maker will render an initial decision approving or rejecting the Claim, or indicating that the Initial Decision Maker is unable to resolve the Claim. This initial decision shall (1) be in writing; (2) state the reasons therefor; and (3) notify the parties and the Architect, if the Architect is not serving as the Initial Decision Maker, of any change in the Contract Sum or Contract Time or both. The initial decision shall be final and binding on the parties but subject to mediation and, if the parties fail to resolve their dispute through mediation, to binding dispute resolution.

§ 15.2.6 Either party may file for mediation of an initial decision at any time, subject to the terms of Section 15.2.6.1.

§ 15.2.6.1 Either party may, within 30 days from the date of receipt of an initial decision, demand in writing that the other party file for mediation. If such a demand is made and the party receiving the demand fails to file for

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mediation within 30 days after receipt thereof, then both parties waive their rights to mediate or pursue binding dispute resolution proceedings with respect to the initial decision.

§ 15.2.7 In the event of a Claim against the Contractor, the Owner may, but is not obligated to, notify the surety, if any, of the nature and amount of the Claim. If the Claim relates to a possibility of a Contractor's default, the Owner may, but is not obligated to, notify the surety and request the surety's assistance in resolving the controversy.

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§ 15.2.8 If a Claim relates to or is the subject of a mechanic's lien, the party asserting such Claim may proceed in accordance with applicable law to comply with the lien notice or filing deadlines.

§ 15.3 Mediation

§ 15.3.1 Claims, disputes, or other matters in controversy arising out of or related to the Contract, except those waived as provided for in Sections 9.10.4, 9.10.5, and 15.1.7, shall be subject to mediation as a condition precedent to binding dispute resolution.

§ 15.3.2 The parties shall endeavor to resolve their Claims by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of binding dispute resolution proceedings but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration is stayed pursuant to this Section 15.3.2, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

§ 15.3.3 Either party may, within 30 days from the date that mediation has been concluded without resolution of the dispute or 60 days after mediation has been demanded without resolution of the dispute, demand in writing that the other party file for binding dispute resolution. If such a demand is made and the party receiving the demand fails to file for binding dispute resolution within 60 days after receipt thereof, then both parties waive their rights to binding dispute resolution proceedings with respect to the initial decision.

§ 15.3.4 The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

§ 15.4 Arbitration

§ 15.4.1 If the parties have selected arbitration as the method for binding dispute resolution in the Agreement, any Claim subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules in effect on the date of the Agreement. The Arbitration shall be conducted in the place where the Project is located, unless another location is mutually agreed upon. A demand for arbitration shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the arbitration. The party filing a notice of demand for arbitration must assert in the demand all Claims then known to that party on which arbitration is permitted to be demanded.

§ 15.4.1.1 A demand for arbitration shall be made no earlier than concurrently with the filing of a request for mediation, but in no event shall it be made after the date when the institution of legal or equitable proceedings based on the Claim would be barred by the applicable statute of limitations. For statute of limitations purposes, receipt of a written demand for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the Claim.

§ 15.4.2 The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in

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accordance with applicable law in any court having jurisdiction thereof.

§ 15.4.3 The foregoing agreement to arbitrate and other agreements to arbitrate with an additional person or entity duly consented to by parties to the Agreement, shall be specifically enforceable under applicable law in any court having jurisdiction thereof.

§ 15.4.4 Consolidation or Joinder

§ 15.4.4.1 Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation, (2) the arbitrations to be consolidated substantially involve common questions of law or fact, and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).

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§ 15.4.4.2 Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration, provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of any claim, dispute or other matter in question not described in the written consent.

§ 15.4.4.3 The Owner and Contractor grant to any person or entity made a party to an arbitration conducted under this Section 15.4, whether by joinder or consolidation, the same rights of joinder and consolidation as those of the Owner and Contractor under this Agreement.

Variable Information

PAGE 1

New Elementary School No. 49

Katy Independent School District

VLK Project No: 24-0102.00

Katy Independent School District

6301 South Stadium Lane

Katy, Texas 77494

VLK Architects, LLC

20445 State Highway 249, Suite 350

Houston, Texas 77070

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I, Charles Johnson, AIA, Principal, hereby certify, to the best of my knowledge, information and belief, that I created the attached final document simultaneously with its associated Additions and Deletions Report and this certification at 15:55:43 CST on 01/05/2026 under Order No. 20250136179 from AIA Contract Documents software and that in preparing the attached final document I made no changes to the original text of AIA® Document A201™ - 2017, General Conditions of the Contract for Construction, other than those additions and deletions shown in the associated Additions and Deletions Report.

_____

(Signed)

_____

(Title)

_____

(Dated)

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Alternates

Division	01
Section	2300

1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1, apply to this Section.
B. Refer to Instructions to Proposers for substitution of materials and products.
C. Addenda issued during the proposal period that affect this section of the specifications.

1.2 WORK INCLUDED

A. It shall be the Owner's option to accept or reject any or all alternates upon completion of bidding.
B. Items listed in this Section are brief descriptions of alternate work indicated on the Proposal Form and in the drawings and specifications.
C. Bidders shall examine the drawings and refer to the various sections of the Specifications in order to determine to what extent the Alternates affect their work.
D. Alternate prices entered on the Proposal Form submitted shall be the entire cost of the Alternate work. All work necessary for a complete and workable installation of all items herein described or reasonably implied shall be included in the pricing of the Alternate. The responsibility of determining quantity of Alternates rests with the Contractor. Base Proposal and Alternates shall include costs of all supporting elements required, so that no matter what combination of Base Proposal and Alternates are accepted, that portion shall be a complete entity in itself. Work for all Alternates shall be in strict accordance with the specification sections noted and applicable to the specific work.
E. The ARCHITECT and their consultants shall not approve substitution of products that deviate from those specified in this document without prior written approval from the OWNER.

2 DESCRIPTION OF ALTERNATES

2.1 ALTERNATE NO. 1 - MASONRY

A. Alternate No. 1A: State in the proposal form the amount to be added to the base proposal for providing products of Upchurch Kimbrough:
   Field Brick (MA-01): Cloud Ceramics. Color: Cherokee. Size: King Size (2-3/4 x 2-5/8 x 9-5/8). Texture: Velour. Type: FBX, ASTM C216
   Accent Brick (MA-02): Cloud Ceramics. Color: Ebony Iron Spot. Size: King Size (2-3/4 x 2-5/8 x 9-5/8). Texture: Velour. T ype: FBX, ASTM C216
   Smooth Stone (MF-01): Arriscraft. Series: Renaissance RS1158. Color: Café. Texture: Smooth. Size: (¾ x 11-5/8 x 23-5/8). Type: ASTM C73
   Chopped Stone (ST-01): Color/Type: UK Quarries Oyster Blend Chopped Ashlar. Size: 3 5/8" thick x 4,6,8" heights x random lengths

B. Alternate No. 1B: State in the proposal form the amount to be added to the base proposal for providing products of Acme Brick:
   Field Brick (MA-01): Acme DTP Special Blend (33% Red Sunset, 33% Cinnamon Brown, 33% Burnt Pumpkin). Size: King Size (2-3/4 x 2-5/8 x 9-5/8), Type: FBX, ASTM C216
   Accent Brick (MA-02): Acme YH Dark Iron Spot. Size: King Size (2-3/4 x 2-5/8 x 9-5/8), Type: FBX, ASTM C216
   Smooth Stone (MF-01): RockCast, Architectural Masonry Veneer. Color: Charlotte Tan. Texture: Smooth. Size: (11-5/8 x 23-5/8).
   Chopped Stone (ST-01): Color/Type: Acme, White Chopped Limestone. Size: 3 5/8" thick x 4,6,8" heights x random lengths

2.2 ALTERNATE NO. 2 - CHILLERS

Alternate No. 2A: State in the proposal form the amount to be added to the base proposal for providing York Centrifugal Liquid Chillers with a 10 year warranty according to Section 23 64 16.
Alternate No. 2B: State in the proposal form the amount to be added to the base proposal for providing Carrier Centrifugal Liquid Chiller with 10 year warranty, according to Section 23 64 16.
Alternate No. 2C: State in the proposal form the amount to be added to the base proposal for providing **Trane** Centrifugal Liquid Chillers with a 10 year warranty according to Section 23 64 16.

2.3 ALTERNATE NO. 3 - AIR HANDLING UNITS

Alternate No. 3A: State in the proposal form the amount to be added to the base proposal for providing York Air Handling Units according to Section 23 73 13.
Alternate No. 3B: State in the proposal form the amount to be added to the base proposal for providing Carrier Air Handling Units according to Section 23 73 13.
Alternate No. 3C: State in the proposal form the amount to be added to the base proposal for providing Temptrol Air Handling Units according to Section 23 73 13.

2.4 ALTERNATE 4 - ACCESS CONTROL **SYSTEM AND INTRUSION SYSTEM**

Alternate No. 4A: State in the proposal form the amount to be added to or deducted from the base proposal for providing Access Control System per Sections 28 13 00 **and 28 16 00**, installed by Transnet Communications LLC.
Alternate No. 4B: State in the proposal form the amount to be added to or deducted from the base proposal for providing Access Control System per Sections 28 13 00 **and 28 16 00**, installed by Fisk Electric.
Alternate No. 4C: State in the proposal form the amount to be added to or deducted from the base proposal for providing Access Control System per Sections 28 13 00 **and 28 16 00**, installed by ACME Electric.

2.5 ALTERNATE 5 - AUTOMATION CONTROL

Alternate No. 5A: State in the proposal form the amount to be added to or deducted from the base proposal for providing Automation Controls manufactured by Climatec.
Alternate No. 5B: State in the proposal form the amount to be added to or deducted from the base proposal for providing Automation Controls manufactured by Unify Energy Solutions.

2.6 ALTERNATE 6 – OPTIONAL ADJUSTMENT TO BASE PROPOSAL

Alternate No. 6: State in the proposal form the amount to be added to or deducted from the base proposal for optional adjustment. ~~[Alternate No. 2]~~

END OF SECTION

SECTION 07 55 52

MODIFIED BITUMEN “COOL ROOF” MEMBRANE ROOFING SYSTEM

PART 1 – GENERAL

1.1 SECTION INCLUDES

A. The installer shall coordinate the work of the entire roofing assembly, including, but not limited to:
1. Tapered edge strips, cant strips, and wood nailers. (Refer to this Section and Section 06 10 00)
2. Curbs, (Refer to Section 07 72 00)
3. Modified bitumen membrane roofing
4. Flashings, including sheet metal perimeter edge (fascia) (Refer this Section and Section 07 62 00)
5. Walkway pads, expansion joints, and other work incidental to, the complete and proper installation of a watertight modified bitumen membrane roofing system as shown on the drawings or specified herein, and in accordance with all applicable requirements of the Contract Documents.

A. It is the intent of this Section that the Work shall:
1. provide a watertight facility;
2. conform to all applicable building code requirements and of authorities having jurisdiction;
3. include Section 07 62 00, Sheet Metal Flashing, Downspouts, Gutters and Trim, and Section 07 72 00, Roof Accessories as part of the Work of this Section; and
4. Provide Owner with a single source full system warranty as specified.

1.2 RELATED WORK

A. Section 03 52 16 - Insulating Concrete Decks

B. Section 06 10 00 - Rough Carpentry

C. All Sections of Work relating to the roofing system, including mechanical, plumbing, and electrical items penetrating the roof system.

1.3 REFERENCES

A. ASTM International (ASTM)
1. C728, Standard Specification for Perlite Thermal Insulation Board
2. C920, Standard Specification for Elastomeric Joint Sealants
3. C1289, Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board
4. D41, Standard Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing
5. D312, Standard Specification for Asphalt Used in Roofing
6. D4479, Standard Specification for Asphalt Roof Coatings - Asbestos-Free
7. D4586, Standard Specification for Asphalt Roof Cement, Asbestos-Free
8. D4897, Standard Specification for Specification for Asphalt-Coated Glass-Fiber Venting Base Sheet Used in Roofing
9. D5147, Standard Specification for Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material
10. D6163, (D5147 & D146) Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements

B. ASCE-7 Wind uplifts requirements for geographical area.

C. Federal Specifications (FS)
   1. TT-S-00230C

D. National Roofing Installers Association (NRCA)
   1. Roofing and Waterproofing Manual - Latest Edition

E. Sheet Metal and Air Conditioning Installers National Association, Inc. (SMACNA)
   1. Architectural Sheet Metal Manual - Latest Edition

F. Underwriters' Laboratories (UL)
   1. Fire Hazard Classifications

G. International Building Code

1.4 SUBMITTALS

A. Product Data: Manufacturer's printed instructions, schedules, charts, literature, and illustrations to indicate the performance, fabrication procedures, product variations, fastener pattern layout, and accessories to be used in the Work.

B. Certifications:
   1. Manufacturer's written certification that installer is approved and licensed to install specified roofing system. (Submit a copy with Proposal Form)
   2. Manufacturer's affidavit that materials used in Project contain no asbestos.
   3. Installer shall submit resume and project experience list for proposed system for Project Manager and job site superintendent.
   4. Installer shall submit written certification that there are no undocumented workers being employed by them or by any subinstaller on this project and that all workers on this project are covered by workmen's compensation.
   5. Installer shall submit list of all subinstallers with evidence of subinstaller's insurance coverage in compliance with contract requirements.
   6. Manufacturer's written certification of approval / acceptance of these specifications and details.

C. Referenced Standards: Two (2) copies of each referenced standard and retain approved copies at site.

D. Project Registration "Pin" with manufacturer proving to architect project has been registered.

E. Shop Drawings: Furnish from copies of the manufacturer's literature or from copies of NRCA "Roofing and Waterproofing Manual," Latest Edition.
   1. Furnish for approval any proposed details which differ from those included with this proposal package. All proposed details shall first be approved in writing by roofing manufacturers prior to submitting to Architect for approval.
   2. Furnish detail project sequencing, staging, material loading, manpower plans, and project construction schedule for approval.

F. Samples:
   1. Furnish copy of sample warranty that is to be issued upon project completion.

G. Temperature Charts: Bitumen heating devices 24-hour temperature charts.

H. Test Reports: Bitumen manufacturer's test reports relative to the following for each batch of bitumen furnished:
   1. Softening Point: ASTM D312.
   2. Flashpoint: ASTM D92.

3. Acceptable Bitumen Temperature: As recommended by the bitumen manufacturer and EVT label on containers.
4. Thermometers: Two (2) handheld, “8F” thermometers complying with ASTM E1 to Architect for his checking kettle temperature.

I. Upon Substantial Completion of Work, submit the following to Architect for his submission to Owner:
1. Manufacturer’s Warranty: Manufacturer’s written warranty as specified.
2. Maintenance Procedures: Three (3) copies of Manufacturer’s printed instructions for Owner’s use regarding care and maintenance of roof.

J. Certificate of Analysis: Provide manufacturer’s printed certificate of analysis for all materials used. Attach copy with final warranty.

1.5 INSPECTIONS / TESTS

A. The Owner’s, Architect’s, and Manufacturer’s representative shall at all times have access to the job site and work areas. The installer will provide proper and safe facilities for such access and inspection.
1. Architect Inspections:
a. The Architect will be providing periodic inspections throughout the duration of the project. Architect's Representative shall be required to inspect after completion of each major phase of construction for approval.
2. Manufacturer Inspections:
a. An inspection shall be made by a representative of the material manufacturer at appropriate intervals during performance of Work to ensure that said project is installed in accordance with the manufacturer's specifications and illustrated details. Written reports by the manufacturer shall be turned over to the Architect, on each Monday following the prior week.
b. The authorized material Manufacturer's field representative shall be responsible for:
1) Keeping the Architect's representative informed after periodic inspections as to the progress and quality of the work observed.
2) Calling to the attention of the installer those matters observed which are considered to be in violation of the contract requirements.
3) Reporting to the Architect's representative, in writing, any failure or refusal of the installer to correct unacceptable practices called to his attention.
4) Confirming, after completion of the work and based on the observation and test, that has observed no application procedures in conflict with these specifications. Final payment will not be released until the Architect has received all specified warranties.

B. Any failure by the Owner’s, Architect’s, or Manufacturer’s Representative to detect, pinpoint, or object to any defect or noncompliance of these specifications of work in progress or completed work shall not relieve the installer, or reduce, or in any way limit, his responsibility of full performance of work required of him under these specifications.

C. Architect may require tests and inspections as necessary to verify quality of roofing materials and workmanship. Laboratory tests will be performed in accordance with ASTM standard procedures.
1. Owner will select testing laboratory and will pay for Work required by testing laboratory.
2. Retests for work which fail initial tests or inspections shall be paid by installer.

1.6 QUALITY ASSURANCE

A. Installer:
1. Installer shall have approval by manufacturer of accepted roofing system for application and issuance of specified warranty for a minimum of three (3) years. Proof of license agreement dated at least three years prior to date of bid opening.
2. Installer shall be an experienced single firm specializing in the type of roofing and sheet metal work specified, with a minimum of five (5) years of previous successful experience on projects similar in size and scope.
3. Installer shall be certified and approved by manufacturer and licensed to install specified roofing system.
4. No subcontracting of sheet metal fabrication or installation will be accepted. Installer must have a sheet metal shop on the company premises.
5. Installers shall have a competent Superintendent, who is not actually performing roofing work, on site at all time while work is in progress, with full authority to act on behalf of the Installer as his agent.
6. All workmen shall be covered by Workmen's Compensation insurance (verify upon request) and thoroughly experienced in the particular class of work upon which employed. Use of undocumented workers will not be tolerated - No Exceptions.
7. Installer shall ensure that base sheet fastener pull out resistance tests on existing decks were performed and approved by Architect and coordinated with Roofing Consultant prior to starting roofing application.
8. Roofing installer must have reached the highest level of qualifications from the Manufacturer they are providing material for (i.e., Master Select installer).

B. Regulatory Requirements:
1. Classification by Underwriters' Laboratories, Inc. as a Class A roof covering.
2. Roofing system shall be installed in accordance with ASCE-7-10 wind uplift requirements for geographical location exposure B, 115 MPH 3-second gust wind speed zone and risk category III based on IBC building code requirements.
    1. Refer to Structural for Component and Cladding Pressures
3. Follow local, state, and federal regulations of safety standards and codes. Refer to applicable building code or International Building Code for roofing system installation requirements and limitations.

C. Laboratory Testing and Samples:
1. Architect may require tests and inspections as necessary to verify quality of roofing materials and workmanship. Laboratory tests will be performed in accordance with ASTM procedures.
2. Owner will select testing laboratory and will pay for Work required by testing laboratory. Installer shall assume all costs for extraction and patch of all samples.
3. Re-tests for work which fail initial tests or installer shall pay inspections.
4. Installer shall correct all deficiencies in accordance with manufacturers recommended procedures at no cost to Owner.

D. Installation:
1. Unless otherwise indicated, the materials to be used in this specification are those specified and denote the type, quality, performance, etc. required. All proposals shall be based upon the use of the specified material.
2. Install materials in accordance with the manufacturer's current published application procedures and the general recommendations of the National Roofing Installer's Association.
3. It will be the installer's responsibility to obtain and/or verify any necessary dimensions by visiting the job site, and the installer shall be responsible for the correctness of it. Any drawings supplied are for reference only.
4. Installer shall plan and conduct the operations of the work so that each section started on one day is complete, details installed and thoroughly protected and in watertight condition before the close of work for that day.

5. Materials will be securely fastened in place in a watertight, neat, and workmanlike manner. All workmen shall be thoroughly experienced in the particular class of work upon which employed. Work shall be performed in accordance with these specifications and shall meet the approval in the field of the Architect.
6. All waste materials, rubbish, etc., shall be removed from the Owner's premises as accumulated. Rubbish shall be carefully handled to reduce the spread of dust and shall be deposited at an approved disposal site. At completion, all work areas shall be left broom clean, and all installers' equipment and materials removed from the site.

1.7 PERFORMANCE REQUIREMENTS

A. Fire Resistance: Meet Underwriter's Laboratory Class "A" fire rating.

B. Installer shall ensure that base sheet fastener pull out resistance tests on new lightweight insulating concrete fill were performed and approved by Architect and coordinated with Roofing Consultant prior to starting roofing application.

1.8 PRE-INSTALLATION CONFERENCE

A. Refer to Section 01 31 13 – Project Coordination.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's original unopened packaging with all tags and labels intact and legible. Carton and can labels shall indicate appropriate warnings, storage conditions, lot numbers, and usage instructions. Handle and store materials and equipment in such a manner as to avoid damage. The proper storage of materials is the sole responsibility of the installer. Materials damaged in shipping or storage shall not be used. Wet or damaged roofing materials shall be discarded, removed from job site, and replaced with new materials prior to application.

B. Manufacturer's packaging and/or roll plastic is not acceptable for exterior storage. Tarpaulin with grommets shall be accepted minimum for exterior coverings. All stored materials, as mentioned above, shall be minimum of four (4) inches off the substrate and the tarpaulin tied off with rope.

C. Products liable to degrade as a result of being frozen shall be maintained above 40° F in heated storage.

D. Moisture sensitive products shall be maintained in dry storage areas or properly covered. Roofing insulation and felts must always be covered or stored in a dry area when not being used.

E. No storage of materials shall be permitted on roof areas other than those materials that are to be installed the same day. Any exception must be in written form. Do not place materials or equipment in such a manner as to overload structure.

1.10 WARRANTY / GUARANTEE

A. Roofing Manufacturer: Warrant the roofing and associated Work for 20 years from date of Substantial Completion as follows:
1. The warranty shall be a NDL "No Dollar Limit" / no penal sum type, with total replacement cost.
2. The warranty shall guarantee the entire roof system and associated work against defective materials and workmanship of installation, with NO exclusion for ponding water.
3. The roof system including roofing insulation, flashing, penetrations, wall flashings, metal work, labor, and material shall be guaranteed against failure of workmanship and materials. Repair of the system, including materials and labor, shall be done at no cost to the Owner.
4. Submit four (4) original executed copies of the Warranty / Guarantee.

B. Roofing Installer: Jointly with any subinstallers employed by him, shall guarantee the work required and performed under this contract will be free from defects in workmanship and materials, and that the building will be and remain waterproof for a five (5) year warranty period, after the Architect accepts the work as substantially complete. The warranty shall be in approved notarized written form, to obligate the Installer, and subinstallers, to make good the requirements of the warranty. The warranty will be held jointly with the Bonding Company for the first two (2) years and the manufacturer for the remaining three (3) years.

C. Make arrangements with the materials manufacturer to provide the required warranty. Final warranty shall be submitted to Owner at time of Substantial Completion.

D. Submit attached Installer's Warranty and Subinstaller's Guarantee forms at Project Closeout.

PART 2 - PRODUCTS

2.1 APPROVED PRODUCTS/MANUFACTURERS

A. Manufacturers whose products meet or exceed the specifications, who have manufactured, and installed roof materials and systems of the type specified for a minimum of ten (10) years, and who maintains a single source responsibility for the total roofing system, as described herein, may apply for approval as a substitution in accordance with Division 1 requirements regarding substitutions.
   1. All materials shall be manufactured, specified, or accepted in writing by membrane manufacturer issuing the warranty. Proposed materials shall ensure full system warranty from said manufacturer. Installer shall be an installer licensed by the manufacturer.
   2. Samples of all materials used on the project, which are not supplied by the membrane manufacturer, shall be submitted to the membrane manufacturer for written approval prior to starting work.
   3. All materials used on the project shall be asbestos free.

B. Approved Manufacturers:
   1. Elevate-Holcim, Nashville, TN; (800) 428-4442
   2. Johns Manville, Denver, CO; (800) 654-3103
   3. Siplast, Inc., Irving, Texas; (972) 869-0070
   4. Soprema, Wadsworth, OH; (800) 356-3521

2.2 ROOF MEMBRANE ASSEMBLY

A. System Description: A roof membrane assembly consisting of a nail Base/Anchor sheet into lightweight concrete followed by two (2) plies of a prefabricated, reinforced, homogeneous polymer modified asphalt membrane, secured to specified insulation or substrate. The assembly shall possess waterproofing capability, such that a phased roof application, with only the modified bitumen mid-ply in place, can be achieved for prolonged periods of time without detriment to the watertight integrity of the entire roof system. Mid-ply is to be installed utilizing hot asphalt and Cap-Ply by utilizing torched application. Provide components for the roof membrane assembly meeting the following physical and mechanical requirements.

   1. Modified Base/Anchor Sheet: A fiberglass reinforced, Styrene-Butadiene-Styrene (SBS) modified asphalt coated sheet, having an average weight of 28 pounds per square.
      a. Approved Product:
         1) Elevate Product: MB Base, base sheet
         2) JM Product: Perma Ply 28, base sheet
         3) Siplast Product: Para Base, base sheet
         4) Soprema Product: Sopra-G, base sheet

2. Hot Applied Modified Bitumen Mid-Ply: Approximately 90 mil high performance modified bitumen mid-ply consisting of a lightweight mat impregnated and coated with high quality modified bitumen and having the following properties:
   a. Approved Products:
      1) Elevate Product: SBS Base
      2) JM Product: DynaBase
      3) Siplast Product: Paradiene 20
      4) Soprema Product: Elastophene Sanded 2.2

3. Torch Applied Modified Bitumen Base Ply: Approximately 120 mil high performance modified bitumen base ply consisting of a lightweight random fibrous glass mat impregnated and coated with high quality modified bitumen and having the following properties:
   a. Approved Products:
      1) Firestone Product: SBS Glass Torch Base
      2) JM Product: DynaWeld Base
      3) Siplast Product: Paradiene 20 TG
      4) Soprema Product: Elastophene Flam

4. Torch Applied Modified Bitumen Cap-Ply: Approximately 155 mil or better high-performance modified bitumen “cool roof” reflective white cap-ply consisting of a lightweight random fibrous glass mat impregnated and coated with high quality Styrene-Butadiene-Styrene (SBS) modified bitumen, and having the following properties:
   a. Approvals: UL Approved, FM Approved (products shall bear seals of approval)
   b. Solar Reflectance (avg.) : greater than 3 year aged .75
   c. Thermal Emittance (avg.): greater than 3 year aged .75.
   d. Solar Reflectance Index (avg.): greater than 3 year aged 64.
   e. Approved Product:
      1) Firestone Product: SBS Glass FR Torch Ultrawhite
      2) JM Product: Dynaweld Cap FR CR
      3) Siplast Product: Paradiene 30 FR TG BW
      4) Soprema Product: Elastophene Flam LS FR GR SG

5. Stripping Ply: Same as roof system mid-ply.

2.3 FLASHING MEMBRANE ASSEMBLY

A. A flashing membrane assembly consisting of two (2) plies of reinforced, polymer modified asphalt membrane.
   1. Modified Bitumen Foil Faced Flashing Sheet:
      a. Approved Product:
         1) Firestone Product: SBS Metal Flash AL
         2) JM Product: DynaClad AL
         3) Siplast Product: “Aluminum” Veral
         4) Soprema Product: Sopralast 50 TV “Alu”

   2. Reinforcing Ply: Same as roof system mid-ply.

2.4 ROUGH CARPENTRY

A. All nailers, cants and wooden curbs shall be No. 2 or better treated lumber selected to meet design details and field dimensions and requirements of Section 06 10 00, Rough Carpentry. MCA and MCQ only.

2.5 ROOFING SHEET METAL

A. Refer to Section 07 62 00, Sheet Metal Flashing and Trim.

2.6 ROOF INSULATION

A. Roofing Insulation:
1. All insulation shall be approved in writing by the membrane manufacturer as to thickness, type, and manufacturer. All insulation must be approved for the specific application with UL and FM Global approval. Refer to Div 3 for EPS in lwic system.

2. Tapered Edge Strip: 1-1/2 inches to 0 inches (or as required, field verify), 18 inches x 48 inches, install at all expansion joints, curbs, projections, crickets, saddles, and base flashings. Approved material shall be as manufactured by Cant Products or pre-approved equal.

2.7 ROOFING ACCESSORIES

A. Roofing Adhesives:
1. Mopping Asphalt: Asphalt that has been certified for full compliance with the requirements for Low Fume Type IV asphalt listed in Table I, ASTM D312. Each container or bulk shipping ticket shall indicate the equiviscous temperature EVT, the finished blowing temperature, FBT, and the flash point, FP.
a. Approved Product: Valero Low Fume asphalt or as required by membrane.

B. Bituminous Cutback Materials:
1. Primer: A high flash, quick drying, asphalt solvent blend which meets or exceeds ASTM D41 requirements.
2. Plastic Cement: An asphalt cutback mastic, reinforced with non-asbestos fibers, used as a base for setting metal flanges and conforming to ASTM D4586 Type II requirements.
3. Flashing Cement: A heavy-bodied all-weather trowel grade mastic, used as a base for laying-up cold process flashing membrane where fast setting adhesives are required.

C. Caulking and Sealants:
1. VOC Content: Provide sealants and sealant primers for use inside the weatherproofing system that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
a. Nonmembrane Roof Sealants: 300 g/L; single component, high performance, elastomeric sealants conforming to ASTM C920 requirements.
b. Modified Bituminous Sealants: 500 g/L
c. Other sealants: 420 g/L

D. Ceramic Granules: No. 11 Grade Specification Ceramic granules of color scheme matching the granule surfacing of the cap-ply.

E. Walkway Pads: A prefabricated, puncture resistant polyester core reinforced, polymer modified bitumen sheet material topped with a ceramic-coated granule wearing surface meeting the following physical and mechanical requirements:
1. Thickness: 0.217 inch
2. Weight: 1.8 lb./ft^2
3. Width: 30 inches
4. Walk pads shall have contrasting granule color from surfacing.

F. Fasteners:
1. Shall be Factory Mutual approved and as recommended by the manufacturer for the specific application.
2. Fastener for Brick: Shall be 1/4-inch x 2 inches, stainless steel nail, one piece unit, flat head, as manufactured by Rawl Zamac Nailin, or approved equal.
3. Fastener into wood: Shall be a minimum #14 Factory Mutual approved fastener, fluorocarbon coated, with CR-10 coating. A minimum 0.200-inch diameter shank and 0.250-inch diameter thread. To be used with Factory Mutual approved, round pressure plates or bar, and having a fluorocarbon CR-10 coating, when subjected to 30 Kesternich cycles (DIN 50018) shows less than ten percent (15%) red rust which surpasses Factory Mutual Approval Standard 4470 as manufactured by Olympic Manufacturing Group, Inc., or pre-approved equal. Stainless Steel 304 when used with ACQ treated lumber.
4. Lightweight Insulating Concrete Base Sheet Fasteners: Shall be approved by the fastener manufacturer, membrane manufacturer and FM for use with lightweight insulating concrete as follows:
   a. Fastener shall be a single unit, precision formed, of electro zinc coated steel having a 2.7-inch diameter rib reinforced cap and 1.7-inch-long rectangular legs, designed to expand when fully driven into the lightweight insulating concrete. Fasteners for lightweight insulating concrete shall meet FM Standard 4470 requirements for corrosion resistance.
5. Nails: Stainless Steel ring shank, size as required to suite application, minimum 11 gauge with 3/8-inch diameter head.

G. Liquid Flashings: One-Part Liquid Flashing is a one-component polyurethane / bitumen resin that provides a liquid flashing solution for asphaltic roofing systems. Utilize fabric in three-part system at all penetrations.

2.8 MISCELLANEOUS MATERIALS AND ACCESSORIES

A. Other materials shall be as shown, specified, or required and be of the best grade for the proposed use as recommended by the manufacturer.
1. Expansion Joint: As detailed on drawings and outlined in NRCA and SMACNA manuals.
2. Low Level expansion joints, as noted on the drawings, to be fabricated similar to Situra Inc. “Red Line” Low level expansion joint details. Install as per manufacturer’s recommendations.
3. Sealant Backer Rod: Provide compressible rod stack of polyethylene foam, polyurethane foam, polyethylene jacketed polyurethane foam, butyl rubber foam, neoprene foam or other flexible, permanent, durable, non-absorptive material as recommended by sealant manufacturer for back-up of and compatibility with sealant. When used with hot-applied sealant, provide heat-resistant type which will not be deteriorated by sealant application temperature as indicated.
4. Pipe Hangers and Supports: Provide and install all necessary supports for gas lines, conduit, chilled water lines, duct work, condensate lines, etc. Refer to Section 07 72 00, Roof Accessories.
5. Cant Strips: Shall be wood fiber where used for non-structural purposes. Shall be treated solid wood where used for structural purposes meeting NRCA, Factory Mutual and Underwriters Laboratory guidelines. If solid wood cant is used where insulation exists, cant is to be toe nailed into treated solid wood nailer the same height as insulation.
6. Termination Bar:
   a. Material: Extruded aluminum bar with lip profile.
   b. Size: 0.090 inch thick by 3/4 inch wide with 3/16-inch lip width and a 45-degree lip angle, factory punched 1/4-inch x 3/8-inch oval holes spaced six (6) inches on center.

c. Approved Product/Manufacturer: Private Label version of “LIPTB 06” manufactured by Olympic Manufacturing Group, Inc., or approved equal.

PART 3 - EXECUTION

3.1 SITE CONDITIONS

A. Environmental Requirements:
1. Apply roofing in dry weather.
2. Do not apply roofing when ambient temperature is below 45 degrees F.
3. Refer to manufacturer’s recommendations.

3.2 ROOFING AND FLASHING - GENERAL

A. Membrane Application: Install roofing in accordance with roofing system manufacturer's current published instructions and the following requirements. Application of roofing membrane components shall immediately follow installation of insulation as a continuous operation.

B. Aesthetic Considerations: An aesthetically pleasing overall appearance of the finished roof application is a standard requirement for this Project. Make necessary preparations, utilize recommended application techniques, apply the specified materials, and exercise care in ensuring that the finished application is acceptable to the Owner.

C. Application of materials shall be in strict accordance with the manufacturer's recommendations except where more stringent requirements are shown or specified. In the instance of a conflict between these specifications and those of the manufacturer, the more stringent specifications shall take precedence.

D. General Installation:
1. Protect adjacent areas with tarpaulin or other durable materials.
2. Contractor shall prevent overspray and be responsible for parking lot areas and/or adjoining areas not part of this contract.
3. Contractor shall be responsible for sealing, as required, all openings that may allow bitumen migration or drippage, i.e., pitch dams, envelopes, and filler strips.
4. Prepare surfaces according to manufacturer's or applicator's published instructions. All metal that is to receive bitumen, or come in contact with bitumen or adhesive, shall be first primed with appropriate primer. All Kynar 500 or Hylar 5000 finished metal shall be buff sanded on the surface which is to be primed prior to the application.
5. Use cleaning materials or primers necessary to render an acceptable surface/substrate.
6. All surfaces/substrates shall be clean and dry prior to application of materials. Roof deck substrates shall be inspected for moisture in accordance with the manufacturer’s recommendations. Architect’s representative shall witness inspection. Roofing installed before inspection by Architect’s representative shall be removed to allow inspection.
7. Prior to application of felts and membrane, all foreign matter, gravel, etc., shall be removed from the substrate. Gravel or debris between the substrate and plies is not acceptable.
8. Ambient temperature shall be 45 degrees F and rising.
9. Bitumen kettles or tankers shall have a visible thermometer and thermostatic control to provide positive monitoring of the bitumen temperature when it is heated in accordance with manufacturer's instructions. Kettle shall be kept a minimum of 20 feet away from building, placed so that fumes, odors, and smoke, do not enter building through windows, doors, fresh air vents or similar entrances; are not directed towards freshly painted or anodized surfaces, glass, or other glazing materials. Do not place kettle under trees or near vegetation. The assigned kettle man shall remain in close attendance, within 25 feet of ground level, while burners are lit. Kettle lids are to remain closed except for loading. Level of bitumen shall be kept within eight (8) inches from top of kettle. All kettles are to have afterburners installed to reduce fume emissions.

10. Asphalt Bitumen Heating: Heat and apply bitumen in accordance with equiviscous temperature method ("EVT Method") as recommended by the manufacturer. Discard bitumen that has been held at temperature, exceeding finished blowing temperature (FBT) for a period exceeding three hours. Do NOT heat bitumen to a temperature higher than 25 degrees F (14 degrees C) below flash point.
11. Asphalt Temperatures: If the EVT information is not provided, the following asphalt temperature shall be observed. Maximum heating temperature shall be 525 degrees F. Minimum application temperature shall be 400 degrees F.
12. Asphalt Moppings: Ensure that all moppings do not exceed a maximum of 25 pounds per square. Mopping shall be total in coverage, leaving no breaks or voids.
13. Bitumen Consistency: Cutting or alterations of bitumen, primer, and sealants will not be permitted.
14. Circulate bituminous materials, do not allow bituminous materials to stand in luggers for long periods. Use insulated hot transport lines and luggers.
15. Keep kettle lid closed except when adding bitumen.
16. Wrinkles, buckles, kinks, and fishmouths are not acceptable when laying felt and membrane.
17. Dry voids of felt on felt are not acceptable.
18. Primed cant strips shall be installed at the intersection of the deck and the vertical surfaces.
19. All flashings shall be mechanically top-fastened with a termination bar a minimum of six (6) inches on center at the top leading edge and be a minimum of eight (8) inches in height above the finished membrane height.
20. On slopes greater than one (1) inch in 12 inches, refer to NRCA and/or manufacturer's guidelines for backnailing procedures and follow the more stringent guidelines for all specified materials.
21. Correct all errors in application the same workday they occur, including voids, fishmouths, dry laps or spots, wrinkles, ridges, blisters, bare spots, improper application, physical damage, and all work not meeting specifications.
22. Follow manufacturer’s recommendation for application of cold adhesive due to slope requirements.

3.3 NAILERS (MCQ and MCA only)

A. Wooden nailers shall be installed at perimeter edges or drip edges on outside perimeter of building in accordance with FM Global 1-49 securement requirements. All deck penetrations (soil stacks, mechanical curbs, etc.) shall receive wooden nailers stacked minimum 3/4 inch above designed deck thickness.

B. All Construction: Nailers shall be the same height as the finished height of the insulation layer. Nailers shall be anchored to resist a pull-out force of 175 pounds per foot. Fasteners shall be no less than two (2) per nailer and be spaced at three (3) feet on center maximum or as required by FM Global 1-49 requirements. Provide nailers at all penetrations. Install/Raise all curbs, etc, a minimum of ten (10) inches above roof deck.

3.4 SUBSTRATE PREPARATION

A. At Lightweight Insulating Concrete Deck Systems: Nailable fills shall receive base/anchor sheet properly fastened with suitable FM approved fasteners and installed in accordance with ASCE 7 wind uplift pressure calculations.
   1. Damaged lightweight fill decks shall be removed back to solid material. Fill holes, bird baths, etc., in deck using Zonopatch as manufactured by Siplast; or equal by approved manufacturer.

B. Substrate Surface: Prepare substrate surfaces to insure proper and adequate installation, in strict accordance with the Contract Documents and approved Shop Drawings, or manufacturer's requirements.

C. Fill all gaps and voids between substrate components that are wider than 1/4 inch. Fill all gaps with same materials as the substrate.

D. The membrane manufacturer shall specify types of substrates that are suitable for use with the bonding adhesive.

E. Protection of Adjacent Areas or Surfaces: Protect adjacent areas or surfaces from damage as a result of the Work of this section. Remove sharp projections.

F. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.

G. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of the roofing system at the end of the workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.

3.5 APPLICATION OF BASE/ANCHOR SHEET AT LIGHTWEIGHT CONCRETE DECK

A. Lightweight concrete deck shall be covered with a base/anchor sheet, mechanically fastened as follows:
1. Install in accordance with manufacturer's current published application instructions and to meet ASCE-7 wind uplift requirements. Fasteners and fastening patterns shall be determined by building height, pull out values from lightweight insulating concrete decks (more stringent applies), location and geographical area of the United States. It is the contractor's responsibility to consult current ASCE-7 publications, literature, and bulletins that are in effect at the time of this project. Submit perimeter, field and corner fastening patterns and cite all ASCE-7 data pertaining to the fastening pattern to the Architect for review.

3.6 ROOF MEMBRANE INSTALLATION

A. Membrane Application: Install roofing in accordance with roofing system manufacturer's current published instructions and the following requirements. Application of roofing membrane components shall immediately follow application of insulation as a continuous operation.

B. Aesthetic Considerations: An aesthetically pleasing overall appearance of the finished roof application is a standard requirement for this Project. Make necessary preparations, utilize recommended application techniques, apply the specified materials (i.e., granules, metallic powder, etc.) and exercise care in ensuring that the finished application is acceptable to the Owner.

C. Bitumen Consistency: Cutting or alterations of bitumen, primer, and sealants will not be permitted.

D. Roofing Application: Apply all layers of roofing free of wrinkles, creases or fishmouths. Exert sufficient pressure on the roll during application to ensure prevention of air pockets. Lap seams between the mid-ply layer and the cap-ply layer shall not coincide. Stagger the courses to ensure this.
1. Apply all layers of roofing so that water flows over or along lap seams, but never against laps.
2. Mechanically attached the base/anchor sheet to the lightweight concrete per manufacturers fastening pattern. Each sheet shall have minimum three (3) inch side laps and six (6) inch end laps.
3. Fully bond the mid-ply to base/anchor sheet with hot asphalt or with torch application. Each sheet shall have minimum three (3) inch side laps and six (6) inch end laps. Each sheet shall be applied directly behind the hot asphalt/torch applicator. Stagger end laps a minimum of three (3) feet.
4. Fully bond the cap-ply to the mid-ply with torch. Each sheet shall have a minimum of three (3) inch side and six (6) end laps. Each sheet shall be applied directly behind the torch applicator. Stagger end laps of the cap-ply a minimum of three (3) feet. Stagger side laps of the cap-ply a minimum of 12 inches from side laps in the underlying mid-ply. Stagger end laps of the cap-ply a minimum of three (3) feet from end laps in the underlying mid-ply.

5. Maximum sheet lengths and special fastening of the specified roof membrane system may be required at various slope increments where the roof deck slope exceeds 1/2 inch per foot. The manufacturer shall provide acceptable sheet lengths and the required fastening schedule for all roofing sheet applications to applicable roof slopes.
6. Lap Treatment: A 20-pound roller shall be used on all side and end laps, following immediately behind application, apply uniform pressure across lap area to achieve a continuous visible bleed out.

E. Granule Embedment: Broadcast mineral granules over all bitumen overruns on the cap-ply surface, while the bitumen is still hot, to ensure a monolithic color and adhesion.

3.7 ROOF FLASHING MEMBRANE INSTALLATION

A. Flashing - General:
1. Flashings shall be installed using the manufacturer's flashing membrane, with length of run not to exceed manufacturer's recommendations.
2. Wooden nailers or curbs shall be installed at all edges and openings in the roof, mechanically fastened to the deck. The nailers should be of exterior grade wolmanized timber, and of the same thickness as any insulation to be used on the roof.
3. Cant strips shall be installed at the intersection of the deck and/or all vertical surfaces. Prime all cants.
4. The roofing field membrane shall extend up over and to the top of cant strips at all vertical intersections or out to the roof's edge.
5. All substrates receiving flashing membrane shall be clean and primed with asphalt primer, prior to application.
6. All flashings shall be mechanically fastened with a termination bar a maximum of six (6) inches on center, be a minimum of eight (8) inches above finished roof height (seal top with three (3) coursing), extend a minimum of nine (9) inches onto the field of horizontal roof membrane, and not exceed ten (10) linear feet of run-in length.
7. Install flashing membrane in accordance with drawings and/or material manufacturer's guarantee requirements, whichever is the most stringent.
8. Exert sufficient pressure on the flashing membrane to ensure the prevention of air pockets. This can be accomplished by using a damp, kitchen type sponge mop or a damp, heavy duty cotton nap paint roller.
9. Prime all end laps of the flashing membrane with a uniform coating of the specified asphalt primer and allow to thoroughly dry prior to overlapping of adjoining sheets.
10. Probe laps using a clean, heated roofing trowel and heat fuse dry laps of the flashing membrane to ensure a complete seal.

B. Flashing Application - Masonry Surfaces: Flash masonry parapet walls and curbs using the using the reinforcing sheet and the metal foil flashing membrane. After the mid-ply has been applied to the top of the cant, fully adhere the reinforcing sheet, utilizing minimum three (3) inch side laps and extend a minimum of three (3) inches onto the mid-ply surface and three (3) inches up the parapet wall above the cant. After the final roofing ply has been applied to the top of the cant, prepare the surface area that is to receive flashing coverage by torch heating granular surfaces or by application of asphalt primer; allowing primer to dry thoroughly. Torch apply the metal foil-faced flashing into place using three (3) foot widths (cut off the end of roll) always lapping the factory selvage edge. Stagger the laps of the metal foil flashing layer from lap seams in the reinforcing layer. Extend the flashing sheet a minimum of four (4) inches beyond the toe of the cant onto the prepared surface of the finished roof and up the wall to the desired flashing height. Exert pressure on the flashing sheet during application to ensure complete contact with the wall/roof surfaces, preventing air pockets; this can be accomplished by using a damp sponge or shop rag. Check and seal all loose laps and edges. Nail the top edge of the flashing on nine (9) inch centers. (See manufacturer's schematic for visual interpretation.)

C. Flashing Application - Wood Surfaces: Flash wood or plywood parapet walls and curbs using the reinforcing sheet and metal foil flashing membrane. The reinforcing sheet shall have minimum three (3) inch side laps and extend a minimum of three (3) inches onto the mid-ply surface and to the top of the parapet wall, curb, etc. Nail the reinforcing sheet through the field of the sheet to the vertical wood surface on 12-inch centers from the top of the cant to top of wall curb, etc. Fully adhere the remainder of flashing reinforcing sheet that extends over the cant and roof level. After the cap-ply has been applied to the top of the cant, prepare the surface area that is to receive flashing coverage by torch heating granular surfaces or application of asphalt primer; allowing primer to dry thoroughly. Torch apply the metal foil-faced flashing into place using three (3) foot widths (cut off the end of roll) always lapping the factory selvage edge. Extend the flashing sheet a minimum of four (4) inches beyond the toe of the cant onto the prepared surface of the finished roof and up the wall to the desired flashing height. Exert pressure on the flashing sheet during application to ensure complete contact with the wall/roof surfaces, preventing air pockets; this can be accomplished by using a damp sponge or shop rag. Check and seal all loose laps and edges. Nail the top edge of the flashing on nine (9) inch centers. (See manufacturer's schematic for visual interpretation.)

D. Projection Flashings: Provide liquid flashings at all penetrations per roofing manufacturers recommendations to achieve listed warranty.

E. Wall and Curb Flashings:
1. The flashing substrate shall be free of all dirt and loose material.
2. ¾” plywood is to be used at all parapets that receive wall flashings.
3. The underlayment ply or plies shall be brought to the top of the cant strip and adhered.
4. Starting on the roof at least six (6) inches from the roofside edge of the cant strip, adhere two (2) plies of flashing extending over the cant and up the vertical a minimum of eight (8) inches. Each lap of the ply sheet shall be a minimum of three (3) inches.
5. Starting two (2) inches past the flashing plies, install one (1) ply of SBS flashing membrane in hot asphalt or with torch. Laps shall not coincide with previously installed plies. The top of the SBS flashing shall be one (1) inch past the previously installed plies above the cant strip.
6. Fasten the top edge of the flashings on six (6) inch centers using approved termination bar and fasteners.
7. An NRCA-approved metal counterflashing shall extend down over the flashing a minimum of four (4) inches.
8. Cricket the up-side slope at all curb projections.

F. Walkway Pads:
1. Provide walk pads shall be installed at point of roof access, at service points of all roof mounted equipment requiring periodic maintenance.
2. Protection pads shall have rounded corners and extend minimum four (4) inches beyond edge of overlying element.
3. Provide new protection pads under all pipe supports, at HVAC and mechanical access points, in front of all roof top doors and openings.

G. Perimeter Edge Flashing: Refer to Section 07 62 00.

H. Bleed out of flashing membrane: Broadcast bulk aluminum powder over all bitumen overruns on the flashing membrane surface while the bitumen is still hot to ensure a monolithic surface color. With approval of manufacturer, a premium glossy aluminum paint may be used.

3.8 OVERNIGHT SEAL / WATER CUT-OFF

A. Over Night Seal: Shall be performed according to accepted roofing practice as outlined in the NRCA Roofing Manual.

B. Water Cut-Off: At the end of day's work or when precipitation is imminent, construct a water cut-off at all open edges. Cut-offs can be built using asphalt or plastic cement and roofing felts, constructed to withstand protracted periods of service. Cut-offs must be completely removed prior to resumption of roofing.

3.9 ROOF SYSTEM INTERFACE WITH RELATED COMPONENTS

A. The following is a list of descriptions for correct installation of components integrated into the roof membrane assembly. In all cases, unless otherwise approved, incorporate flanged components into the system between the application of the mid-ply and cap-ply. The flange must be primed with a uniform coating of approved ASTM D41 asphalt primer and allowed to dry thoroughly; all flanges must be set in approved mastic.

B. Sealant: Caulk all exposed cap-ply edges at gravel stops, waste stacks, pitch pans, vent stacks, etc., with a smooth continuous bead of approved sealant or per manufacturers requirements.

C. Sheet Metal: Refer to Section 07 62 00, ROOF RELATED SHEET METAL.

3.10 FIELD QUALITY CONTROL AND INSPECTIONS

A. Roof cuts shall be performed and repaired at contractor's expense. Cuts shall be made in the areas as indicated by the Architect's representative. Send required roof cuts to roof membrane manufacturer for laboratory examination. Roof cuts required by the Architect's representative shall be furnished to the Architect's representative for testing.

B. Remove not more than one (1) 12-inch x 12 inch cut per 5,000 square feet of roof area or fraction thereof.

C. Field audit will follow criteria outlined in current roof membrane manufacturer's Reference Manual.

D. Repair sampled areas with "feathered in" patch consisting of same number of plies as in the roof specification.

E. Correct deficiencies in roof as prescribed in current roof membrane manufacturer's Reference Manual and as approved by Architect's Representative.

3.11 CLEANING AND PROTECTION

A. Contractor shall keep the job clean and free from all loose materials and foreign matter. Contractor shall take necessary precautions to keep outside walls clean and shall allow no roofing materials to remain on the outside walls.

B. Leave all areas around job site free of trash, debris, roofing materials, equipment, and related items after completion of job.

C. All bituminous or roofing related materials shall be removed from ladders, stairs, railings, and similar parts of the building.

D. Remove bitumen stains from walls, walkways, and driveways.

END OF SECTION

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SECTION 10 73 26

PREFABRICATED WALKWAY COVERS

1.1 SUMMARY

A. Section includes: Prefabricated walkway canopies and wall-mounted suspended canopies.
   1. Prefabricated walkway canopies and wall-mounted suspended canopies.
   2. Interior screen canopies.

B. Related Requirements:
   1. Section 03 30 00 - Cast-in-place Concrete.
   2. Section 07 92 00 - Joint Sealants.

1.2 SUBMITTALS

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

B. Shop Drawings: Include drawings showing small scale layouts of prefabricated walkway canopies and large-scale details of edge conditions, joints, expansion joints, anchorages, trim, closures, and special details.

C. Samples: Submit two 12" square samples of finished metal panels.

D. Certification: Submit design calculations sealed and signed by an engineer registered in the State of Texas. Design calculations shall state that the protective cover system design complies with the wind requirements of all governing jurisdictions, the stability criteria of applicable building code, and all other governing criteria.
   1. At all freestanding, column-supported walkway covers and canopies, the footings shall be designed by the manufacturer and constructed by General Contractor, unless detailed otherwise. Concrete footings are required to be provided for all column-supported walkway covers and canopies whether indicated on the drawings or not. Submittals shall include sealed calcs and shop drawings for footings.
   2. At all building-connected, column-supported walkway covers and canopies, the footings shall be designed by the Architect’s structural engineer and constructed by General Contractor, unless detailed otherwise.

1.3 QUALITY ASSURANCE

A. Wind Loading: Fabricate and install prefabricated walkway canopies and other components of system to comply with code requirements for resisting wind effects based on **a** 120 mph wind.

B. Installer Qualifications: Engage an experienced installer who is an authorized representative of the canopy manufacturer and has completed installation of canopies similar in material, design, and extent to canopy required for this project.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. Provide prefabricated walkway canopies as manufactured by one of the following:
   1. American Walkway Covers, LLC
   2. AVAdek
   3. Dittmer Architectural Aluminum
   4. Mapes Industries, Inc.
   5. Perfection Architectural Systems, Inc.
   6. Peachtree Protective Systems, Inc.
   7. Superior Metal Products, Inc.
   8. Texas Aluminum Industries, Inc.
   9. Canopy Solutions
   10. Aluminum Techniques, Inc..”

2.2 MATERIALS

A. Aluminum Sheets: Extruded aluminum sections, Alloy 6063, T6 temper.

B. Structural Supports: Extruded aluminum sections, Alloy 6063, T6 temper.

C. Fasteners: Manufacturer's standard non-corrosive types, with heads gasketed.

D. Accessories: Provide components required for a complete prefabricated walkway canopy system, including fascia, trim, closures panels matching deck profile at all open canopy flutes over structure and other canopy components, clips, fillers, and similar items. Match materials and finishes of prefabricated walkway canopy framing.

E. Finish and color selection of each component shall be chosen from the manufacturer’s color selections and shall include:
   1. Exterior Covers
      a. All components shall be hard coat Clear anodized finish (minimum thickness of 0.7 mils) to match Aluminum Entrances and Storefronts.
   2. Interior Screen Canopy:
      a. Polyester Baked Enamel. Color as selected by Architect.

2.3 FABRICATION

A. General: Fabricate and finish canopies and accessories at the factory to greatest extent possible, by manufacturer's standard procedures and processes. Comply with indicated profiles and dimensional requirements. Internal gutters shall connect to weep system.

B. Wall-mounted Suspended Canopies:
   1. Hanger Rods: Round aluminum rods with baked enamel finish.
   2. Gutter shall scupper out at each end.

PART 3 - EXECUTION

3.1 INSPECTION

A. Examine surfaces to receive prefabricated walkway canopies for conditions that will adversely affect the execution and quality of work. Do not start this work until unsatisfactory conditions are corrected.

3.2 INSTALLATION

A. General: Comply with canopy fabricator's and material manufacturer's instructions and recommendations for installation, as applicable to project conditions and supporting substrates. Anchor supports and other components of the work securely in place, with provisions for thermal and structural movement. Install expansion joints to provide for thermal and structural movement.

3.3 CLEANING AND PROTECTION

A. Damaged Units: Replace canopies and other components of the work which have been damaged or have deteriorated beyond successful repair by means of finish touch-up or similar minor repair procedures.

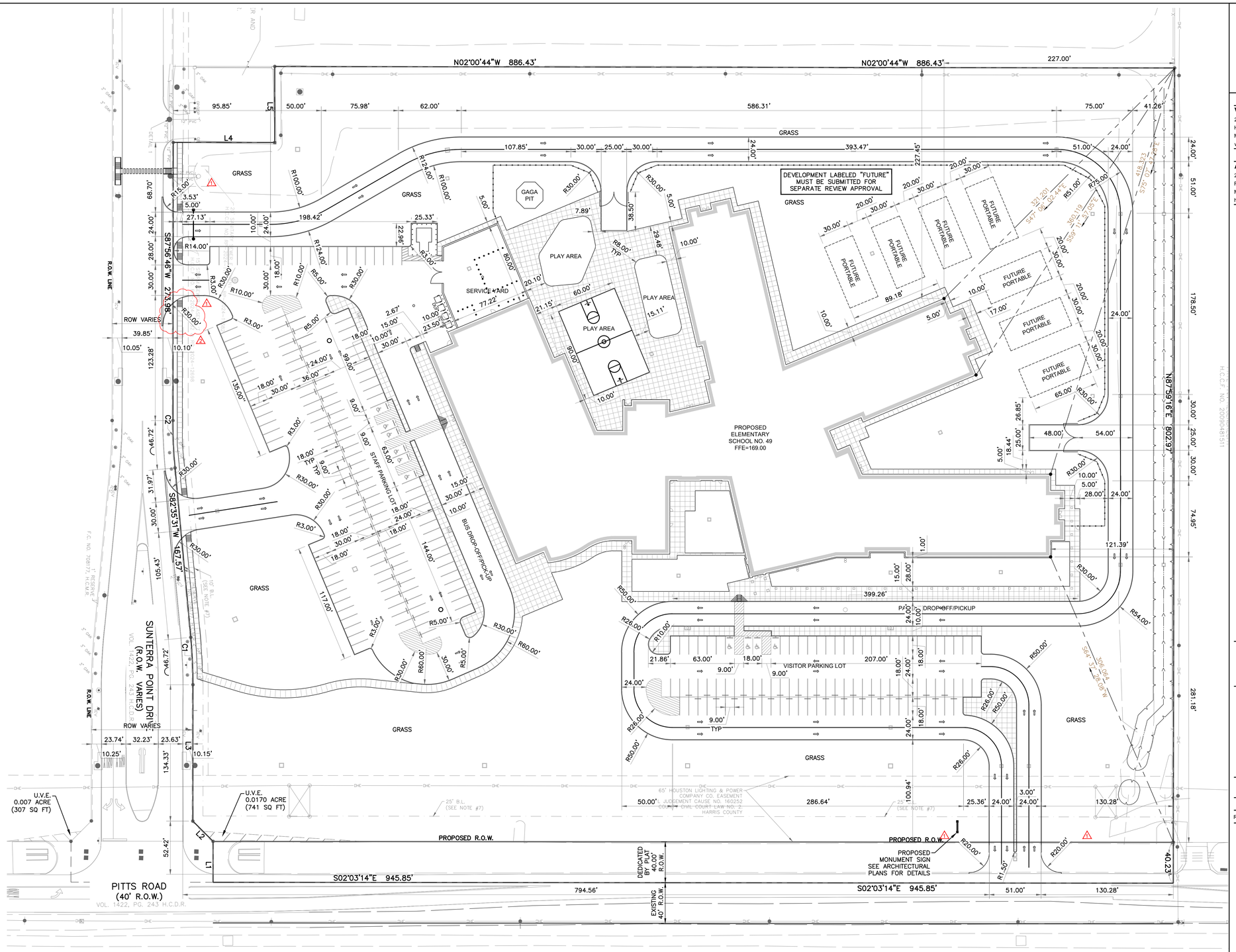
B. Cleaning: Upon completion of canopy installation, clean finished surfaces as recommended by canopy manufacturer, and maintain in a clean condition during construction.

END OF SECTION

N

0 40 80

SCALE:1"=40'-0"



SITE PLAN NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
3. ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
4. ALL ISLANDS WITH CURB SHALL BE LANDSCAPED PER LANDSCAPE PLAN.
5. NOT ALL DIMENSIONS ARE SHOWN ON THIS PLAN, SEE ARCHITECTURAL SITE PLAN FOR DETAILED DIMENSIONS.
6. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH COVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
8. REFER TO TOPOGRAPHICAL SURVEY ON SHEET C2 FOR EXISTING CONDITIONS, REFER TO PLAT FOR PROPERTY BOUNDARIES.
9. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE STANDARD SITE WORK SPECIFICATION.

VLK

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ADICO, LLC
TBPE FIRM NO. F-16423

KATY ISD
KATY, TEXAS

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
2 ADDENDUM 2	12-18-25
4 ADDENDUM 4	01-15-26

Principal DINH H.
Proj. Eng. PHASITH N.

PROJECT NO.
24-102.00

SHEET TITLE
SITE DIMENSION PLAN

SHEET NO.
C03.00

New Elementary No. 49

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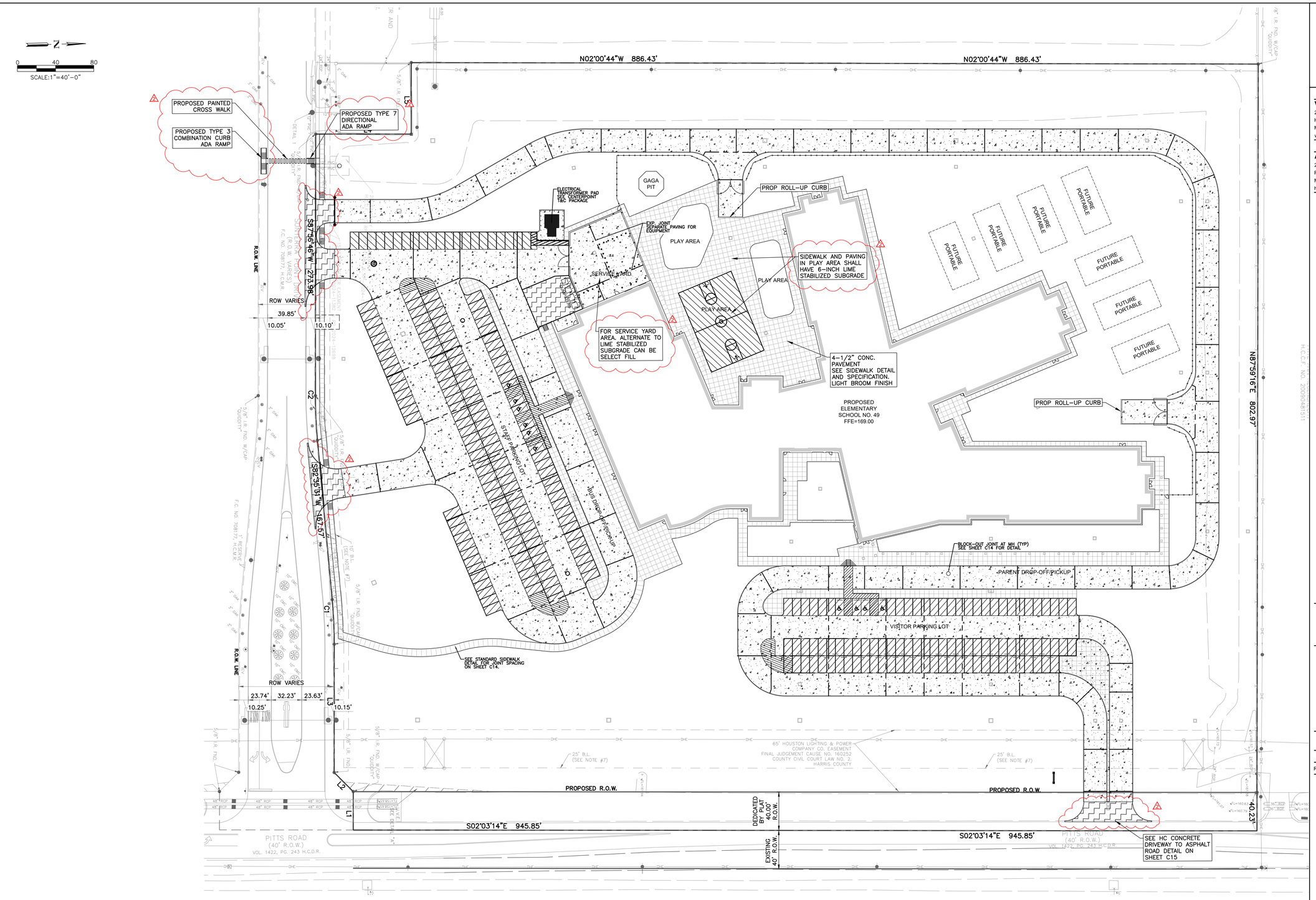

LEGEND

- PROPOSED 4.5"-INCH THICK CONCRETE PAVING W/ #3 REBAR @ 18" OC EA WAY
- PROPOSED 5"-INCH THICK CONCRETE PAVING W/ #3 REBAR @ 18" OC EA WAY
- PROPOSED 6"-INCH THICK CONCRETE PAVING W/ #3 REBAR @ 18" OC EA WAY
- PROPOSED 7"-INCH THICK CONCRETE PAVING W/ #3 REBAR @ 16" OC EA WAY
- EJ — EXPANSION JOINT

NOTE:
CONTROL JOINT OR SAW JOINT NOT SHOWN. SEE TYPICAL PAVING DETAIL SHEET C14.00 FOR DETAILS

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STATE OF TEXAS — NANTHAWONG NAWSY — 99284 — LICENSED PROFESSIONAL ENGINEER
01-15-2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 ADDENDUM 2	12-18-25
2 ADDENDUM 4	01-15-26

Principal DINH H.
Proj. Eng. PHASITH N.

PROJECT NO.
24-102.00

SHEET TITLE
PAVING PLAN

SHEET NO.
C09.00

New Elementary No. 49

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DOOR	DOOR TYPE	GATE OPENING WIDTH	GATE OPENING HEIGHT	HDWR SET	KEYED NOTES	ELEVATION REF
S1	G1	4'-0"	7'-0"	J705	PANIC BAR	14/A1.31
S2	G2	28'-0"	6'-0"	J-2PL	DOUBLE CHAIN LINK	11/A1.32
S3	G2	28'-0"	6'-0"	J-2PL	DOUBLE CHAIN LINK	11/A1.32
S4	G1	4'-0"	7'-0"	J705	PANIC BAR	14/A1.31
S5	G3	22'-0"	8'-0"	J-2PL	METAL GATE	3/A1.31
S6	G1	4'-0"	7'-0"	J705	PANIC BAR	9/A1.32
S7	G3	8'-0"	6'-0"	J-2PL	METAL GATE	3/A1.31 SIM
S8	G4	28'-0"	3'-0"	J-2PL	SWING GATE	15/A1.31

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. Refer to L1.01 for Landscape Plan and Requirements
4. GC to coordinate location of Mock-Up wall on site with architect and owner. Ref detail 6/A3.04

SITE PLAN LEGEND

- FIRE LANE (PER CITY STANDARDS)
- CHAIN LINK FENCE, 6FT HEIGHT WITH 1" MESH
- ORNAMENTAL FENCE, 6FT HEIGHT
- 200 FT HOSE LAY

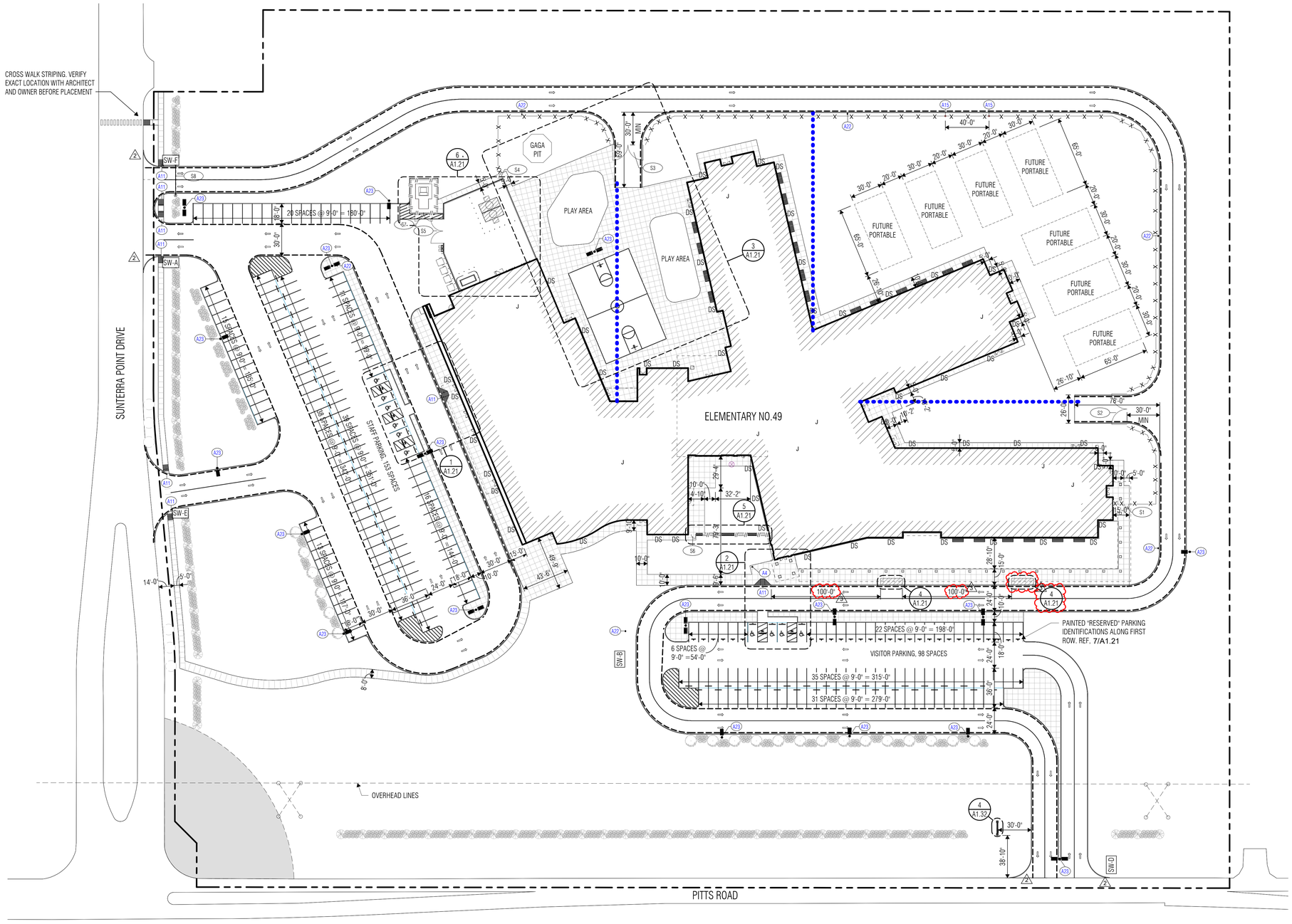
PARKING COUNT

	# OF SPACES	HC PARKING REQUIRED	
		MINIMUM	PROVIDED
STAFF LOT	153	151 TO 200 = 6	6
VISITOR LOT	98	76 TO 100 = 4	4

STACKING COUNT

	LINEAR FOOT	SPACES - DOUBLE STACKED (LINEAR FOOT / 22 FT*2)
PROPOSED	1591	144

KEYED NOTE LEGEND	
A4	Flag Pole
A11	Accessible ramp, 1:12 slope max.
A15	Removable Sleeve Posts at Chain link Fence, 40' Width, Paint Yellow
A22	Fire Hydrant Location, Ref. Civil
A23	Light Pole Location, Ref. MEP



1 OVERALL SITE PLAN
SCALE: 1" = 40'-0"

TRUE NORTH

VLK

ARCHITECT

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KATY ISD
KATY, TEXAS

REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 01	12/12/2025
2 Addendum 02	12/18/2025
3 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
OVERALL SITE PLAN

SHEET NO.
A1.11

New Elementary No. 49

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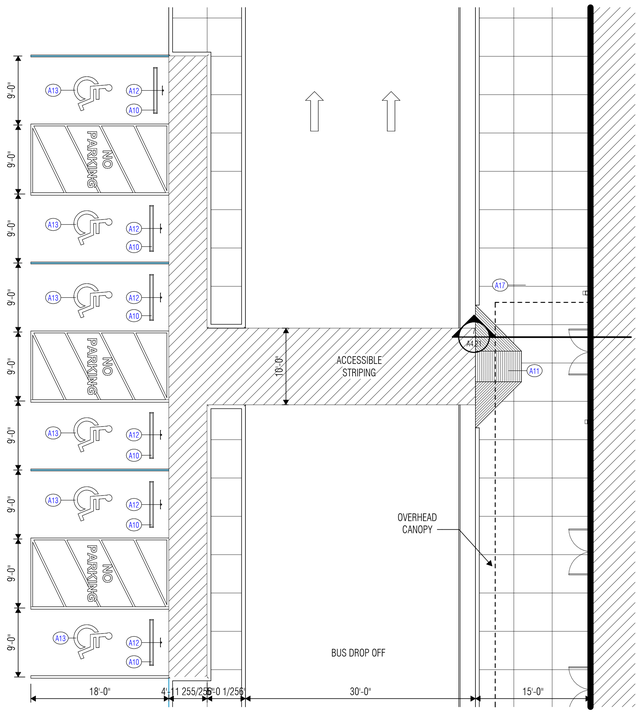
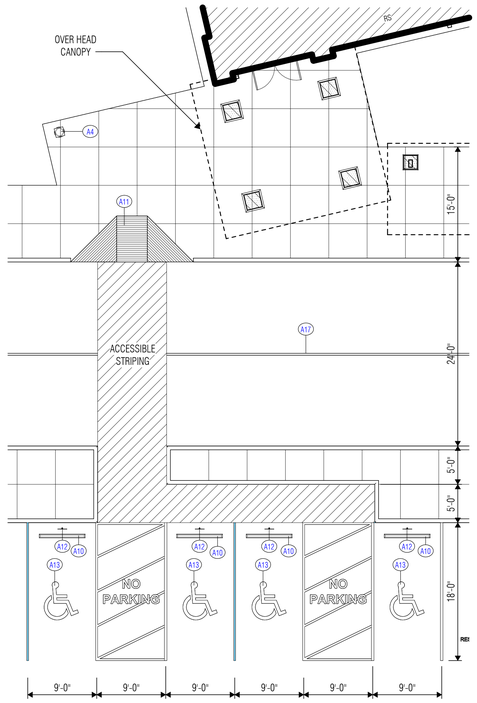
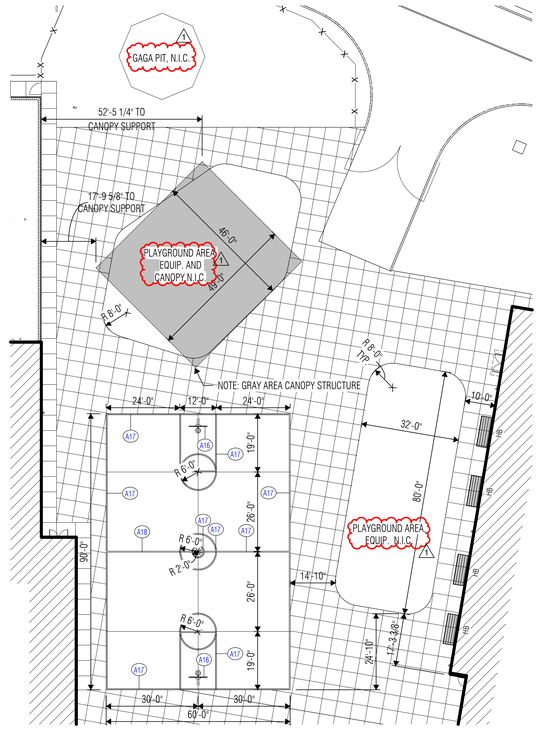


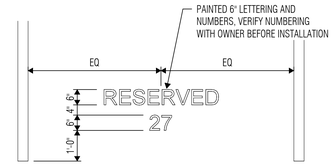
1 ENLARGED ACCESIBLE ROUTE AT STAFF PARKING
SCALE: 1/8" = 1'-0"



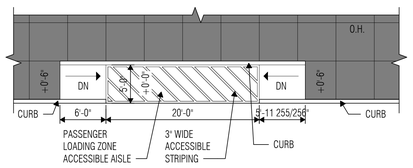
2 ENLARGED ACCESIBLE ROUTE AT VISITOR PARKING
SCALE: 1/8" = 1'-0"



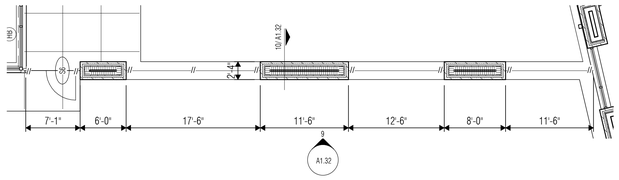
3 ENLARGED PLAYGROUND AREA
SCALE: 1" = 20'-0"



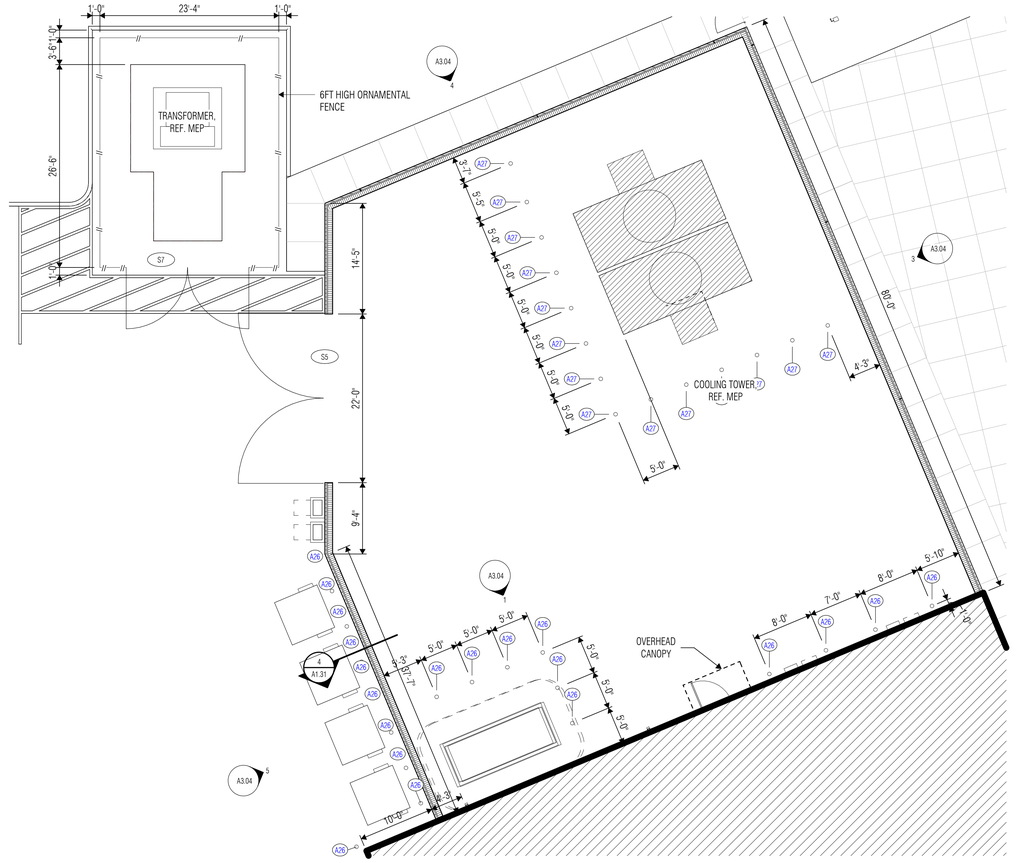
7 PARKING IDENTIFICATION DETAIL
SCALE: 1/2" = 1'-0"



4 PASSENGER LOADING ZONE
SCALE: 1/8" = 1'-0"



5 ENLARGED DECORATIVE FENCE
SCALE: 1/8" = 1'-0"



6 ENLARGED SERVICE YARD AND DUMPSTERS
SCALE: 1/8" = 1'-0"

KEYED NOTE LEGEND	
A4	Flag Pole
A10	Wheel stop, Ref.
A11	Accessible ramp, 1:12 slope max.
A12	Accessible parking sign, Ref.
A13	Painted HC Symbol, Ref.
A16	Basketball Goal with 10'-0" Rim Height
A17	2" Court Striping
A18	Concrete Control Joints
A26	6" Bollard, Stationary. Ref. 10/A1.06
A27	6" Bollard, Removable. Ref. 8/A1.06

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REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
ENLARGED ARCHITECTURAL SITE PLANS

SHEET NO.
A1.21

New Elementary No. 49

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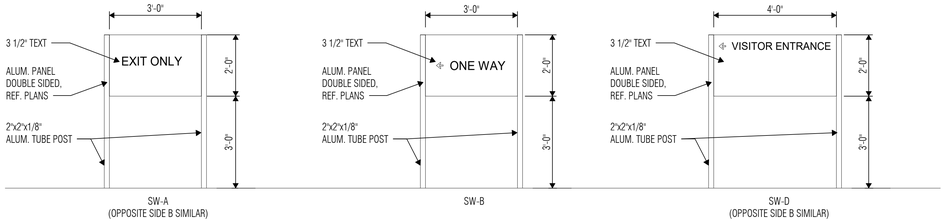
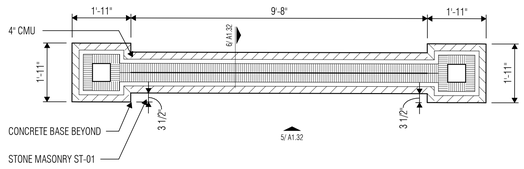
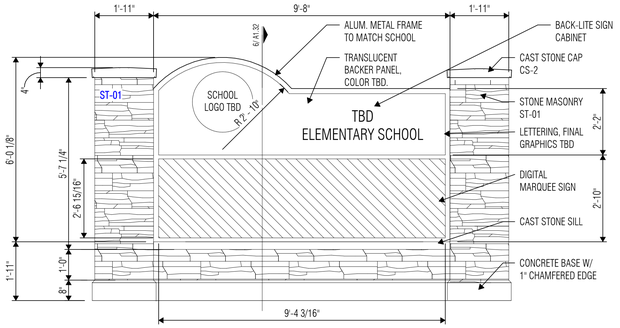


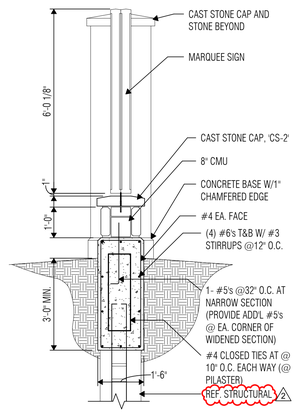
1 SITE WAYFINDING GRAPHICS
SCALE: 1/2" = 1'-0"



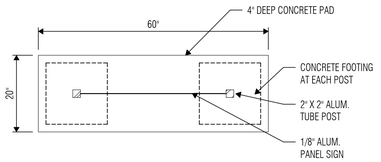
4 MARQUEE SIGN PLAN
SCALE: 1/2" = 1'-0"



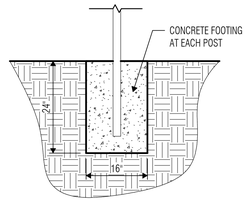
5 MARQUEE SIGN - DETAIL
SCALE: 1/2" = 1'-0"



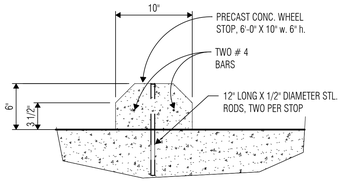
6 MARQUEE SIGN SECTION
SCALE: 1/2" = 1'-0"



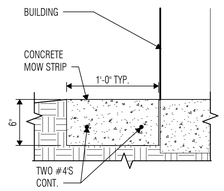
2 SITE GRAPHICS TYP. PLAN
SCALE: 3/4" = 1'-0"



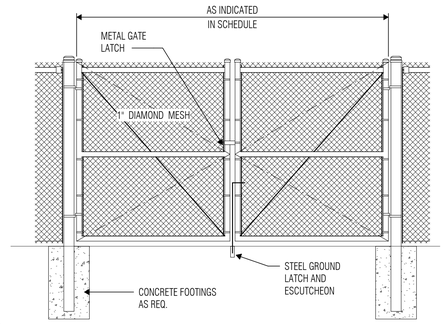
3 SITE GRAPHICS TYP. FOOTING
SCALE: 3/4" = 1'-0"



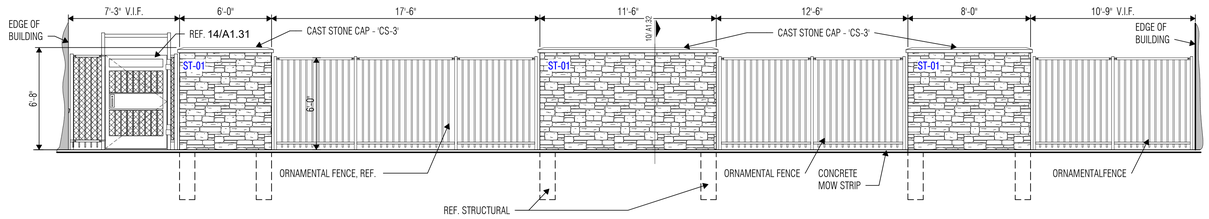
7 CONCRETE WHEELSTOP DETAIL
SCALE: 1 1/2" = 1'-0"



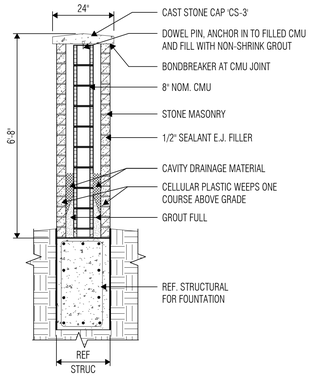
8 CONCRETE MOW STRIP
SCALE: 1 1/2" = 1'-0"



11 DOUBLE CHAINLINK GATE ELEVATION
SCALE: 1/2" = 1'-0"



9 ELEVATION @ STONE MASONRY WALL
SCALE: 1/4" = 1'-0"



10 SECTION @ STONE MASONRY WALL
SCALE: 1/2" = 1'-0"

SITE SIGNAGE NOTES

1. All signs shall be aluminum post and panel with sizes as indicated.
2. All posts shall be 2" square aluminum with slots for sign panel.
3. Post and panel systems color to be determined by architect from full range of manufacturer colors.
4. All letters shall be Helvetica 721 Bold, Uppercase as indicated. Text and symbol color to be in contrast to sign color.
5. All letters shall be of heights and proportions to fit within sign face as indicated.
6. All letters shall be reviewed and approved by the owner.
7. Not all signage may be applicable, refer to site plan for site signage locations and types.
8. Arrow direction may be reversed depending on site layout, typ.

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KATY, TEXAS

REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS
01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 01	12/12/2025
2 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
ARCHITECTURAL SITE PLAN DETAILS

SHEET NO.
A1.32

New Elementary No. 49

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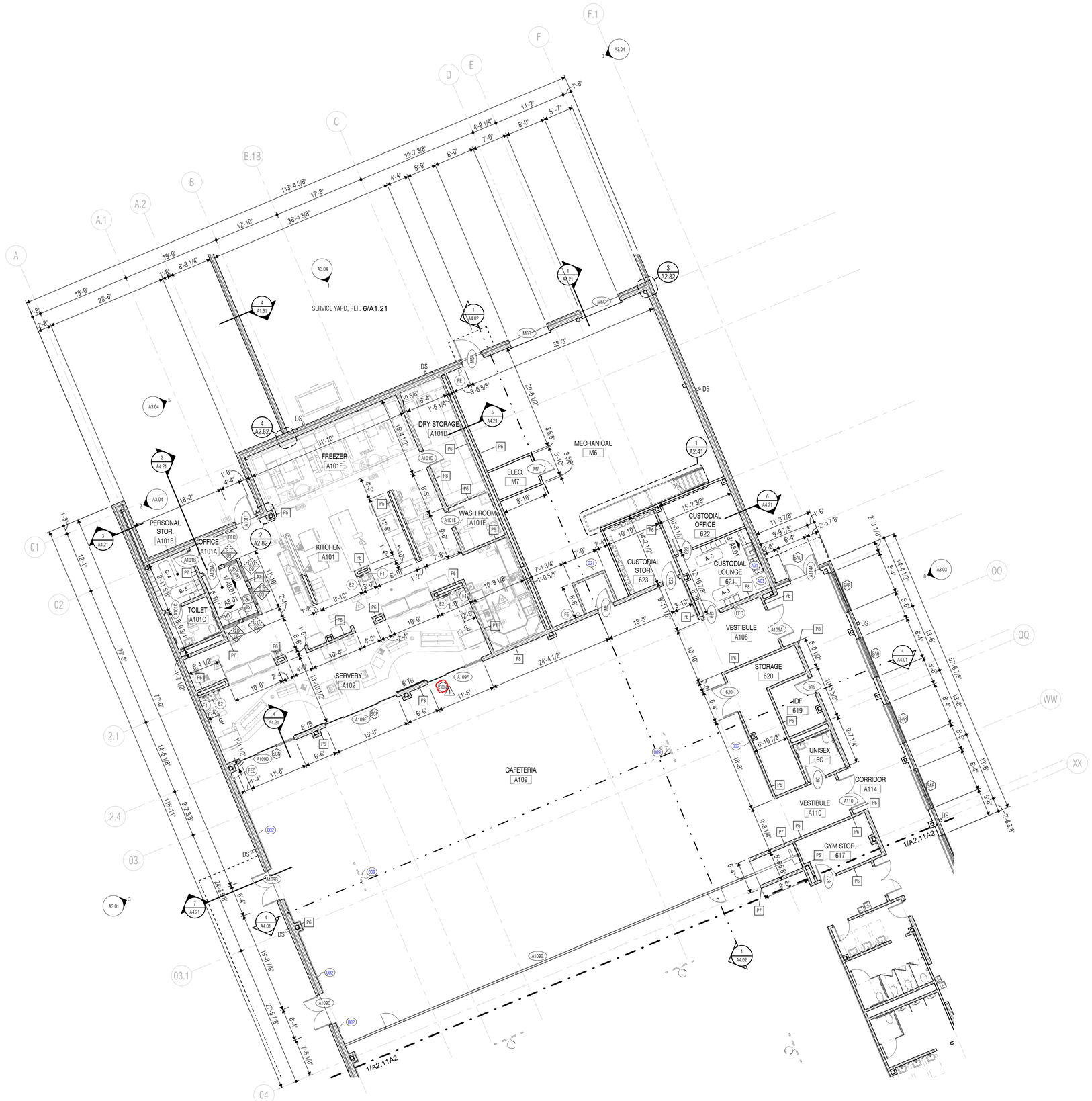

1 FLOOR PLAN - LEVEL 1 - UNIT A1
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 153.42' (Mean Sea Level), which equals to 100'-0" datum.
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. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 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 A2.21 for Partition Types.
7. Interior partitions are Type "P1" unless noted otherwise.
8. Refer to Detail **3/A0.31** 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 Detail **6/A2.21** for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
10. Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
11. Refer to Sheet A2.21 for Typical Bracing at Non-Loadbearing CMU Partitions.
12. Refer to Exterior Elevations for exact locations of downspouts.
13. 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.
14. Provide 6" starter courses at all CMU walls and partitions unless noted otherwise.
15. 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.
16. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
17. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
18. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
19. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
20. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to Detail **15/A8.07** for typical blocking requirements at various conditions.
21. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
22. Provide sealant and/or fire safing at all floor penetrations, as applicable.

FLOOR PLAN LEGEND

- METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Reflected Ceiling Plan Notes. Refer to Life Safety and Floor Plan sheets 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 Life Safety and Reflected Ceiling Plan sheets for fire, smoke and sound-conditioned partitions that extend to deck above.
- LOCKER TYPE (A-4) LOCKER QUANTITY — For locker types, ref. **1/A2.22**
- FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD, Preceding number is lentgh, in feet.
TB	TACKBOARD, Preceding number is length, in feet.
TS	TACK STRIP, Preceding number is length, in feet.
S MB	SLIDING MARKERBOARD, Preceding number is length, in feet.
MW	MARKERWALL, Preceding number is length, in feet.
IVD	INTERACTIVE VIDEO DISPLAY
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
MS	MOTORIZED ROLLING SHADES
DS	DOWNSPOUT
DC	DISPLAY CASE, Preceding number is length, in feet

KEYED NOTE LEGEND

002	Wall Pads, Ref. Interior Elevations
009	Retractable Backetball Backboard, Above, Ref. RCP
021	6" Concrete Curb
A01	Microwave, CFCI
A03	Refrigerator w/ Ice Maker, CFCI

KEY PLAN

TRUE NORTH

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KATY, TEXAS

REGISTERED ARCHITECT — CHARLES W. JOHNSON — 20944 — STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT PLAN - LEVEL 1 - UNIT A1

SHEET NO.
A2.11A1

New Elementary No. 49

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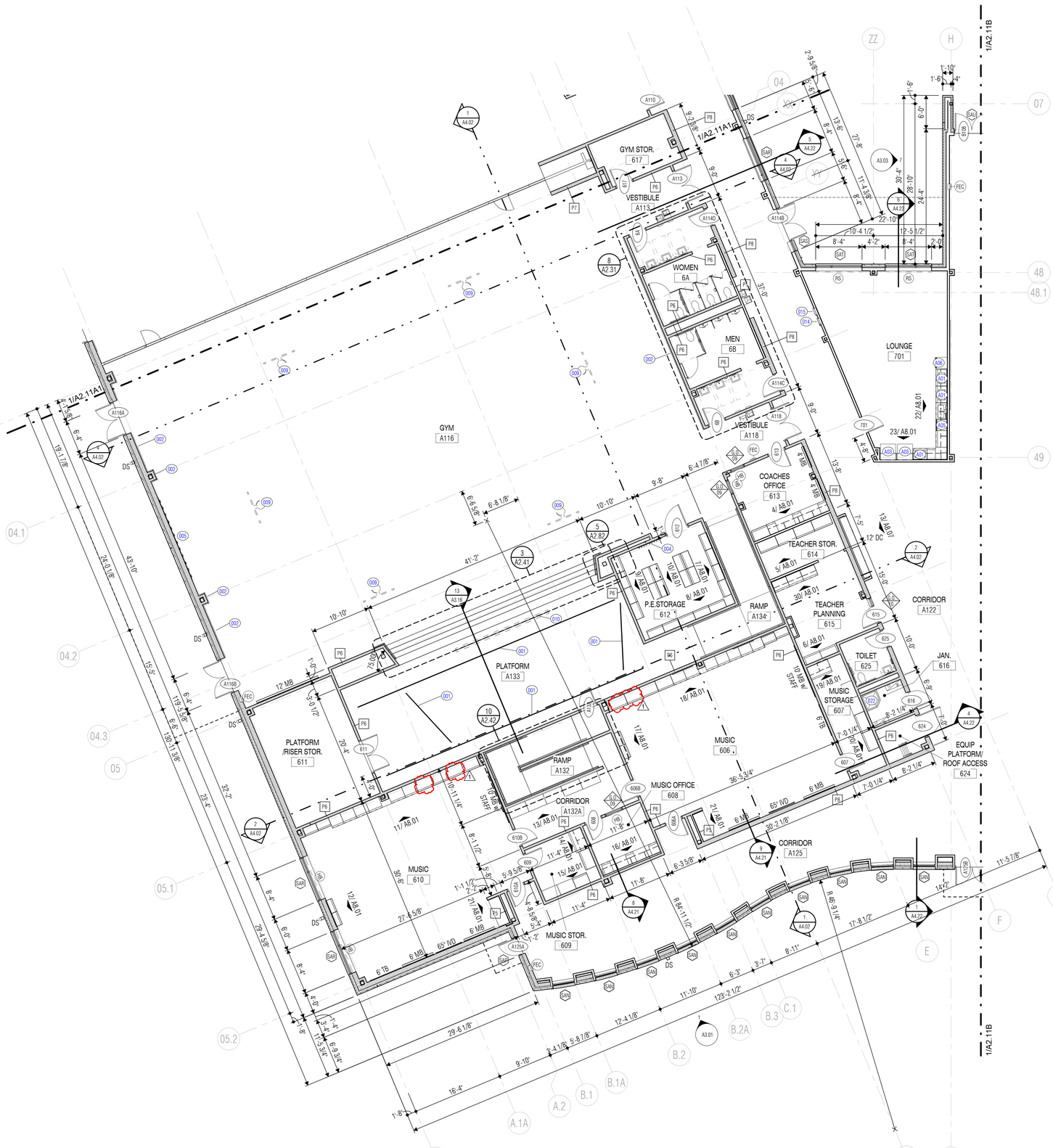


1 FLOOR PLAN - LEVEL 1 - UNIT A2
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 153.42' (Mean Sea Level), which equals to 100'-0" datum.
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. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 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 A2.21 for Partition Types.
7. Interior partitions are Type "P1" unless noted otherwise.
8. Refer to Detail **3/A0.31** 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 Detail **6/A2.21** for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
10. Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
11. Refer to Sheet A2.21 for Typical Bracing at Non-Loadbearing CMU Partitions.
12. Refer to Exterior Elevations for exact locations of downspouts.
13. 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.
14. Provide 6" starter courses at all CMU walls and partitions unless noted otherwise.
15. 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.
16. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
17. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
18. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
19. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
20. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to Detail **15/A8.07** for typical blocking requirements at various conditions.
21. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
22. Provide sealant and/or fire safing at all floor penetrations, as applicable.

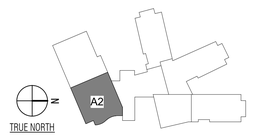
FLOOR PLAN LEGEND

- METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Reflected Ceiling Plan Notes. Refer to Life Safety and Floor Plan sheets 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 Life Safety and Reflected Ceiling Plan sheets for fire, smoke and sound-conditioned partitions that extend to deck above.
- LOCKER TYPE (A-4) LOCKER QUANTITY
  For locker types, ref. **1/A2.22**
- FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD, Preceding number is lentgh, in feet.
TB	TACKBOARD, Preceding number is length, in feet.
TS	TACK STRIP, Preceding number is length, in feet.
S MB	SLIDING MARKERBOARD, Preceding number is length, in feet.
MW	MARKERWALL, Preceding number is length, in feet.
IVD	INTERACTIVE VIDEO DISPLAY
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
MS	MOTORIZED ROLLING SHADES
DS	DOWNSPOUT
DC	DISPLAY CASE, Preceding number is length, in feet

KEYED NOTE LEGEND

001	Stage Curtains
002	Wall Pads, Ref. Interior Elevations
004	Wall Hooks, Mounted 48" AFF
005	Climbing Wall, CFCI
009	Retractable Backetball Backboard, Above, Ref. RCP
010	Motorized Projection Screen, Ref. RCP
014	AED Cabinet, Semi-Recessed, OFOI
015	Bleeding Control Kit, Semi-Recessed, OFOI
022	Mop Sink + Shelf, Ref. A2.38
A01	Microwave, CFCI
A03	Refrigerator w/ Ice Maker, CFCI
A05	Dishwasher, CFCI
A06	Ice Machine, CFCI



KEY PLAN

ARCHITECT

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KATY, TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT PLAN - LEVEL 1 - UNIT A2

SHEET NO.
A2.11A2

New Elementary No. 49

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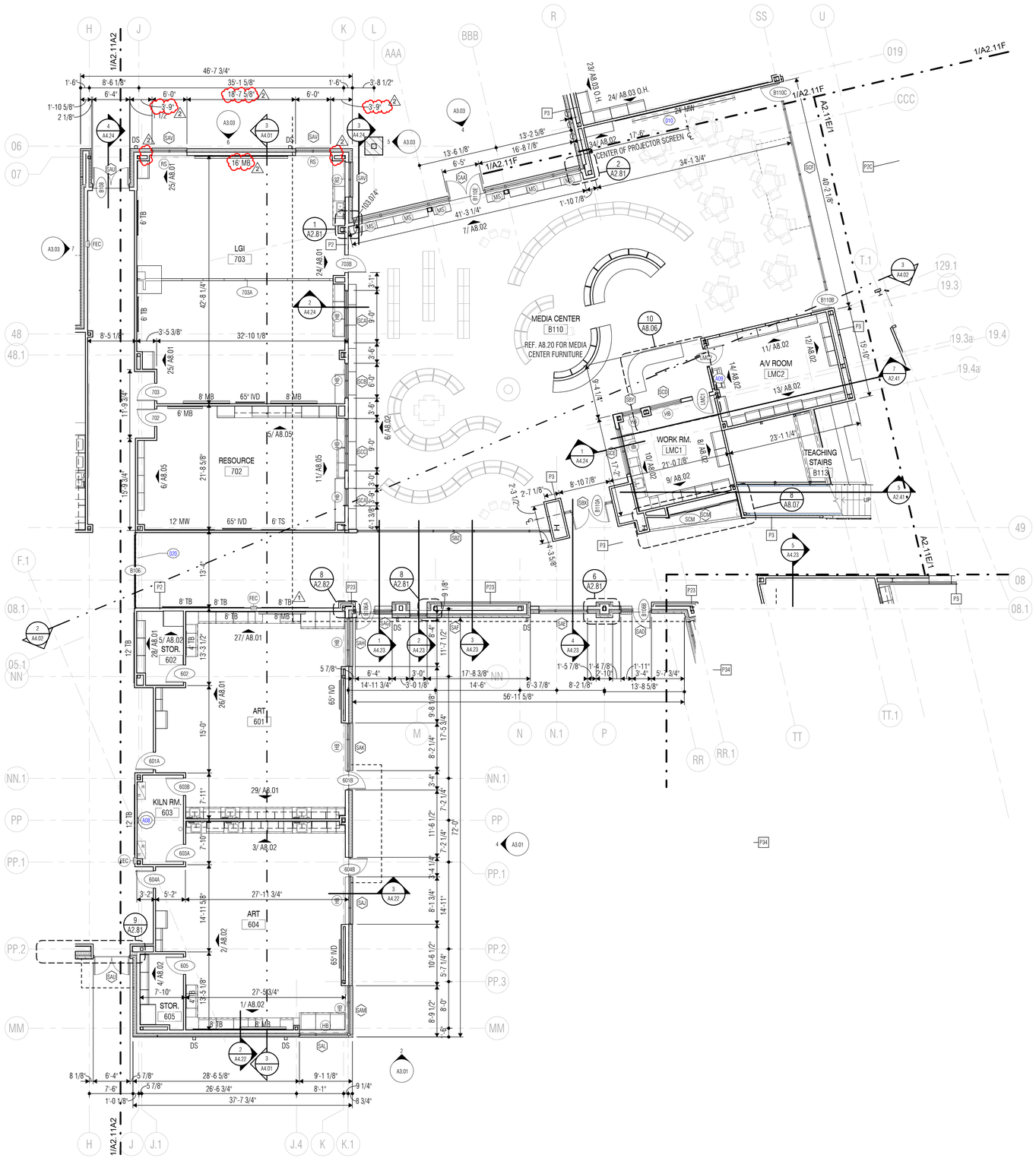


1 FLOOR PLAN - LEVEL 1 - UNIT B
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 153.42' (Mean Sea Level), which equals to 100'-0" datum.
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. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 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 A2.21 for Partition Types.
7. Interior partitions are Type "P1" unless noted otherwise.
8. Refer to Detail **3/A0.31** 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 Detail **6/A2.21** for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
10. Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
11. Refer to Sheet A2.21 for Typical Bracing at Non-Loadbearing CMU Partitions.
12. Refer to Exterior Elevations for exact locations of downspouts.
13. 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.
14. Provide 6" starter courses at all CMU walls and partitions unless noted otherwise.
15. 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.
16. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
17. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
18. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
19. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
20. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to Detail **15/A8.07** for typical blocking requirements at various conditions.
21. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
22. Provide sealant and/or fire safing at all floor penetrations, as applicable.

FLOOR PLAN LEGEND

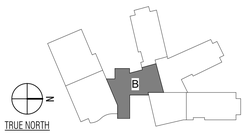
- METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Reflected Ceiling Plan Notes. Refer to Life Safety and Floor Plan sheets for fire, smoke and sound-conditioned partitions that extend to deck above.
- CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Life Safety and Reflected Ceiling Plan sheets for fire, smoke and sound-conditioned partitions that extend to deck above.
- LOCKER TYPE (A-2) LOCKER QUANTITY — For locker types, ref. **1/A2.22**
- FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD, Preceding number is lentgth, in feet.
TB	TACKBOARD, Preceding number is length, in feet.
TS	TACK STRIP, Preceding number is length, in feet.
S MB	SLIDING MARKERBOARD, Preceding number is length, in feet.
MW	MARKERWALL, Preceding number is length, in feet.
IVD	INTERACTIVE VIDEO DISPLAY
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
MS	MOTORIZED ROLLING SHADES
DS	DOWNSPOUT
DC	DISPLAY CASE, Preceding number is length, in feet

KEYED NOTE LEGEND

010	Motorized Projection Screen, Ref. RCP
020	Overhead Coiling Door, Ref. Door Schedule
A08	Kiln w/ Vent
A09	Printer, N.I.C.

TRUE NORTH



KEY PLAN

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KATY ISD
KATY, TEXAS

REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 02	12/18/2025
2 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT PLAN - LEVEL 1 - UNIT B

SHEET NO.
A2.11B

New Elementary No. 49

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FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 153.42' (Mean Sea Level), which equals to 100'-0" datum.
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. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 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 A2.21 for Partition Types.
7. Interior partitions are Type "P1" unless noted otherwise.
8. Refer to Detail 3/A0.31 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 Detail 6/A2.21 for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
10. Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
11. Refer to Sheet A2.21 for Typical Bracing at Non-Loadbearing CMU Partitions.
12. Refer to Exterior Elevations for exact locations of downspouts.
13. 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.
14. Provide 6" starter courses at all CMU walls and partitions unless noted otherwise.
15. 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.
16. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
17. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
18. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
19. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
20. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to Detail 15/A8.07 for typical blocking requirements at various conditions.
21. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
22. Provide sealant and/or fire safing at all floor penetrations, as applicable.

FLOOR PLAN LEGEND

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

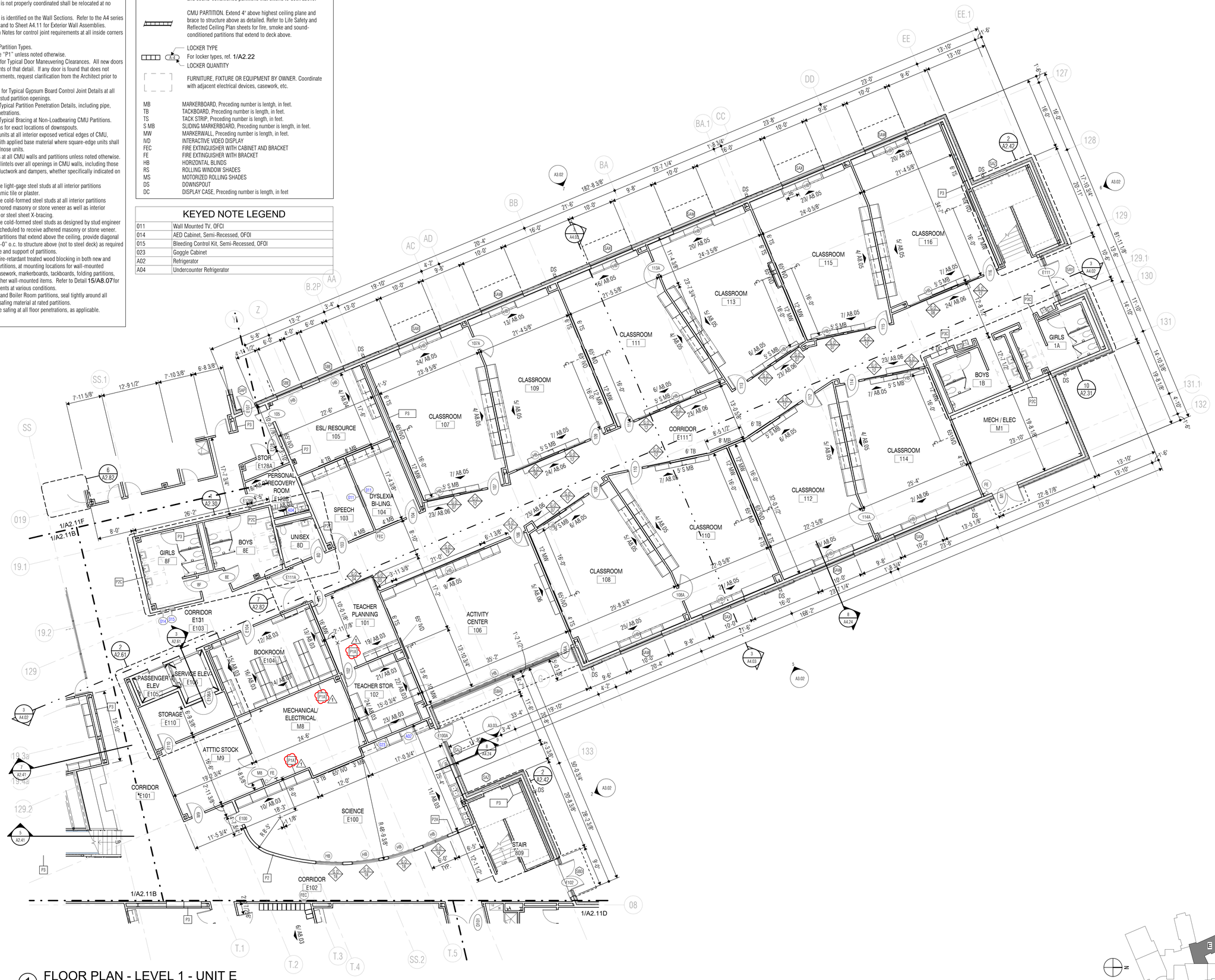
LOCKER TYPE
For locker types, ref. 1/A2.22
LOCKER QUANTITY

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

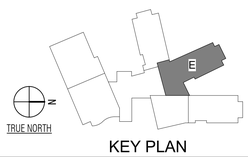
MB	MARKERBOARD, Preceding number is lentgh, in feet.
TB	TACKBOARD, Preceding number is length, in feet.
TS	TACK STRIP, Preceding number is length, in feet.
S MB	SLIDING MARKERBOARD, Preceding number is length, in feet.
MW	MARKERWALL, Preceding number is length, in feet.
IVD	INTERACTIVE VIDEO DISPLAY
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
MS	MOTORIZED ROLLING SHADES
DS	DOWNSPOUT
DC	DISPLAY CASE, Preceding number is length, in feet

KEYED NOTE LEGEND

011	Wall Mounted TV, OFCI
014	AED Cabinet, Semi-Recessed, OFOI
015	Bleeding Control Kit, Semi-Recessed, OFOI
023	Goggle Cabinet
A02	Refrigerator
A04	Undercounter Refrigerator



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



KEY PLAN

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KATY, TEXAS

REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS
01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director	Charles Johnson
Proj. Arch.	Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT PLAN - LEVEL 1 - UNIT E

SHEET NO.
A2.11E

New Elementary No. 49

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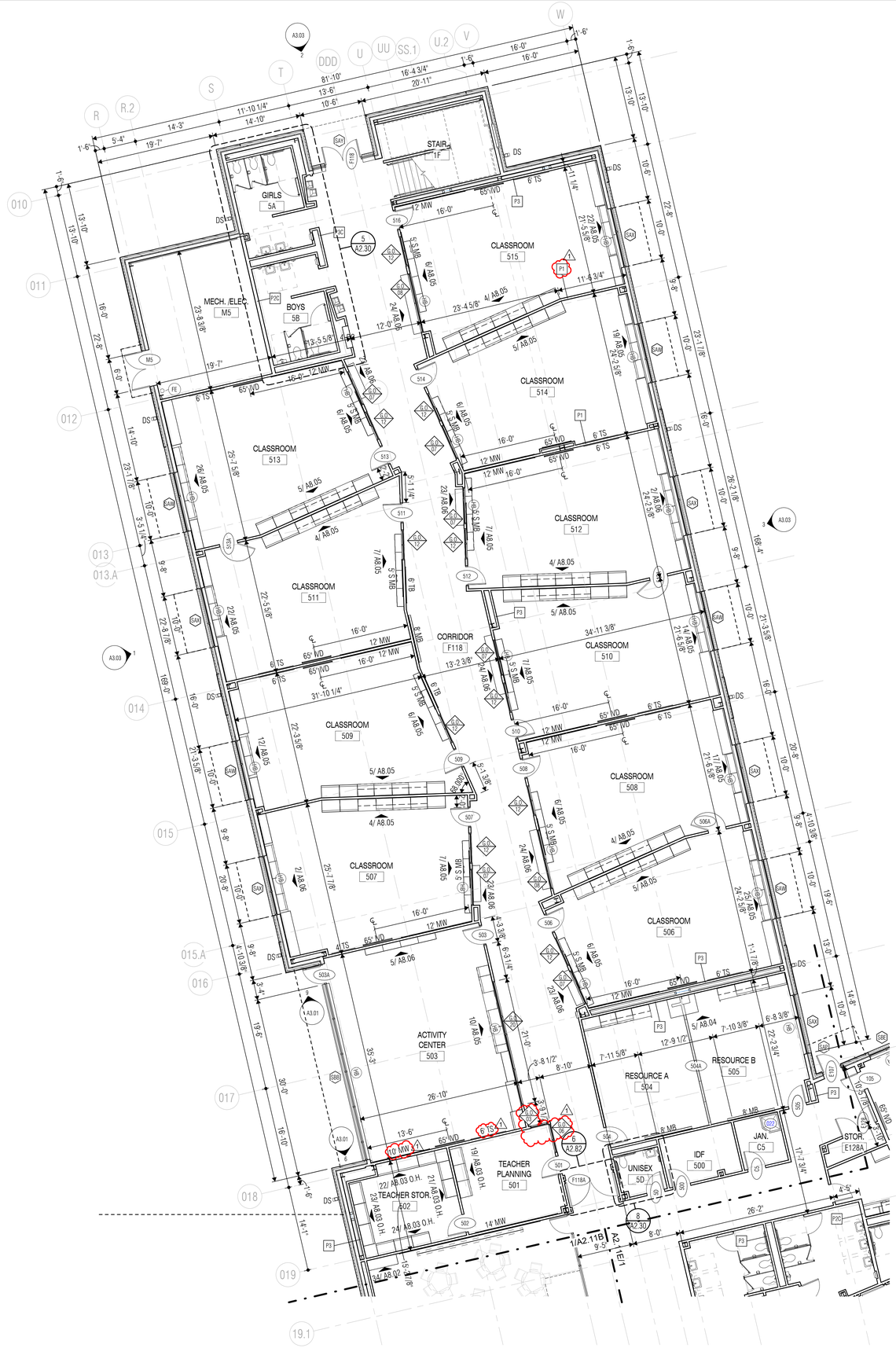
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CLASSROOM 506
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GIRLS 5A
BOYS 5B
MECH. /ELEC. M5
CORRIDOR F118
ACTIVITY CENTER 503
RESOURCE A 504
RESOURCE B 505
TEACHER PLANNING 501
TEACHER STOR 502
UNISEX 50
IDF 500
JAN. C5
STOR. E128A
65" IWD
12' MW
6' TS
8' MB
7' A8.05
6' A8.05
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6' S.MB
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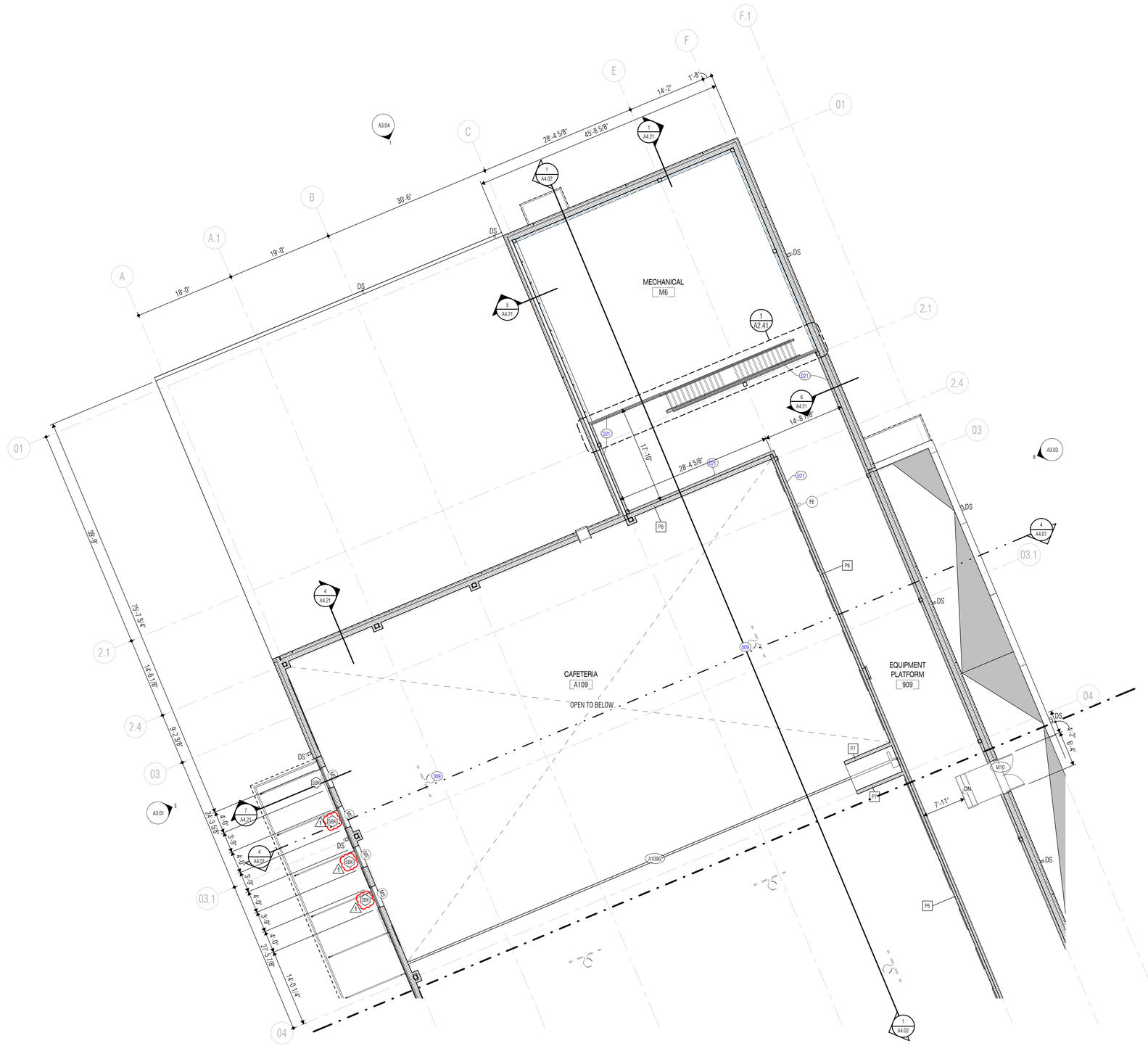
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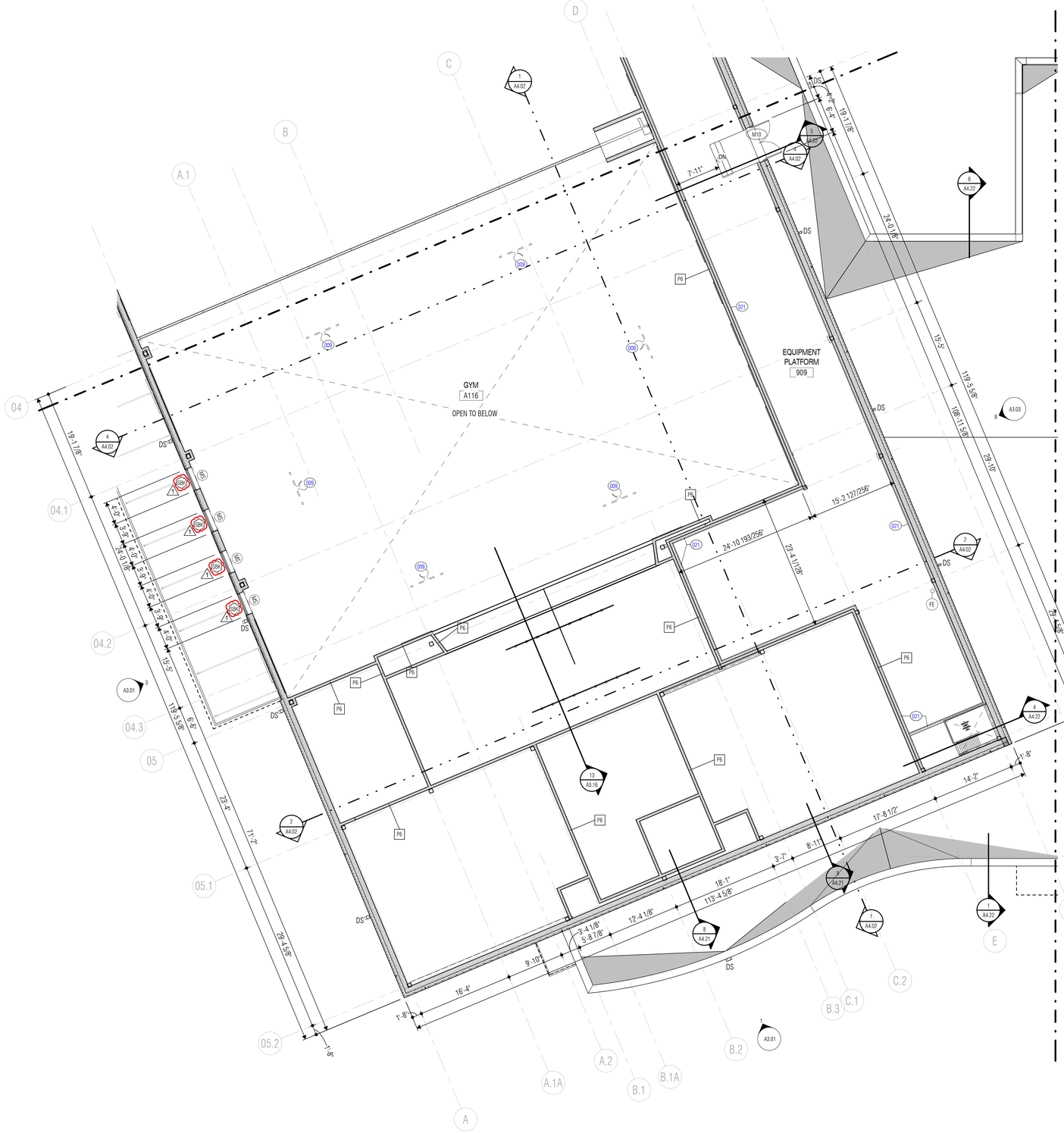

1 FLOOR PLAN - LEVEL 2 - UNIT A2
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 153.42' (Mean Sea Level), which equals to 100'-0" datum.
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. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 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 A2.21 for Partition Types.
7. Interior partitions are Type "P1" unless noted otherwise.
8. Refer to Detail **3/A0.31** 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 Detail **6/A2.21** for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
10. Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
11. Refer to Sheet A2.21 for Typical Bracing at Non-Loadbearing CMU Partitions.
12. Refer to Exterior Elevations for exact locations of downspouts.
13. 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.
14. Provide 6" starter courses at all CMU walls and partitions unless noted otherwise.
15. 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.
16. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
17. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
18. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
19. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
20. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to Detail **15/A8.07** for typical blocking requirements at various conditions.
21. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
22. Provide sealant and/or fire safing at all floor penetrations, as applicable.

FLOOR PLAN LEGEND

- METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Reflected Ceiling Plan Notes. Refer to Life Safety and Floor Plan sheets 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 Life Safety and Reflected Ceiling Plan sheets for fire, smoke and sound-conditioned partitions that extend to deck above.
- LOCKER TYPE (A.4) For locker types, ref. **1/A2.22** LOCKER QUANTITY
- FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD, Preceding number is lentgh, in feet.
TB	TACKBOARD, Preceding number is length, in feet.
TS	TACK STRIP, Preceding number is length, in feet.
S MB	SLIDING MARKERBOARD, Preceding number is length, in feet.
MW	MARKERWALL, Preceding number is length, in feet.
IVD	INTERACTIVE VIDEO DISPLAY
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
MS	MOTORIZED ROLLING SHADES
DS	DOWNSPOUT
DC	DISPLAY CASE, Preceding number is length, in feet

KEYED NOTE LEGEND

009	Retractable Backetball Backboard, Above, Ref. RCP
021	6" Concrete Curb

TRUE NORTH

KEY PLAN

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KATY ISD
KATY, TEXAS

REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS
01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT PLAN - LEVEL 2 - UNIT A2

SHEET NO.
A2.12A2

New Elementary No. 49

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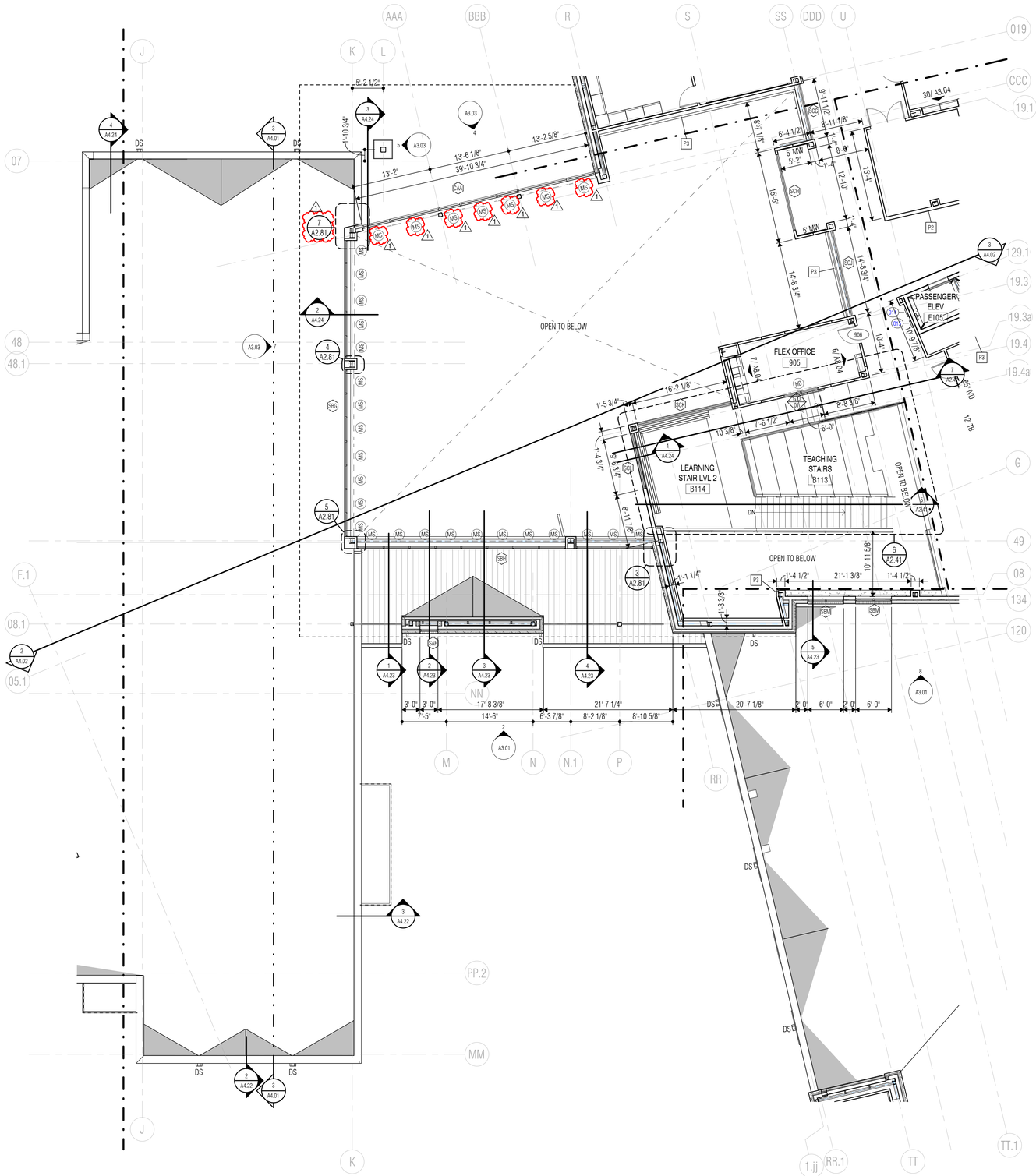

1 FLOOR PLAN - LEVEL 2 - UNIT B
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 153.42' (Mean Sea Level), which equals to 100'-0" datum.
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. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 for Exterior Wall Assemblies.
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9. Refer to Detail **6/A2.21** for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
10. Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
11. Refer to Sheet A2.21 for Typical Bracing at Non-Loadbearing CMU Partitions.
12. Refer to Exterior Elevations for exact locations of downspouts.
13. 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

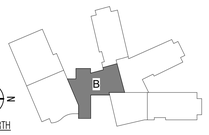
- METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Reflected Ceiling Plan Notes. Refer to Life Safety and Floor Plan sheets for fire, smoke and sound-conditioned partitions that extend to deck above.
- CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Life Safety and Reflected Ceiling Plan sheets for fire, smoke and sound-conditioned partitions that extend to deck above.
- LOCKER TYPE (A-4) LOCKER QUANTITY — For locker types, ref. **1/A2.22**
- FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD, Preceding number is lentgh, in feet.
TB	TACKBOARD, Preceding number is length, in feet.
TS	TACK STRIP, Preceding number is length, in feet.
S MB	SLIDING MARKERBOARD, Preceding number is length, in feet.
MW	MARKERWALL, Preceding number is length, in feet.
IVD	INTERACTIVE VIDEO DISPLAY
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
MS	MOTORIZED ROLLING SHADES
DS	DOWNSPOUT
DC	DISPLAY CASE, Preceding number is length, in feet

KEYED NOTE LEGEND

014	AED Cabinet, Semi-Recessed, OFOI
015	Bleeding Control Kit, Semi-Recessed, OFOI

TRUE NORTH



KEY PLAN

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KATY ISD
KATY, TEXAS

REGISTERED ARCHITECT — CHARLES W. JOHNSON — 20944 — STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT PLAN - LEVEL 2 - UNIT B

SHEET NO.
A2.12B

New Elementary No. 49

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FLOOR PLAN LEGEND

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

LOCKER TYPE
For locker types, ref. 1/A2.22
LOCKER QUANTITY

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

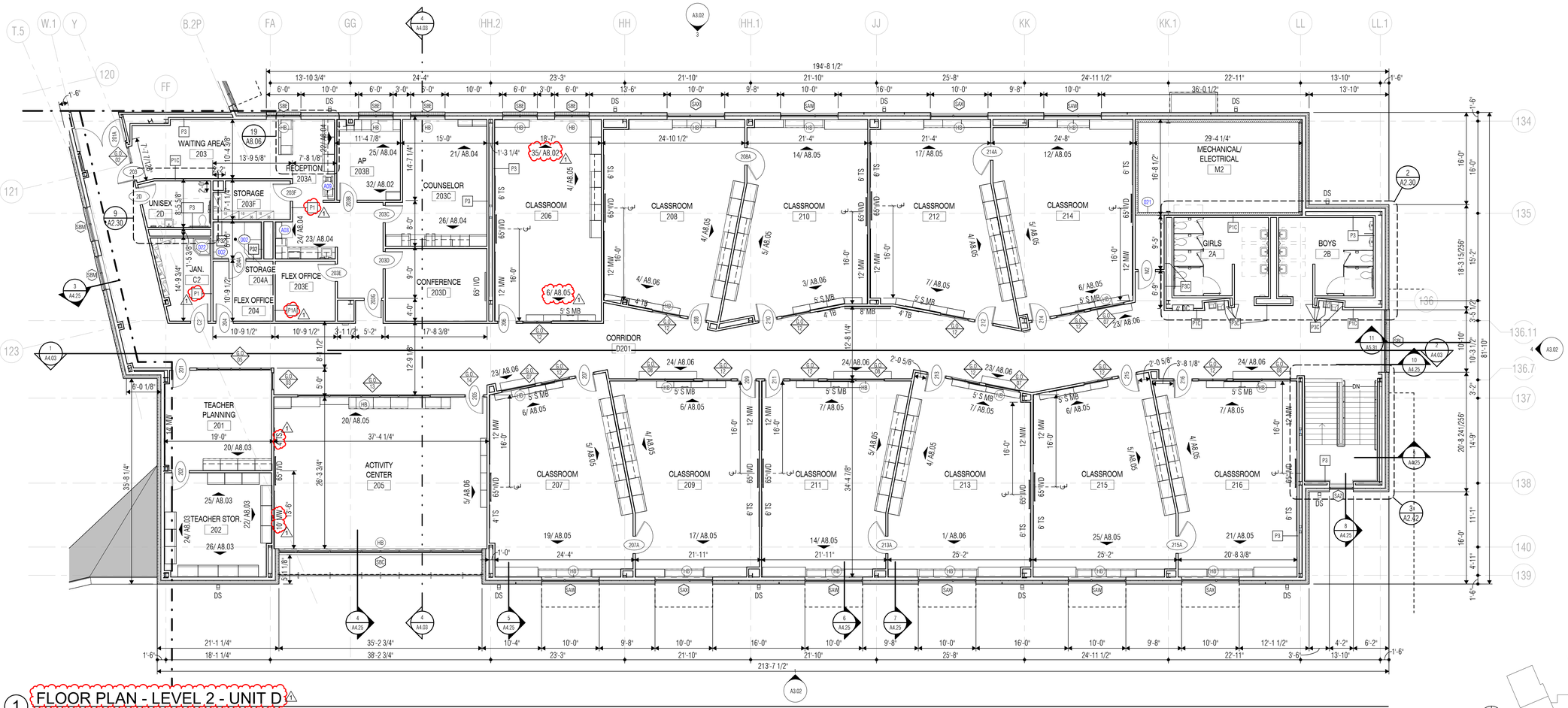
MB	MARKERBOARD, Preceding number is lentgh, in feet.
TB	TACKBOARD, Preceding number is length, in feet.
TS	TACK STRIP, Preceding number is length, in feet.
S MB	SLIDING MARKERBOARD, Preceding number is length, in feet.
MW	MARKERWALL, Preceding number is length, in feet.
IVD	INTERACTIVE VIDEO DISPLAY
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
MS	MOTORIZED ROLLING SHADES
DS	DOWNSPOUT
DC	DISPLAY CASE, Preceding number is length, in feet

KEYED NOTE LEGEND

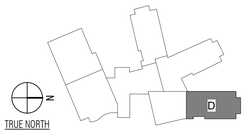
002	Wall Pads, Ref. Interior Elevations
021	6" Concrete Curb
022	Mop Sink + Shelf, Ref. A2.38
A03	Refrigerator w/ Ice Maker, CFCI
A09	Printer, N.I.C.

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 153.42' (Mean Sea Level), which equals to 100'-0" datum.
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. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 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 A2.21 for Partition Types.
7. Interior partitions are Type "P1" unless noted otherwise.
8. Refer to Detail 3/A0.31 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 Detail 6/A2.21 for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
10. Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
11. Refer to Sheet A2.21 for Typical Bracing at Non-Loadbearing CMU Partitions.
12. Refer to Exterior Elevations for exact locations of downspouts.
13. 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.
14. Provide 6" starter courses at all CMU walls and partitions unless noted otherwise.
15. 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.
16. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
17. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
18. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
19. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
20. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to Detail 15/A8.07 for typical blocking requirements at various conditions.
21. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
22. Provide sealant and/or fire safing at all floor penetrations, as applicable.



1 FLOOR PLAN - LEVEL 2 - UNIT D
SCALE: 1/8" = 1'-0"



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01/15/2026

Project Issued: December 9, 2025

REVISIONS

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1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

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SHEET TITLE
UNIT PLAN - LEVEL 2 - UNIT D

SHEET NO.
A2.12D

New Elementary No. 49

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FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 153.42' (Mean Sea Level), which equals to 100'-0" datum.
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. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 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 A2.21 for Partition Types.
7. Interior partitions are Type "P1" unless noted otherwise.
8. Refer to Detail **3/A0.31** 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 Detail **6/A2.21** for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
10. Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
11. Refer to Sheet A2.21 for Typical Bracing at Non-Loadbearing CMU Partitions.
12. Refer to Exterior Elevations for exact locations of downspouts.
13. 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.
14. Provide 6" starter courses at all CMU walls and partitions unless noted otherwise.
15. 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.
16. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
17. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
18. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
19. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
20. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to Detail **15/A8.07** for typical blocking requirements at various conditions.
21. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
22. Provide sealant and/or fire safing at all floor penetrations, as applicable.

FLOOR PLAN LEGEND

- METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Reflected Ceiling Plan Notes. Refer to Life Safety and Floor Plan sheets 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 Life Safety and Reflected Ceiling Plan sheets for fire, smoke and sound-conditioned partitions that extend to deck above.
- LOCKER TYPE (e.g. A.E)
  For locker types, ref. **1/A2.22**
  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.
S MB	SLIDING MARKERBOARD, Preceding number is length, in feet.
MW	MARKERWALL, Preceding number is length, in feet.
IVD	INTERACTIVE VIDEO DISPLAY
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
MS	MOTORIZED ROLLING SHADES
DS	DOWNSPOUT
DC	DISPLAY CASE, Preceding number is length, in feet

KEYED NOTE LEGEND

014	AED Cabinet, Semi-Recessed, OFOI
015	Bleeding Control Kit, Semi-Recessed, OFOI
021	6" Concrete Curb

1 FLOOR PLAN - LEVEL 2 - UNIT E
SCALE: 1/8" = 1'-0"

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01/15/2026

Project Issued: December 9, 2025

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Director Charles Johnson
Proj. Arch. Casey Palmer

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SHEET TITLE
UNIT PLAN - LEVEL 2 - UNIT E

SHEET NO.
A2.12E

New Elementary No. 49

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1 FLOOR PLAN - LEVEL 2 - UNIT F
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Primary Ground Level floor elevation is 153.42' (Mean Sea Level), which equals to 100'-0" datum.
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. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 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 A2.21 for Partition Types.
7. Interior partitions are Type "P1" unless noted otherwise.
8. Refer to Detail **3/A0.31** 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 Detail **6/A2.21** for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
10. Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
11. Refer to Sheet A2.21 for Typical Bracing at Non-Loadbearing CMU Partitions.
12. Refer to Exterior Elevations for exact locations of downspouts.
13. 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.
14. Provide 6" starter courses at all CMU walls and partitions unless noted otherwise.
15. 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.
16. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
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19. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
20. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to Detail **15/A8.07** for typical blocking requirements at various conditions.
21. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
22. Provide sealant and/or fire safing at all floor penetrations, as applicable.

FLOOR PLAN LEGEND

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

LOCKER TYPE
For locker types, ref. **1/A2.22**
LOCKER QUANTITY

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

MB	MARKERBOARD, Preceding number is lentgh, in feet.
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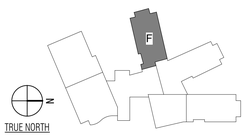
DS	DOWNSPOUT
DC	DISPLAY CASE, Preceding number is length, in feet



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01/15/2026

Project Issued: December 9, 2025

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PROJECT NO.
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SHEET TITLE
UNIT PLAN - LEVEL 2 - UNIT F

SHEET NO.
A2.12F

New Elementary No. 49

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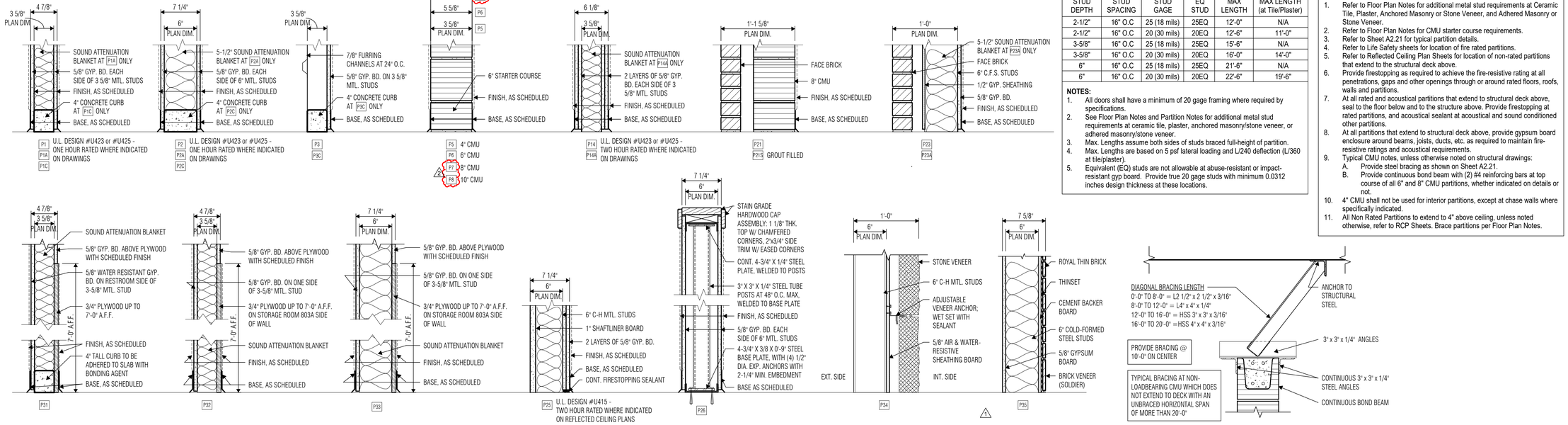
STUD PARTITION SIZING SCHEDULE

STUD DEPTH	STUD SPACING	STUD GAGE	EQ STUD	MAX LENGTH	MAX LENGTH (at Tile/Plaster)
2-1/2"	16" O.C	25 (18 mils)	25EQ	12'-0"	N/A
2-1/2"	16" O.C	20 (30 mils)	20EQ	12'-6"	11'-0"
3-5/8"	16" O.C	25 (18 mils)	25EQ	15'-6"	N/A
3-5/8"	16" O.C	20 (30 mils)	20EQ	16'-0"	14'-0"
6"	16" O.C	25 (18 mils)	25EQ	21'-6"	N/A
6"	16" O.C	20 (30 mils)	20EQ	22'-6"	19'-6"

NOTES:
1. All doors shall have a minimum of 20 gage framing where required by specifications.
2. See Floor Plan Notes and Partition Notes for additional metal stud requirements at ceramic tile, plaster, anchored masonry/stone veneer, or adhered masonry/stone veneer.
3. Max. Lengths assume both sides of studs braced full-height of partition.
4. Max. Lengths are based on 5 psf lateral loading and L/240 deflection (L/360 at tile/plaster).
5. Equivalent (EQ) studs are not allowable at abuse-resistant or impact-resistant gyp board. Provide true 20 gage studs with minimum 0.0312 inches design thickness at these locations.

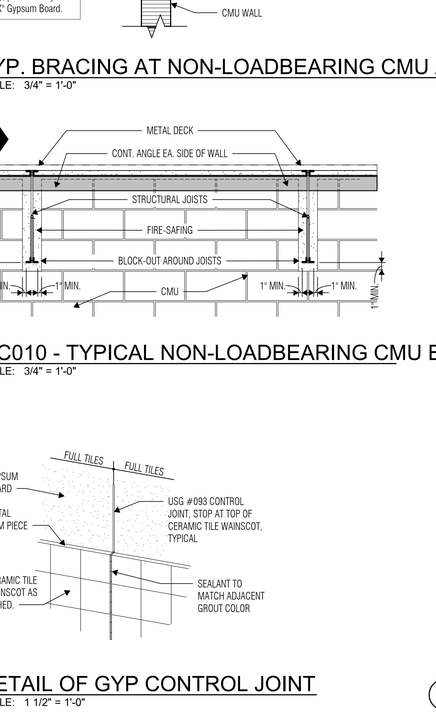
PARTITION NOTES

1. Refer to Floor Plan Notes for additional metal stud requirements at Ceramic Tile, Plaster, Anchored Masonry or Stone Veneer, and Adhered Masonry or Stone Veneer.
2. Refer to Floor Plan Notes for CMU starter course requirements.
3. Refer to Sheet A2.21 for typical partition details.
4. Refer to Life Safety sheets for location of fire rated partitions.
5. Refer to Reflected Ceiling Plan Sheets for location of non-rated partitions that extend to the structural deck above.
6. Provide firestopping as required to achieve the fire-resistive rating at all penetrations, gaps and other openings through or around rated floors, roofs, walls and partitions.
7. At all rated and acoustical partitions that extend to structural deck above, seal to the floor below and to the structure above. Provide firestopping at rated partitions, and acoustical sealant at acoustical and sound conditioned other partitions.
8. At all partitions that extend to structural deck above, provide gypsum board enclosure around beams, joists, ducts, etc. as required to maintain fire-resistive ratings and acoustical requirements.
9. Typical CMU notes, unless otherwise noted on structural drawings:
   A. Provide steel bracing as shown on Sheet A2.21.
   B. Provide continuous bond beam with (2) #4 reinforcing bars at top course of all 6" and 8" CMU partitions, whether indicated on details or not.
10. 4" CMU shall not be used for interior partitions, except at chase walls where specifically indicated.
11. All Non Rated Partitions to extend to 4" above ceiling, unless noted otherwise, refer to RCP Sheets. Brace partitions per Floor Plan Notes.

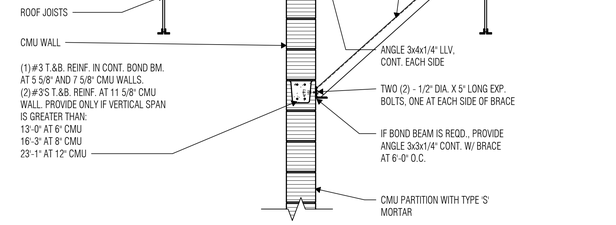


1 PARTITION TYPES
SCALE: 1 1/2" = 1'-0"

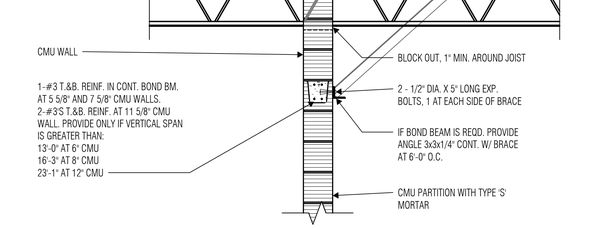
5 TYP BRACING AT NON-LOADBEARING CMU
SCALE: 1 1/2" = 1'-0"



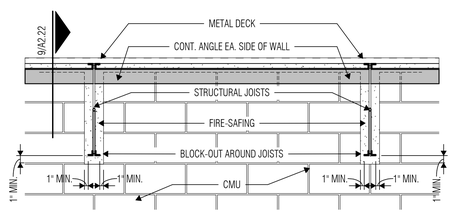
2 TYP. BRACING AT NON-LOADBEARING CMU AT JOIST
SCALE: 3/4" = 1'-0"



3 TYP. BRACING AT FULL-HT. NON-LOADBEARING CMU
SCALE: 3/4" = 1'-0"

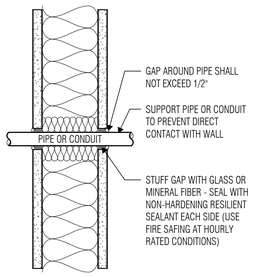


4 TYP. BRACING AT NON-LOADBEARING CMU PERP. TO JOIST
SCALE: 3/4" = 1'-0"

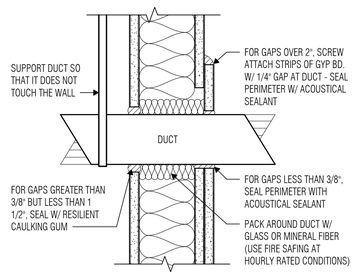


7 MC010 - TYPICAL NON-LOADBEARING CMU BLOCK-OUTS
SCALE: 3/4" = 1'-0"

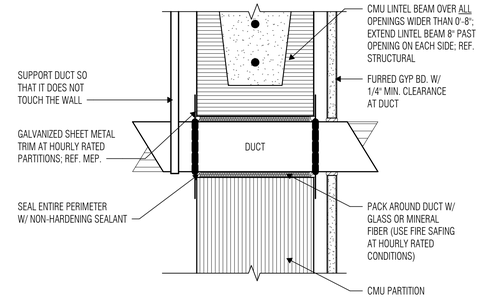
6 DETAIL OF GYP CONTROL JOINT
SCALE: 1 1/2" = 1'-0"



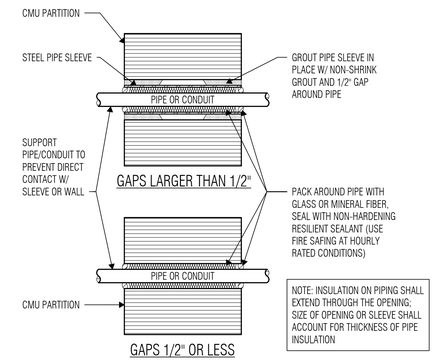
8 PARTITION DETAIL
SCALE: 3" = 1'-0"



9 PARTITION DETAIL
SCALE: 3" = 1'-0"



10 PARTITION DETAIL
SCALE: 3" = 1'-0"



11 PARTITION DETAIL
SCALE: 3" = 1'-0"

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01/15/2026

Project Issued: December 9, 2025

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2 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
PARTITION TYPES

SHEET NO.
A2.21

New Elementary No. 49

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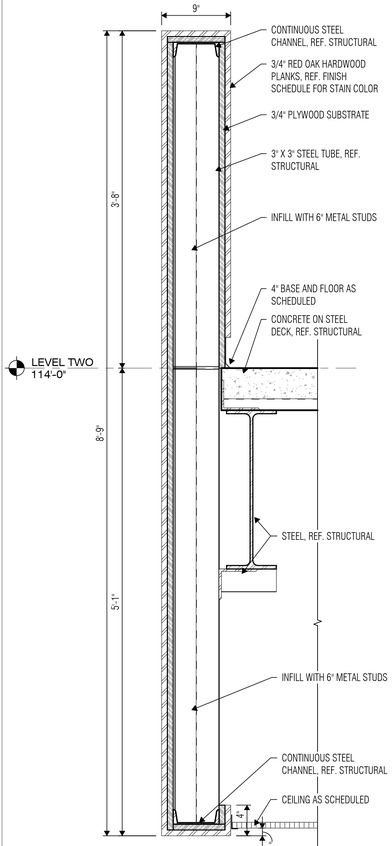
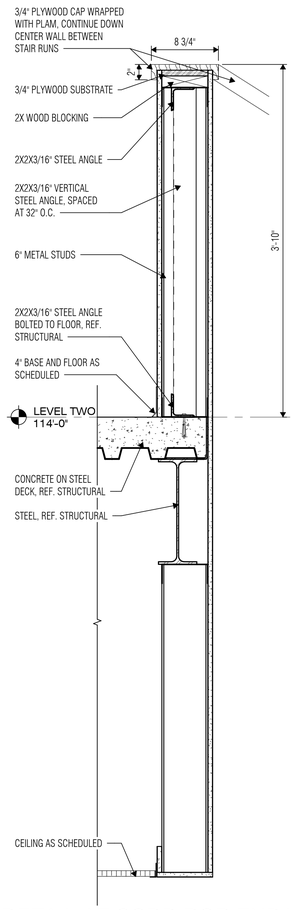
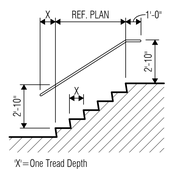


6 DETAIL AT LEVEL TWO WOOD WALL
SCALE: 1 1/2" = 1'-0"

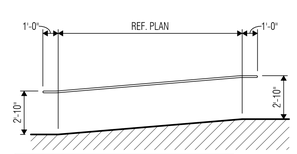


7 DETAIL AT CODDIROR END WALL
SCALE: 1 1/2" = 1'-0"



NOTES:
1. Handrails shall be continuous along both sides of stairs. The inside handrail of switchback or dogleg stairs shall always be continuous.
2. If handrails are not continuous, they shall extend at least 12" beyond the top riser and one tread depth beyond the bottom riser. At the top, extension shall be parallel with the floor or ground surface. At the bottom, the handrail shall continue to slope.
3. The clear space between the handrail and the wall shall be 1 1/2".
4. Gripping surfaces shall be continuous.
5. Ends of handrails shall be returned smoothly to wall.
6. Handrails shall not rotate in their fittings.

1 TYPICAL STAIR HANDRAIL
SCALE: 1/4" = 1'-0"

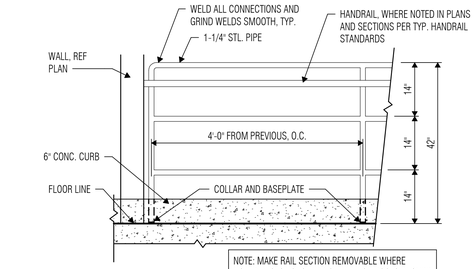


RAMP AND HANDRAIL ARE SCHEMATIC. REF. PLANS AND DETAILS FOR RAMP DIMENSIONS AND HANDRAIL DETAILS

REF. PLANS FOR SLOPE REQUIREMENTS

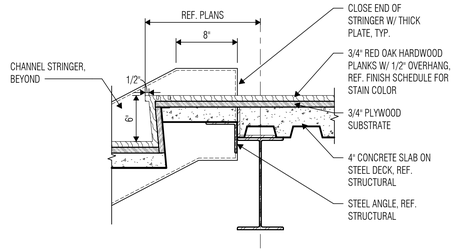
NOTES:
1. Handrails shall extend at least 12" beyond the top and the bottom of the ramp segment and shall be parallel with the floor or ground surface.
2. The clear space between the handrail and the wall shall be 1 1/2".
3. Gripping surfaces shall be continuous.
4. Ends of handrails shall be returned smoothly to floor wall, or post.
5. Handrail shall not rotate in their fittings.
6. Handrails shall be provided on both sides of ramp segments.

2 TYPICAL RAMP HANDRAIL
SCALE: 1/4" = 1'-0"

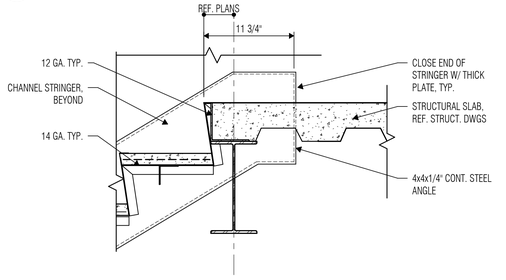


NOTE: MAKE RAIL SECTION REMOVABLE WHERE NOTED IN SECTIONS, ADD SLEEVE FOR POSTS IN CURB

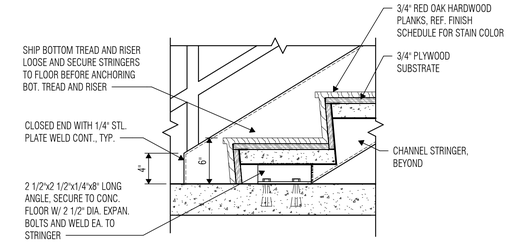
3 TYPICAL GUARDRAIL DETAIL
SCALE: 3/4" = 1'-0"



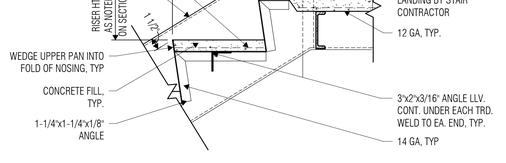
4 STAIR DETAIL- FLOOR SLAB Copy 1
SCALE: 1 1/2" = 1'-0"



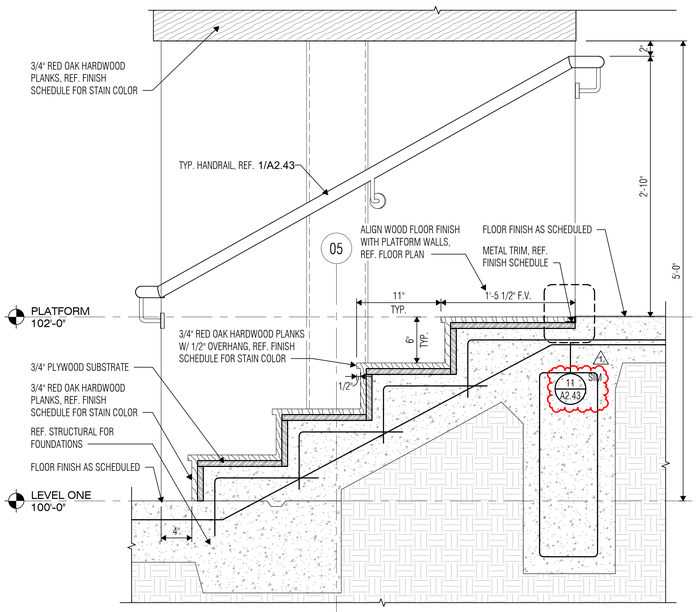
5 STAIR DETAIL- FLOOR SLAB
SCALE: 1 1/2" = 1'-0"



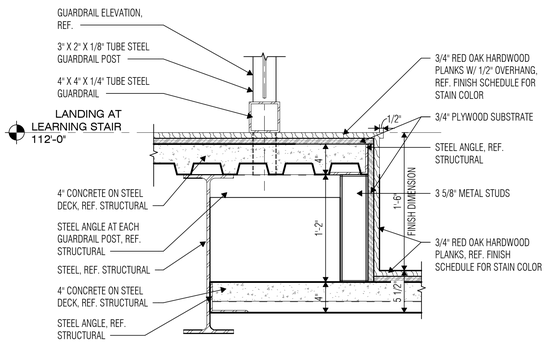
8 WOOD FINISH STAIR DETAIL- FLOOR SLAB
SCALE: 1 1/2" = 1'-0"



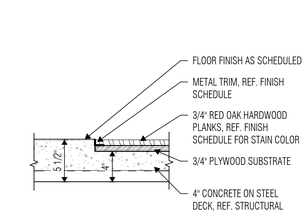
9 STAIR DETAIL - LANDING
SCALE: 1 1/2" = 1'-0"



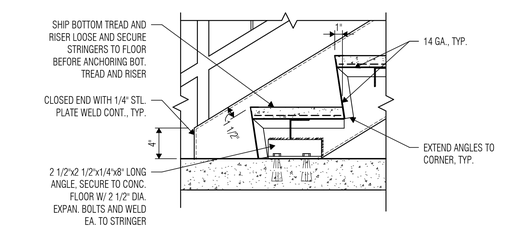
10 DETAIL AT PLATFORM STAIRS
SCALE: 1 1/2" = 1'-0"



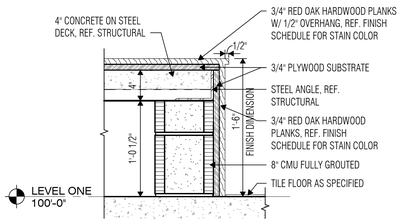
13 WOOD FINISH STAIR DETAIL
SCALE: 1 1/2" = 1'-0"



11 WOOD FINISH SLAB DETAIL
SCALE: 1 1/2" = 1'-0"



12 STAIR DETAIL - BOTTOM
SCALE: 1 1/2" = 1'-0"



14 WOOD FINISH STAIR DETAIL - BOTTOM
SCALE: 1 1/2" = 1'-0"

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01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director	Charles Johnson
Proj. Arch.	Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
STAIR DETAILS

SHEET NO.
A2.43

New Elementary No. 49

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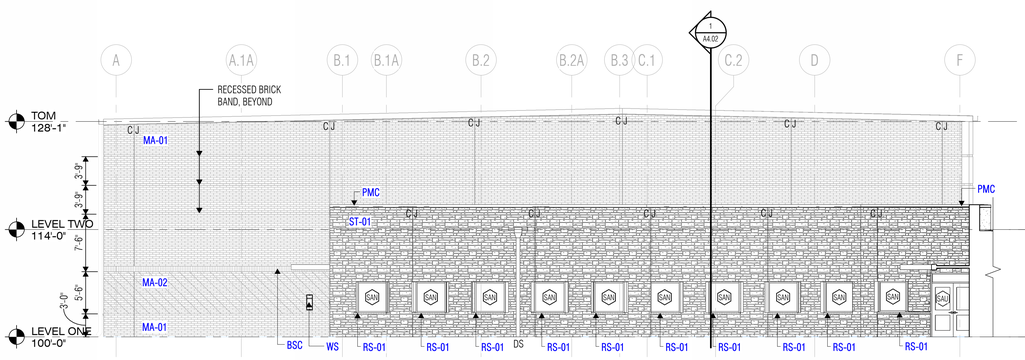
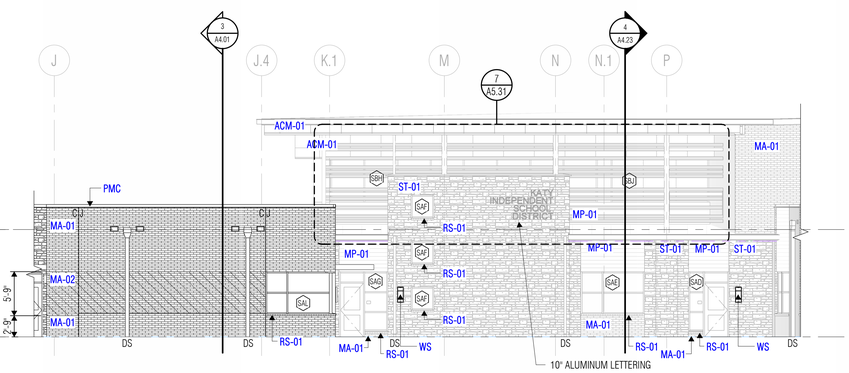


1 SOUTHEAST PARTIAL ELEVATION-UNIT A2
SCALE: 1/8" = 1'-0"



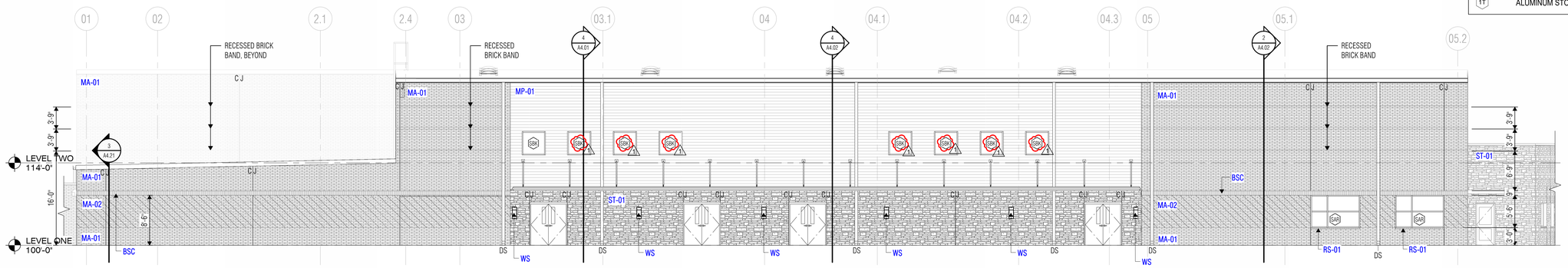
2 SOUTHEAST PARTIAL ELEVATION-UNIT 'B'
SCALE: 1/8" = 1'-0"

EXTERIOR ELEVATION NOTES

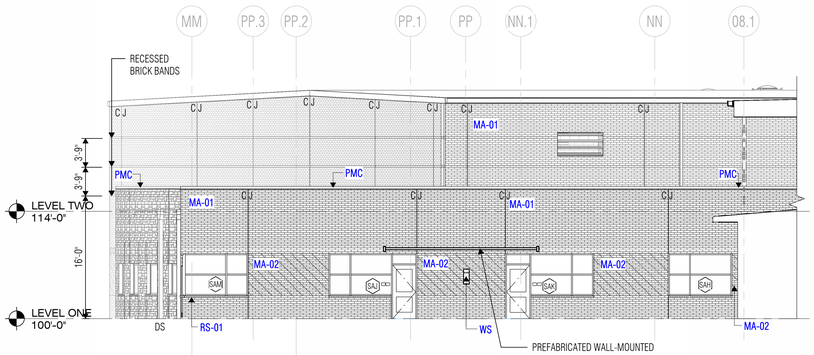
1. Refer to Sheet A3.11 for Typical Control Joint and Building Expansion Joint Details.
2. Based on the applicable design criteria, submit the proposed pattern of control joints in masonry veneer, CMU and stucco/cement plaster to the Architect for review and approval prior to construction.
3. Verify mounting heights of all Electrical and Mechanical items on the exterior of the building prior to construction, whether specifically indicated on the Exterior Elevations or not.
4. Install cast stone in accordance with the recommendations of the Cast Stone Institute, unless specifically noted or detailed otherwise.
5. Refer to Sheet A3.11 for Loose Lintel Details. Refer to Structural Drawings for maximum span and bearing requirements.
6. Terminate recessed and projected masonry veneer courses at 4" from intersecting window frames, door frames, sloping roofs, etc., unless noted otherwise.
7. Provide solid bricks for soldier courses and rowlocks at exterior corners (do not miter).

EXT. ELEVATION LEGEND

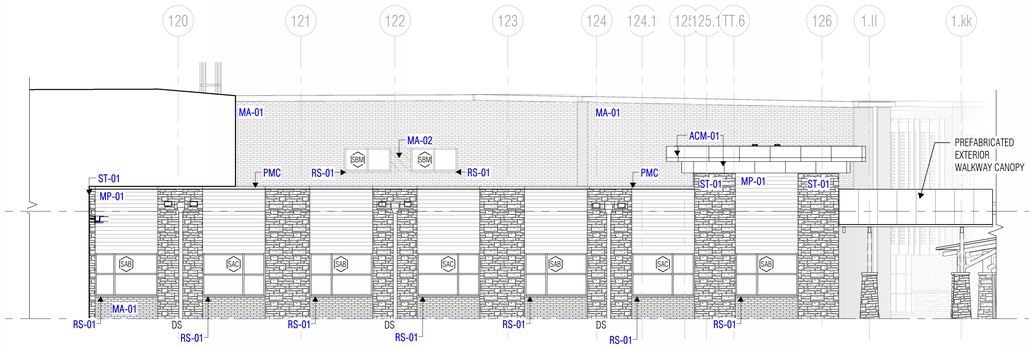
MA-01	BRICK VENEER, FIELD
MA-02	BRICK VENEER, ACCENT
ST-01	STONE MASONRY VENEER
MF-01	MANUFACTURED STONE
MP-01	PREFINISHED METAL PANEL
PMC	PREFINISHED METAL COPING
PMG	PREFINISHED METAL GUTTERS
DS	DOWNSPOUT
DSC	DOWNSPOUT WITH SCUPPER AND COLLECTOR HEAD
CJ	CONTROL JOINT, REF.1/A3.11
EJ	EXPANSION JOINT, REF. 2/A3.11 & 3/A3.11
WS	WALL SCONCE, REF. ELECTRICAL
1T	ALUMINUM STOREFRONT, REF. SHEETS A7.21-A7.22



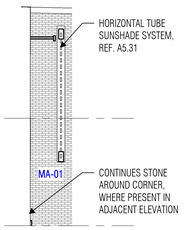
3 SOUTHWEST PARTIAL ELEVATION - UNIT A1/ UNIT A2
SCALE: 1/8" = 1'-0"



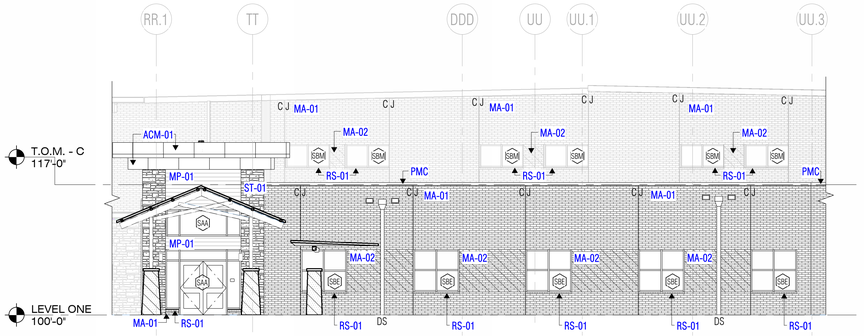
4 NORTHEAST PARTIAL ELEVATION-UNIT B
SCALE: 1/8" = 1'-0"



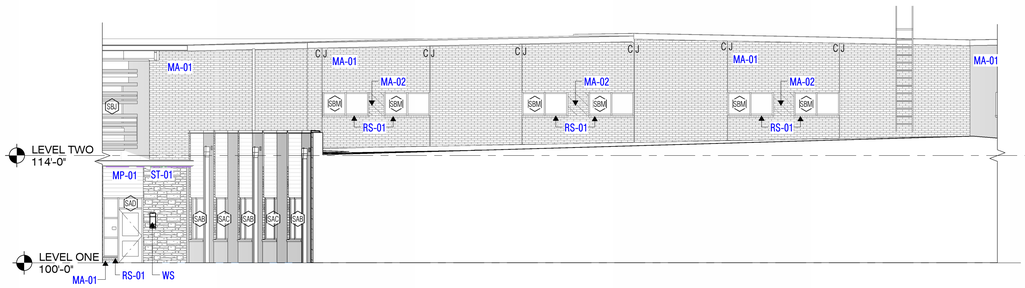
5 SOUTHWEST PARTIAL ELEVATION-UNIT C
SCALE: 1/8" = 1'-0"



6 NOOK ELEVATION TYP.
SCALE: 1/8" = 1'-0"



7 SOUTHEAST PARTIAL ELEVATION- UNIT C ENTRY
SCALE: 1/8" = 1'-0"



8 SOUTHEAST PARTIAL ELEV.-UNIT B LEVEL 2
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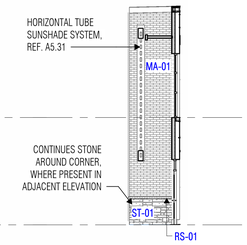

9 NOOK ELEVATION TYP.
SCALE: 1/8" = 1'-0"

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01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NO.
A3.01

New Elementary No. 49

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EXTERIOR ELEVATION NOTES

1. Refer to Sheet A3.11 for Typical Control Joint and Building Expansion Joint Details.
2. Based on the applicable design criteria, submit the proposed pattern of control joints in masonry veneer, CMU and stucco/cement plaster to the Architect for review and approval prior to construction.
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EXT. ELEVATION LEGEND

MA-01	BRICK VENEER, FIELD
MA-02	BRICK VENEER, ACCENT
ST-01	STONE MASONRY VENEER
MF-01	MANUFACTURED STONE
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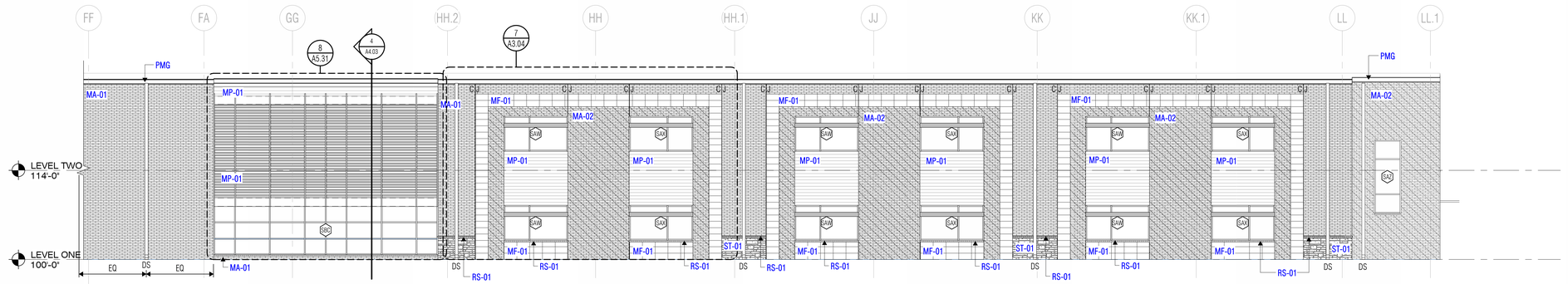
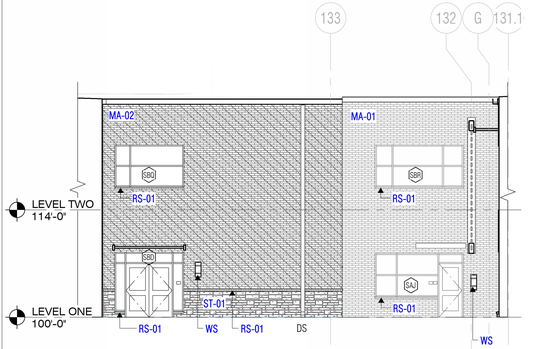
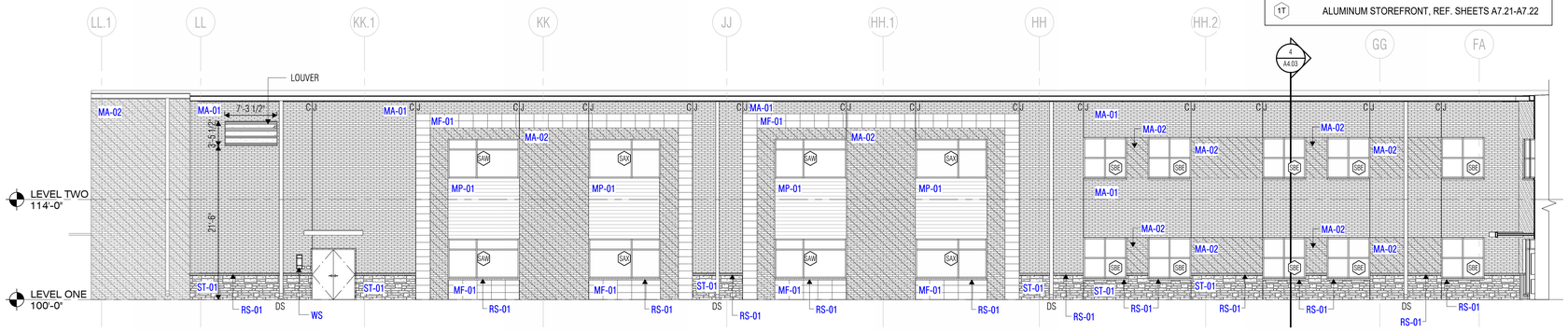
PMC	PREFINISHED METAL COPING
PMG	PREFINISHED METAL GUTTERS
DS	DOWNSPOUT
DSC	DOWNSPOUT WITH SCUPPER AND COLLECTOR HEAD
CJ	CONTROL JOINT, REF.1/A3.11
EJ	EXPANSION JOINT, REF. 2/A3.11 & 3/A3.11
WS	WALL SCONCE, REF. ELECTRICAL
1T	ALUMINUM STOREFRONT, REF. SHEETS A7.21-A7.22



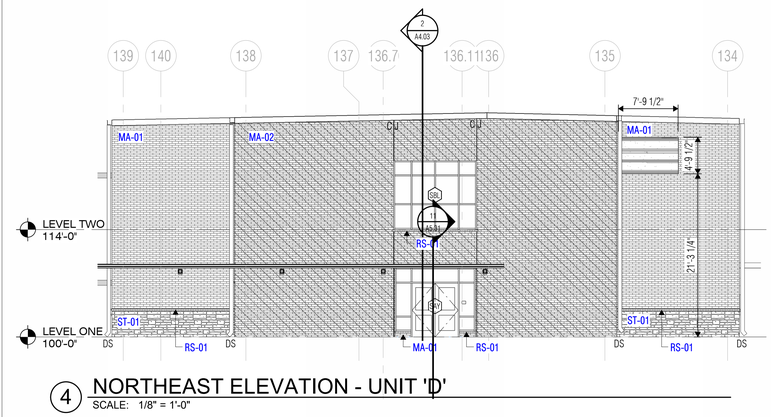
1 SOUTHEAST PARTIAL ELEVATION - UNIT 'D'
SCALE: 1/8" = 1'-0"



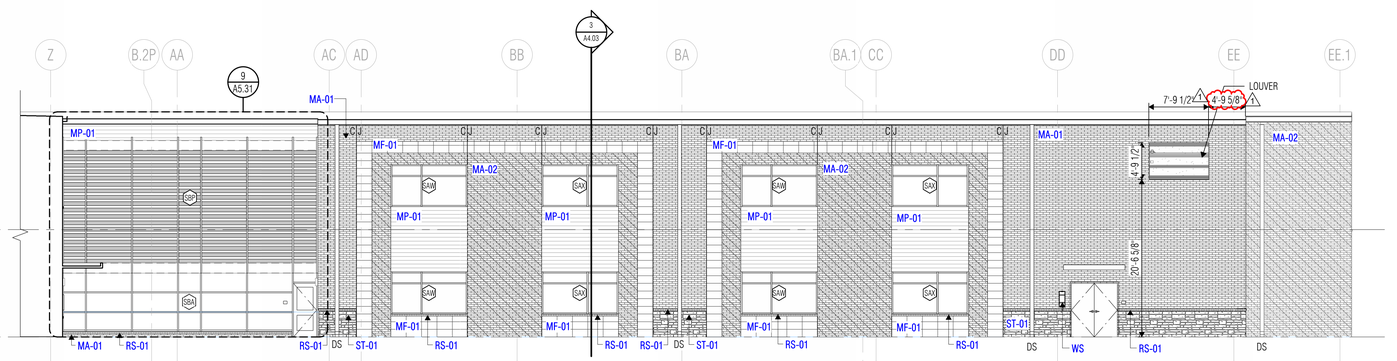
2 NORTHEAST PARTIAL ELEVATION-UNIT 'E'
SCALE: 1/8" = 1'-0"



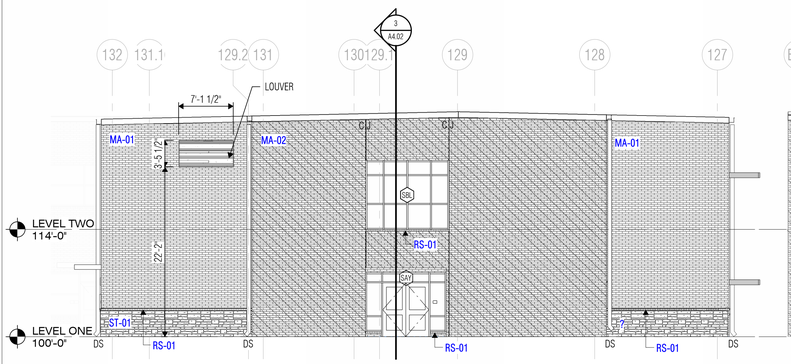
3 NORTHEAST ELEVATION-UNIT 'D'
SCALE: 1/8" = 1'-0"



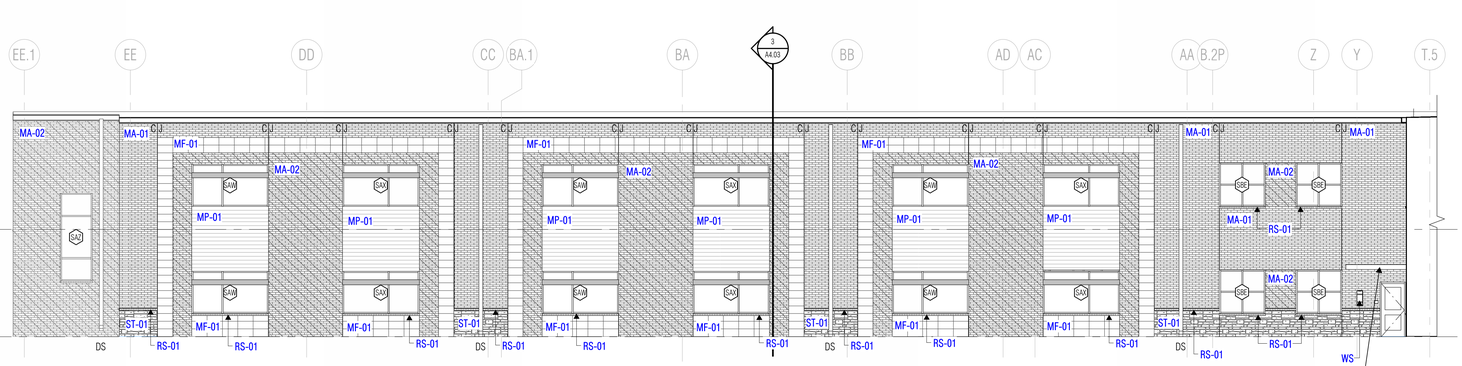
4 NORTHEAST ELEVATION - UNIT 'D'
SCALE: 1/8" = 1'-0"



5 SOUTHWEST PARTIAL ELEVATION - UNIT 'E'
SCALE: 1/8" = 1'-0"



6 NORTHEAST PARTIAL ELEVATION- UNIT 'E'
SCALE: 1/8" = 1'-0"



7 NORTHWEST PARTIAL ELEVATION- UNIT 'E'
SCALE: 1/8" = 1'-0"

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01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NO.
A3.02

New Elementary No. 49

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EXTERIOR ELEVATION NOTES

1. Refer to Sheet A3.11 for Typical Control Joint and Building Expansion Joint Details.
2. Based on the applicable design criteria, submit the proposed pattern of control joints in masonry veneer, CMU and stucco/cement plaster to the Architect for review and approval prior to construction.
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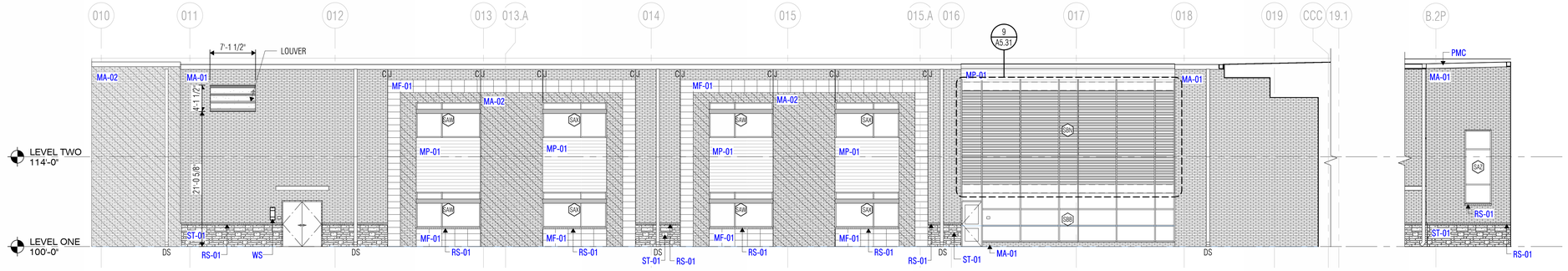
7. Provide solid bricks for soldier courses and rowlocks at exterior corners (do not miter).

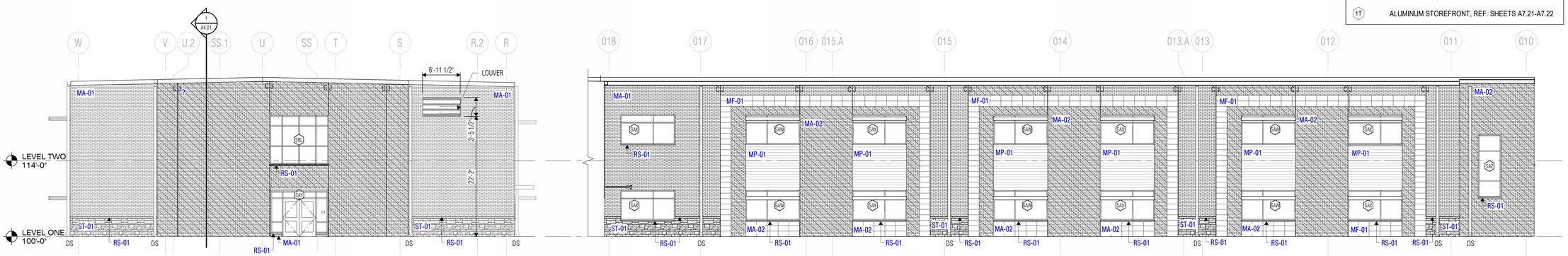
EXT. ELEVATION LEGEND

MA-01	BRICK VENEER, FIELD
MA-02	BRICK VENEER, ACCENT
ST-01	STONE MASONRY VENEER
MF-01	MANUFACTURED STONE
MP-01	PREFINISHED METAL PANEL
PMC	PREFINISHED METAL COPING
PMG	PREFINISHED METAL GUTTERS
DS	DOWNSPOUT
DSC	DOWNSPOUT WITH SCUPPER AND COLLECTOR HEAD
CJ	CONTROL JOINT, REF. 1/A3.11
EJ	EXPANSION JOINT, REF. 2/A3.11 & 3/A3.11
WS	WALL SCONCE, REF. ELECTRICAL
1T	ALUMINUM STOREFRONT, REF. SHEETS A7.21-A7.22



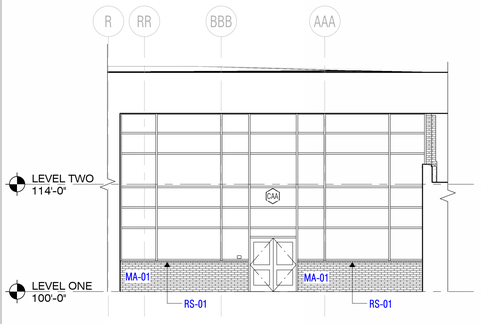
1 SOUTHWEST PARTIAL ELEVATION - UNIT 'F'
SCALE: 1/8" = 1'-0"

9 STAIRWELL - UNIT E
SCALE: 1/8" = 1'-0"

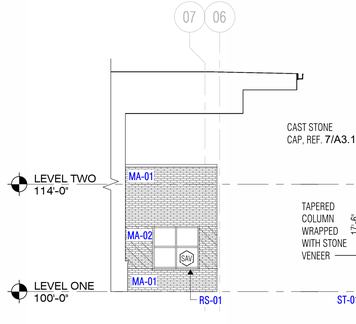


2 NORTHWEST PARTIAL ELEVATION - UNIT 'F'
SCALE: 1/8" = 1'-0"

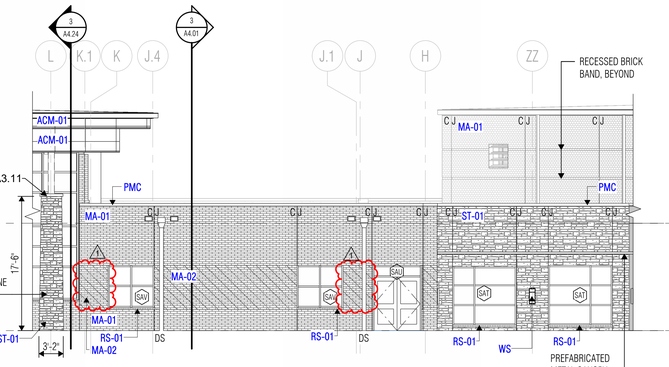
3 NORTHEAST PARTIAL ELEVATION - UNIT F
SCALE: 1/8" = 1'-0"



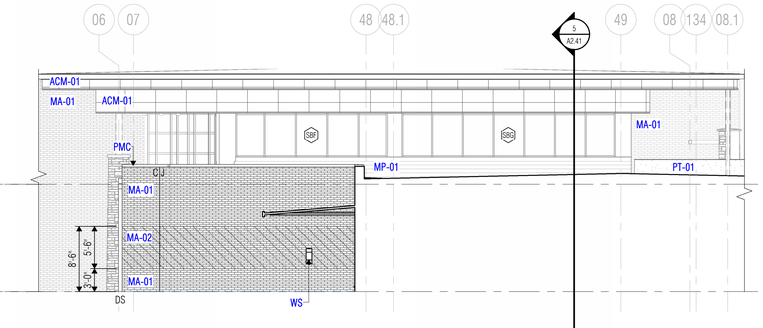
4 NW PARTIAL ELEVATION - UNIT 'B'
SCALE: 1/8" = 1'-0"



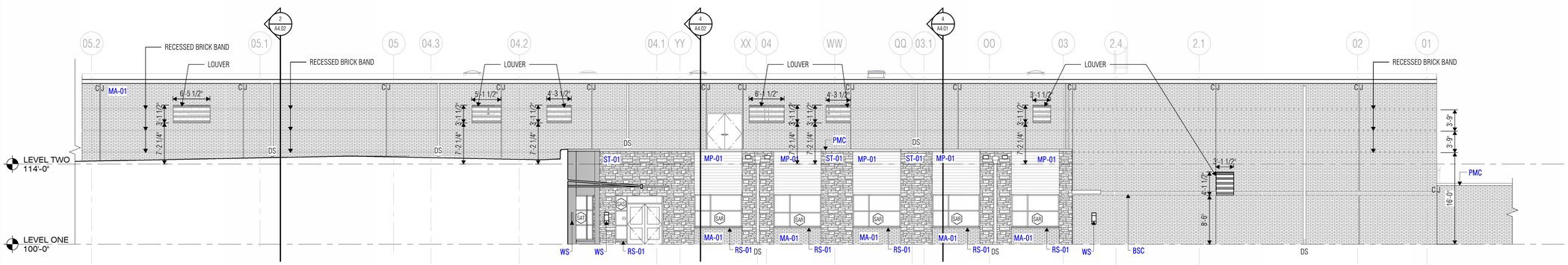
5 PARTIAL ELEVATION - UNIT B
SCALE: 1/8" = 1'-0"



6 NORTHWEST PARTIAL ELEVATION-UNIT 'B'
SCALE: 1/8" = 1'-0"



7 SOUTHWEST PARTIAL ELEVATION-UNIT 'B'
SCALE: 1/8" = 1'-0"



8 NORTHEAST PARTIAL ELEVATION - UNIT A1/ UNIT A2
SCALE: 1/8" = 1'-0"

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KATY ISD
KATY, TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NO.
A3.03

New Elementary No. 49

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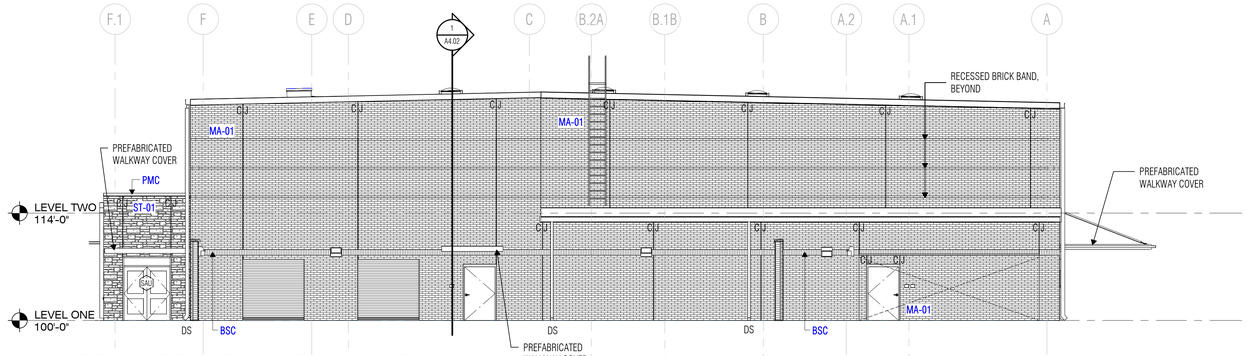
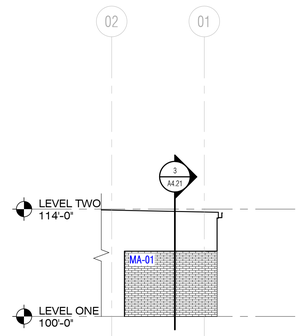


1 NORTH PARTIAL ELEVATION - UNIT A1

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



2 ELEVATION UNIT A1

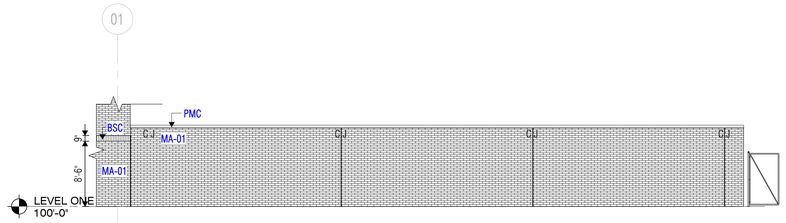
SCALE: 1/8" = 1'-0"

EXTERIOR ELEVATION NOTES

1. Refer to Sheet A3.11 for Typical Control Joint and Building Expansion Joint Details.
2. Based on the applicable design criteria, submit the proposed pattern of control joints in masonry veneer, CMU and stucco/cement plaster to the Architect for review and approval prior to construction.
3. Verify mounting heights of all Electrical and Mechanical items on the exterior of the building prior to construction, whether specifically indicated on the Exterior Elevations or not.
4. Install cast stone in accordance with the recommendations of the Cast Stone Institute, unless specifically noted or detailed otherwise.
5. Refer to Sheet A3.11 for Loose Lintel Details. Refer to Structural Drawings for maximum span and bearing requirements.
6. Terminate recessed and projected masonry veneer courses at 4" from intersecting window frames, door frames, sloping roofs, etc., unless noted otherwise.
7. Provide solid bricks for soldier courses and rowlocks at exterior corners (do not miter).

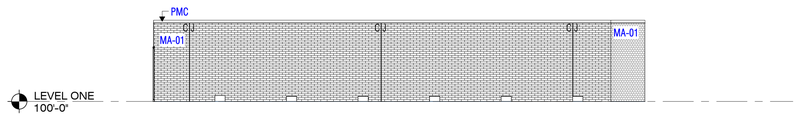
EXT. ELEVATION LEGEND

MA-01	BRICK VENEER, FIELD
MA-02	BRICK VENEER, ACCENT
ST-01	STONE MASONRY VENEER
MF-01	MANUFACTURED STONE
MP-01	PREFINISHED METAL PANEL
PMC	PREFINISHED METAL COPING
PMG	PREFINISHED METAL GUTTERS
DS	DOWNSPOUT
DSC	DOWNSPOUT WITH SCUPPER AND COLLECTOR HEAD
CJ	CONTROL JOINT, REF. 1/A3.11
EJ	EXPANSION JOINT, REF. 2/A3.11 & 3/A3.11
WS	WALL SCONCE, REF. ELECTRICAL
1T	ALUMINUM STOREFRONT, REF. SHEETS A7.21-A7.22



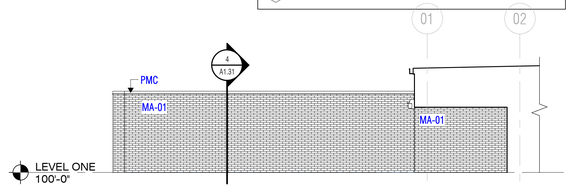
3 ELEVATION @ SERVICE YARD

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



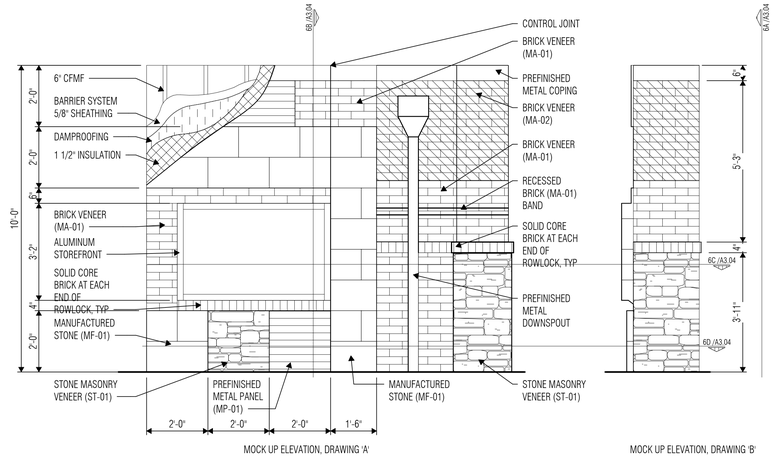
4 ELEVATION @ SERVICE YARD

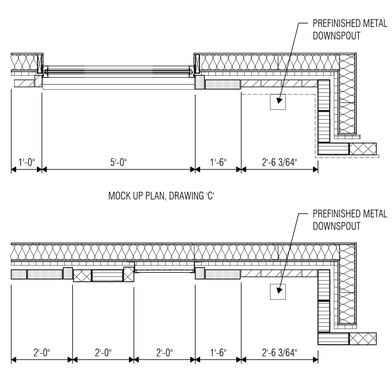
SCALE: 1/8" = 1'-0"



5 ELEVATION @ SERVICE YARD

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





6 MOCK UP DRAWINGS

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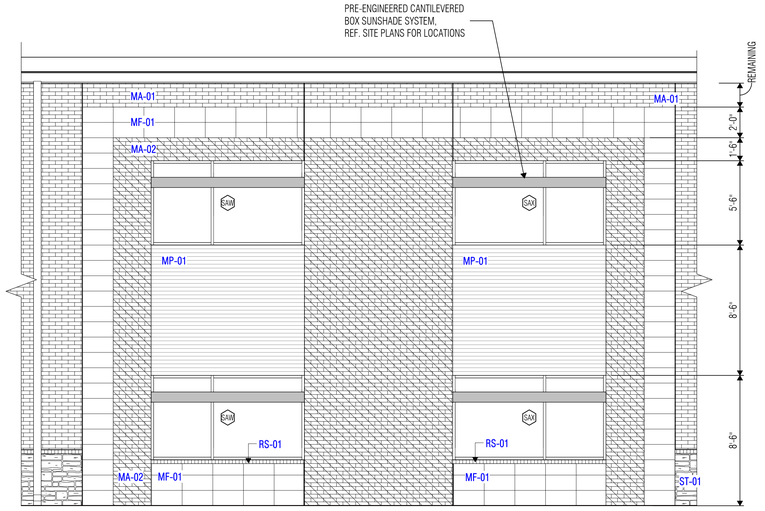

7 ENLARGED CLASSROOM WING ELEVATION

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

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KATY, TEXAS

New Elementary No. 49

REGISTERED ARCHITECT
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01/15/2026

Project Issued: December 9, 2025

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Director Charles Johnson
Proj. Arch. Casey Palmer

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24-102.00

SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NO.
A3.04

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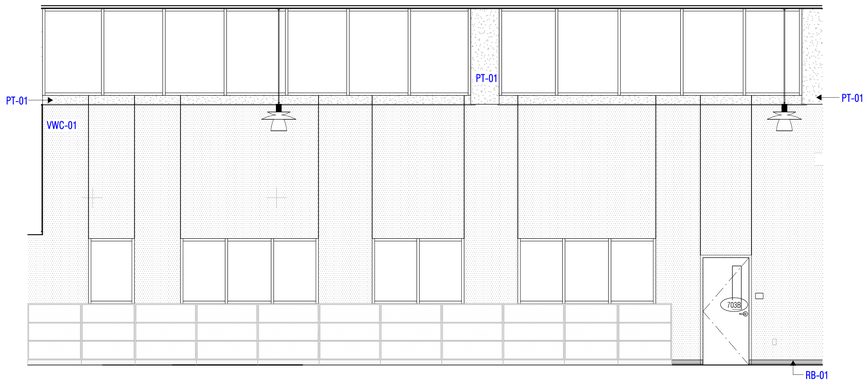
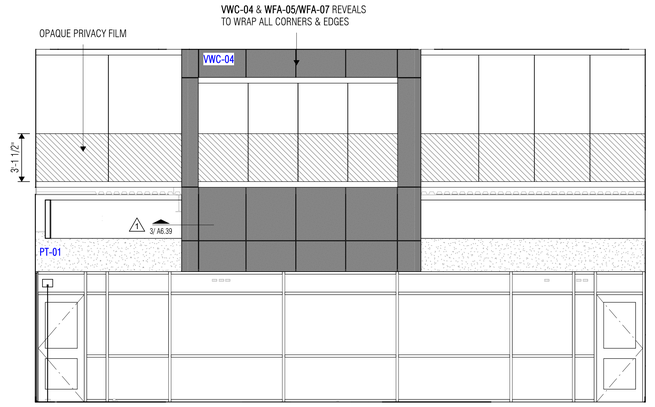
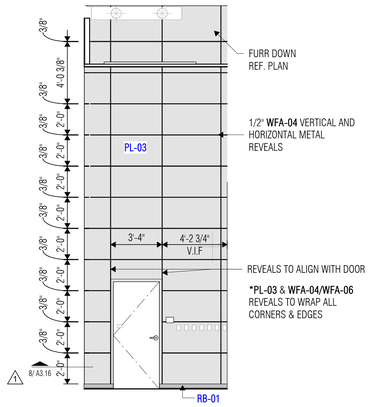
1 MEDIA CENTER -SOUTH
SCALE: 1/4" = 1'-0"



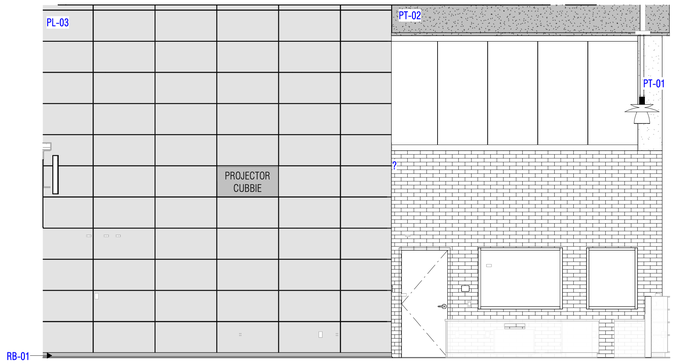
2 MEDIA CENTER - WEST
SCALE: 1/4" = 1'-0"



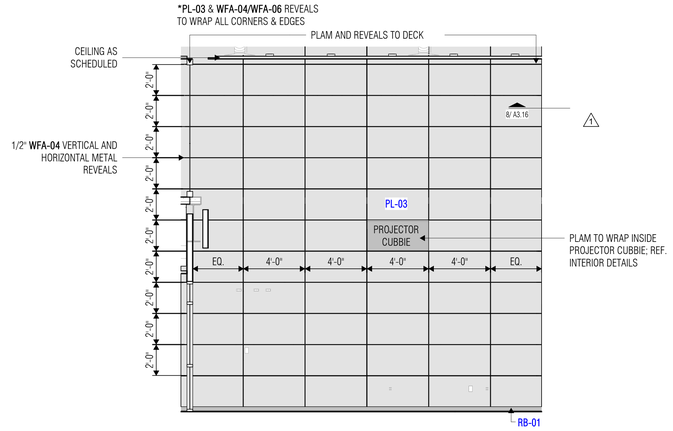
3 MEDIA CENTER - EAST
SCALE: 1/4" = 1'-0"



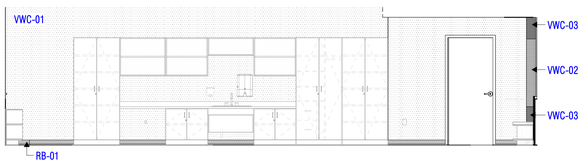
4 A/V ROOM - WEST
SCALE: 1/4" = 1'-0"



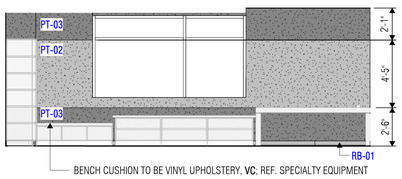
5 MEDIA CENTER - SOUTHEAST
SCALE: 1/4" = 1'-0"



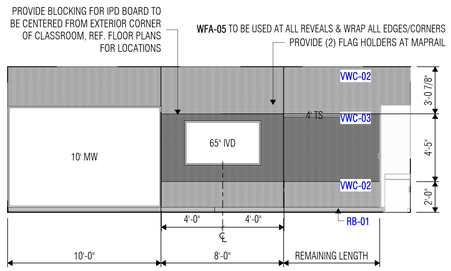
6 A/V ROOM - NORTH
SCALE: 1/4" = 1'-0"



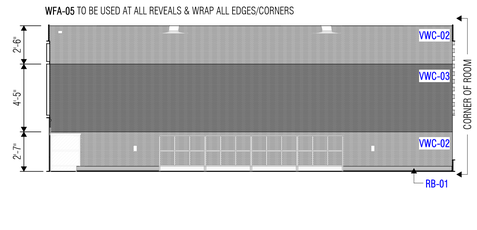
7 TYP. VWC CASEWORK WALL AT CLASSROOM
SCALE: 1/4" = 1'-0"



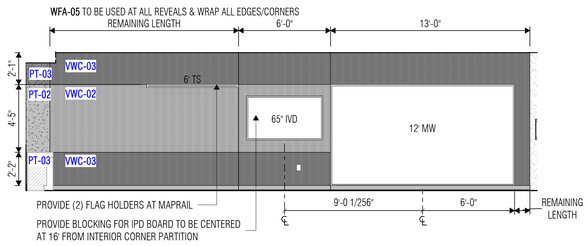
8 TYP. PAINTED WALL AT CLASSROOM
SCALE: 1/4" = 1'-0"



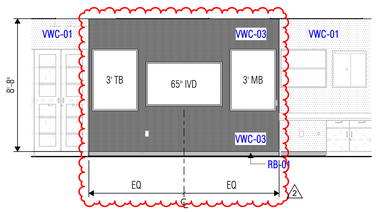
9 TYP. VWC WALL AT ACTIVITY CENTER
SCALE: 1/4" = 1'-0"



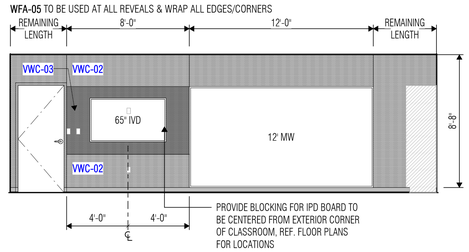
10 TYP. CUBBIE WALL AT ACTIVITY CENTER
SCALE: 1/4" = 1'-0"



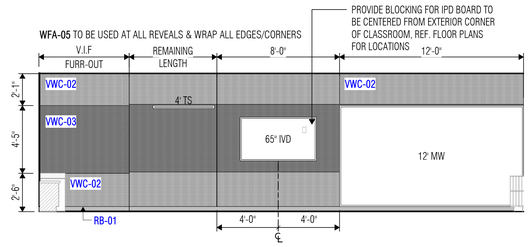
11 VWC TEACHING WALL AT CLASSROOM WITH FURR OUT 2
SCALE: 1/4" = 1'-0"



12 SCIENCE - NORTH ELEV.
SCALE: 1/4" = 1'-0"



13 TEACHING WALL ELEVATION - RM 801
SCALE: 1/4" = 1'-0"



14 VWC TEACHING WALL AT CLASSROOM WITH FURR OUT
SCALE: 1/4" = 1'-0"

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01/15/2026

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Director Charles Johnson
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SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO.
A3.14

New Elementary No. 49

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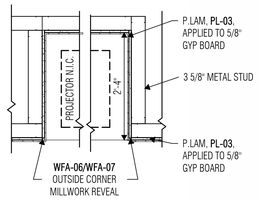
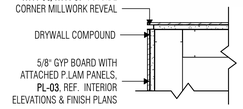
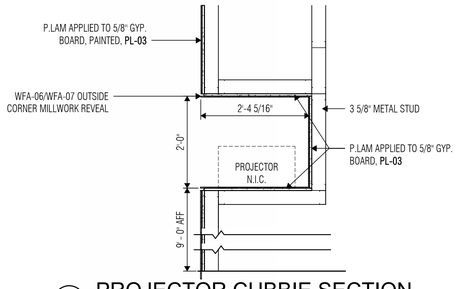


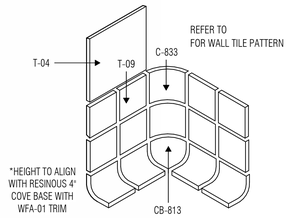
1 PROJECTOR CUBBIE CORNER DETAIL
SCALE: 3/4" = 1'-0"



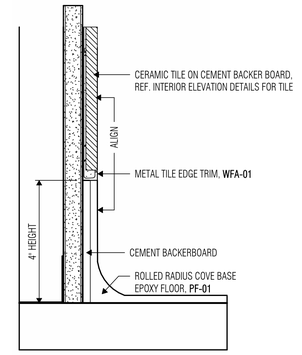
2 MEDIA CENTER - ACCENT WALL DETAIL
SCALE: 1 1/2" = 1'-0"



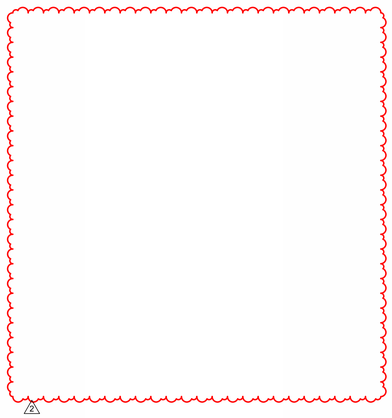
3 PROJECTOR CUBBIE SECTION
SCALE: 3/4" = 1'-0"

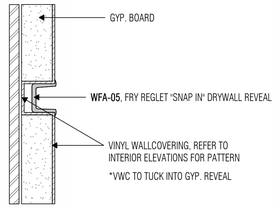


4 TILE BASE DETAIL
SCALE: 3" = 1'-0"

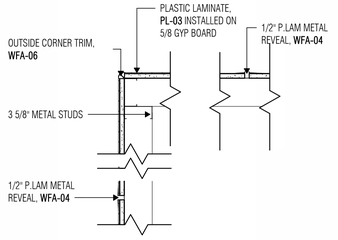


5 EPOXY COVE BASE DETAIL
SCALE: 6" = 1'-0"

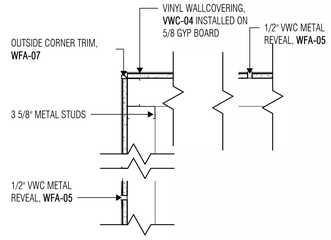




7 TEACHING WALL REVEAL
SCALE: 12" = 1'-0"



8 P.LAM REVEAL WALL DETAIL (PL-03)
SCALE: 1 1/2" = 1'-0"



9 VWC REVEAL WALL DETAIL (VWC-04)
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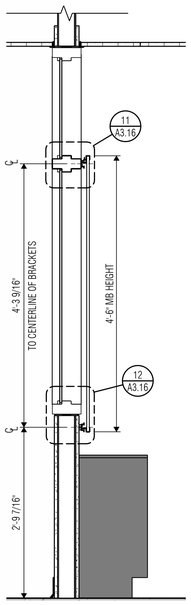
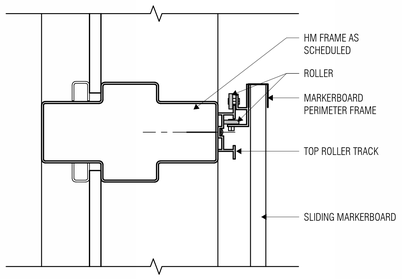


10 SLIDING MB SECTION TYP
SCALE: 1" = 1'-0"



11 SLIDING MB TOP TRACK
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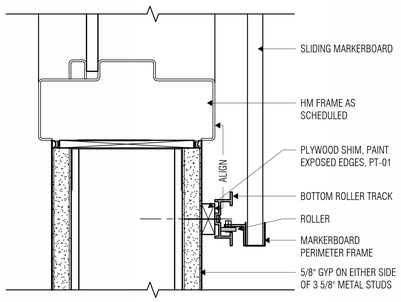
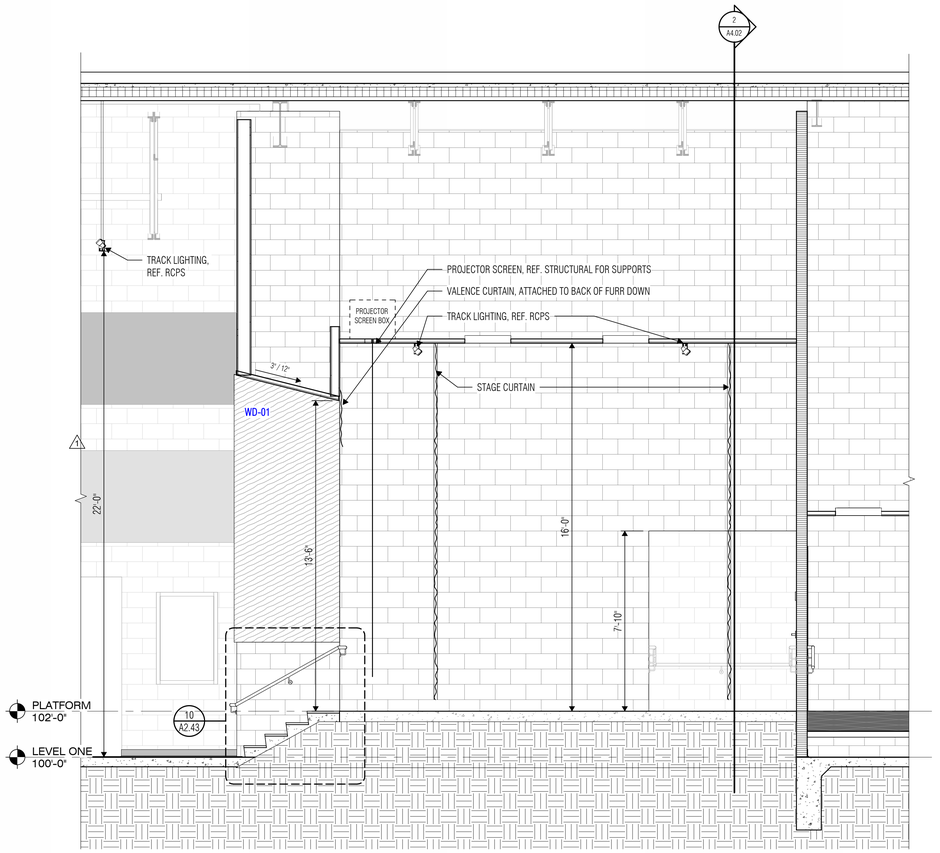


12 SLIDING MB BOTTOM TRACK
SCALE: 6" = 1'-0"



13 SECTION AT STAGE
SCALE: 3/8" = 1'-0"

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Proj. Arch. Casey Palmer

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24-102.00

SHEET TITLE
INTERIOR ELEVATION DETAILS

SHEET NO.
A3.16

New Elementary No. 49

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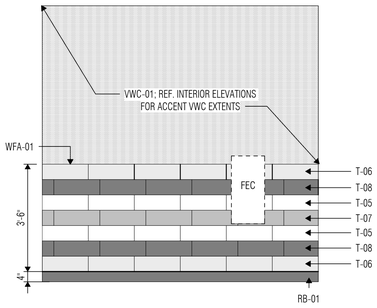
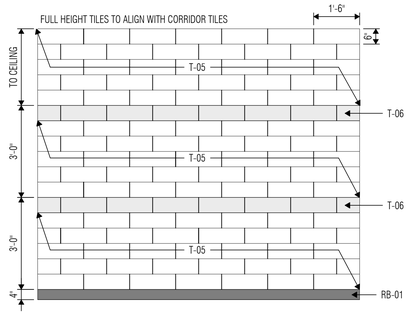
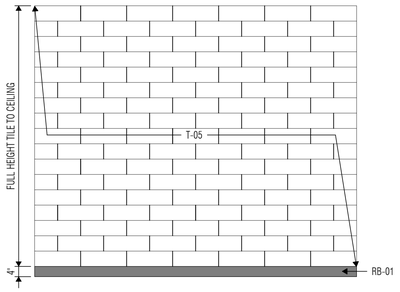


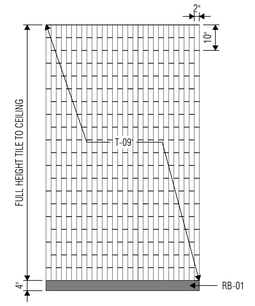
1 WAINSCOT TILE PATTERN (WTP-01)
SCALE: 1/2" = 1'-0"



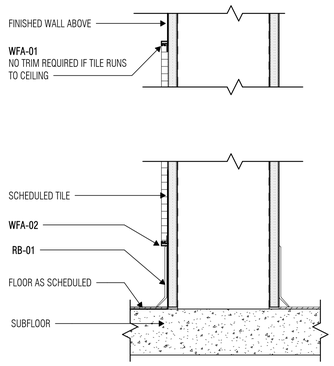
3 GROUP RESTROOM WALL TILE (WTP-02)
SCALE: 1/2" = 1'-0"



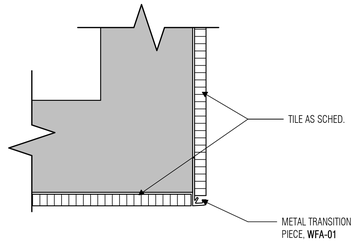
2 SINGLE RESTROOM WALL TILE (WTP-03)
SCALE: 1/2" = 1'-0"



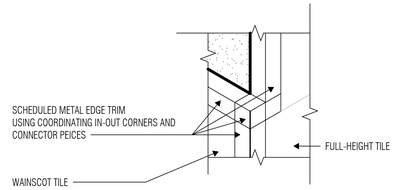
4 DRINKING FOUNTAIN WALL TILE
SCALE: 1/2" = 1'-0"



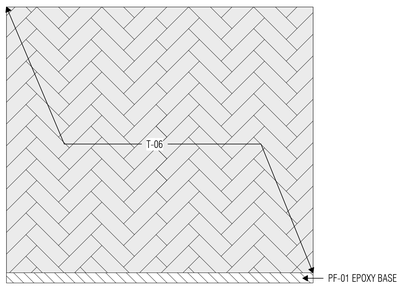
5 WALL TILE TO RUBBER BASE
SCALE: 3" = 1'-0"



6 PLAN DETAIL AT TILE TO OUTSIDE CORNER
SCALE: 6" = 1'-0"



7 TRIM DETAIL AT HALF HEIGHT & FULL HEIGHT WALL TILE
SCALE: 6" = 1'-0"



8 GROUP RESTROOM ACCENT WALL @ GYM (WTP-04)
SCALE: 1/2" = 1'-0"

1

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A3.17

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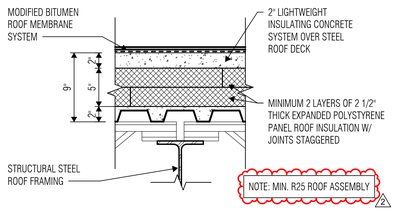
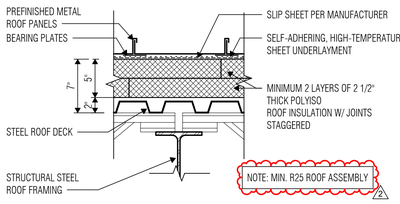
CLADDING | BACKUP | CLIMATE ZONE | MARK
BMS-31

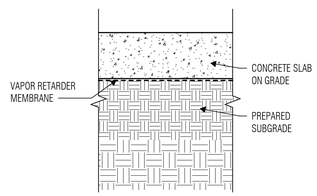


MBS-21 MODIFIED BITUMEN ROOF SYSTEM ON LIGHTWEIGHT INSULATING CONCRETE OVER VENTED STEEL DECK

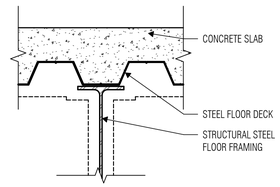


MRS-21 METAL PANEL ROOF SYSTEM ON STEEL DECK

1 ROOF ASSEMBLIES
SCALE: 1 1/2" = 1'-0"



CSG-01 CONCRETE SLAB ON GRADE

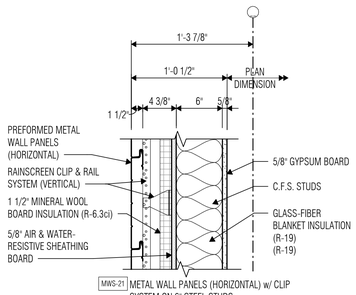


CSS-01 CONCRETE SLAB ON STEEL DECK & FRAMING

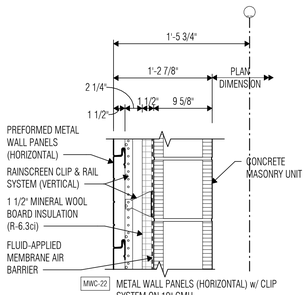
3 FLOOR ASSEMBLIES
SCALE: 1 1/2" = 1'-0"

BUILDING ASSEMBLY LEGEND MASTER LIST

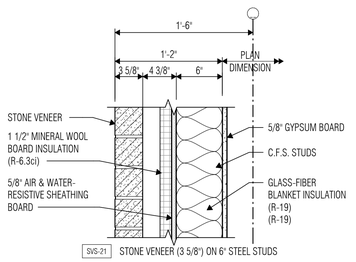
TYPE MARK	DESCRIPTION
Floor	
CSG-01	Concrete Slab on Grade
CSS-01	Concrete Slab on Steel Deck & Framing
Wall	
ACS-21	ACM Wall Panel on 6" Steel Studs
BKC-20	Brick Veneer (King Size) on 8" CMU
BKC-21	Brick Veneer (King Size) on 8" CMU
BKC-22	Brick Veneer (King Size) on 10" CMU
BKS-21	Brick Veneer (King Size) on 6" Steel Studs
MWC-22	Metal Wall Panel w/ Clip System on 10" CMU
MWS-21	Metal Wall Panel w/ Clip System on 6" Steel Studs
SVC-21	Brick Veneer (King Size) on 8" CMU
SVC-22	Stone Veneer on 10" CMU
SVS-21	Stone Veneer (3 5/8") on 6" Steel Studs
Roof	
MBS-21	Modified Bitumen Roof System on Lightweight Insulating Concrete System on Steel Deck & Framing
MRS-21	Metal Panel Roof System on Steel Deck & Framing



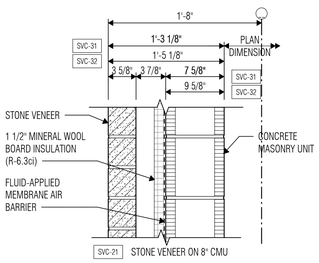
MWS-21 METAL WALL PANELS (HORIZONTAL) w/ CLIP SYSTEM ON 6" STEEL STUDS



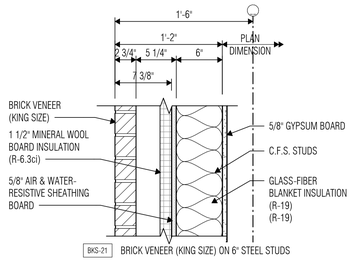
MWC-22 METAL WALL PANELS (HORIZONTAL) w/ CLIP SYSTEM ON 10" CMU



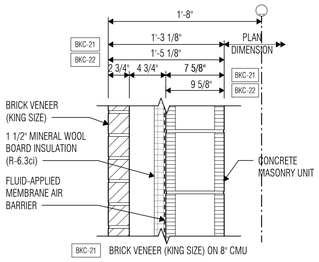
SVS-21 STONE VENEER (3 5/8") ON 6" STEEL STUDS



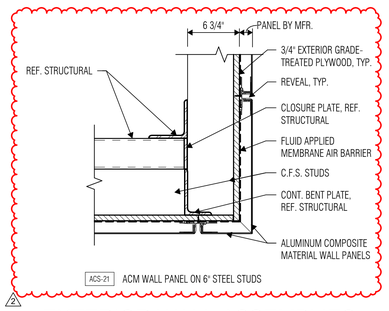
SVC-21 STONE VENEER ON 8" CMU
SVC-22 STONE VENEER ON 10" CMU



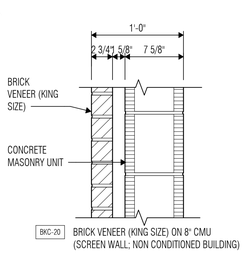
BKS-21 BRICK VENEER (KING SIZE) ON 6" STEEL STUDS



BKC-21 BRICK VENEER (KING SIZE) ON 8" CMU
BKC-22 BRICK VENEER (KING SIZE) ON 10" CMU

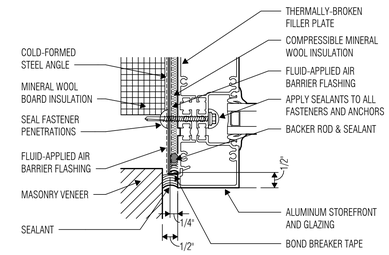


ACS-21 ACM WALL PANEL ON 6" STEEL STUDS

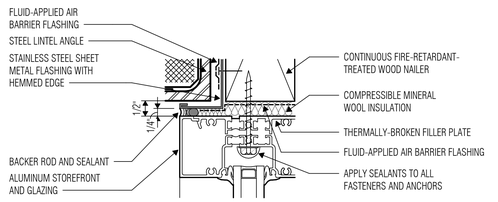


BKC-20 BRICK VENEER (KING SIZE) ON 8" CMU (SCREEN WALL; NON CONDITIONED BUILDING)

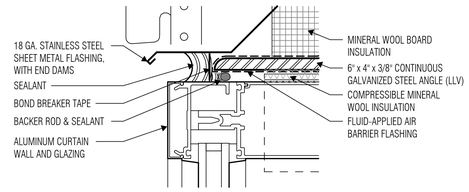
2 EXTERIOR WALL ASSEMBLIES
SCALE: 1 1/2" = 1'-0"



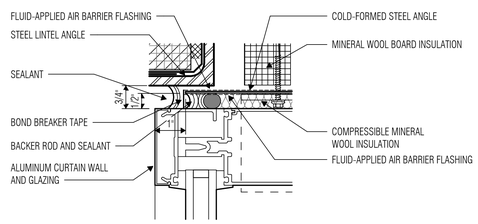
4 DETAIL at STOREFRONT JAMB FLASHING
SCALE: 6" = 1'-0"



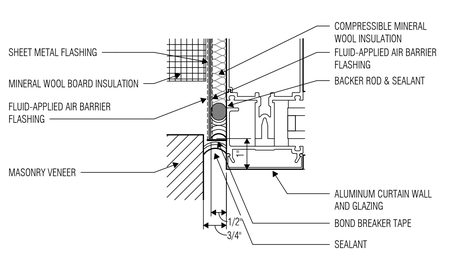
7 DETAIL at STOREFRONT HEAD FLASHING
SCALE: 6" = 1'-0"



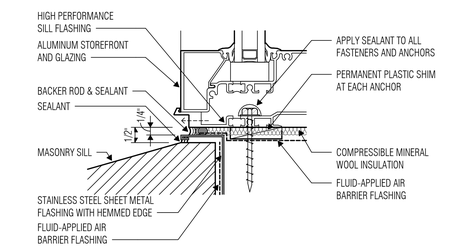
5 CURTAIN WALL HEAD FLASHING AT MWS
SCALE: 6" = 1'-0"



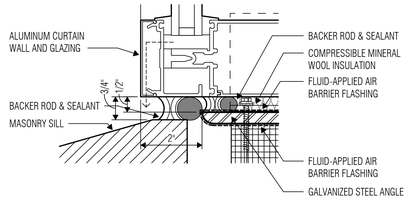
6 CURTAIN WALL HEAD FLASHING AT MASONRY VENEER
SCALE: 6" = 1'-0"



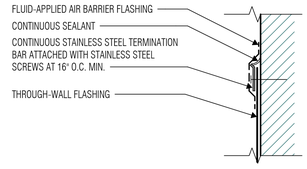
8 DETAIL at CURTAIN WALL JAMB FLASHING
SCALE: 6" = 1'-0"



9 DETAIL at STOREFRONT SILL FLASHING
SCALE: 6" = 1'-0"



10 DETAIL at CURTAIN WALL SILL FLASHING
SCALE: 6" = 1'-0"



11 TERMINATION BAR DETAIL
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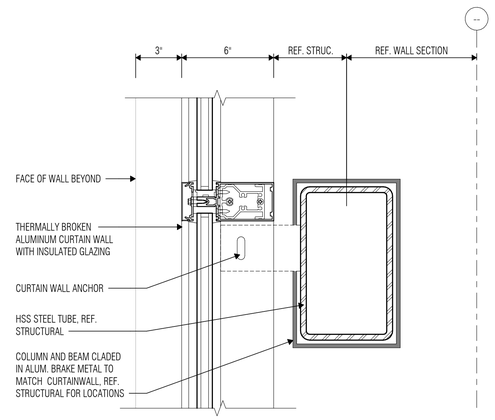

12 CURTAIN WALL INTERMEDIATE ANCHOR
SCALE: 3" = 1'-0"

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KATY ISD
KATY, TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 02	12/18/2025
2 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
BUILDING ASSEMBLY TYPES

SHEET NO.
A4.11

New Elementary No. 49

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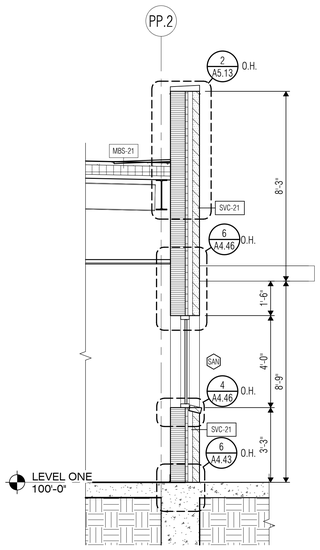
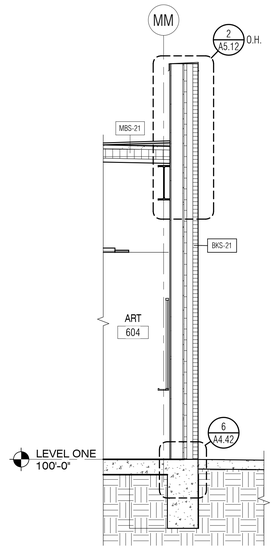


1 WALL SECTION
SCALE: 3/8" = 1'-0"



2 WALL SECTION
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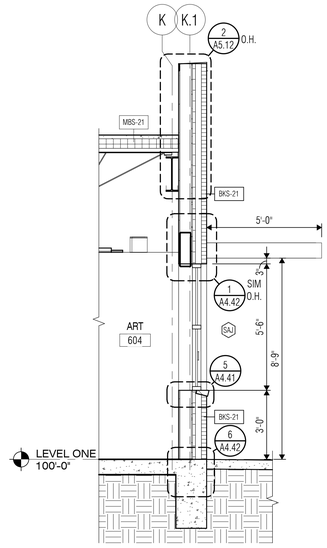
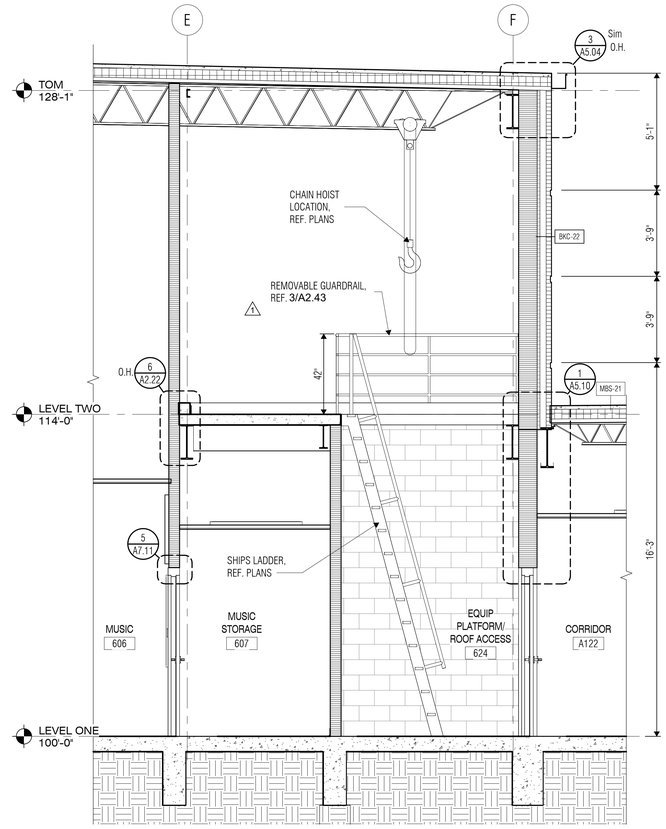


3 WALL SECTION
SCALE: 3/8" = 1'-0"



4 WALL SECTION
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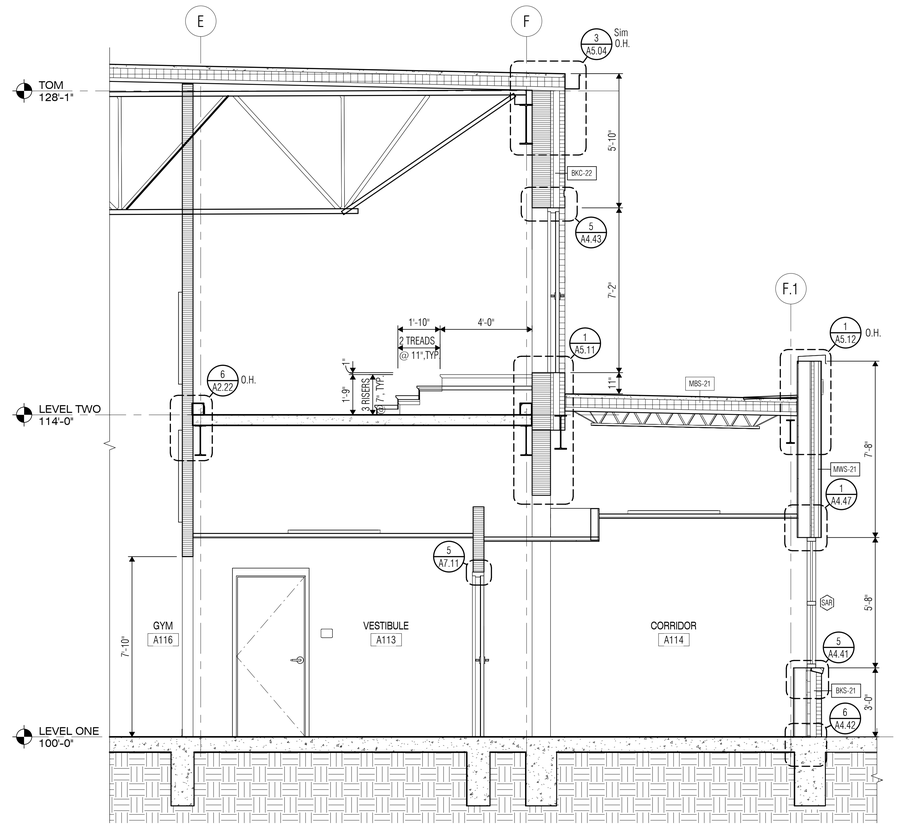

5 WALL SECTION
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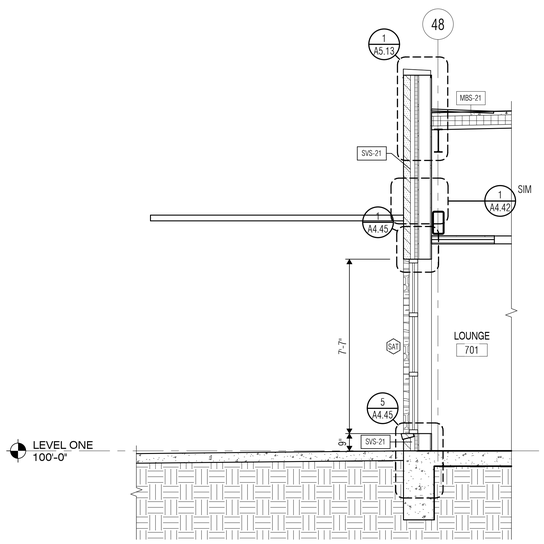
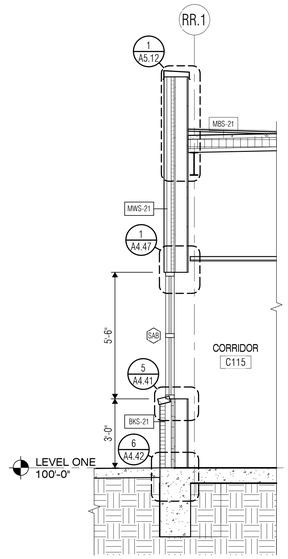


6 WALL SECTION
SCALE: 3/8" = 1'-0"

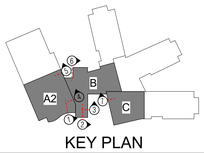


7 WALL SECTION
SCALE: 3/8" = 1'-0"

CLADDING BACKUP CLIMATE ZONE MARK
BMS-31

BUILDING ASSEMBLY LEGEND

TYPE MARK	DESCRIPTION
Floor	
CSG-01	Concrete Slab on Grade
CSS-01	Concrete Slab on Steel Deck & Framing
Wall	
BKC-22	Brick Veneer (King Size) on 10" CMU
BKS-21	Brick Veneer (King Size) on 6" Steel Studs
MWS-21	Metal Wall Panel w/ Clip System on 6" Steel Studs
SVC-21	Brick Veneer (King Size) on 8" CMU
SVS-21	Stone Veneer (3 5/8") on 6" Steel Studs
Roof	
MBS-21	Modified Bitumen Roof System on Lightweight Insulating Concrete System on Steel Deck & Framing



KEY PLAN

VLK

ARCHITECT

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KATY ISD
KATY, TEXAS

STATE OF TEXAS — REGISTERED ARCHITECT — CHARLES W. JOHNSON — 20944

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 02	12/18/2025
2 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
WALL SECTIONS

SHEET NO.
A4.22

New Elementary No. 49

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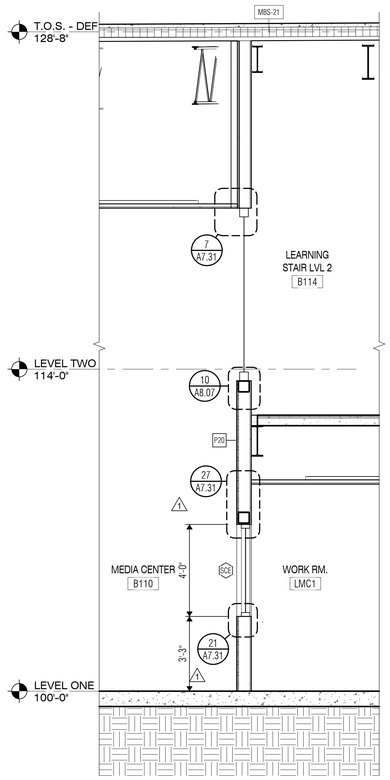
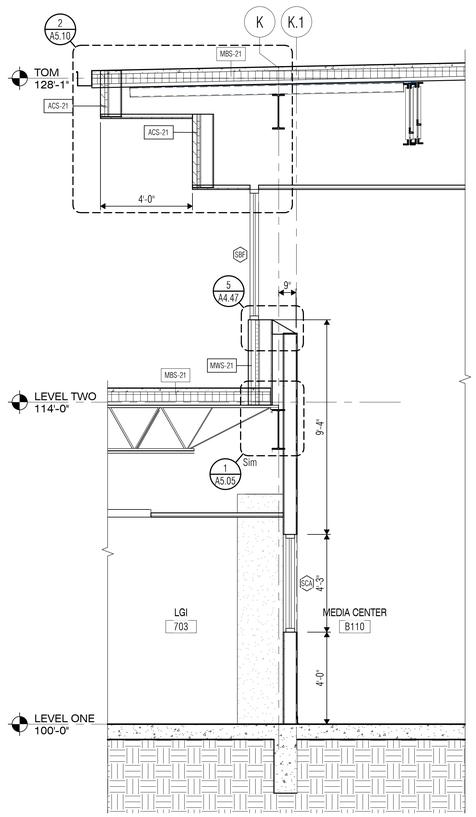
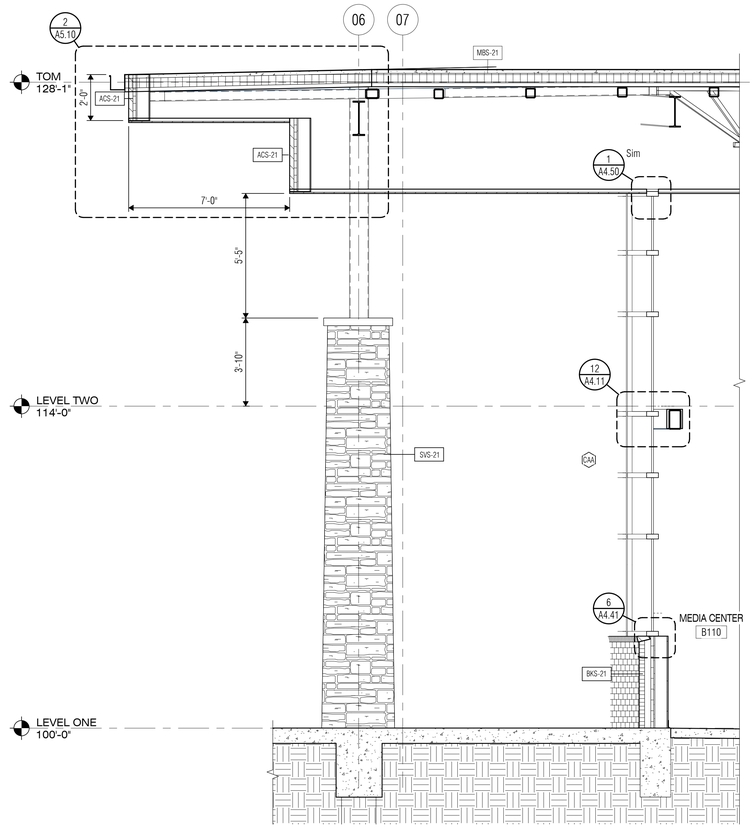


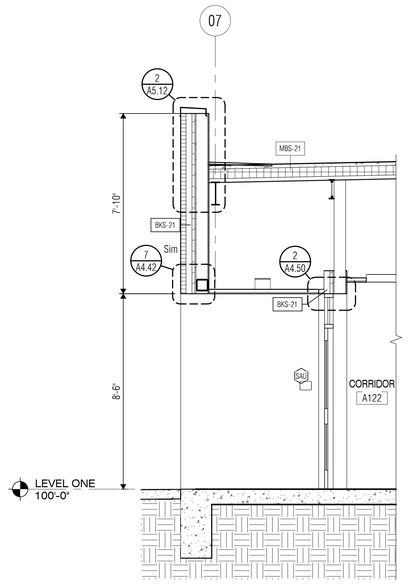
1 WALL SECTION
SCALE: 3/8" = 1'-0"



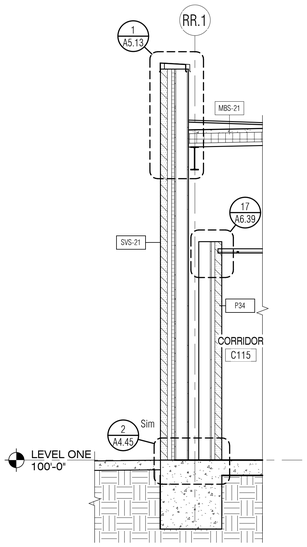
2 WALL SECTION
SCALE: 3/8" = 1'-0"



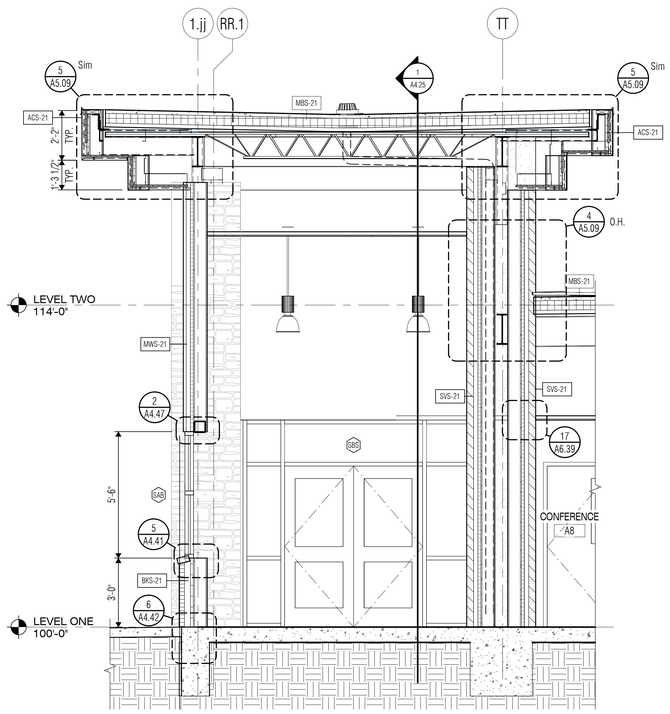
3 WALL SECTION
SCALE: 3/8" = 1'-0"



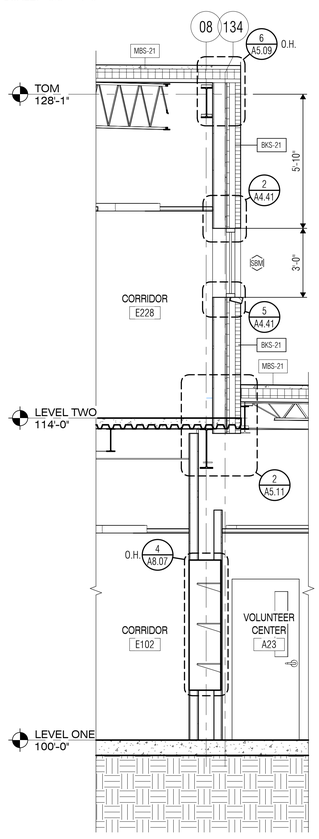
4 WALL SECTION
SCALE: 3/8" = 1'-0"



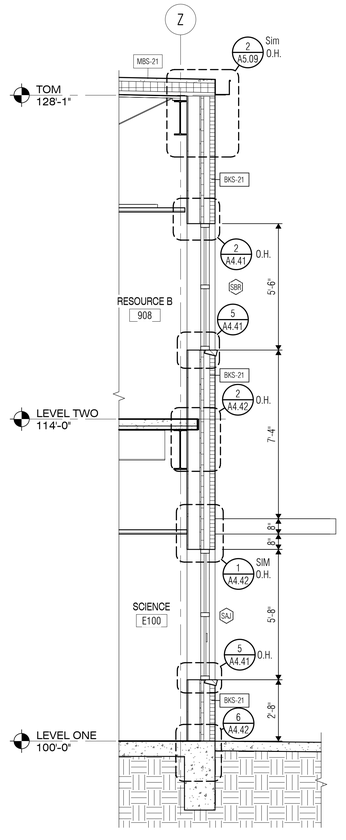
5 WALL SECTION
SCALE: 3/8" = 1'-0"



6 WALL SECTION
SCALE: 3/8" = 1'-0"



7 WALL SECTION
SCALE: 3/8" = 1'-0"



8 WALL SECTION
SCALE: 3/8" = 1'-0"

CLADDING BACKUP CLIMATE ZONE MARK
BMS-31

BUILDING ASSEMBLY LEGEND

TYPE MARK	DESCRIPTION
Floor	
CSG-01	Concrete Slab on Grade
CSS-01	Concrete Slab on Steel Deck & Framing
2 Wall	
ACS-21	ACM Wall Panel on 6" Steel Studs
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Roof	
MBS-21	Modified Bitumen Roof System on Lightweight Insulating Concrete System on Steel Deck & Framing

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REGISTERED ARCHITECT
CHARLES W. JOHNSON
20944
STATE OF TEXAS
01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 02	12/18/2025
2 Addendum 04	01/15/2026

Director	Charles Johnson
Proj. Arch.	Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
WALL SECTIONS

SHEET NO.
A4.24

New Elementary No. 49

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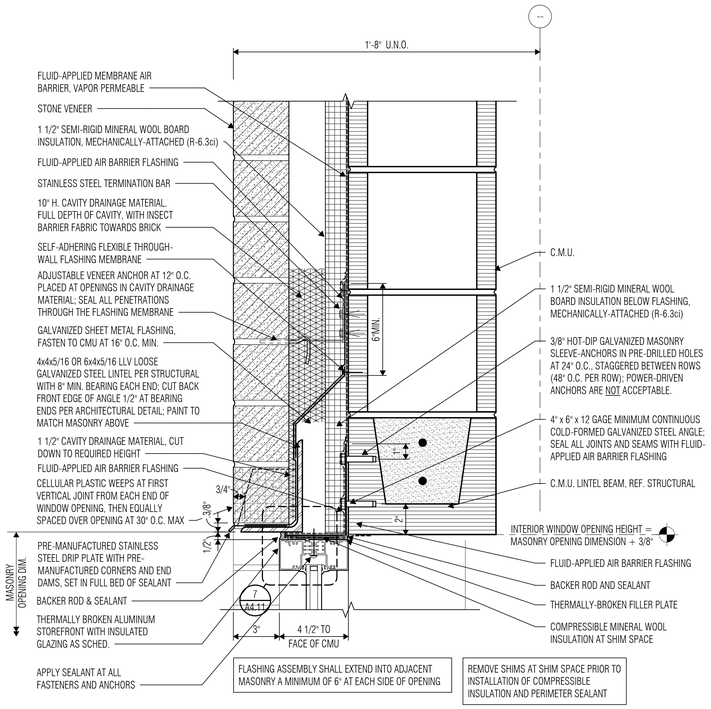
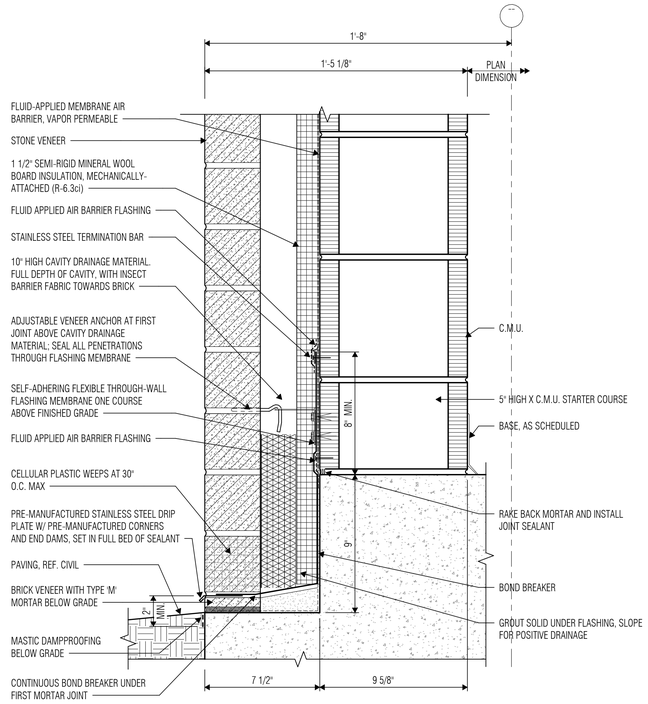
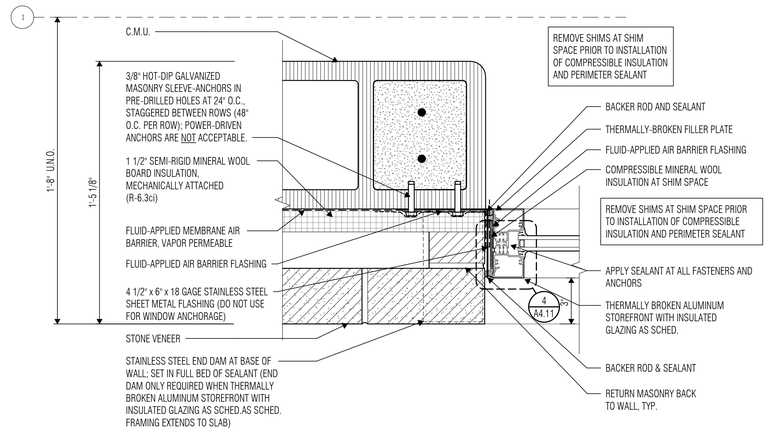


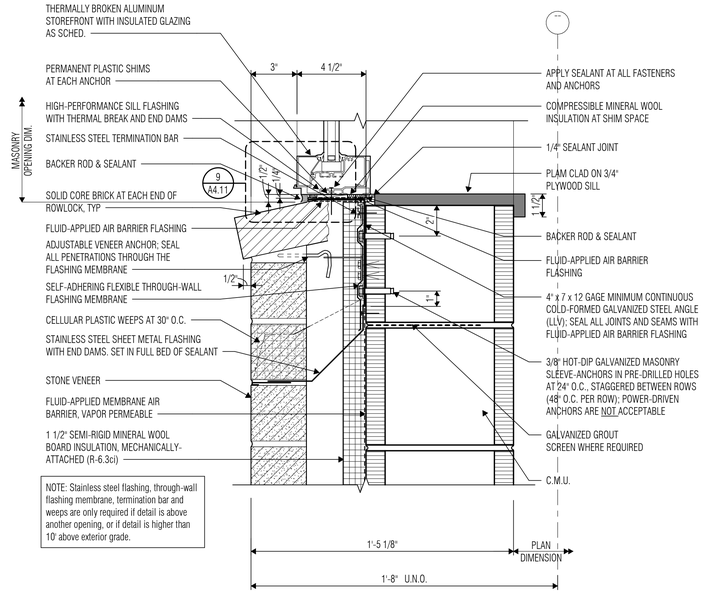
1 SVC WALL AT STOREFRONT HEAD - LOOSE LINTEL
SCALE: 3" = 1'-0"



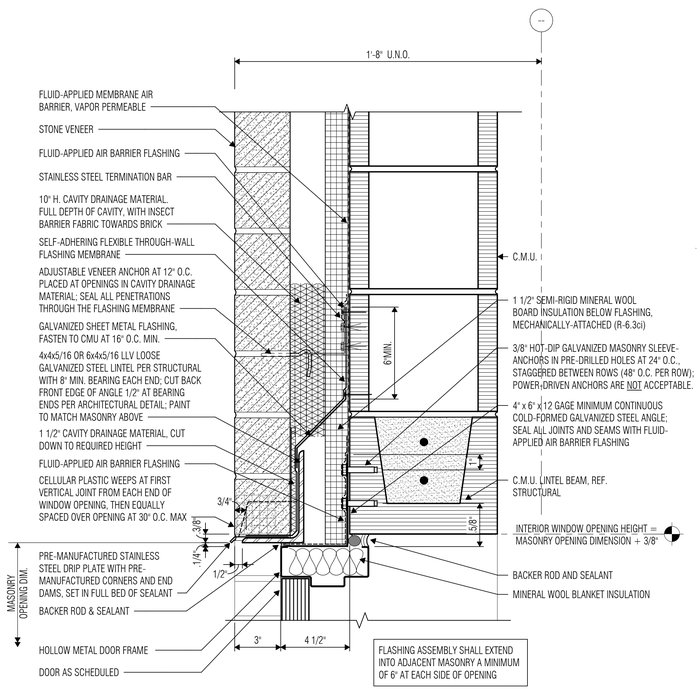
2 SVC WALL AT GRADE
SCALE: 3" = 1'-0"



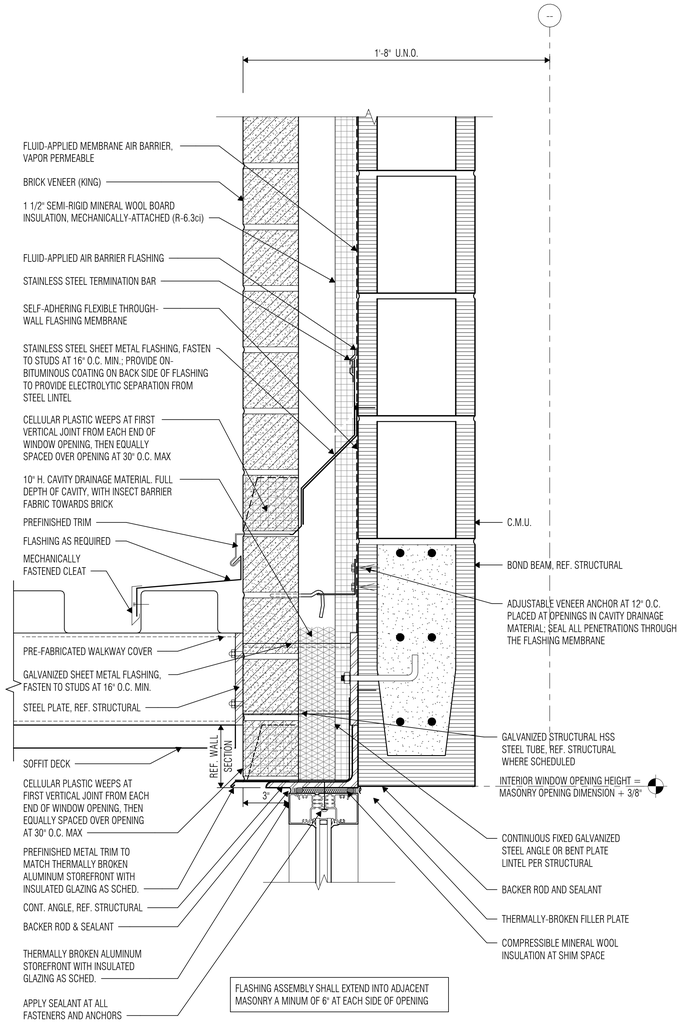
3 SVC WALL AT STOREFRONT JAMB
SCALE: 3" = 1'-0"



4 SVC AT STOREFRONT - FIXED LINTEL
SCALE: 3" = 1'-0"



5 SVC WALL AT HOLLOW METAL FRAME HEAD - LOOSE LINTEL
SCALE: 3" = 1'-0"



6 SVC WALL AT CANOPY CONNECTION DETAIL - STOREFRONT
SCALE: 3" = 1'-0"

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STATE OF TEXAS
01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
BUILDING ASSEMBLY DETAILS - SVC

SHEET NO.
A4.46

New Elementary No. 49

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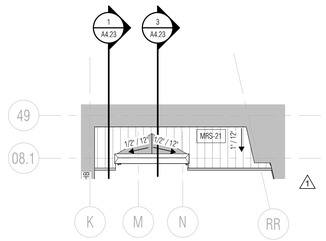
ROOF PLAN NOTES

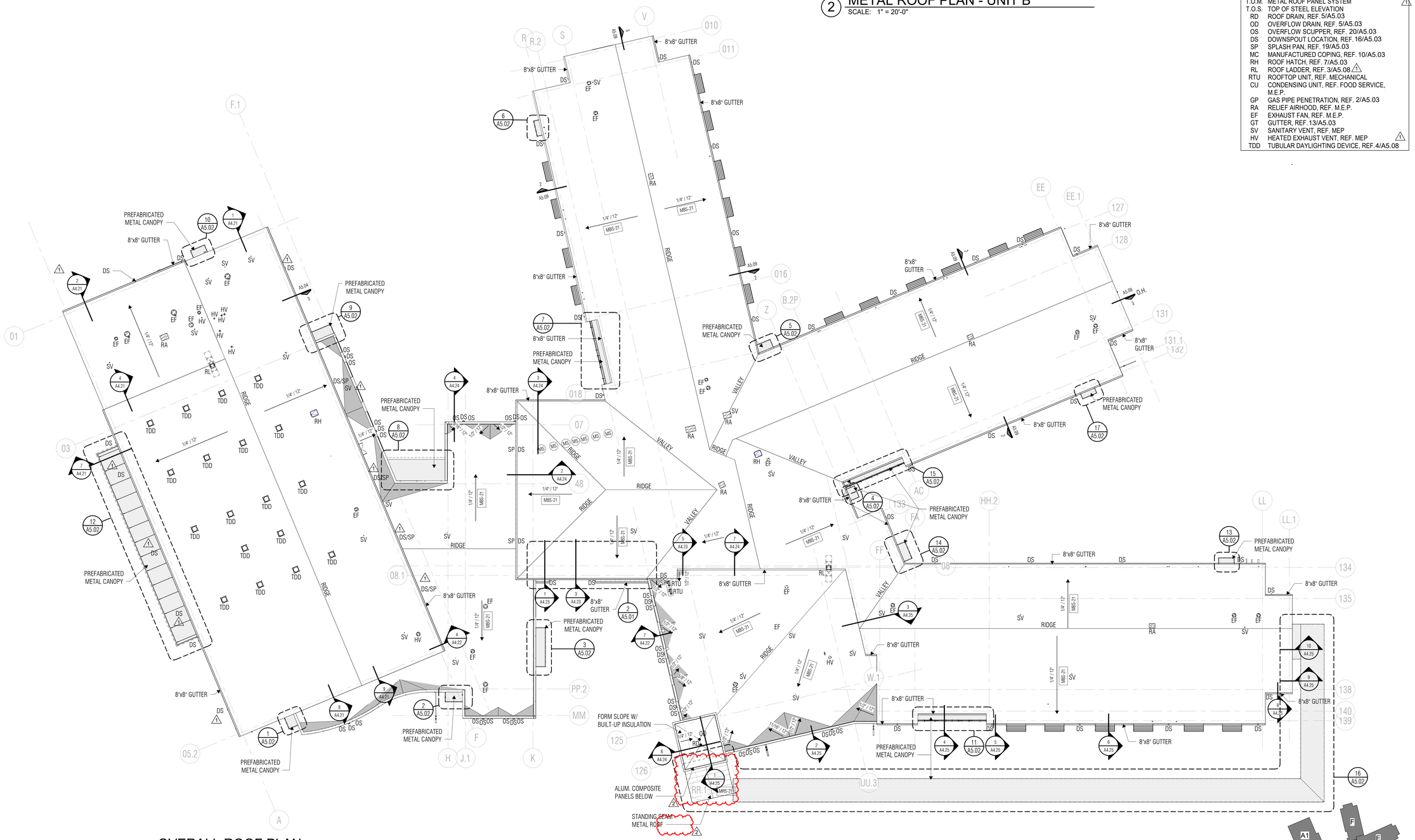
1. Provide tapered insulation crickets at the high side of all rooftop curbs, mounting rails, and other miscellaneous roof penetrations as required to shed water around them and to ensure positive roof drainage, whether indicated on the drawings or not.
2. Crickets shall slope 1/2" per foot, unless noted 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

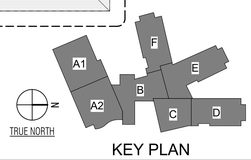
MBS	MODIFIED BITUMEN ROOF SYSTEM, REF. A4.11
MRS	PREFINISHED METAL ROOF PANELS, REF. A4.11
T.O.M.	METAL ROOF PANEL SYSTEM
T.O.S.	TOP OF STEEL ELEVATION
RD	ROOF DRAIN, REF.5/A5.03
OD	OVERFLOW DRAIN, REF. 5/A5.03
OS	OVERFLOW SCUPPER, REF. 20/A5.03
DS	DOWNSPOUT LOCATION, REF. 16/A5.03
SP	SPLASH PAN, REF. 19/A5.03
MC	MANUFACTURED COPING, REF. 10/A5.03
RH	ROOF HATCH, REF. 7/A5.03
RL	ROOF LADDER, REF. 3/A5.08
RTU	ROOFTOP UNIT, REF. MECHANICAL
CU	CONDENSING UNIT, REF. FOOD SERVICE, M.E.P.
GP	GAS PIPE PENETRATION, REF. 2/A5.03
RA	RELIEF AIRHOOD, REF. M.E.P.
EF	EXHAUST FAN, REF. M.E.P.
GT	GUTTER, REF. 13/A5.03
SV	SANITARY VENT, REF. MEP
HV	HEATED EXHAUST VENT, REF. MEP
TDD	TUBULAR DAYLIGHTING DEVICE, REF.4/A5.08



2 METAL ROOF PLAN - UNIT B
SCALE: 1" = 20'-0"



GV OVERALL ROOF PLAN
SCALE: 1" = 20'-0"



KEY PLAN

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Project Issued: December 9, 2025

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1 Addendum 02	12/18/2025
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Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
OVERALL ROOF PLAN

SHEET NO.
A5.01

New Elementary No. 49

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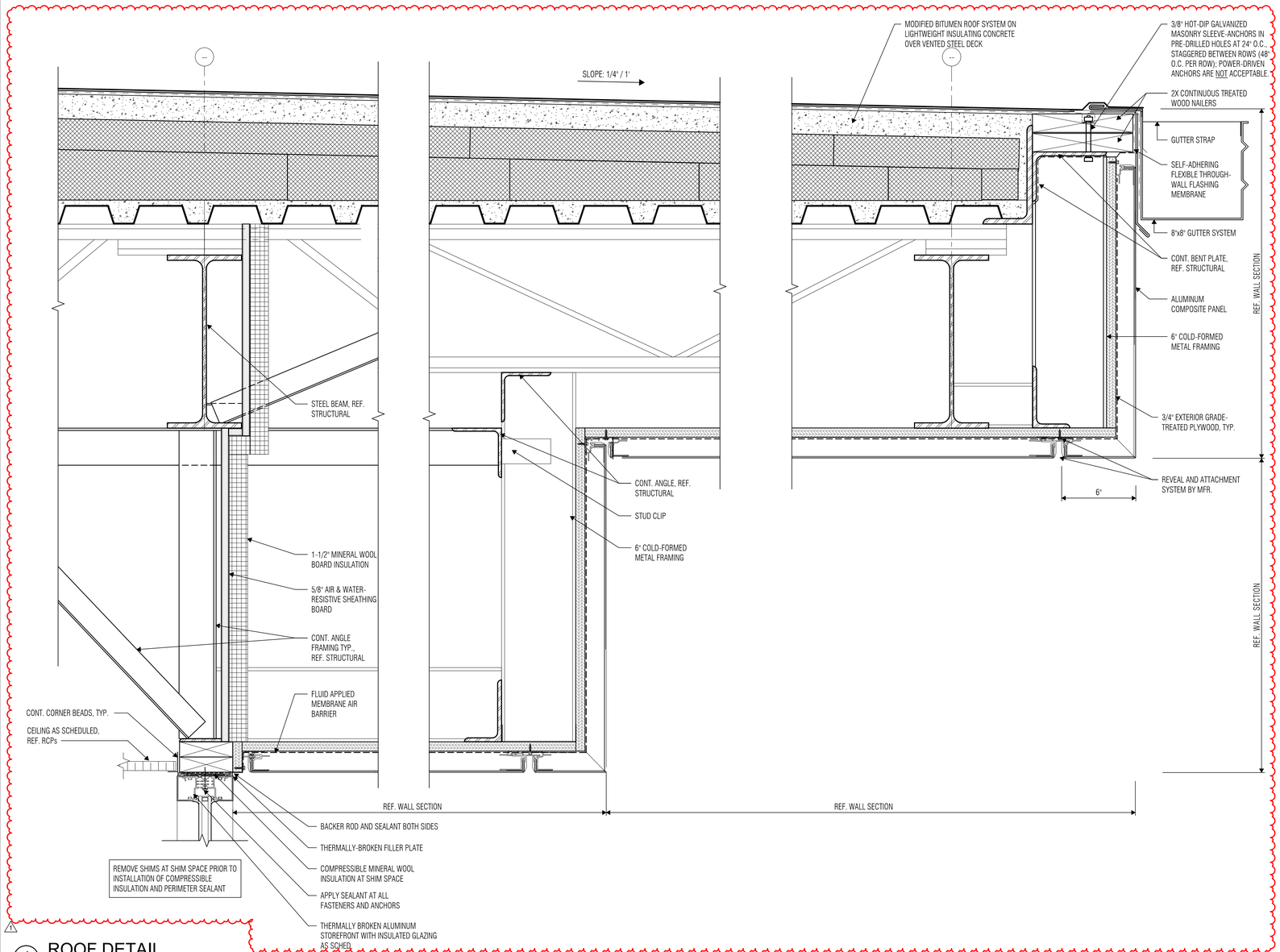

1 ROOF DETAIL
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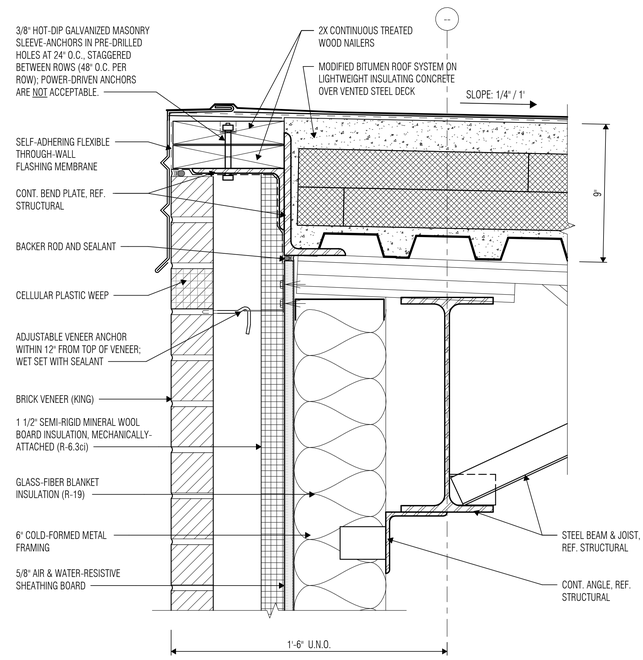

2 BKS / MBS-21 EAVE DETAIL
SCALE: 3" = 1'-0"

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01/15/2026

Project Issued: December 9, 2025

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24-102.00

SHEET TITLE
ROOF DETAILS

SHEET NO.
A5.06

New Elementary No. 49

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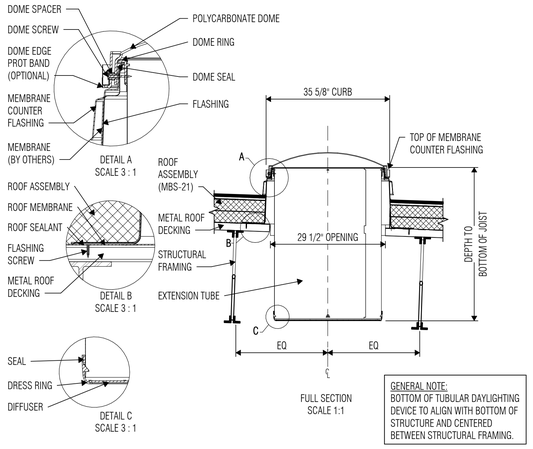
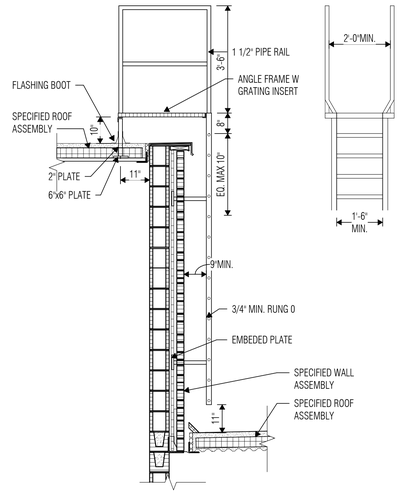


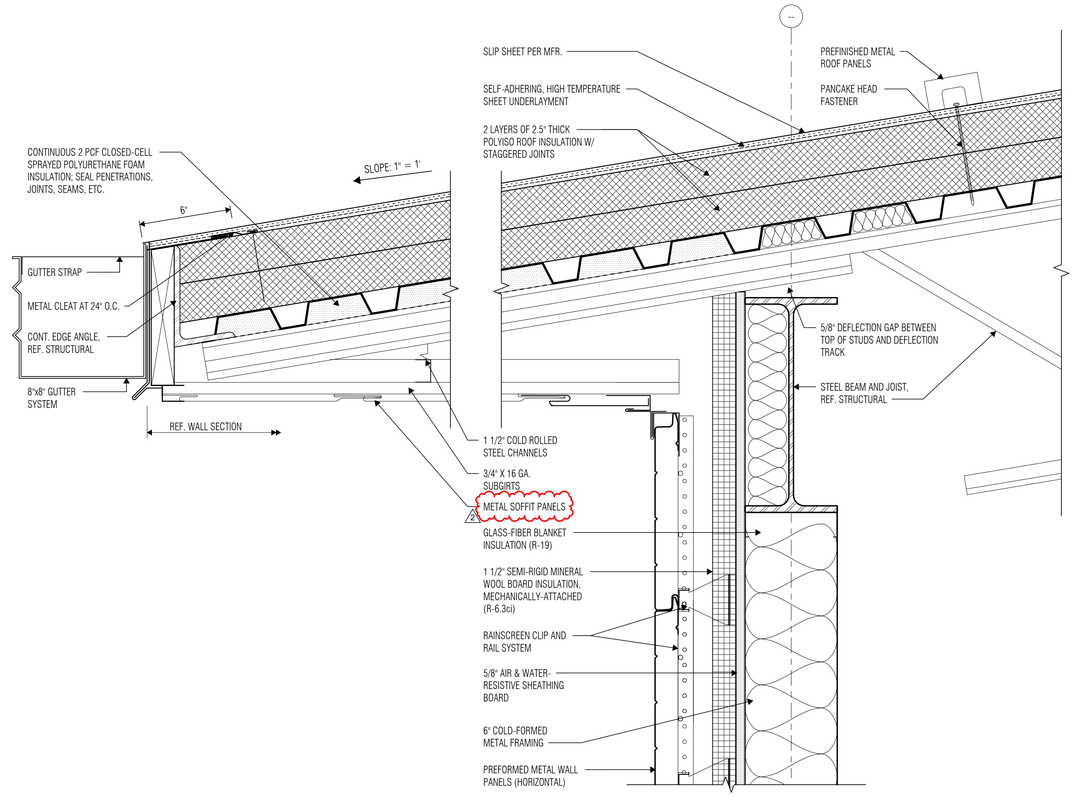
3 TUBULAR DAYLIGHTING DEVICE

SCALE: 1" = 1'-0"



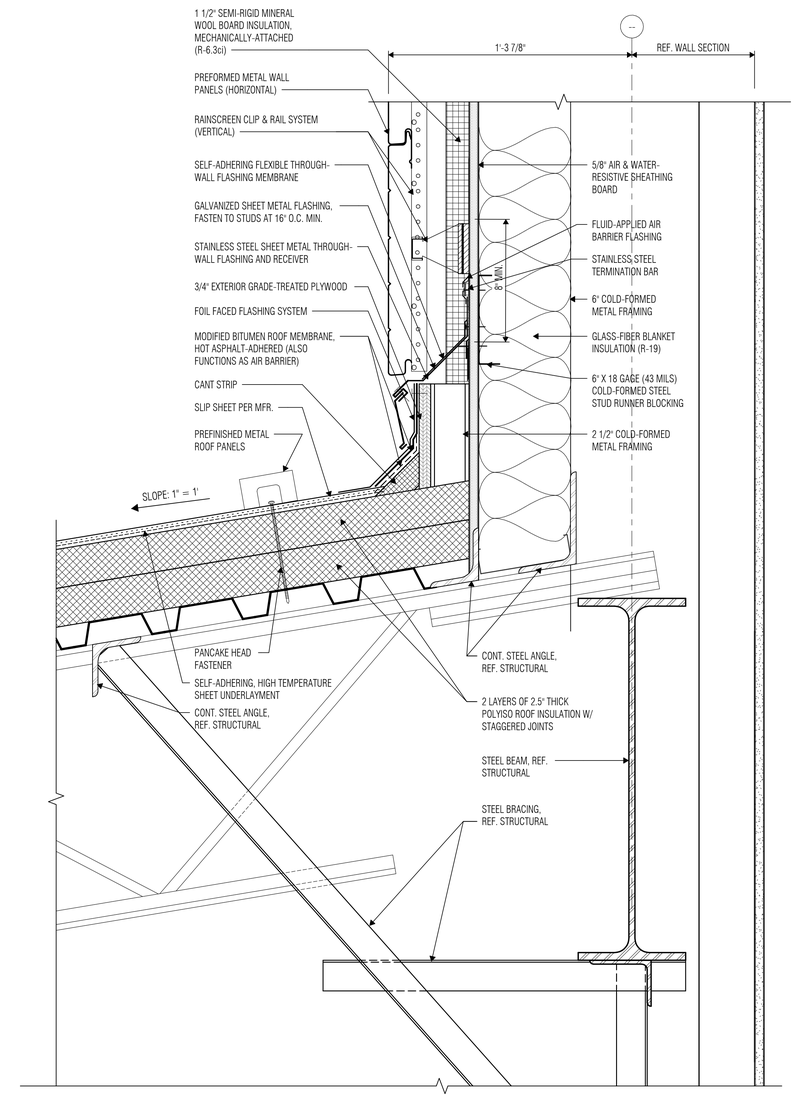
4 ROOF LADDER DETAIL

SCALE: 1/2" = 1'-0"



1 ROOF DETAIL AT MWS

SCALE: 3" = 1'-0"



2 HI/LO TRANSITION DETAIL AT MWS

SCALE: 3" = 1'-0"

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Proj. Arch. Casey Palmer

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24-102.00

SHEET TITLE
ROOF DETAILS

SHEET NO.
A5.08

New Elementary No. 49

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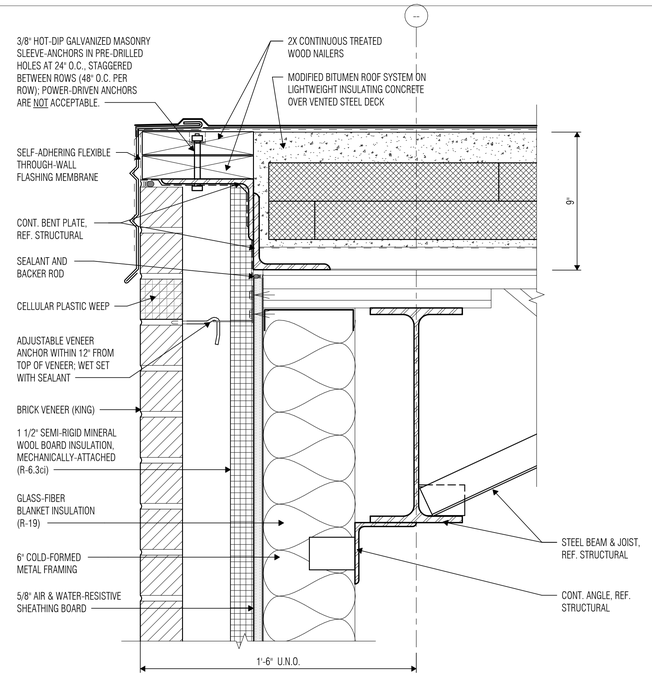
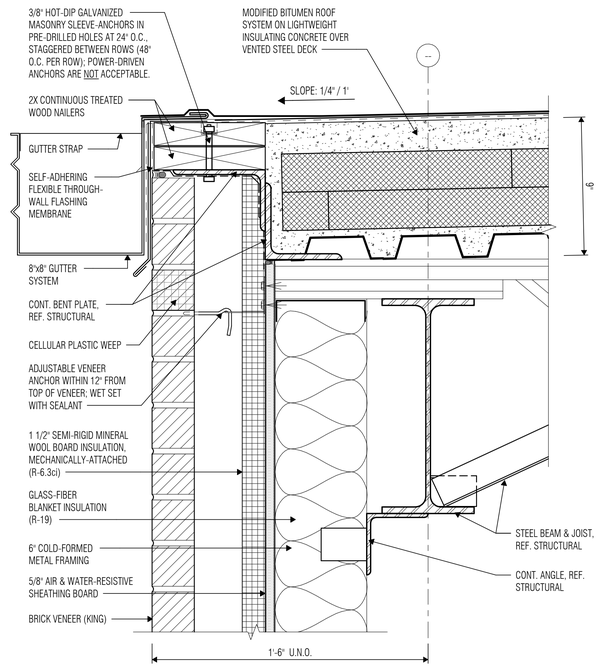


6 BKS / MBS-21 EAVE DETAIL
SCALE: 3" = 1'-0"



2 BKS / MBS EAVE DETAIL
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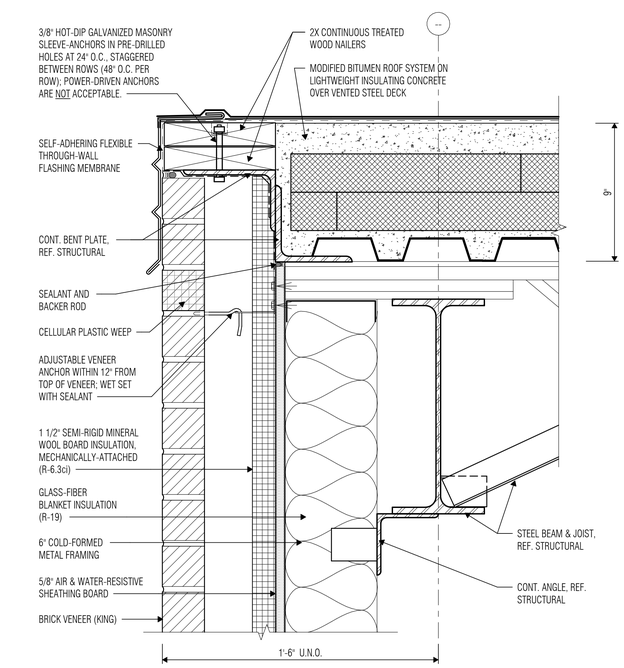

3 BKS / MBS EAVE DETAIL
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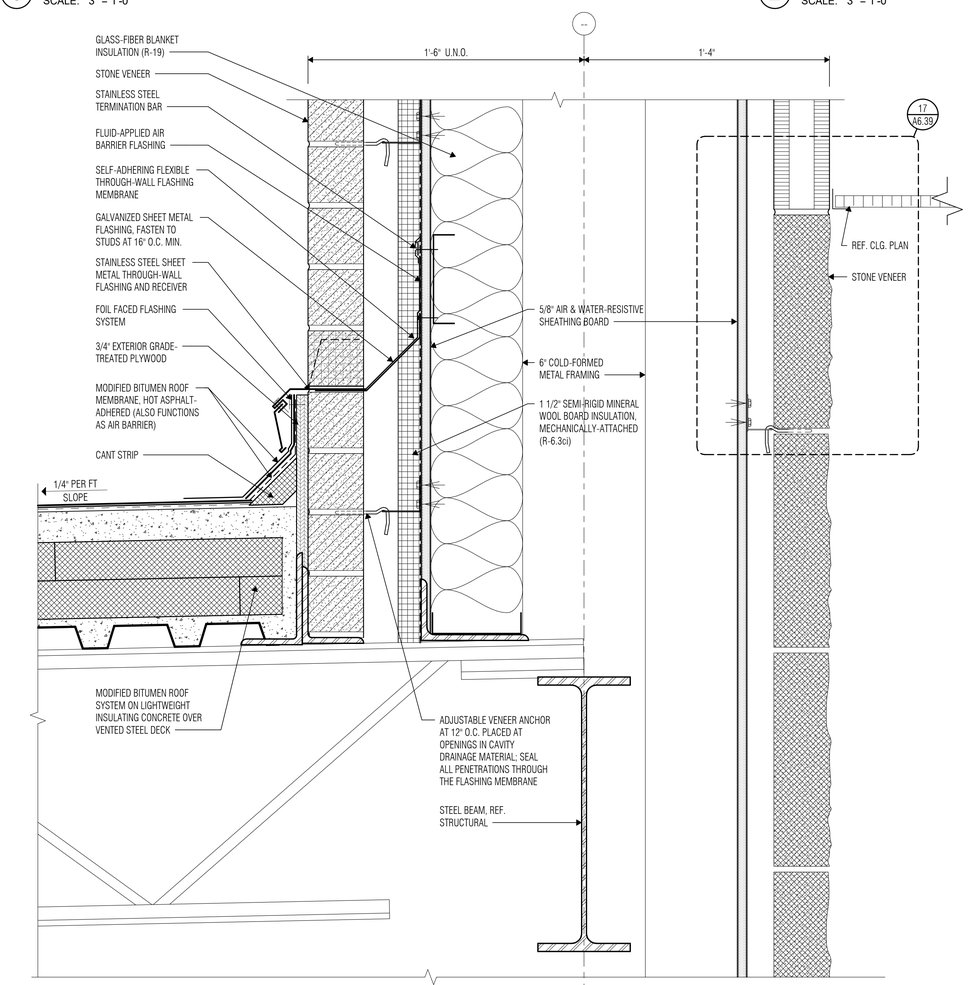

4 HI/LO TRANSITION DETAIL AT SVS
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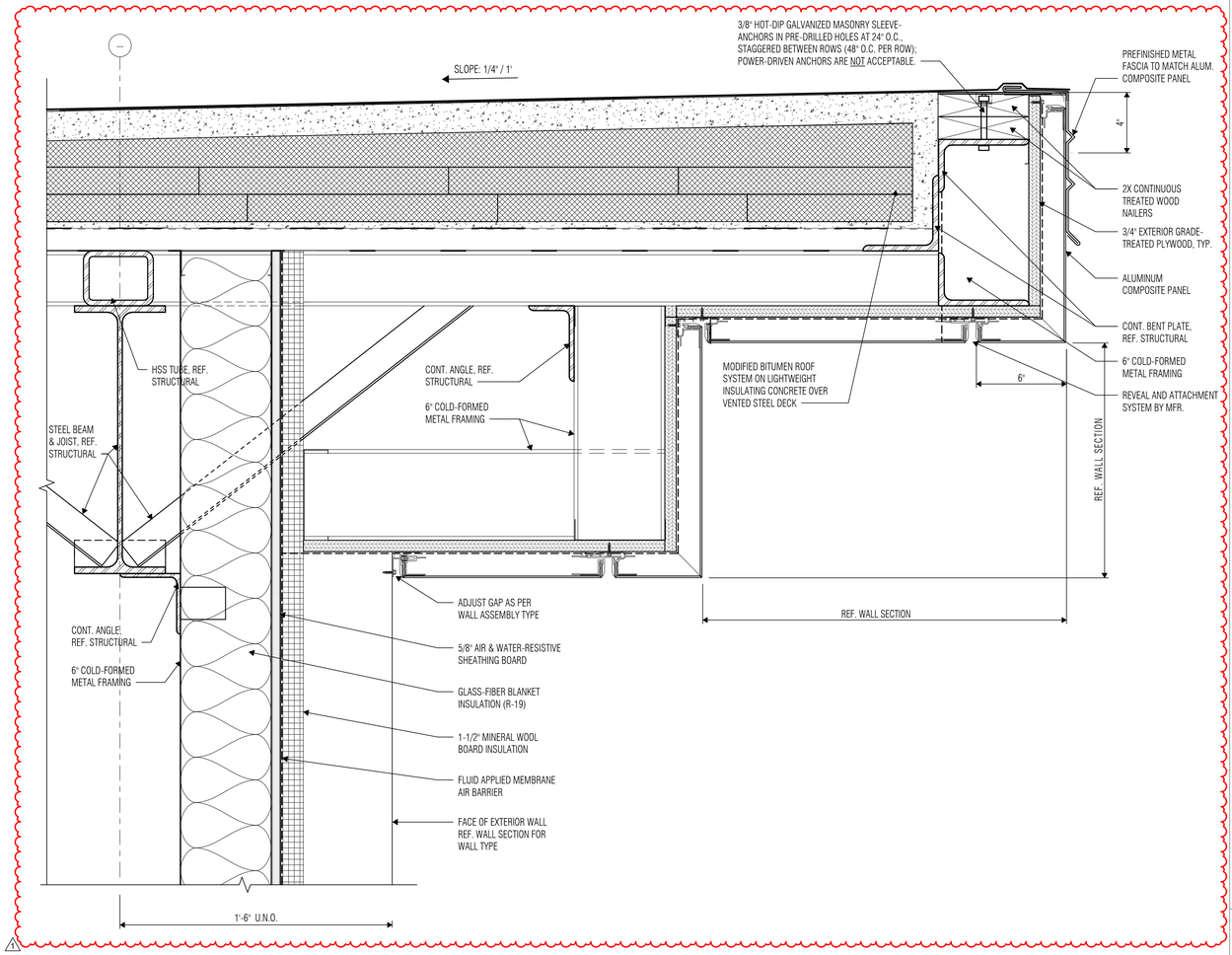

5 FASCIA/ROOF OVERHANG DETAIL AT ENTRY
SCALE: 3" = 1'-0"

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SHEET TITLE
ROOF DETAILS

SHEET NO.
A5.09

New Elementary No. 49

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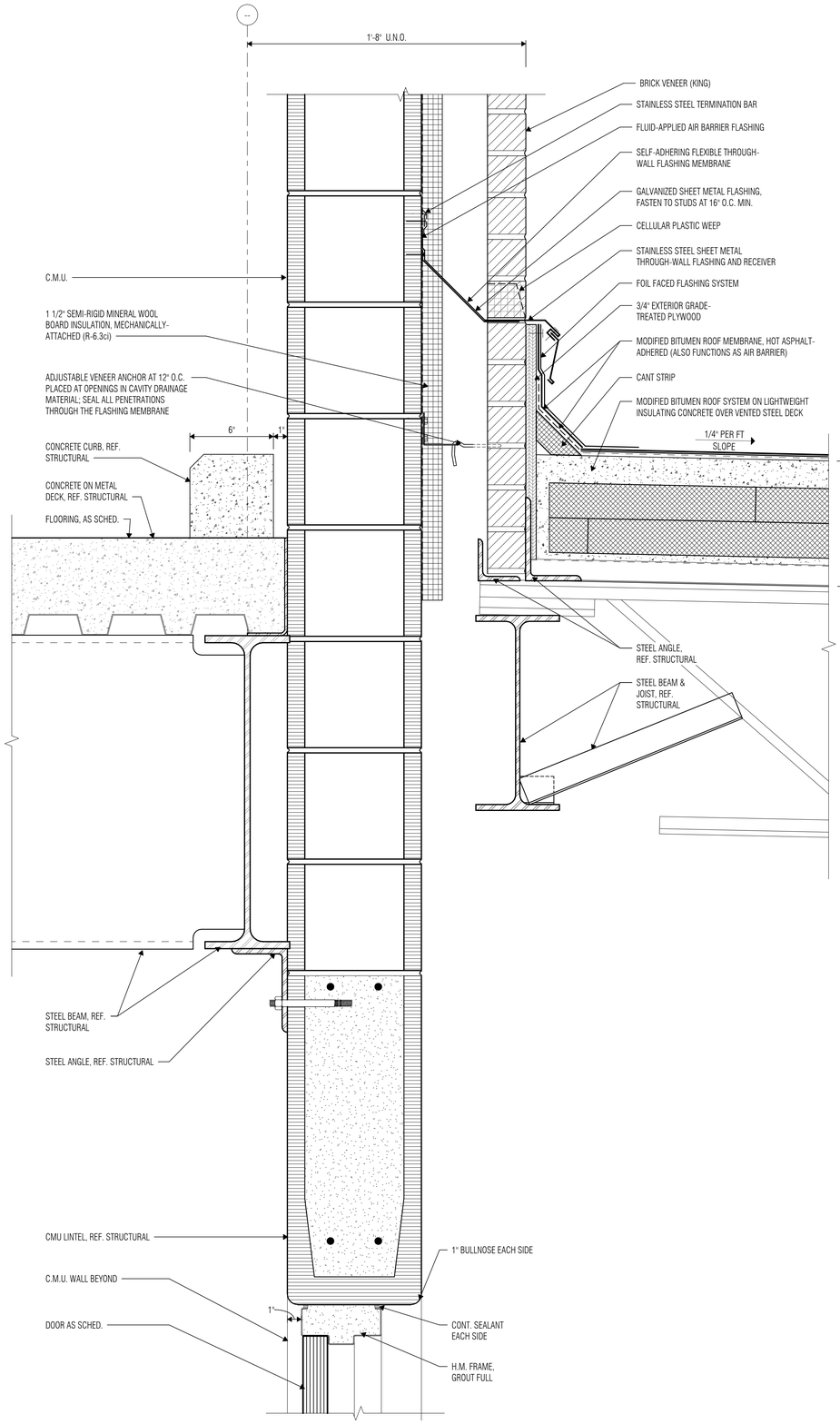
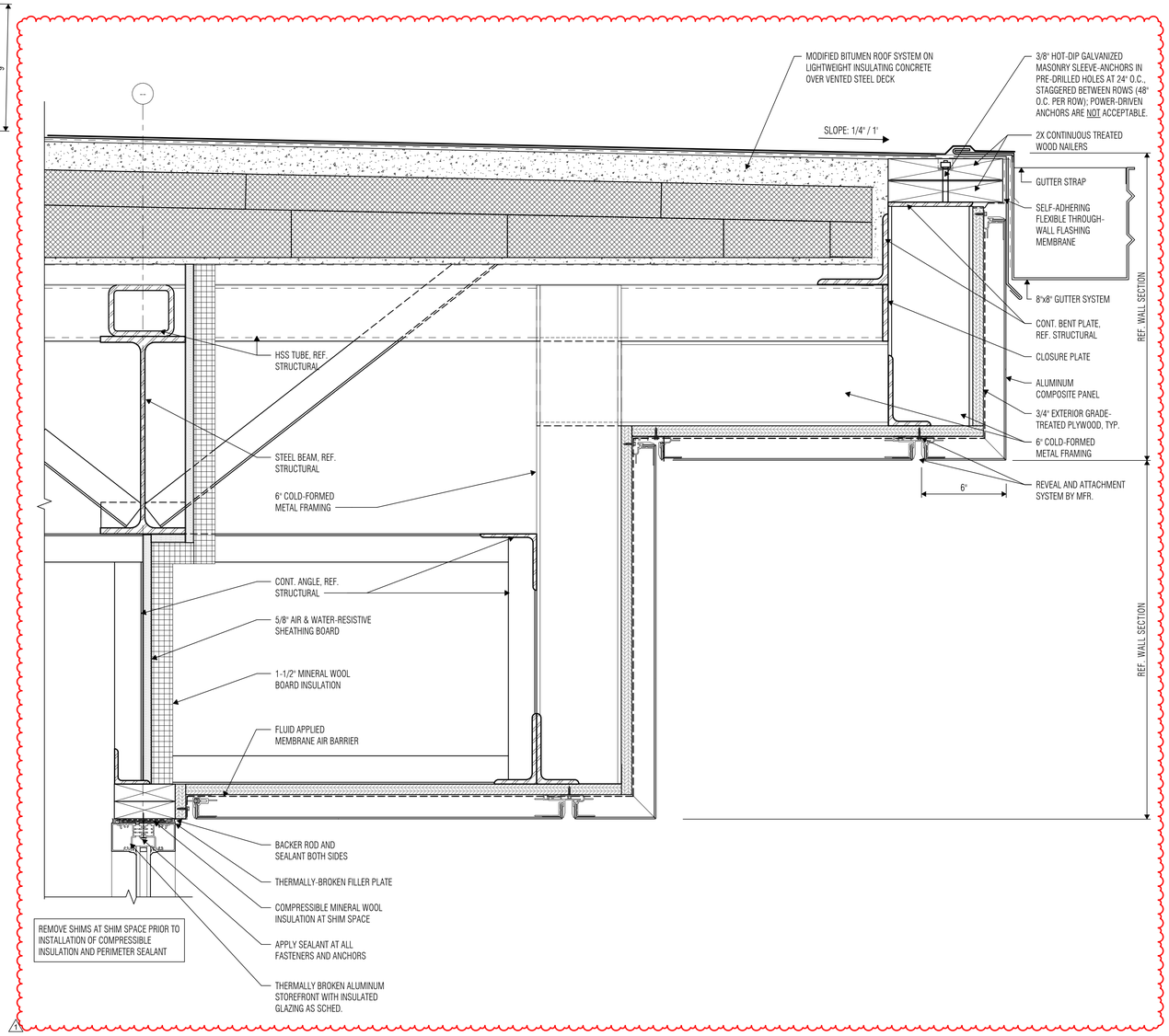


1 HI/LO TRANSITION DETAIL AT BKC
SCALE: 3" = 1'-0"



2 FASCIA/ROOF OVERHANG DETAIL AT ENTRY
SCALE: 3" = 1'-0"

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Revision No.		Revision Date
1	Addendum 04	01/15/2026

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SHEET TITLE
ROOF DETAILS

SHEET NO.
A5.10

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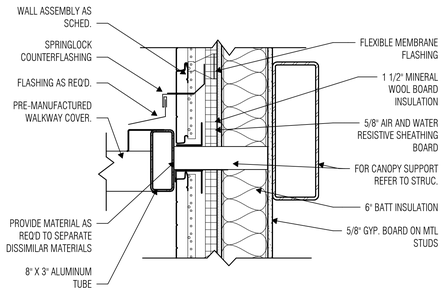
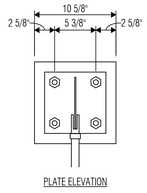
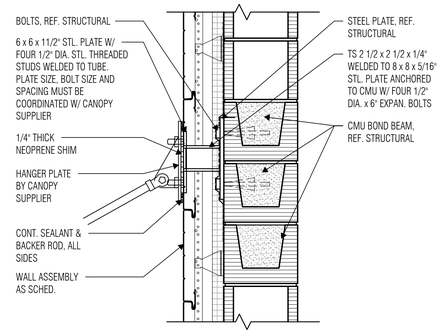
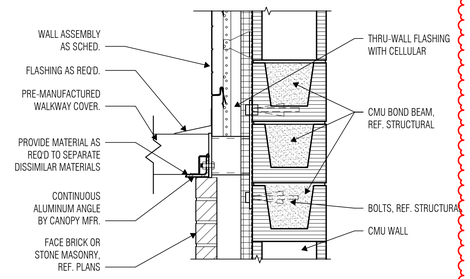


1 CANOPY CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"

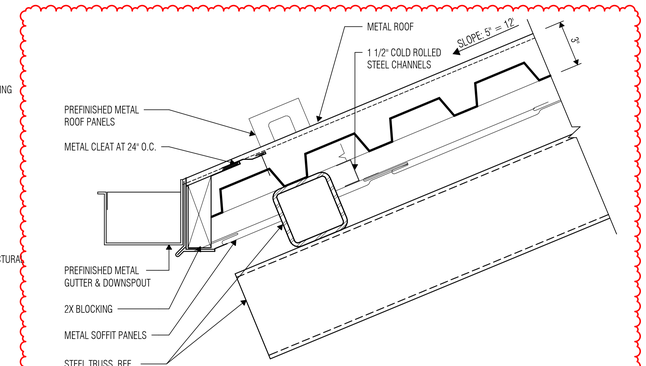




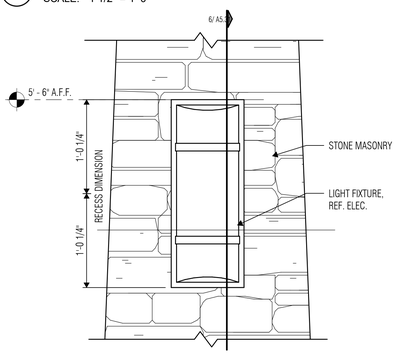
2 SECTION DETAIL AT CANOPY TIE BACK
SCALE: 1 1/2" = 1'-0"



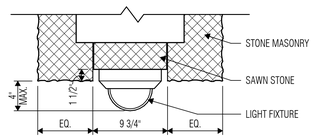
3 CANOPY DETAIL @ CMU BACKUP WALL
SCALE: 1 1/2" = 1'-0"



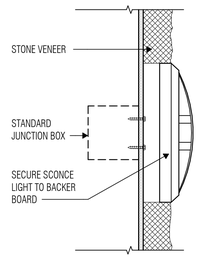
14 EAVE DETAIL
SCALE: 3" = 1'-0"



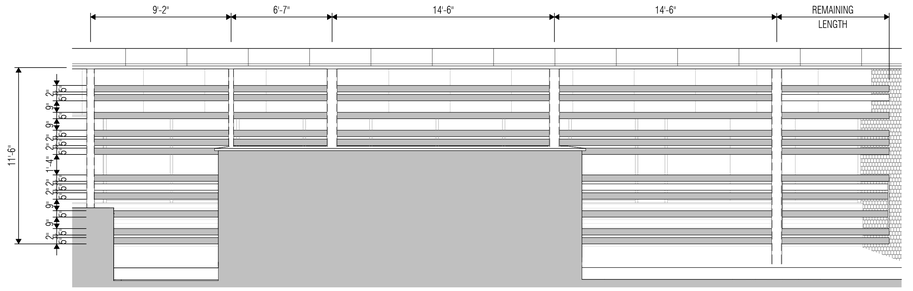
4 RECESSED SCONCE ELEVATION
SCALE: 1 1/2" = 1'-0"



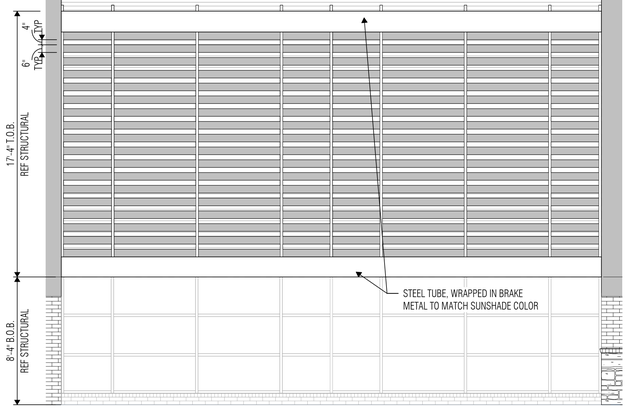
5 RECESSED SCONCE LIGHT - PLAN
SCALE: 1 1/2" = 1'-0"



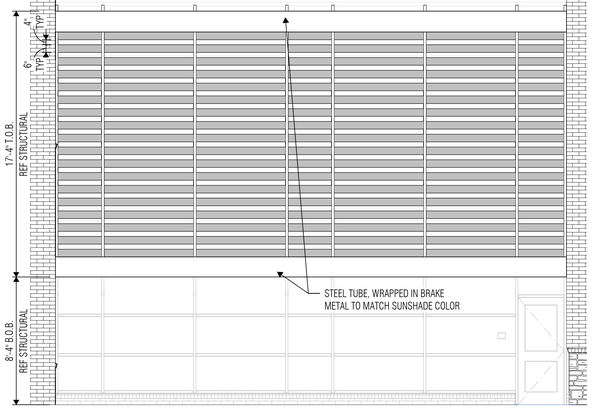
6 SCONCE LIGHT - SECTION
SCALE: 1 1/2" = 1'-0"



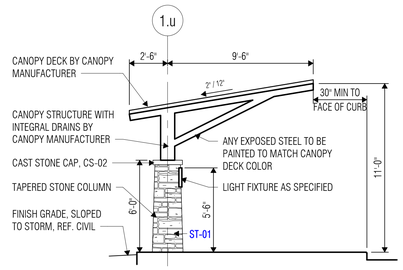
7 SUNSHADE ELEVATION - UNIT 'B'
SCALE: 1/4" = 1'-0"



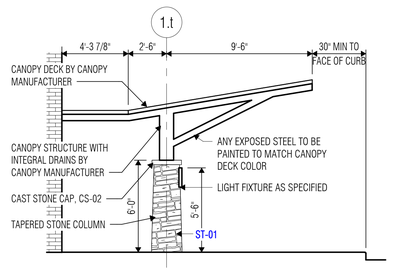
8 SUNSHADE ELEVATION - UNIT 'D'
SCALE: 1/4" = 1'-0"



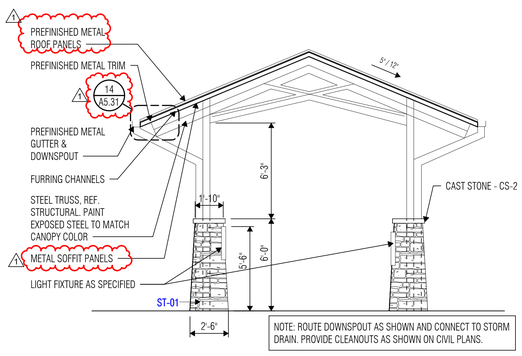
9 SUNCHADE ELEVATION - UNIT 'E' & 'F'
SCALE: 1/4" = 1'-0"



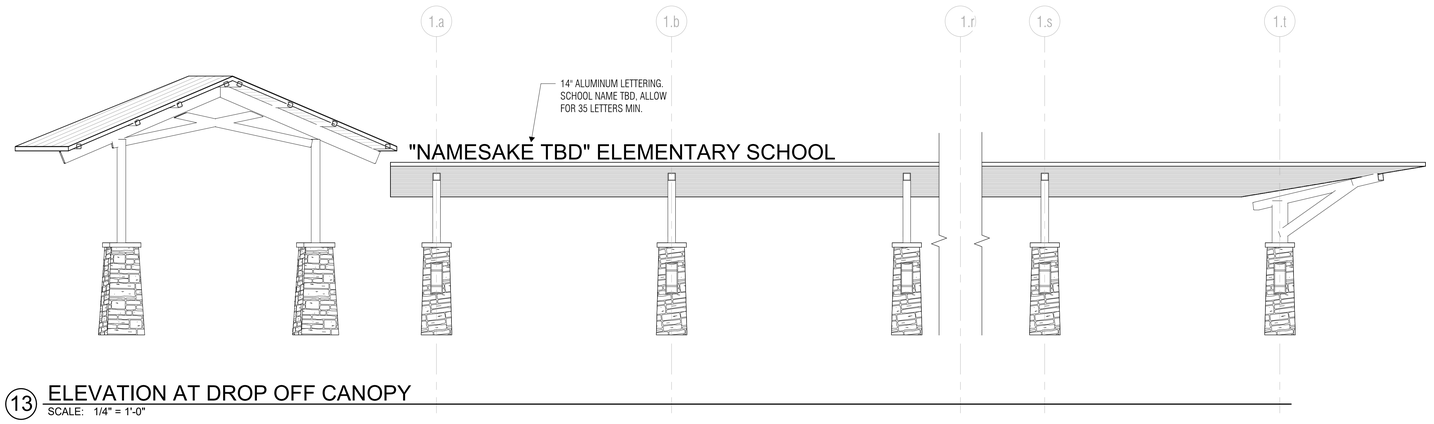
10 FRONT CANOPY SECTION
SCALE: 1/4" = 1'-0"



11 FRONT CANOPY SECTION
SCALE: 1/4" = 1'-0"



12 SECTION @ ENTRY CANOPY
SCALE: 1/4" = 1'-0"



13 ELEVATION AT DROP OFF CANOPY
SCALE: 1/4" = 1'-0"

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01/15/2026

Project Issued: December 9, 2025

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Director	Charles Johnson
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PROJECT NO.
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SHEET TITLE
ROOF AND CANOPY DETAILS

SHEET NO.
A5.31

New Elementary No. 49

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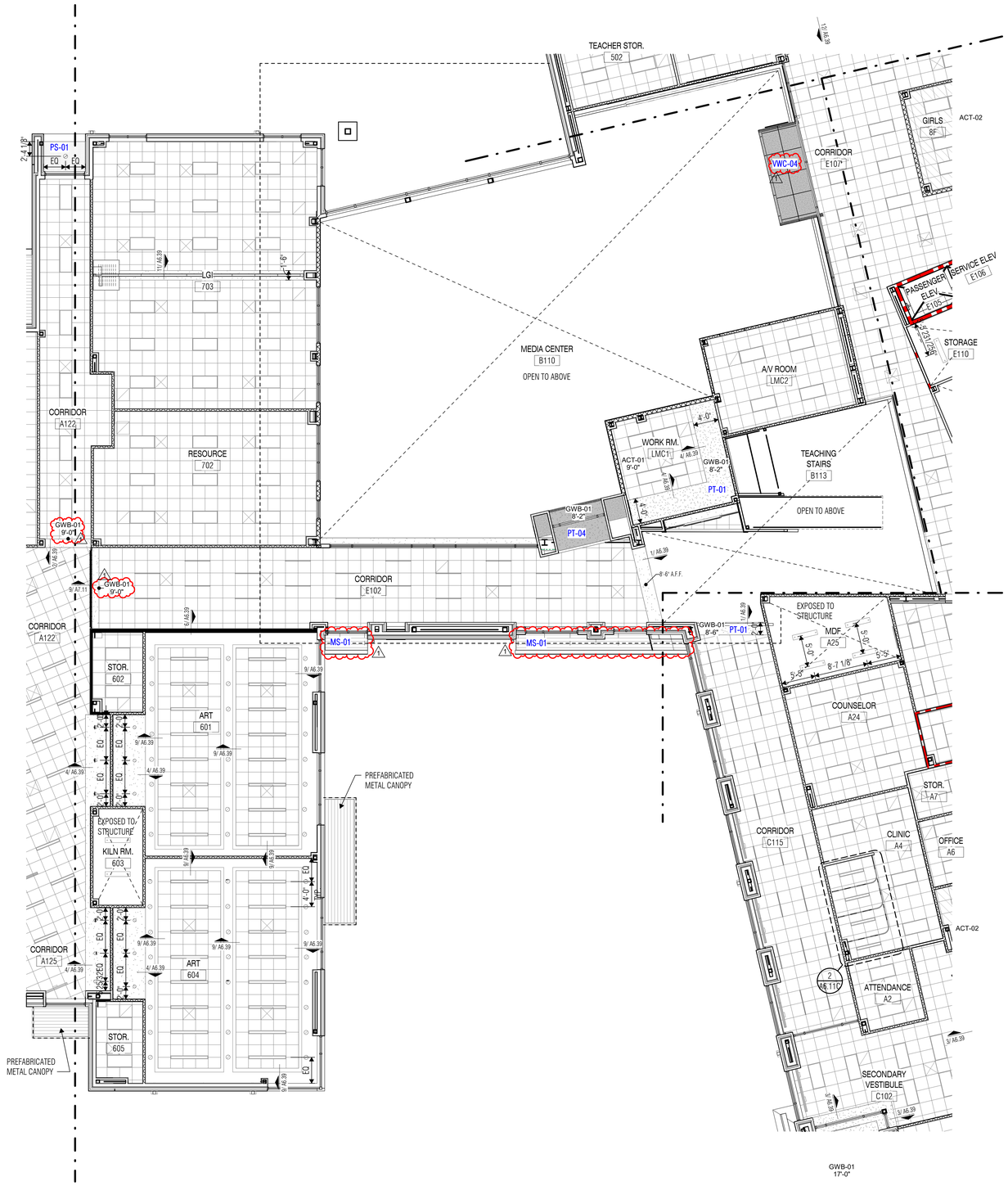

1 RCP - LEVEL 1 - UNIT B
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Refer to Detail A6.39 for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail A6.39 for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. 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 gypsum board fur-downs to be painted on all exposed surfaces—sides, tops, and bottoms—with specified paint color.

REFLECTED CEILING PLAN LEGEND

PYRAMID CEILING DIFFUSER PANELS (24" x 24")

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

1-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE WALL

SMOKE PARTITION

ACOUSTICAL/SOUND PARTITION

NONRATED PARTITION TO DECK

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.

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.

SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: 'SMOKE BARRIER - PROTECT ALL OPENINGS'. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

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.

NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

CEILING SCHEDULE

TYPE MARK	TYPE
	<varies>
ACT-01	2' x 2' ACT System
ACT-02	2' x 2' Aluminum ACT Vinyl Coated
GWB-01	Gypsum Board Ceiling
PS-01	Cement Plaster

TRUE NORTH

KEY PLAN

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REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT RCP - LEVEL 1 - UNIT B

SHEET NO.
A6.11B

New Elementary No. 49

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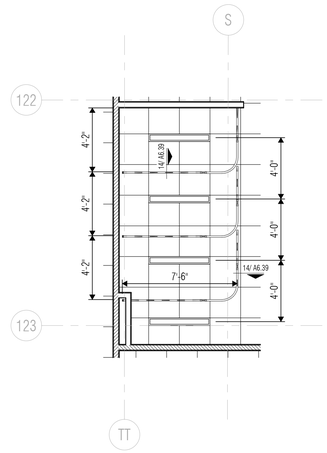
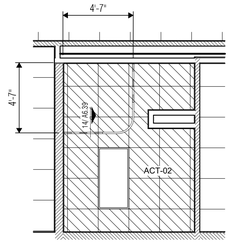


2 CLINIC CURTAIN TRACKS
SCALE: 1/4" = 1'-0"



3 SPED CURTAIN TRACKS
SCALE: 1/4" = 1'-0"

1 RCP - LEVEL 1 - UNIT C
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Refer to Detail A6.39 for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail A6.39 for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. 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 gypsum board fur-downs to be painted on all exposed surfaces—sides, tops, and bottoms—with specified paint color.

REFLECTED CEILING PLAN LEGEND

PYRAMID CEILING DIFFUSER PANELS (24" x 24")

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

1-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE WALL

SMOKE PARTITION

ACOUSTICAL/SOUND PARTITION

NONRATED PARTITION TO DECK

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.

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.

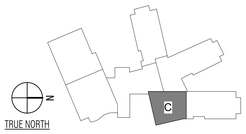
SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: 'SMOKE BARRIER - PROTECT ALL OPENINGS'. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

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.

NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

CEILING SCHEDULE

TYPE MARK	TYPE
	Exposed to Structure
ACT-01	2' x 2' ACT System
ACT-02	2' x 2' Aluminum ACT Vinyl Coated
ACT-03	2' x 2' ACT System - Additional Sound Insulation
GWB-01	Gypsum Board Ceiling



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01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT RCP - LEVEL 1 - UNIT C

SHEET NO.
A6.11C

New Elementary No. 49

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REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Refer to Detail A6.39 for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail A6.39 for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. 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 gypsum board fur-downs to be painted on all exposed surfaces—sides, tops, and bottoms—with specified paint color.

REFLECTED CEILING PLAN LEGEND

PYRAMID CEILING DIFFUSER PANELS (24" x 24")

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

1-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE WALL

SMOKE PARTITION

ACOUSTICAL/SOUND PARTITION

NONRATED PARTITION TO DECK

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.

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.

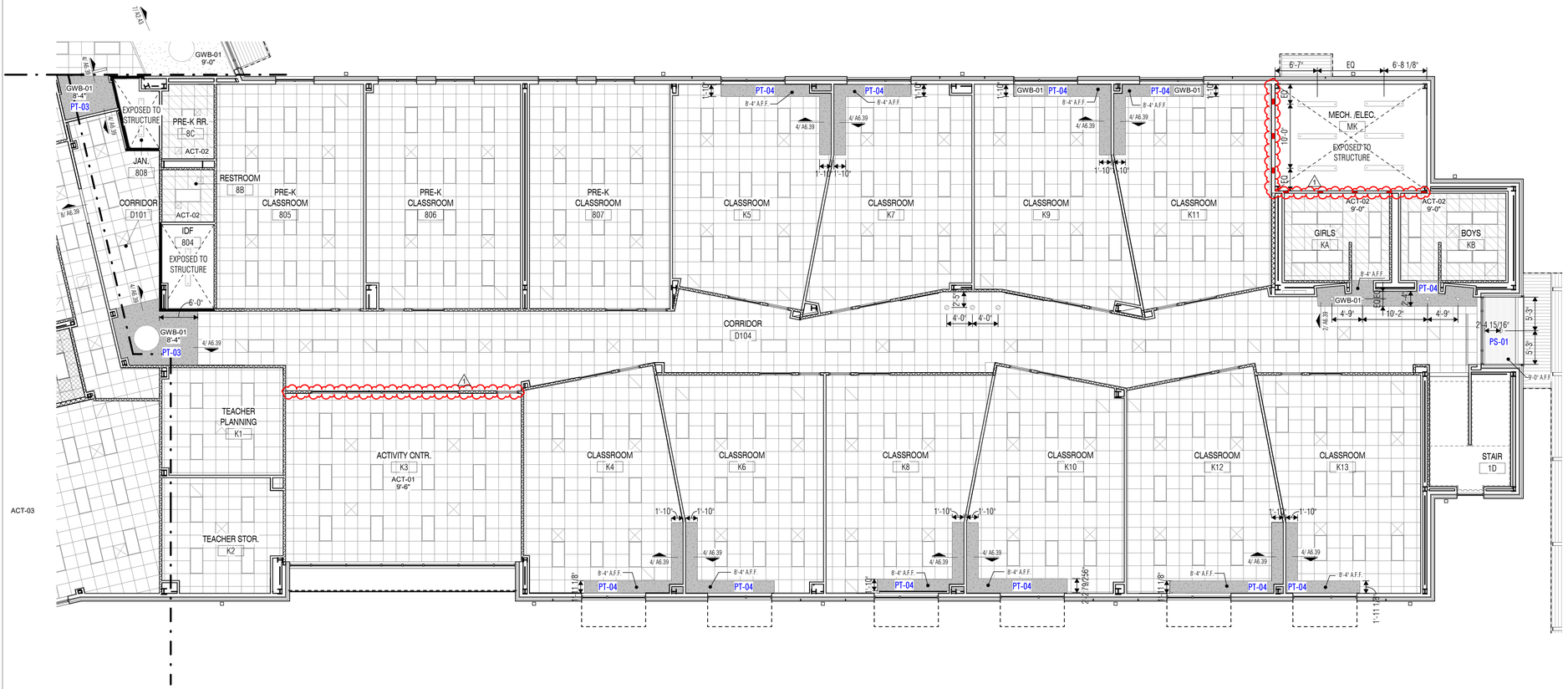
SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: 'SMOKE BARRIER - PROTECT ALL OPENINGS'. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

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.

NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

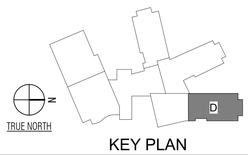
CEILING SCHEDULE

TYPE MARK	TYPE
	Exposed to Structure
ACT-01	2' x 2' ACT System
ACT-02	2' x 2' Aluminum ACT Vinyl Coated
ACT-03	2' x 2' ACT System - Additional Sound Insulation
GWB-01	Gypsum Board Ceiling
PS-01	Cement Plaster



1 RCP - LEVEL 1 - UNIT D

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



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CHARLES W. JOHNSON — 22044 — REGISTERED ARCHITECT — STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson

Proj. Arch. Casey Palmer

PROJECT NO.

24-102.00

SHEET TITLE

UNIT RCP - LEVEL 1 - UNIT D

SHEET NO.

A6.11D

New Elementary No. 49

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1 RCP - LEVEL 1 - UNIT E
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Refer to Detail A6.39 for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail A6.39 for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. 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 gypsum board fur-downs to be painted on all exposed surfaces—sides, tops, and bottoms—with specified paint color.

REFLECTED CEILING PLAN LEGEND

PYRAMID CEILING DIFFUSER PANELS (24" x 24")

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

1-HOUR FIRE BARRIER PARTITION
2-HOUR FIRE BARRIER PARTITION
2-HOUR FIRE WALL
SMOKE PARTITION
ACOUSTICAL/SOUND PARTITION
NONRATED PARTITION TO DECK

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.

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.

SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: 'SMOKE BARRIER - PROTECT ALL OPENINGS'. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

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.

NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

CEILING SCHEDULE

TYPE MARK	TYPE
	Exposed to Structure
ACT-01	2' x 2' ACT System
ACT-02	2' x 2' Aluminum ACT Vinyl Coated
GWB-01	Gypsum Board Ceiling
PS-01	Cement Plaster

TRUE NORTH

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REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT RCP - LEVEL 1 - UNIT E

SHEET NO.
A6.11E

New Elementary No. 49

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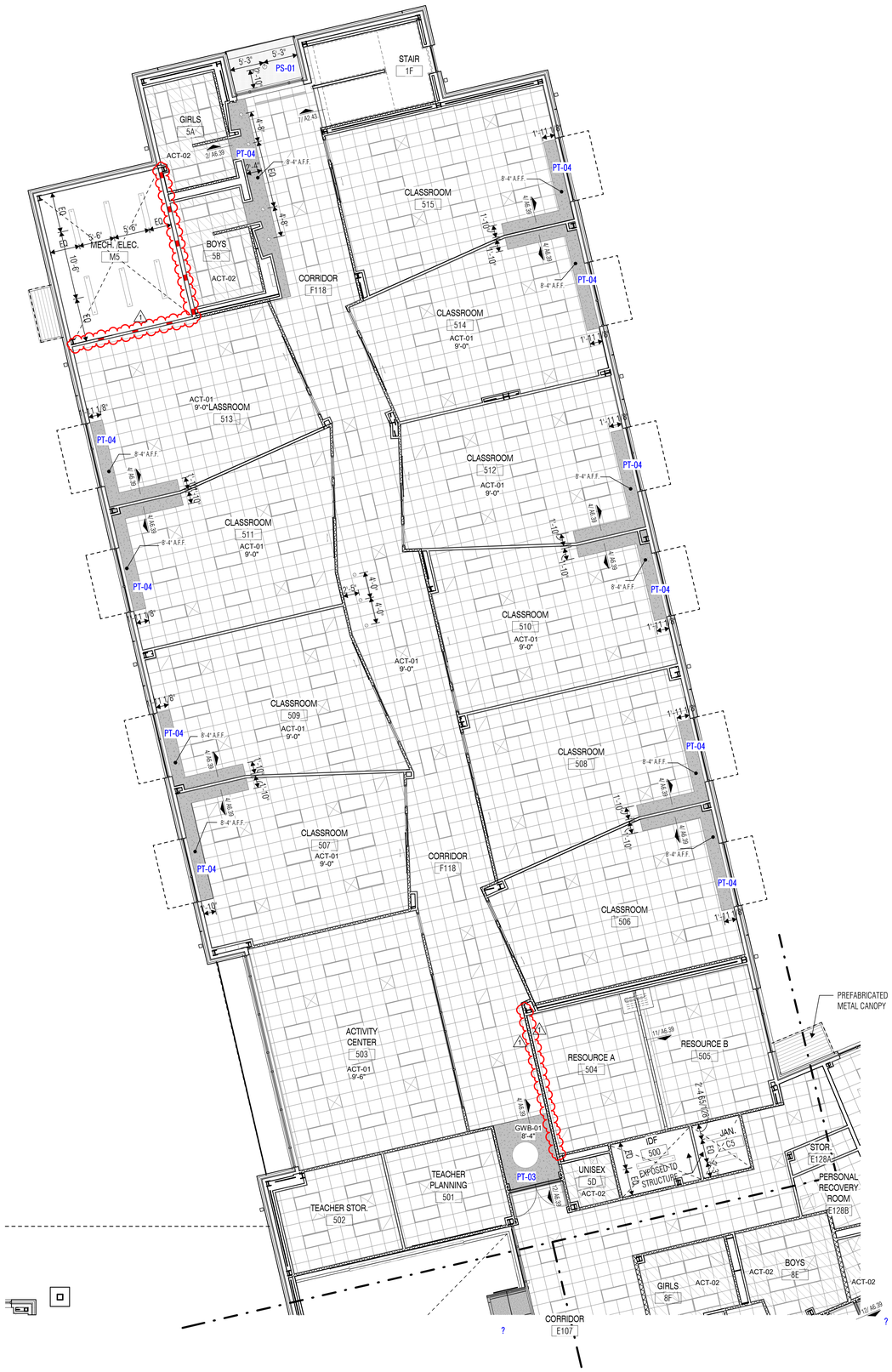


1 RCP - LEVEL 1 - UNIT F

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

REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Refer to Detail A6.39 for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail A6.39 for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. 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 gypsum board fur-downs to be painted on all exposed surfaces—sides, tops, and bottoms—with specified paint color.

REFLECTED CEILING PLAN LEGEND

PYRAMID CEILING DIFFUSER PANELS (24" x 24")

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

1-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE WALL

SMOKE PARTITION

ACOUSTICAL/SOUND PARTITION

NONRATED PARTITION TO DECK

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.

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.

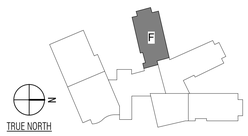
SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: 'SMOKE BARRIER - PROTECT ALL OPENINGS'. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

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.

NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

CEILING SCHEDULE

TYPE MARK	TYPE
	Exposed to Structure
ACT-01	2' x 2' ACT System
ACT-02	2' x 2' Aluminum ACT Vinyl Coated
GWB-01	Gypsum Board Ceiling
PS-01	Cement Plaster



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REGISTERED ARCHITECT
CHARLES W. JOHNSON
20944
STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT RCP - LEVEL 1 - UNIT F

SHEET NO.
A6.11F

New Elementary No. 49

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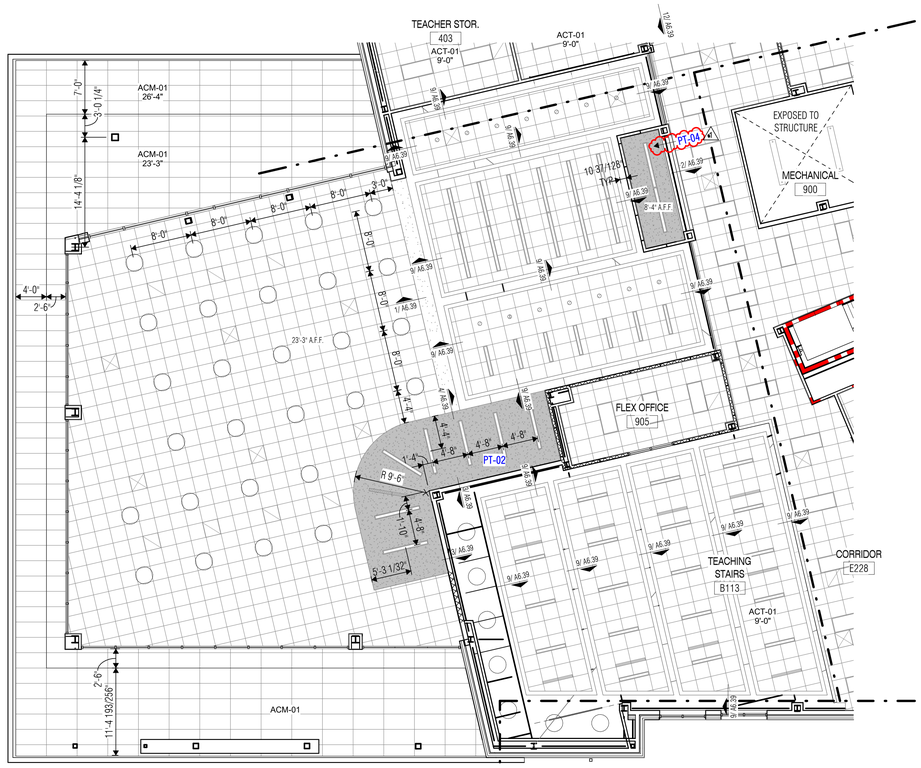


1 RCP - LEVEL 2 - UNIT B
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Refer to Detail A6.39 for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail A6.39 for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. 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 gypsum board fur-downs to be painted on all exposed surfaces—sides, tops, and bottoms—with specified paint color.

REFLECTED CEILING PLAN LEGEND

PYRAMID CEILING DIFFUSER PANELS (24" x 24")

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

1-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE WALL

SMOKE PARTITION

ACOUSTICAL/SOUND PARTITION

NONRATED PARTITION TO DECK

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.

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.

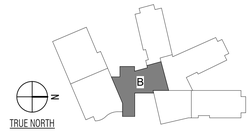
SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: 'SMOKE BARRIER - PROTECT ALL OPENINGS'. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

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.

NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

CEILING SCHEDULE

TYPE MARK	TYPE
	<varies>
ACM-01	Aluminum Compoosite Panels
ACT-01	2' x 2' ACT System
GWB-01	Gypsum Board Ceiling



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REGISTERED ARCHITECT — CHARLES W. JOHNSON — 20944 — STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT RCP - LEVEL 2 - UNIT B

SHEET NO.
A6.12B

New Elementary No. 49

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REFLECTED CEILING PLAN NOTES

1. All ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Refer to Detail A6.39 for Typical Gypsum Board Ceiling Control Joint Detail.
3. Refer to Detail A6.39 for Typical Plaster Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. 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 gypsum board fur-downs to be painted on all exposed surfaces—sides, tops, and bottoms—with specified paint color.

REFLECTED CEILING PLAN LEGEND

PYRAMID CEILING DIFFUSER PANELS (24" x 24")

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

1-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE BARRIER PARTITION

2-HOUR FIRE WALL

SMOKE PARTITION

ACOUSTICAL/SOUND PARTITION

NONRATED PARTITION TO DECK

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.

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.

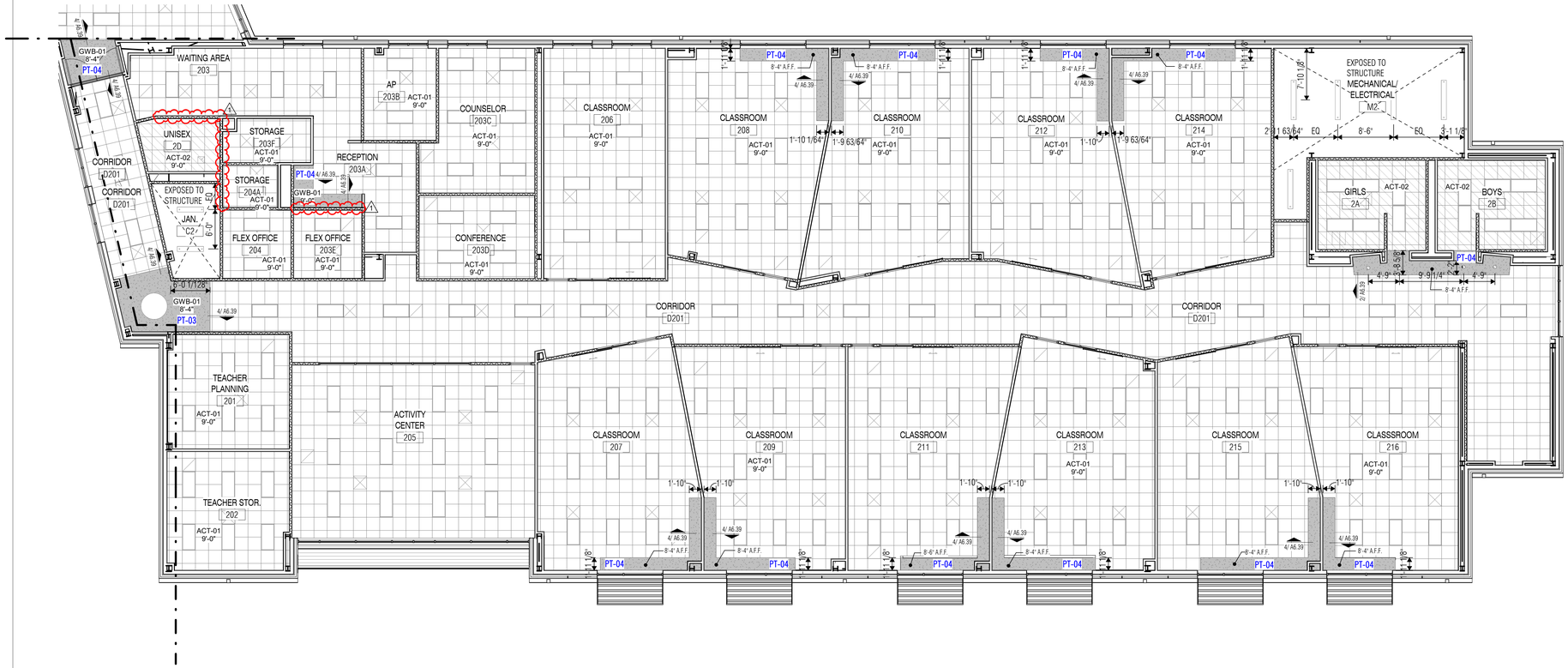
SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: 'SMOKE BARRIER - PROTECT ALL OPENINGS'. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

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.

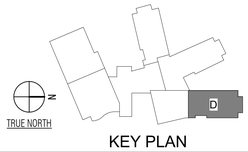
NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

CEILING SCHEDULE

TYPE MARK	TYPE
	Exposed to Structure
ACT-01	2' x 2' ACT System
ACT-02	2' x 2' Aluminum ACT Vinyl Coated
GWB-01	Gypsum Board Ceiling



1 RCP - LEVEL 2 - UNIT D
SCALE: 1/8" = 1'-0"



KEY PLAN

VLK

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KATY, TEXAS

REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT RCP - LEVEL 2 - UNIT D

SHEET NO.
A6.12D

New Elementary No. 49

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UNIT A1/A2 - LEVEL ONE

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
6C	A	1	HM	3'-0"	7'-0"	5	11			341	
617	A	1	HM	3'-0"	7'-0"	5	11			203	
619	A	1	HM	3'-0"	7'-0"	5	11			C201	8, 9
620	B	1	HM	6'-0"	7'-0"	5	11			212S	
621	A	1	HM	3'-0"	7'-0"	5	11		45 MIN	101	
622	A	1	HM	3'-0"	7'-0"	4	10			103	
623	A	1	HM	3'-0"	7'-0"	5	11		45 MIN	201	
A101A	A	1	HM	3'-0"	7'-0"	5	11			103	
A101B	A	1	HM	3'-0"	7'-0"	5	11			801	
A101C	A	1	HM	3'-0"	7'-0"	5	11			341	
A101D	A	1	HM	3'-0"	7'-0"	5	11			103	
A101E	A	1	HM	3'-0"	7'-0"	5	11			403	
A101F	A	2	HM	4'-0"	7'-0"					CR715HP	8, 9, 11, 12
A109A	D	1	HM	6'-0"	7'-0"	5	11			710M	4
A109B	D	2	HM	6'-0"	7'-0"					C714CM	4, 8, 9, 12
A109C	D	2	HM	6'-0"	7'-0"					C714CM	4, 8, 9, 12
A109D	M	4	ALUM.	7'-5"	7'-0"	8	14			001SL	
A109E	N	4	ALUM.	7'-4"	7'-0"	8	14			001SL	
A109F	M	4	ALUM.	7'-5"	7'-0"	8	14			001SL	
A109G	P	11	--	95'-6"	20'-0"					003FL-KS2	13
A110	D	1	HM	6'-0"	7'-0"	5	11			710M	4
A114A	F	4	ALUM.	6'-0"	7'-0"					C714ACM	4, 8, 9, 12
M6	A	1	HM	3'-0"	7'-0"	5	11		45 MIN	D201G	10
M6A	A	2	HM	4'-0"	7'-0"	5/A4.44	5/A4.49	9/A4.49		C715V	8, 9, 11, 12
M6B	K	6	--	8'-0"	8'-0"	5/A4.44	5/A4.49	9/A4.49		001KS1	9, 12
M6C	K	6	--	8'-0"	8'-0"	4	10			001KS1	9, 12
M7	A	2	HM	3'-0"	7'-0"	5	11			201C	
6A	A	1	HM	3'-0"	7'-0"	5	11			801L	
6B	A	1	HM	3'-0"	7'-0"	5	11			801L	
606A	C	1	HM	3'-0"	7'-0"	5	11			751G	10
606B	A	1	HM	3'-0"	7'-0"	5	11			203G	10
607	A	1	HM	3'-0"	7'-0"	5	11			203	
608	A	1	HM	3'-0"	7'-0"	5	11			103	
609	A	1	HM	3'-0"	7'-0"	5	11			203	
610A	C	1	HM	3'-0"	7'-0"	5	11			751G	10
610B	A	1	HM	3'-0"	7'-0"	5	11			203G	10
611	B	1	HM	6'-0"	7'-0"	5	11			212S	4
612	A	1	HM	4'-0"	7'-0"	5	11			201CW	
613	A	1	HM	3'-0"	7'-0"	5	11			103	
615	A	1	HM	3'-0"	7'-0"	5	11/22			101	
616	A	1	HM	3'-0"	7'-0"	5	11			203	
624	A	1	HM	4'-0"	7'-0"	5	11			201CW	
625	A	1	HM	3'-0"	7'-0"	5	11			341	
701	A	1	HM	3'-0"	7'-0"	4	10			107	
A113	D	1	HM	6'-0"	7'-0"	5	11			710M	4
A114B	F	4	ALUM.	6'-0"	7'-0"					C714ACM	4, 8, 9, 12
A114C	A	1	HM	3'-0"	7'-0"	5	11			801L	
A114D	A	1	HM	3'-0"	7'-0"	5	11			801L	
A116A	D	2	HM	6'-0"	7'-0"					C714CM	4, 8, 9, 12
A116B	D	2	HM	6'-0"	7'-0"					C714CM	4, 8, 9, 12
A118	D	1	HM	6'-0"	7'-0"	5	11			710M	4
A125A	E	4	ALUM.	3'-0"	7'-0"					C715AC	8 , 9, 12
A125B	F	4	ALUM.	6'-0" ⚠1	7'-0"					C714ACM	4, 8 , 9 ,12
A132	A	2	HM	3'-0"	7'-0"	5	11			201G	10

UNIT B - LEVEL ONE

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
601A	C	1	HM	3'-0"	7'-0"	4	10			751H	
601B	E	4	ALUM.	3'-0"	7'-0"					C715AC	8, 9, 12
602	A	1	HM	3'-0"	7'-0"	4	10			203	
603A	A	1	HM	3'-0"	7'-0"	4	10			503	
603B	A	1	HM	3'-0"	7'-0"	4	10			503	
604A	C	1	HM ⚠2	3'-0"	7'-0"	4	10			751H	
604B	E	4	ALUM.	3'-0"	7'-0"					C715AC	8, 9, 12
605	C	1	HM	3'-0"	7'-0"	4	10			203	
702	C	1	HM	3'-0"	7'-0"	4	10			751H	
703	C	1	HM	3'-0"	7'-0"	4	10			751H	
703A	P	12	--	33'-6"	9'-0"					003FL1	13
703B	C	1	HM	3'-0"	7'-0"	4	10			751H	
B106	L	10	--	13'-0"	9'-0"	9	15			001KS2	
B106A	E	4	ALUM.	3'-0"	7'-0"					C715AC	8 , 9 ,12
B106B	E	4	ALUM.	3'-0"	7'-0"					C715AC	8 , 9 ,12
B108	F	4	ALUM.	6'-0"	7'-0"					C714ACM	4, 8 , 9 ,12
B110A	F ⚠1	4	ALUM.	6'-0"	7'-0"	17	23			710AMG	10
B110B	E	4	ALUM.	3'-0"	7'-0"	17	23,24			553AG	10
B110C	E	4	ALUM.	3'-0"	7'-0"	17	23,24			553AG	10
B110E	F	4	ALUM.	6'-0"	7'-0"					C714ACM	4, 8, 9, 12
LMC1	A	1	HM	3'-0"	7'-0"					101	
LMC2	A	1	HM	3'-0"	7'-0"	4	10			101	
SCM	R ⚠1		ALUM.	12'-0" ⚠1	6'-8"					001SL	14

UNIT C - LEVEL ONE

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
8A	A	1	HM	3'-0"	7'-0"	4	10			341	
801	A	1	HM	3'-0"	7'-0"	4	10			553	
802	A	1	HM	3'-0"	7'-0"	4	10			553	
802B	A	1	HM	3'-0"	7'-0"	4	10			801L	
802C	A	1	HM	3'-0"	7'-0"	4	10			801L	
803	A	1	HM	3'-0"	7'-0"	4	10			553	
803A	A	1	HM	3'-0"	7'-0"	4	10			403	
A1A	F	4	ALUM.	6'-0"	7'-0"	17	23			CVR710AM	4, 8 , 9
A1B	F ⚠1	4	ALUM.	6'-0"	7'-0"	17	23			CVR710AM	4, 8 , 9
A1C	C	1	HM	3'-0"	7'-0"	4	10			CR201	8, 9
A1D	C	1	HM	3'-0"	7'-0"	4	10			101	
A2A	C	1	HM	3'-0"	7'-0"	4	10			C201	8, 9
A2B	A	1	HM	3'-0"	7'-0"	4	10			101C	
A3	A	1	HM	3'-0"	7'-0"	4	10			341	
A4A	C	1	HM	3'-0"	7'-0"	4	10			553	
A4B	C	1	HM	3'-0"	7'-0"	4	10			C207	8, 9
A5	A	1	HM	3'-0"	7'-0"	4	10			341	
A6	C	1	HM	3'-0"	7'-0"	4	10			103	
A7	A	1	HM	3'-0"	7'-0"	4	10			203	
A8	C	1	HM	3'-0"	7'-0"	4	10			103	
A9	C	1	HM	3'-0"	7'-0"	4	10			103	
A10	C	1	HM	3'-0"	7'-0"	4	10			103	
A11	C	1	HM	3'-0"	7'-0"	4	10			103	
A12A	C	1	HM	3'-0"	7'-0"	4	10			103	
A12B	A	1	HM	3'-0"	7'-0"	4	10			103	
A13	C	1	HM	3'-0"	7'-0"	4	10			503S	
A14	C	1	HM	3'-0"	7'-0"	4	10			103	
A15	C	1	HM	3'-0"	7'-0"	4	10			103	
A16	C	1	HM	3'-0"	7'-0"	4	10			103	
A17	A	1	HM	3'-0"	7'-0"	4	10			201	
A18	A	1	HM	3'-0"	7'-0"	4	10			341	

UNIT C - LEVEL ONE CONT.

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
A19	A	1	HM	3'-0"	7'-0"	4	10			341	
A20	C	1	HM	3'-0"	7'-0"	4	10			103	
A21A	A	1	HM	3'-0"	7'-0"	4	10		90 MIN	201	
A21B	A	1	HM	3'-0"	7'-0"	4	10		90 MIN	201	
A22	C	1	HM	3'-0"	7'-0"	4	10			503	
A23	C	1	HM	3'-0"	7'-0"	4	10			103	
A24	C	1	HM	3'-0"	7'-0"	4	10			103	
A25	A	1	HM	3'-0"	7'-0"	4	10			C201	8, 9
C101	F	4	ALUM.	6'-0"	7'-0"					C714ACM	4, 8, 9, 12
C124	C	1	HM	3'-0"	7'-0"	4	10			C201	8, 9

UNIT D - LEVEL ONE

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
8B	A	1	HM	3'-0"	7'-0"	4	10			341-STF	
8C	A	1	HM	3'-0"	7'-0"	4	10			403	
629	A	1	HM	3'-0"	7'-0"	16	10			553	
804	A	1	HM	3'-0"	7'-0"	4	10			C201	8, 9
805	A	1	HM	3'-0"	7'-0"	16	10			553	
806	A	1	HM	3'-0"	7'-0"	16	10			553	
808	A	1	HM	3'-0"	7'-0"	4	10			201H	
D101	B	1	HM	8'-0"	7'-0"	4	1/A2.82			E710H	5
D104	F	4	ALUM.	6'-0"	7'-0"					C714ACM	4, 8 , 9 ,12
K1	A	1	HM	3'-0"	7'-0"	4	10			101	
K2	A	1	HM	3'-0"	7'-0"	4	10			203	
K3	A	1	HM	3'-0"	7'-0"	16	10			553	
K4	A	1	HM	3'-0"	7'-0"	16	10			553	
K4A	A	1	HM	3'-0"	7'-0"	4	10			403	
K5	A	1	HM	3'-0"	7'-0"	16	10			553	
K5A	A	1	HM	3'-0"	7'-0"	4	10			403	
K6	A	1	HM	3'-0"	7'-0"	16	10			553	
K7	A	1	HM	3'-0"	7'-0"	16	10			553	
K8	A	1	HM	3'-0"	7'-0"	16	10			553	
K9	A	1	HM	3'-0"	7'-0"	16	10			553	
K10	A	1	HM	3'-0"	7'-0"	16	10			553	
K10A	A	1	HM	3'-0"	7'-0"	4	10			403	
K11	A	1	HM	3'-0"	7'-0"	16	10			553	
K11A	A	1	HM	3'-0"	7'-0"	4	10			403	
K12	A	1	HM	3'-0"	7'-0"	16	10			553	
K12A	A	1	HM	3'-0"	7'-0"	4	10			403	
K13	A	1	HM	3'-0"	7'-0"	16	10			553	
MK	B	2	HM	6'-0"	7'-0"					D214	9, 12

UNIT E - LEVEL ONE

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
8D	A	1	HM	3'-0"	7'-0"	4	10			341-STF	
8E	A	1	HM	3'-0"	7'-0"	4	10			807L	
8F	A	1	HM	3'-0"	7'-0"	4	10			801L	
101	A	1	HM	3'-0"	7'-0"	4	10			101	
102	A	1	HM	3'-0"	7'-0"	4	10			203	
103	C	1	HM	3'-0"	7'-0"	4	10			553	
104	C	1	HM	3'-0"	7'-0"	4	10			553	
105	C	1	HM	3'-0"	7'-0"	4	10			553	
106	A	1	HM	3'-0"	7'-0"	16	10			553	
106A	E	4	ALUM.	3'-0"	7'-0"					C715AC	8 , 9 ,12
107	A	1	HM	3'-0"	7'-0"	16	10			553	
107A	A	1	HM	3'-0"	7'-0"	4	10			403	
108	A	1	HM	3'-0"	7'-0"	16	10			553	
108A	A	1	HM	3'-0"	7'-0"	4	10			403	
109	A	1	HM	3'-0"	7'-0"	16	10			553	
110	A	1	HM	3'-0"	7'-0"	16	10			553	
111	A	1	HM	3'-0"	7'-0"	16	10			553	
112	A	1	HM	3'-0"	7'-0"	16	10			553	
113	A	1	HM	3'-0"	7'-0"	16	10			553	
113A	A	1	HM	3'-0"	7'-0"	4	10			403	
114	A	1	HM	3'-0"	7'-0"	16	10			553	
114A	A	1	HM	3'-0"	7'-0"	4	10			403	
115	A	1	HM	3'-0"	7'-0"	16	10			553	
116	A	1	HM	3'-0"	7'-0"	16	10			553	
E100	C	1	HM	3'-0"	7'-0"	4	10			751H	
E100A	E	4	ALUM.	3'-0"	7'-0"					C715AC	8, 9, 12
E102	F	4	ALUM.	6'-0"	7'-0"					C714ACM	8, 9, 12
E104	A	1	HM	3'-0"	7'-0"	4	10			203	
E106A	A ⚠2	4	HM	3'-0"	7'-0"	4	10		90 MIN	401	
E107	E	4	ALUM.	3'-0"	6'-11"					C715AC	8, 9, 12
E110	A	2	HM	3'-0"	7'-0"	4	10			203	
E111	F	4	ALUM.	6'-0"	7'-0"					C714ACM	4, 8, 9, 12
E111A	B	1	HM	8'-0"	7'-0"	4	1/A2.82			E710H	5
E128	B	1	HM	6'-0"	7'-0"	4	10			212S	
E128B	A	1	HM	3'-0"	7'-0"	4	10			341-STF	
M1	B	2	HM	6'-0"	7'-0"					D214	9, 12
M8	B	1	HM	6'-0"	7'-0"	4	10			200G	10
M9	A	1	HM	3'-0"	7'-0"	4	10		60 MIN	201G	10
5D	A	1	HM	3'-0"	7'-0"	4	10			341-STF	

UNIT F - LEVEL ONE

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
500	A	1	HM	3'-0"	7'-0"	4	10			C201	8, 9
501	A	1	HM	3'-0"	7'-0"	4	10			101	
502	A	1	HM	3'-0"	7'-0"	4	10			203	
503	A	1	HM	3'-0"	7'-0"	16	10			553	
503A	E	4	ALUM.	3'-0"	7'-0"					C715AC	8, 9, 12
504	C	1	HM	3'-0"	7'-0"	4	10			553	
504A	P	12	--	21'-11"	9'-0"					003FL1	13
505	C	1	HM	3'-0"	7'-0"	4	10			553	
506	A	1	HM	3'-0"	7'-0"	16	10			553	
506A	A	1	HM	3'-0"	7'-0"	4	10			403	
507	A	1	HM	3'-0"	7'-0"	16	10			553	
508	A	1	HM	3'-0"	7'-0"	16	10			553	
509	A	1	HM	3'-0"	7'-0"	16	10			553	
510	A	1	HM	3'-0"	7'-0"	16	10			553	
511	A	1	HM	3'-0"	7'-0"	16	10			553	
512	A	1	HM	3'-0"	7'-0"	16	10			553	
512A	A	1	HM	3'-0"	7'-0"	4	10			403	
513	A	1	HM	3'-0"	7'-0"	16	10			553	
513A	A	1	HM	3'-0"	7'-0"	4	10			403	
514	A	1	HM	3'-2"	7'-0"	16	10			553	
516	A	1	HM	3'-0"	7'-0"	16	10			553	
C5	A	1	HM	3'-0"	7'-0"	4	10			201H	
F118	F	4	ALUM.	6'-0"	7'-0"					C714ACM	4, 8, 9, 12
F118A	B	1	HM	8'-0"	7'-0"	4	1/A2.82			E710H	5
M5	B	2	HM	6'-0"	7'-0"					D214	9, 12

UNIT A1/A2 - LEVEL TWO

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
M10	B	2	HM	6'-0"	7'-0"					C214	4, 8, 9, 12

UNIT B - LEVEL TWO

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
906	C	1	HM	3'-0"	7'-0"	4	10			103	

UNIT D - LEVEL TWO

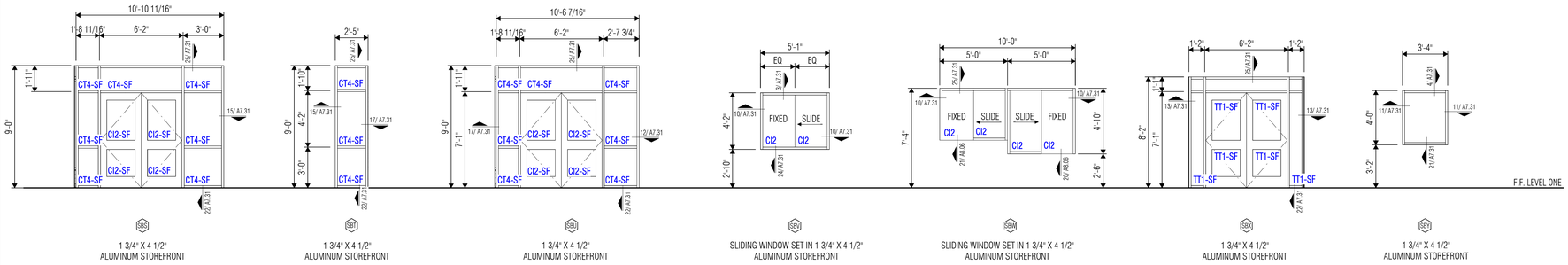
DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
2D	A	1	HM	3'-0"	7'-0"	4	10			341-STF	
201	A	1	HM	3'-0"	7'-0"	4	10			101	
201A	B	1	HM	8'-0"	7'-0"	4	1/A2.82			E710H	5
202	A	1	HM	3'-0"	7'-0"	4	10			203	
203	A	1	HM	3'-0"	6'-11 3/4"	4	10,22			CR201C	8, 9
203B	C	1	HM	3'-0"	7'-0"	4	10			103	
203C	C	1	HM	3'-0"	7'-0"	4	10			103	
203D	C	1	HM	3'-0"	7'-0"	4	10			103	
203E	C	1	HM	3'-0"	7'-0"	4	10			103	
203F	A	1	HM	3'-0"	7'-0"	4	10			203	
203G	C	1	HM	3'-0"	7'-0"	4	10			101	
204	C	1	HM	3'-0"	7'-0"	4	10			103	
204A	C	1	HM	3'-0"	7'-0"	4	10			403	
205	A	1	HM	3'-0"	7'-0"	16	10			553	
206	A	1	HM	3'-0"	7'-0"	16	10			203	
207	A	1	HM	3'-0"	7'-0"	16	10			553	
207A	A	1	HM	3'-0"	7'-0"	4	10			403	
208	A	1	HM	3'-0"	7'-0"	16	10			553	
208A	A	1	HM	3'-0"	7'-0"	4	10			403	
209	A	1	HM	3'-0"	7'-0"	16	10			553	
210	A	1	HM	3'-0"	7'-0"	16	10			553	
211	A	1	HM	3'-0"	7'-0"	16	10			553	
212	A	1	HM	3'-0"	7'-0"	16	10			553	
213	A	1	HM	3'-0"	7'-0"	16	10			553	
213A	A	1	HM	3'-0"	7'-0"	4	10			403	
214	A	1	HM	3'-0"	7'-0"	16	10			553	
214A	A	1	HM	3'-0"	7'-0"	4	10			403	
215	A	1	HM	3'-0"	7'-0"	16	10			553	
215A	A	1	HM	3'-0"	7'-0"	4	10			403	
216	A	1	HM	3'-0"	7'-0"	16	10			553	
C2	A	1	HM	3'-0"	7'-0"	4	10			201H	
M2	A	1	HM	3'-0"	7'-0"					D201G	9, 10

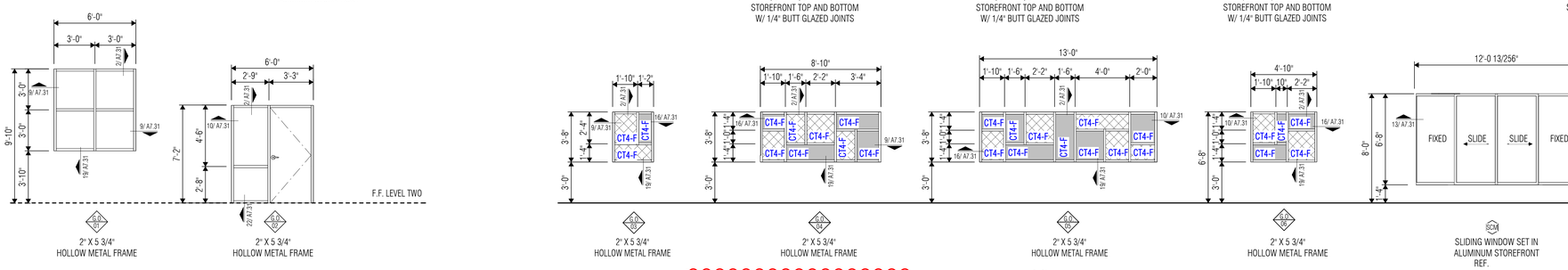
UNIT E - LEVEL TWO

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
3D	A	1	HM	3'-0"	7'-0"	4	10			341-STF	
301	A	1	HM	3'-0"	7'-0"	4	10			101	
302	A	1	HM	3'-0"	7'-0"	4	10			203	
303	A	1	HM	3'-0"	7'-0"	16	10			553	
304	A	1	HM	3'-0"	7'-0"	16	10			553	
305	A	1	HM	3'-0"	7'-0"	16	10			553	
305A	A	1	HM	3'-0"	7'-0"	4	10			403	
306	A	1	HM	3'-0"	7'-0"	16	10			553	
306A	A	1	HM	3'-0"	7'-0"	4	10			403	
307	A	1	HM	3'-0"	7'-0"	16	10			553	
308	A	1	HM	3'-0"	7'-0"	16	10			553	
309	A	1	HM	3'-0"	7'-0"	16	10			553	
310	A	1	HM	3'-0"	7'-0"	16	10			553	
311	A	1	HM	3'-0"	7'-0"	16	10			553	
311A	A	1	HM	3'-0"	7'-0"	4	10			403	
312	A	1	HM	3'-0"	7'-0"	16	10			553	
312A	A	1	HM	3'-0"	7'-0"	4	10			403	
313	A	1	HM	3'-0"	7'-0"	16	10			553	
313A	A	1	HM	3'-0"	7'-0"	4	10			403	
314	A	1	HM	3'-0"	7'-0"	16	10			553	
900	B	1	HM	6'-0"	7'-0"	4	10			212S	
901	C	1	HM	3'-0"	7'-0"	4	10			553	
902	C	1	HM	3'-0"	7'-0"	4	10			553	
903	C	1	HM	3'-0"	7'-0"	4	10			553	
904A	C	1	HM	3'-0"	7'-0"	4	10			751H	
906	C	1	HM	3'-0"	7'-0"	4	10			103	
907	C	1	HM	3'-0"	7'-0"	4	10			553	
907A	P	12	--	24'-0"	9'-0"					003FL1	13
908	C	1	HM	3'-0"	7'-0"	4	10			553	
C9	A	1	HM	3'-0"	7'-0"	4	10			D201H	9
E228	B	1	HM	8'-0"	7'-0"	4	1A/2.82			E710H	5
M3	A	1	HM	3'-0"	7'-0"	4	10			D201G	9, 10

UNIT F - LEVEL TWO

DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	DETAIL - REF. A7.11 U.N.O. HEAD	DETAIL - REF. A7.11 U.N.O. JAMB	DETAIL - REF. A7.11 U.N.O. SILL	FIRE RATING	HDWR SET	KEYED NOTES
4D	A	1	HM	3'-0"	7'-0"	4	10			341-STF	
401	A	1	HM	3'-0"	7'-0"	4	10			C201	8, 9
402	A	1	HM	3'-0"	7'-0"	4	10			101	
403	A	1	HM	3'-0"	7'-0"	4	10			203	
404	C	1	HM	3'-0"	7'-0"	4	10			553	
405	A	1	HM	3'-0"	7'-0"	16	10			553	
406	A	1	HM	3'-0"	7'-0"	16	10			553	
406A	A	1	HM	3'-0"	7'-0"	4	10			403	
407	A	1	HM	3'-0"	7'-0"	16	10			553	
407A	A	1	HM	3'-0"	7'-0"	4	10			403	
408	A	1	HM	3'-0"	7'-0"	16	10			553	
409	A	1	HM	3'-0"	7'-0"	16	10			553	
410	A	1	HM	3'-0"	7'-0"	16	10			553	
411	A	1	HM	3'-0"	7'-0"	16	10			553	
412	A	1	HM	3'-0"	7'-0"	16	10			553	
412A	A	1	HM	3'-0"	7'-0"	4	10			403	
413	A	1	HM	3'-0"	7'-0"	16	10			553	
413A	A	1	HM





GLAZING SYSTEM NOTES

1. All exterior glazing to be TT1 U.N.O.
2. All interior glazing to be CT4 U.N.O.
3. Overall dimensions of glazing system elevations reflect rough opening dimensions, inclusive of perimeter joints.
4. Provide 3/16" thick heavy wall framing members at all door frames in exterior and interior ALUMINUM STOREFRONT systems.
5. Provide 3/16" thick heavy wall door adapters at all door frame members in exterior and interior aluminum Curtain Wall systems.
6. 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.
7. Refer to 3/A7.11 for Typical Push/Pull Mounting Heights Detail for aluminum/glass doors.
8. Provide Horizontal Blinds and Shades where noted on plans. All blinds and shades to be mounted inside of window frames, break at each vertical mullion.

GLASS TYPE LEGEND

TT1	TINTED, TEMPERED, 1" THICK INSULATING GLASS
CT2	CLEAR, TEMPERED, 1/2" THICK GLASS
CT4	CLEAR, TEMPERED, 1/4" THICK GLASS
CI2	CLEAR, IMPACT-RESISTANT, 9/16" THICK LAMINATED GLASS
FT2	FROSTED, TEMPERED, 1/2" THICK GLASS
ST1	SPANDREL, TEMPERED, 1" THICK INSULATING GLASS
-F	DECORATIVE FILM OVERLAY, FIELD-APPLIED TO GLASS
-SF	SECURITY FILM, 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.

CURTAIN WALL FRAMING WITH STEEL REINFORCING PROVIDED BY MANUFACTURER.

DECORATIVE FILM PATTERN 'A'

DECORATIVE FILM PATTERN 'B'

VLK

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KATY ISD
KATY, TEXAS

REGISTERED ARCHITECT
CHARLES W. JOHNSON
20944
STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
GLAZING ASSEMBLY ELEVATIONS - INT

SHEET NO.
A7.25

New Elementary No. 49

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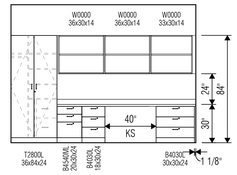
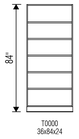


1 PRINCIPAL - EAST
SCALE: 1/4" = 1'-0"



2 PRINCIPAL - SOUTH
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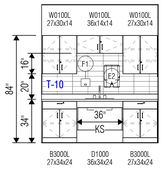

3 WETBAR - NORTH
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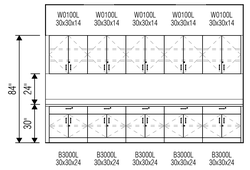
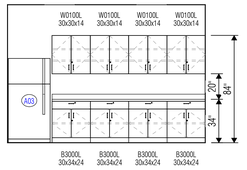
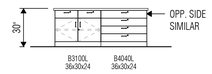


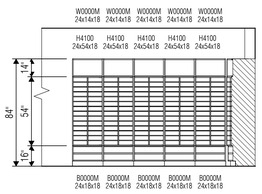
4 OFFICE WORKROOM - NORTH
SCALE: 1/4" = 1'-0"



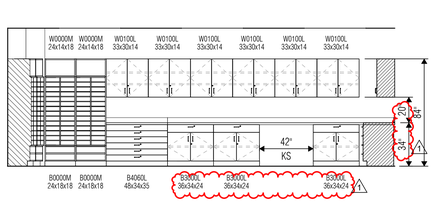
5 OFFICE WORKROOM - SOUTH
SCALE: 1/4" = 1'-0"



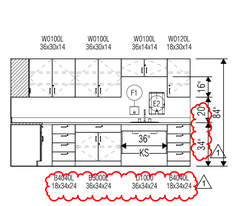
6 MAIL ROOM ISLAND
SCALE: 1/4" = 1'-0"



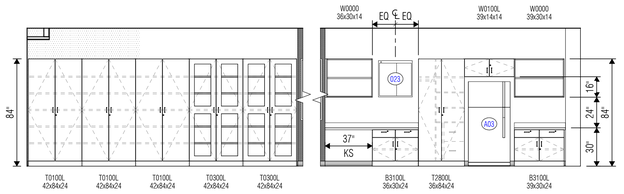
7 MAIL ROOM - NORTH
SCALE: 1/4" = 1'-0"



8 MAIL ROOM - EAST
SCALE: 1/4" = 1'-0"



9 MAIL ROOM - SOUTH
SCALE: 1/4" = 1'-0"



10 SCIENCE - NORTH
SCALE: 1/4" = 1'-0"

CASEWORK NOTES

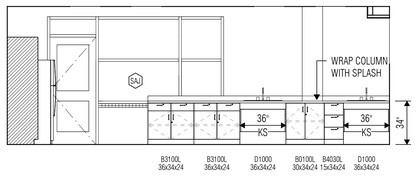
1. Casework shall meet criteria set forth in Americans with Disabilities Act and Texas Accessibility Standards.
2. All casework model numbers are based on Case Systems, Inc. Refer to casework elevations for height, width, and depth of each unit.
3. Coordinate locations of electrical and/or plumbing within casework and millwork. Notify Architect of any conflicts prior to installation.
4. Coordinate all column locations prior to installation of casework.
5. Refer to Floor Plan Notes for blocking requirements at stud partitions.
6. All adjustable shelves longer than 2'-3", and shelves of any length at open shelving units, shall be 1" thick.
7. Provide finished surface on all exposed surfaces.
8. Plastic Laminate on all casework shall be PL-01. Plastic Laminate at all countertops shall be PL-02, UNO.
9. Provide fillers and finished end panels (F.E.) as required. Refer to Detail 1/A8.07 for filler requirements.
10. Provide locks on all doors and drawers as indicated.
11. All counters shall have 4" high splashes, U.N.O.
12. At countertop locations, no joints in plastic laminate should occur over knee spaces, or within 24 inches of sinks and lavatories.
13. Casework cabinet doors and drawers shall be flush overlay.
14. Base cabinets should not extend to floor. Sub-base shall be separate and recessed 1/2" at sides of cabinet to receive rubber base.
15. Provide 1-1/2" thick divider panel between knee spaces and adjacent spaces (e.g. dishwasher openings, other knee spaces, etc.).
16. At front of casework, countertops shall extend 1/2" over base cabinet door/drawer (approximately 1-1/2" over base cabinet body). At ends of casework, countertops shall extend 1/2" over base cabinet body. Refer to Detail 1/A8.07
17. Provide custom height at all file-size drawers to be a minimum of 1'-0" deep. Provide locks at all file-size drawers.

C.S.I. Catalog Casework Number
X0000ML
WWeHhDD
L = Locked Cabinet
Casework Size

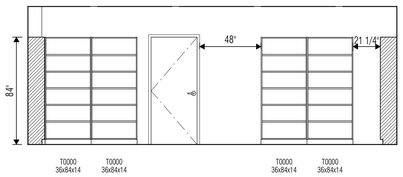
Note:
1. The height indicated at base cabinets includes the countertop.

KEYED NOTE LEGEND

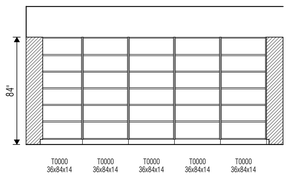
023	Goggle Cabinet
A03	Refrigerator w/ Ice Maker, CFCI
A04	Undercounter Refrigerator
A05	Dishwasher, CFCI
A07	Stacked Washer Dryer



11 SCIENCE RM 806 - EAST
SCALE: 1/4" = 1'-0"



12 BOOKROOM - NORTH
SCALE: 1/4" = 1'-0"



13 BOOKROOM - EAST
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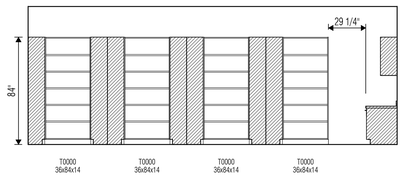

14 BOOKROOM - SOUTH
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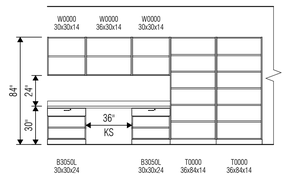
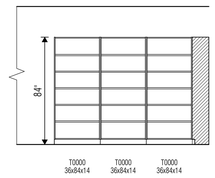


15 BOOKROOM - WEST
SCALE: 1/4" = 1'-0"



16 BOOKROOM - CENTER
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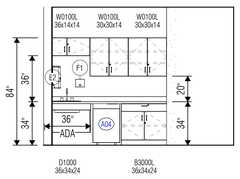
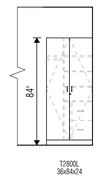
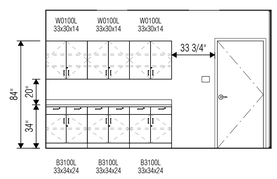


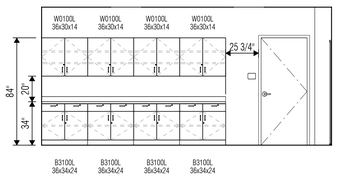
17 PERSONEL RECOVERY ROOM
SCALE: 1/4" = 1'-0"



18 PERSONAL RECOVERY
SCALE: 1/4" = 1'-0"



19 TEACHER PLANNING TYP.
SCALE: 1/4" = 1'-0"



20 TEACHER PLANNING - UNIT D
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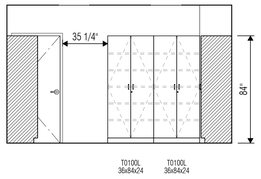
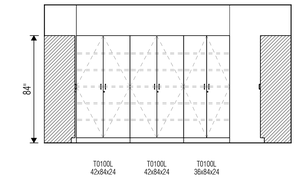


21 TEACHER STORAGE TYP. - NORTH
SCALE: 1/4" = 1'-0"



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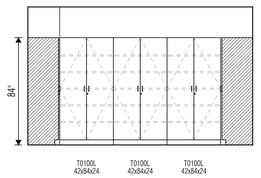
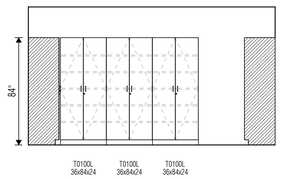


23 TEACHER STORAGE TYP. SOUTH
SCALE: 1/4" = 1'-0"



24 TEACHER STORAGE TYP. WEST
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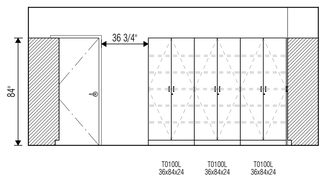

25 TEACHER STORAGE - UNIT D NORTH
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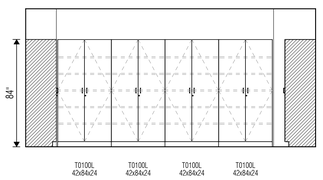

26 TEACHER STORAGE - UNIT D SOUTH
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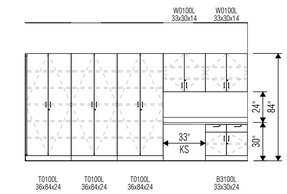
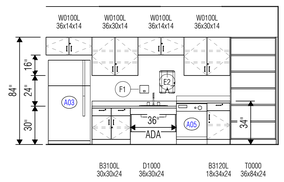
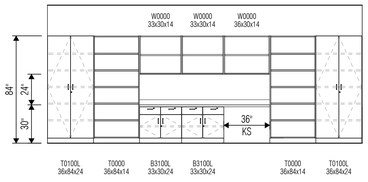


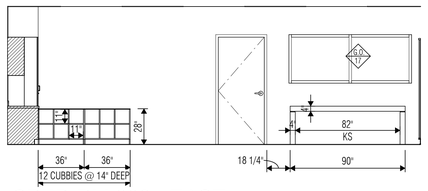
27 MOTOR SKILLS
SCALE: 1/4" = 1'-0"



28 SPED RM 802 - WEST
SCALE: 1/4" = 1'-0"



29 SPED RM 802 - NORTH
SCALE: 1/4" = 1'-0"



30 SPED RM 802 - EAST
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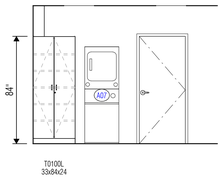

31 SPED STORAGE
SCALE: 1/4" = 1'-0"

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KATY ISD
KATY, TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
CASEWORK ELEVATIONS

SHEET NO.
A8.03

New Elementary No. 49

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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: MANUFACTURER	SERIES/STYLE	COLOR/FINISH	SIZE	COMMENTS
EXTERIOR FINISH ACCESSORY							
PMC	Premanufactured Metal Coping	07 62 00	As Specified	As Specified	As Specified	--	
PMG	Premanufactured Metal Gutters	07 62 00	As Specified	As Specified	As Specified	--	
FLOOR FINISH ACCESSORY							
FFA-01	Floor Transition	09 68 00	Johnsonite	Slim Line Transitions	69 Sterling Silver	--	Carpet to Resilient, Carpet to Resinous, Carpet to Sports, Carpet to Porcelain
FFA-02	Floor Transition	09 68 00	Johnsonite	Slim Line Transitions	69 Sterling Silver	--	Sports to Resilient
FFA-03	Floor Transition	09 68 00	Schluter	Reno-T	Satin Anodized	--	Wood to Carpet, Wood to Resilient
FFA-04	Floor Transition	09 68 00	As Specified	Marble Specified	As Specified	--	Tile to Tile
FFA-05	Floor Transition	09 68 00	Schluter	Quadec	Satin Anodized	--	Wood to LVT, Wood to Carpet
FFA-06	Floor Transition	09 68 00	Futura	LVT Stair Nosing	Etched Aluminum	--	LVT to Wood
G-01	Grout - Color A	09 30 13	Mapei	--	5107 Iron		To be Used at all Porcelain Floor Tile; T-01, T-02, T-03, T-04
SPECIALTY EQUIPMENT							
ATH	Athletic Wall Pads		PSS Performance	Wall Pads	Grey	4'-0" x 8'-0"	
DC	Display Case (Manufactured/Millwork)	11 66 00	Claridge	390 Recessed Display Case	Wilsonart Laminate: Designer White D354/Claridge FR701 1691 Quartz	--	
FEC	Fire Extinguisher Cabinet	10 44 13	As Specified	--	--	--	
HB	Horizontal Blinds	12 21 13	SWF Contract	Mini Blinds	Silver 737		
ID	Identifying Devices	10 14 00	STGS	Wilsonart; Standard Laminate	Field: French Pear 8220-38; Accent: Atlantis D25-60	--	Ref. Signage Sheets; Woodgrain to Run Vertical
LK-01	Lockers - Metal	10 51 13	Penco	As Specified	028 Gray	--	
MB	Markerboard - Premanufactured	10 11 16	Claridge	LCS Porcelain Dry Erase Whiteboard	White	--	
MR	Maprail	10 11 16	Claridge	Cork	1118 Tangerine	2"	
MS	Motorized Shades	12 24 13	Mechoshade Systems	1500 Series; Standard RTS Control System	1519 Silver Birch	AS SPECIFIED	
PC-01	Privacy Curtain	10 21 23	Construction Specialties	CSelect Fabric; Sandstone	Crystal Waters #08	--	
RS	Roller Shades	12 24 13	Mechoshade Systems	1500 Series	1519 Silver Birch	AS SPECIFIED	
SC-01	Stage Curtain - Front	11 61 00	KM Fabrics	Charisma	Copen Blue	--	
SC-02	Stage Curtain - Back	11 61 00	KM Fabrics	Charisma	Black	--	
TB-01	Tackboard - Vinyl	10 11 16	Claridge	Fabricork; Linden Pattern	KL498 Winthrope	--	To be Used at all Corridor Tackboards
TB-02	Tackboard - Fabric	10 11 16	Claridge	Guilford of Maine FR701	1690 Grey Mix	--	To be Used at all Display Cases
TC	Toilet Compartment - Solid Phenolic	10 21 13	ASI	Black Core Phenolic	Weathered Ash #9842	--	
UP	Upholstery - Classroom Benches	10 11 16	Momentum	MeldPrint	Nectar	--	
WALL FINISH ACCESSORY							
CG-01	Corner Guard	10 26 13	Construction Specialties	ACO-8	Stainless Steel	--	To be used at Kitchen; Refer to Finish Plans
CG-02	Corner Guard	10 26 13	Koroseal	Korogard GW15; CUSTOM Vinyl	To match SW 7004 Snowbound	--	Refer to Finish Plans
G-02	Grout - Color B	09 30 13	Mapei	--	5027 Silver		To be Used at Ceramic Wainscot Tile; WTP-01 (T-05, T-06, T-07, T-08)
G-03	Grout - Color C	09 30 00	Mapei	--	5231 Deep Ocean	--	To be Used at Ceramic Drinking Fountain Tile; T-09
G-04	Grout - Color D	09 30 00	Mapei	--	5077 Frost	--	To be Used at Ceramic Backsplash Tile; T-10
WFA-01	Tile Edge/Corner Trim - Metal	09 30 00	Schluter	Quadec	Anodized Aluminum	--	Top & Exposed Side Edges; Refer to Interior Details
WFA-02	Tile Edge/Corner Trim - Metal	09 30 00	Schluter	Jolly	Anodized Aluminum	--	Bottom Edges at Recessed Wall Tile Patterns; Top & Sides; Refer to Interior Elevations Details
WFA-03	Tile Edge/Corner Trim - Metal	09 30 00	Fry Reglet	Snap-In	Buffed Stainless Steel	--	To be Used at all Teaching Wall Reveals; Refer to Interior Elevations Details
WFA-04	PLAM Wall Panel Reveal	09 30 00	Fry Reglet	MWC5050	Custom Color to Match SW 6634 Copper Harbor	--	To be Used at Media Center PLAM Accent Walls; Refer to Interior Elevations Details
WFA-05	PLAM Wall Panel Reveal	09 30 00	Fry Reglet	MWC5050	Custom Color to Match SW 9149 Inky Blue	--	To be Used at Media Center PLAM Accent Walls; Refer to Interior Elevations Details
WFA-06	PLAM Wall Panel Outside Corner Termination	09 30 00	Fry Reglet	MWPT2550	Custom Color to Match SW 6634 Copper Harbor	--	To be Used at Media Center PLAM Accent Wall Corners; Refer to Interior Elevations Details
WFA-07	PLAM Wall Panel Outside Corner Termination	09 30 00	Fry Reglet	MWPT2550	Custom Color to Match SW 9149 Inky Blue	--	To be Used at Media Center PLAM Accent Wall Corners; Refer to Interior Elevations Details

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.

MATERIAL: MARK	DESCRIPTION	SPEC SECTION	MANUFACTURER INFO: MANUFACTURER	SERIES/STYLE	COLOR/FINISH	SIZE	COMMENTS
CEILING FINISH							
ACT-01	Acoustic Ceiling Tile	09 51 00	USG		White	24" x 24"	
ACT-02	Acoustic Ceiling Tile - Vinyl Coated	09 51 00	USG	Sheetrock Brand Lay-in Gypsum Ceiling Panels	White	24" x 24"	
ACT-03	Acoustic Ceiling Tile - w/ Additional Sound Insulaiton	09 51 00	USG		White	24" x 24"	
ACT-04	Acoustic Ceiling Tile - Black	09 51 00	USG		Black	24" x 24"	
ACT-05	Tectum - Tectum I Panel	09 84 13	Tectum Inc.				
GWB-01	Gypsum Wall Board - Ceiling				Ref. RCP for Paint Color	Ref. RCP	
EXTERIOR FINISH							
ACM-01	Aluminum Composite Panels	07 46 50	AlucoBond	Plus	Anodic Clear Mica		
MA-01	Brick Veneer (Field)	04 20 00				King Size	Field Color
MA-02	Brick Veneer (Accent)	04 20 00				King Size	Accent Color
MF-01	Manufactured Stone	04 73 00				Nom. 12" x 24"	
MP-01	Metal Wall Panels	07 42 13	MBCI	FW-120	Tundra	12"	
MS-01	Metal Soffit	07 41 20	MBCI	Artisan Series	Tundra	12"	
PS-01	Cement Plaster	09 91 00					
ST-01	Masonry - Natural Stone	04 43 00				3 5/8" D x 4", 6", 8" Random H and W	
FLOOR FINISH							
CO-01	Concrete, Polished	03 30 00	As Specified	--	--	--	
CO-02	Concrete, Sealed	03 30 00	As Specified	--	--	--	To be used in all janitor/mechanical rooms.
CPT-01	Carpet - Field	09 68 13	Tarkett	Colormap 11130	Pictogram 42802	Powerbond; Roll	
CPT-02	Carpet - Accent 01	09 68 13	Tarkett	Peace 11837	Expression Rhythm 38306	Powerbond; Roll	
CPT-03	Carpet - Accent 02	09 68 13	Tarkett	Grounded Harmony A0043	Close 24711	Powerbond; Roll	
CPT-04	Carpet - Accent 03	09 68 13	Tarkett	Grounded Harmony A0043	Kindred 24709	Powerbond; Roll	
CPT-05	Carpet - Accent 04	09 68 13	Tarkett	Peace 11837	Artful Rhythm 38314	Powerbond; Roll	
CPT-06	Carpet - Walk-Off	09 68 13	Tarkett	Abrasive Action II 02578	Midnight Blue 19101	Powerbond; Roll	
PF-01	Poured Floor - Epoxy	09 67 23	Sherwin Williams	Resuflor Deco Quartz; Medium Texture	Seascape	--	With 4" Integral Cove Base; Ref. Interior Details
RF-01	Resilient Floor - Field	09 65 00	Patcraft	Mark Making	Almond V-2 00150	5 mm; 6" x 48"	
RF-02	Resilient Floor - Orange Accent	09 65 00	Patcraft	Mark Making	Koi V-2 00650	5 mm; 6" x 48"	
RF-03	Resilient Floor - Blue Accent	09 65 00	Patcraft	Mark Making	Watercolor V-2 00400	5 mm; 6" x 48"	
RF-04	Resilient Floor - Dark Gray	09 65 00	Patcraft	Mark Making	Quill V-2 00560	5 mm; 6" x 48"	To be used at stage platform.
RF-05	Rubber - Stair Treads/Risers	09 65 00	Roppe	#98 Vantage Raised Circles	M627 Mariner	Ref. Stair Drawings	
SF-01	Sports Flooring - Field	09 65 66	Tarkett	Omnisports Multi-Use	Golden Maple	--	
SF-02	Sports Flooring - Blue	09 65 66	Tarkett	Omnisports Multi-Use	Blue Maple	--	
SF-03	Sports Flooring - Gray Accent	09 65 66	Tarkett	Omnisports Multi-Use	Silver Grey	--	
T-01	Porcelain Tile - Field	09 30 00	Daltile	Portfolio	Dove Grey PF04	12" x 24"	
T-02	Porcelain Tile - Orange Accent	09 30 00	Daltile	Portfolio Vivid	Orange Burst PF23	12" x 24"	
T-03	Porcelain Tile - Accent 02	09 30 00	Daltile	Portfolio Vivid	Electric Blue PF25	12" x 24"	To be flush with T-02
T-04	Porcelain Tile - Restroom Shower	09 30 00	Daltile	Keystones	Desert Gray Speckle D200	2" x 2"	To be used in restroom shower floor & wall base, refer to A3.13 Interior Elevations sheet for details.
WD-02	Wood Floor - Strip/Plank	09 64 29	Bona	--	Driftwood	--	To be used at Learning Stairs & Stage Stairs; Plain Sawn
MILLWORK & ARCHITECTURAL FINISHES							
PL-01	Plastic Laminate - Casework Cabinets & Doors	06 40 00	Wilsonart	Standard Laminate	French Pear 8220	--	
PL-02	Plastic Laminate - Casework Countertops & Windowsills	06 40 00	Wilsonart	Standard Laminate	Bianco Tessere 5048	--	
PL-03	Plastic Laminate -Orange Accent	06 40 00	Wilsonart	Standard Laminate; Matte Finish	Dragon Fire 13088-60	--	
PT-06	Paint - H.M Doors & Frames	09 91 00	Sherwin Williams	--	SW 7064 Passive	--	
QTZ-01	Quartz - Serving Line Countertops	06 40 00	Wilsonart	Quartz	River Glen Q4053	--	To be used at Serving Line Countertops; Ref. Food Service
RP-01	Resin Partition - Serving Line	09 64 00	3 Form	Varia, Sandstone F01 Finish	Fray Baltic	3/8"	To be used at Serving Line face; Ref. Food Service
WALL FINISH							
AWP-01	Acoustic Wall Panel - Field	09 84 13	AVL Systems, Inc.	Maharam Mode; 466337	047 Prediction	--	
AWP-02	Acoustic Wall Panel - Orange Accent	09 84 13	AVL Systems, Inc.	Maharam Mode; 466337	020 Carotene	--	
AWP-03	Acoustic Wall Panel - Blue Accent	09 84 13	AVL Systems, Inc.	Maharam Mode; 466337	011 Blueshift	--	
FRP	Fiberglass Reinforced Plastic Panels	09 77 00	Marlite	Standard FRP	P151 Light Gray	--	To be used in all janitor closets.
PT-01	Paint - Field	09 91 00	Sherwin Williams	--	SW 7004 Snowbound	--	Refer to RCP sheets for loctions at gyp. ceilings & fur-downs.
PT-02	Paint - Gray Accent	09 91 00	Sherwin Williams	--	SW 7658 Gray Clouds	--	Refer to RCP sheets for loctions at gyp. ceilings & fur-downs.
PT-03	Paint - Orange Accent	09 91 00	Sherwin Williams	--	SW 6634 Copper Harbor	--	Refer to RCP sheets for loctions at gyp. ceilings & fur-downs.
PT-04	Paint - Blue Accent	09 91 00	Sherwin Williams	--	SW 9149 Inky Blue	--	Refer to RCP sheets for loctions at gyp. ceilings & fur-downs.
PT-05	Paint - Stage	09 91 00	Sherwin Williams	--	SW 6258 Tricorn Black	--	Refer to RCP sheets for loctions at gyp. ceilings & fur-downs.
RB-01	Base, Rubber Coved	09 65 00	Roppe	Pinnacle Type TS	123 Charcoal	4"	
T-05	Ceramic Tile - Field	09 30 00	Daltile	Color Wheel Linear; Matte	Artic White 0790	6" x 18"	Wainscot Installation 1/3 Offset
T-06	Ceramic Tile - Gray Accent	09 30 00	Daltile	Color Wheel Linear; Matte	Desert Gray X714	6" x 18"	Wainscot Installation 1/3 Offset
T-07	Ceramic Tile - Wainscot - Orange Accent	09 30 00	Daltile	Color Wheel Linear; Matte	Orange Burst 7097	6" x 18"	Wainscot Installation 1/3 Offset
T-08	Ceramic Tile - Wainscot - Blue Accent	09 30 00	Daltile	Color Wheel Linear; Matte	Navy K789	6" x 18"	Wainscot Installation 1/3 Offset
T-09	Ceramic Tile - Accent - Drinking Fountains	09 30 00	Trinity Surfaces	Arabella; Fluted Glossy	Tide	2" x 10"	Vertical Offset Installation
T-10	Ceramic Tile - Accent - Backsplash	09 30 00	Concept Surfaces	Virginia; Glossy	Angora	4" x 12"	Stacked Installation; Ref. Casework Sheets for locations
VWC-01	Vinyl Wallcovering - Field	09 72 16	Koroseal	Desert Sand; CUSTOM	To match SW 7004 Snowbound; 50807	--	
VWC-02	Vinyl Wallcovering - Gray Accent	09 72 16	Koroseal	Desert Sand; CUSTOM	To match SW 7658 Gray Clouds; 50806	--	
VWC-03	Vinyl Wallcovering - Orange Accent	09 72 16	Koroseal	Desert Sand; CUSTOM	To match SW 6634 Copper Harbor; 50805	--	
VWC-04	Vinyl Wallcovering - Blue Accent	09 72 16	Koroseal	Desert Sand; CUSTOM	To match SW 9149 Inky Blue; 50804	--	
WD-01	Wood Accent - Stain	06 40 00	Bona	--	Driftwood	--	To be used at Learning Stairs Walls & Wood Wall Accents; Rift Sawn

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01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 02	12/18/2025
2 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
MATERIAL FINISH SCHEDULES

SHEET NO.
A9.00

New Elementary No. 49

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1 INTERIOR FINISH PLAN - LEVEL 1 - UNIT A1
SCALE: 1/8" = 1'-0"

FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. All exit signs, penetrations, wall clocks, etc. not to be mounted on top of acoustic panels. Acoustic panels should not be cut to accomodate devices. GC to coordinate location of devices to avoid any conflicts.
   - C. **Plastic Laminate**
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. Window Sills shall be PL-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted as noted on reflected ceiling plans. All sides of furr down to be painted to match specified color.
3. **Floor Finishes**
   - A. Refer to Interior Finish Plans for floor finish patterns.
   - B. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - C. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - D. Level and float flooring at public corridor walls.
   - E. Provide floor transitions to match flooring thickness.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. RF: Rake brick joint at floor level and install sealant between RF and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.

1. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. Provide CG-02 at all outside gyp. bd. corners, whether indication on finish plans or not. CG-02 should go to ceiling.
   - C. Provide CG-01 at all corners of kitchen/serving line.
   - D. **Vinyl Wallcovering Information**:
     - a. No vinyl wallcovering should be terminated at an outside corner. All vinyl wallcovering to wrap to inside corner, unless noted otherwise.
     - b. If vinyl wallcovering changes color at a corner, a full height corner guard is to be used.
     - c. Provide CG-02 at all exposed vinyl wall covering locations.
     - d. All interior walls to be vinyl wallcovering, VWC-01, unless noted otherwise. No exterior walls to recieve vinyl wallcovering.
   - E. **Paint Information:**
     - a. **Interior Paint**
       - All exterior walls with gyp. bd. interior are to be painted PT-01, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-06, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-06, unless noted otherwise.
       - Hollow metal glazed opening frames shall be painted PT-06, unless noted otherwise.
2. **Tiling**
   - A. Refer to Detail 6/A3.16 for typical porcelain tile wainscot wall pattern.
   - B. Refer to Sheet A3.16 for typical toilet room wall patterns.
   - C. Refer to Detail 9/A3.16 for drinking fountain wall tile pattern.
   - D. At outside corners and exposed edges of ceramic or porcelain tile, provide anodized aluminum trim, unless otherwise detailed.
   - E. Provide WFA-01 at all outside and/or exposed tile locations (top, bottom, and corners) in corridors, whether indicated on finish plans or not.
   - F. Provide WFA-02 at all bottom edges at recessed wall tile patterns.

WALL FINISH LEGEND

	T	TILE
▬▬▬	WTP-01	TILE - WAINSCOT
▬ ▬ ▬	WTP-02	TILE - GROUP RR
▬ ▬ ▬	WTP-03	TILE - SINGLE RR
▬•▬•▬	WTP-04	TILE - GROUP RR ACCENT
	CG	CORNER GUARD
	PT	PAINT
	VWC	VINYL WALLCOVERING

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KATY ISD
KATY, TEXAS

REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 02	12/18/2025
2	Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT INTERIOR FINISH PLAN - LEVEL 1 - UNIT A1

SHEET NO.
A9.11A1

New Elementary No. 49

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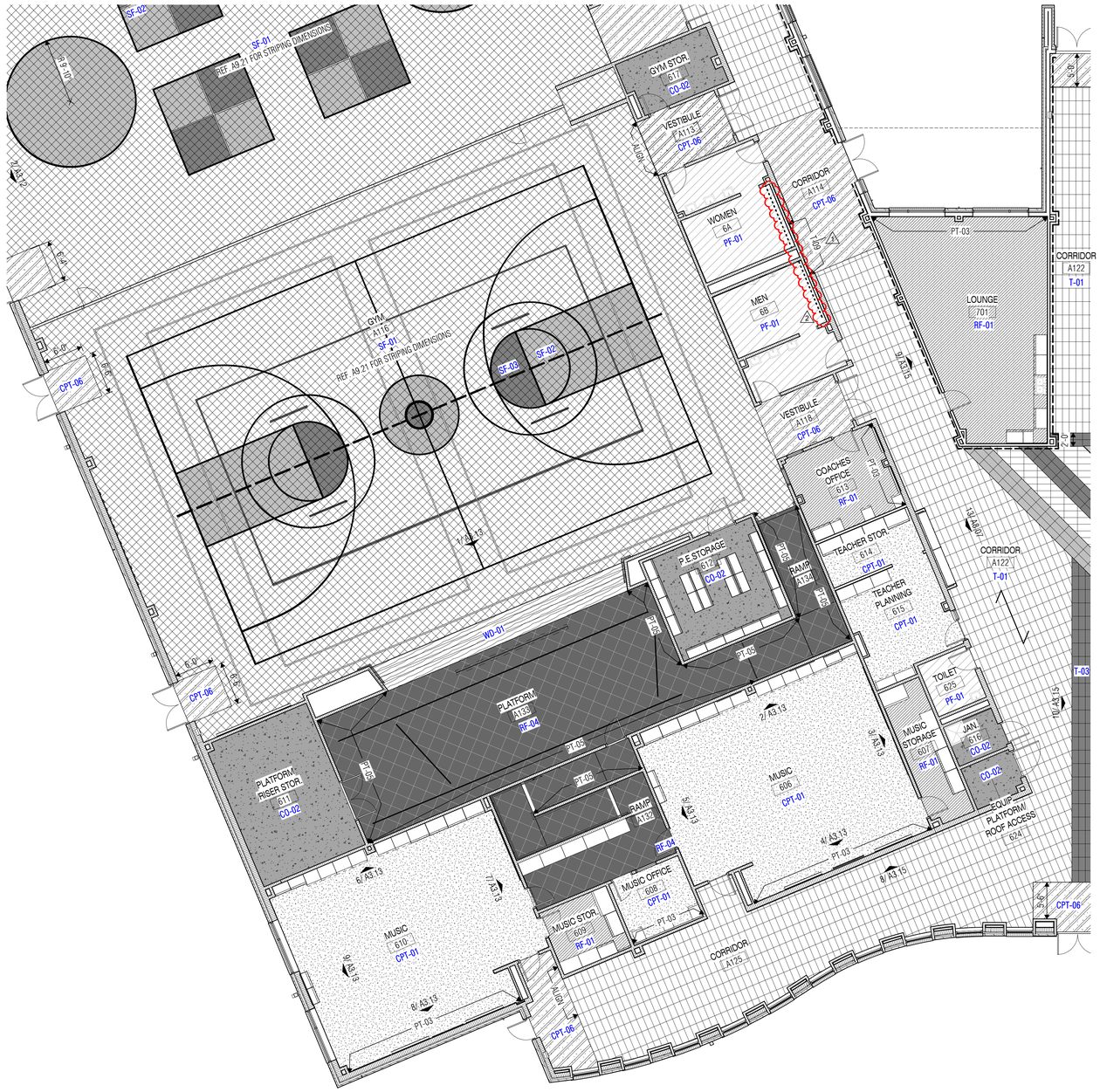

1 INTERIOR FINISH PLAN - LEVEL 1 - UNIT A2
SCALE: 1/8" = 1'-0"

FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. All exit signs, penetrations, wall clocks, etc. not to be mounted on top of acoustic panels. Acoustic panels should not be cut to accomodate devices. GC to coordinate location of devices to avoid any conflicts.
   - C. **Plastic Laminate**
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. Window Sills shall be PL-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted as noted on reflected ceiling plans. All sides of furr down to be painted to match specified color.
3. **Floor Finishes**
   - A. Refer to Interior Finish Plans for floor finish patterns.
   - B. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - C. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - D. Level and float flooring at public corridor walls.
   - E. Provide floor transitions to match flooring thickness.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. RF: Rake brick joint at floor level and install sealant between RF and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.

1. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. Provide CG-02 at all outside gyp. bd. corners, whether indication on finish plans or not. CG-02 should go to ceiling.
   - C. Provide CG-01 at all corners of kitchen/serving line.
   - D. **Vinyl Wallcovering Information**:
     - a. No vinyl wallcovering should be terminated at an outside corner. All vinyl wallcovering to wrap to inside corner, unless noted otherwise.
     - b. If vinyl wallcovering changes color at a corner, a full height corner guard is to be used.
     - c. Provide CG-02 at all exposed vinyl wall covering locations.
     - d. All interior walls to be vinyl wallcovering, VWC-01, unless noted otherwise. No exterior walls to recieve vinyl wallcovering.
   - E. **Paint Information:**
     - a. **Interior Paint**
       - All exterior walls with gyp. bd. interior are to be painted PT-01, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-06, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-06, unless noted otherwise.
       - Hollow metal glazed opening frames shall be painted PT-06, unless noted otherwise.
2. **Tiling**
   - A. Refer to Detail 6/A3.16 for typical porcelain tile wainscot wall pattern.
   - B. Refer to Sheet A3.16 for typical toilet room wall patterns.
   - C. Refer to Detail 9/A3.16 for drinking fountain wall tile pattern.
   - D. At outside corners and exposed edges of ceramic or porcelain tile, provide anodized aluminum trim, unless otherwise detailed.
   - E. Provide WFA-01 at all outside and/or exposed tile locations (top, bottom, and corners) in corridors, whether indicated on finish plans or not.
   - F. Provide WFA-02 at all bottom edges at recessed wall tile patterns.

WALL FINISH LEGEND

	T	TILE
	WTP-01	TILE - WAINSCOT
	WTP-02	TILE - GROUP RR
	WTP-03	TILE - SINGLE RR
	WTP-04	TILE - GROUP RR ACCENT
	CG	CORNER GUARD
	PT	PAINT
	VWC	VINYL WALLCOVERING

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2 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT INTERIOR FINISH PLAN - LEVEL 1 - UNIT A2

SHEET NO.
A9.11A2

New Elementary No. 49

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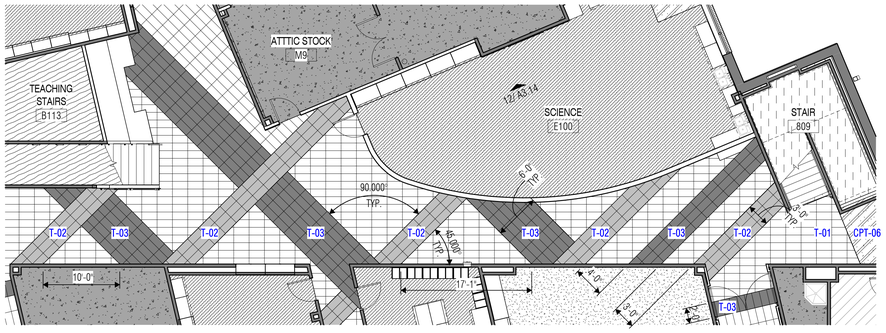
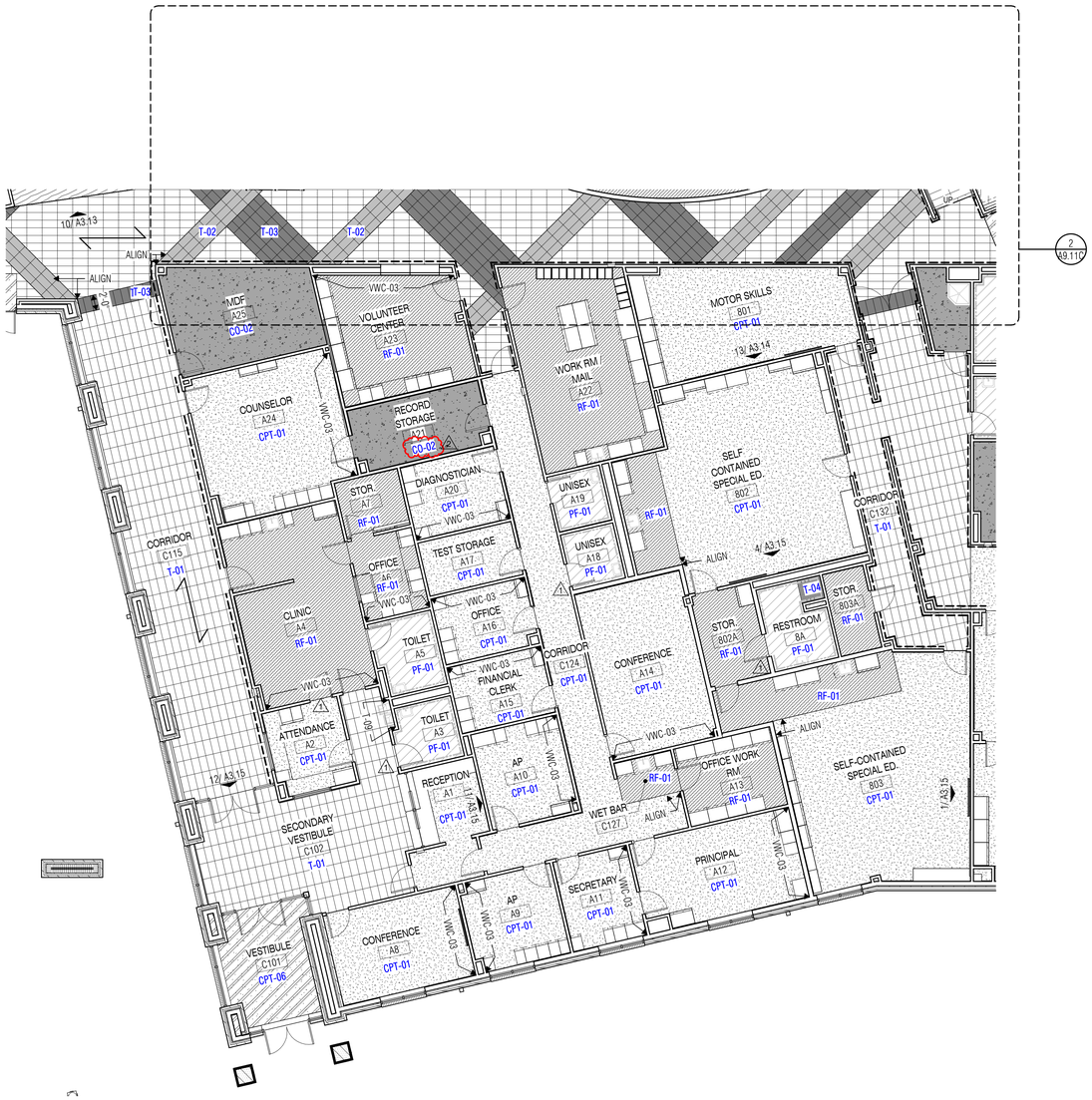


2 ACCENT TILE FLOOR PATTERN - UNIT C

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



1 INTERIOR FINISH PLAN - LEVEL 1 - UNIT C

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

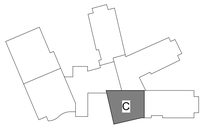
FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. All exit signs, penetrations, wall clocks, etc. not to be mounted on top of acoustic panels. Acoustic panels should not be cut to accomodate devices. GC to coordinate location of devices to avoid any conflicts.
   - C. **Plastic Laminate**
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. Window Sills shall be PL-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted as noted on reflected ceiling plans. All sides of furr down to be painted to match specified color.
3. **Floor Finishes**
   - A. Refer to Interior Finish Plans for floor finish patterns.
   - B. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - C. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - D. Level and float flooring at public corridor walls.
   - E. Provide floor transitions to match flooring thickness.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. RF: Rake brick joint at floor level and install sealant between RF and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.

1. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. Provide CG-02 at all outside gyp. bd. corners, whether indication on finish plans or not. CG-02 should go to ceiling.
   - C. Provide CG-01 at all corners of kitchen/serving line.
   - D. **Vinyl Wallcovering Information**:
     - a. No vinyl wallcovering should be terminated at an outside corner. All vinyl wallcovering to wrap to inside corner, unless noted otherwise.
     - b. If vinyl wallcovering changes color at a corner, a full height corner guard is to be used.
     - c. Provide CG-02 at all exposed vinyl wall covering locations.
     - d. All interior walls to be vinyl wallcovering, VWC-01, unless noted otherwise. No exterior walls to recieve vinyl wallcovering.
   - E. **Paint Information:**
     - a. **Interior Paint**
       - All exterior walls with gyp. bd. interior are to be painted PT-01, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-06, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-06, unless noted otherwise.
       - Hollow metal glazed opening frames shall be painted PT-06, unless noted otherwise.
2. **Tiling**
   - A. Refer to Detail 6/A3.16 for typical porcelain tile wainscot wall pattern.
   - B. Refer to Sheet A3.16 for typical toilet room wall patterns.
   - C. Refer to Detail 9/A3.16 for drinking fountain wall tile pattern.
   - D. At outside corners and exposed edges of ceramic or porcelain tile, provide anodized aluminum trim, unless otherwise detailed.
   - E. Provide WFA-01 at all outside and/or exposed tile locations (top, bottom, and corners) in corridors, whether indicated on finish plans or not.
   - F. Provide WFA-02 at all bottom edges at recessed wall tile patterns.

WALL FINISH LEGEND

	T	TILE
▬▬▬	WTP-01	TILE - WAINSCOT
- - -	WTP-02	TILE - GROUP RR
———	WTP-03	TILE - SINGLE RR
▪▪▪▪	WTP-04	TILE - GROUP RR ACCENT
	CG	CORNER GUARD
	PT	PAINT
	VWC	VINYL WALLCOVERING



KEY PLAN

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REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 02	12/18/2025
2	Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT INTERIOR FINISH PLAN - LEVEL 1 - UNIT C

SHEET NO.
A9.11C

New Elementary No. 49

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1 INTERIOR FINISH PLAN - LEVEL 1 - UNIT D

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

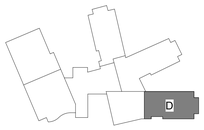
FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. All exit signs, penetrations, wall clocks, etc. not to be mounted on top of acoustic panels. Acoustic panels should not be cut to accomodate devices. GC to coordinate location of devices to avoid any conflicts.
   - C. **Plastic Laminate**
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. Window Sills shall be PL-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted as noted on reflected ceiling plans. All sides of furr down to be painted to match specified color.
3. **Floor Finishes**
   - A. Refer to Interior Finish Plans for floor finish patterns.
   - B. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - C. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - D. Level and float flooring at public corridor walls.
   - E. Provide floor transitions to match flooring thickness.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. RF: Rake brick joint at floor level and install sealant between RF and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.

1. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. Provide CG-02 at all outside gyp. bd. corners, whether indication on finish plans or not. CG-02 should go to ceiling.
   - C. Provide CG-01 at all corners of kitchen/serving line.
   - D. **Vinyl Wallcovering Information**:
     - a. No vinyl wallcovering should be terminated at an outside corner. All vinyl wallcovering to wrap to inside corner, unless noted otherwise.
     - b. If vinyl wallcovering changes color at a corner, a full height corner guard is to be used.
     - c. Provide CG-02 at all exposed vinyl wall covering locations.
     - d. All interior walls to be vinyl wallcovering, VWC-01, unless noted otherwise. No exterior walls to recieve vinyl wallcovering.
   - E. **Paint Information:**
     - a. **Interior Paint**
       - All exterior walls with gyp. bd. interior are to be painted PT-01, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-06, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-06, unless noted otherwise.
       - Hollow metal glazed opening frames shall be painted PT-06, unless noted otherwise.
2. **Tiling**
   - A. Refer to Detail 6/A3.16 for typical porcelain tile wainscot wall pattern.
   - B. Refer to Sheet A3.16 for typical toilet room wall patterns.
   - C. Refer to Detail 9/A3.16 for drinking fountain wall tile pattern.
   - D. At outside corners and exposed edges of ceramic or porcelain tile, provide anodized aluminum trim, unless otherwise detailed.
   - E. Provide WFA-01 at all outside and/or exposed tile locations (top, bottom, and corners) in corridors, whether indicated on finish plans or not.
   - F. Provide WFA-02 at all bottom edges at recessed wall tile patterns.

WALL FINISH LEGEND

	T	TILE
	WTP-01	TILE - WAINSCOT
	WTP-02	TILE - GROUP RR
	WTP-03	TILE - SINGLE RR
	WTP-04	TILE - GROUP RR ACCENT
	CG	CORNER GUARD
	PT	PAINT
	VWC	VINYL WALLCOVERING



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2	Addendum 04	01/15/2026

Director Charles Johnson

Proj. Arch. Casey Palmer

PROJECT NO.

24-102.00

SHEET TITLE

UNIT INTERIOR FINISH PLAN - LEVEL 1 - UNIT D

SHEET NO.

A9.11D

New Elementary No. 49

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FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. All exit signs, penetrations, wall clocks, etc. not to be mounted on top of acoustic panels. Acoustic panels should not be cut to accomodate devices. GC to coordinate location of devices to avoid any conflicts.
   - C. **Plastic Laminate**
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. Window Sills shall be PL-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted as noted on reflected ceiling plans. All sides of furr down to be painted to match specified color.
3. **Floor Finishes**
   - A. Refer to Interior Finish Plans for floor finish patterns.
   - B. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - C. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - D. Level and float flooring at public corridor walls.
   - E. Provide floor transitions to match flooring thickness.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. RF: Rake brick joint at floor level and install sealant between RF and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.

1. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. Provide CG-02 at all outside gyp. bd. corners, whether indication on finish plans or not. CG-02 should go to ceiling.
   - C. Provide CG-01 at all corners of kitchen/serving line.
   - D. **Vinyl Wallcovering Information**:
     - a. No vinyl wallcovering should be terminated at an outside corner. All vinyl wallcovering to wrap to inside corner, unless noted otherwise.
     - b. If vinyl wallcovering changes color at a corner, a full height corner guard is to be used.
     - c. Provide CG-02 at all exposed vinyl wall covering locations.
     - d. All interior walls to be vinyl wallcovering, VWC-01, unless noted otherwise. No exterior walls to recieve vinyl wallcovering.
   - E. **Paint Information:**
     - a. **Interior Paint**
       - All exterior walls with gyp. bd. interior are to be painted PT-01, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-06, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-06, unless noted otherwise.
       - Hollow metal glazed opening frames shall be painted PT-06, unless noted otherwise.
2. **Tiling**
   - A. Refer to Detail 6/A3.16 for typical porcelain tile wainscot wall pattern.
   - B. Refer to Sheet A3.16 for typical toilet room wall patterns.
   - C. Refer to Detail 9/A3.16 for drinking fountain wall tile pattern.
   - D. At outside corners and exposed edges of ceramic or porcelain tile, provide anodized aluminum trim, unless otherwise detailed.
   - E. Provide WFA-01 at all outside and/or exposed tile locations (top, bottom, and corners) in corridors, whether indicated on finish plans or not.
   - F. Provide WFA-02 at all bottom edges at recessed wall tile patterns.

WALL FINISH LEGEND

	T	TILE
▬▬▬	WTP-01	TILE - WAINSCOT
- - - -	WTP-02	TILE - GROUP RR
———	WTP-03	TILE - SINGLE RR 1
▪▪▪▪	WTP-04	TILE - GROUP RR ACCENT 2
	CG	CORNER GUARD
	PT	PAINT
	VWC	VINYL WALLCOVERING

1 INTERIOR FINISH PLAN - LEVEL 1 - UNIT E
SCALE: 1/8" = 1'-0"

KEY PLAN

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Proj. Arch. Casey Palmer

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SHEET TITLE
UNIT INTERIOR FINISH PLAN - LEVEL 1 - UNIT E

SHEET NO.
A9.11E

New Elementary No. 49

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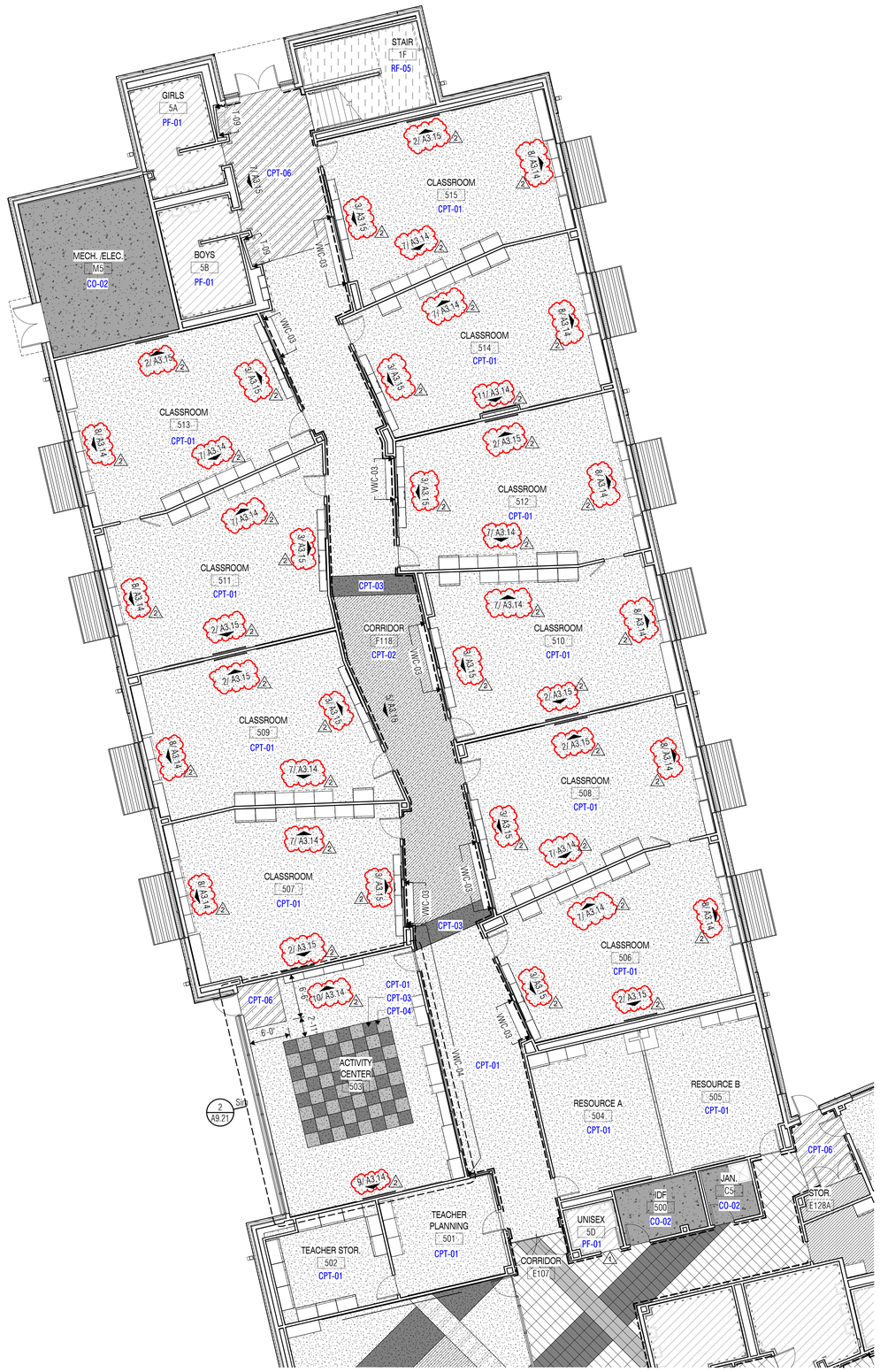

1 INTERIOR FINISH PLAN - LEVEL 1 - UNIT F
SCALE: 1/8" = 1'-0"

FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. All exit signs, penetrations, wall clocks, etc. not to be mounted on top of acoustic panels. Acoustic panels should not be cut to accomodate devices. GC to coordinate location of devices to avoid any conflicts.
   - C. **Plastic Laminate**
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     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. Window Sills shall be PL-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
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   - D. All interior gyp. bd. furr-downs to be painted as noted on reflected ceiling plans. All sides of furr down to be painted to match specified color.
3. **Floor Finishes**
   - A. Refer to Interior Finish Plans for floor finish patterns.
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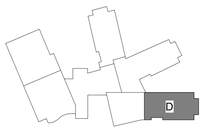
1. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. Provide CG-02 at all outside gyp. bd. corners, whether indication on finish plans or not. CG-02 should go to ceiling.
   - C. Provide CG-01 at all corners of kitchen/serving line.
   - D. **Vinyl Wallcovering Information**:
     - a. No vinyl wallcovering should be terminated at an outside corner. All vinyl wallcovering to wrap to inside corner, unless noted otherwise.
     - b. If vinyl wallcovering changes color at a corner, a full height corner guard is to be used.
     - c. Provide CG-02 at all exposed vinyl wall covering locations.
     - d. All interior walls to be vinyl wallcovering, VWC-01, unless noted otherwise. No exterior walls to recieve vinyl wallcovering.
   - E. **Paint Information:**
     - a. **Interior Paint**
       - All exterior walls with gyp. bd. interior are to be painted PT-01, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-06, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-06, unless noted otherwise.
       - Hollow metal glazed opening frames shall be painted PT-06, unless noted otherwise.
2. **Tiling**
   - A. Refer to Detail 6/A3.16 for typical porcelain tile wainscot wall pattern.
   - B. Refer to Sheet A3.16 for typical toilet room wall patterns.
   - C. Refer to Detail 9/A3.16 for drinking fountain wall tile pattern.
   - D. At outside corners and exposed edges of ceramic or porcelain tile, provide anodized aluminum trim, unless otherwise detailed.
   - E. Provide WFA-01 at all outside and/or exposed tile locations (top, bottom, and corners) in corridors, whether indicated on finish plans or not.
   - F. Provide WFA-02 at all bottom edges at recessed wall tile patterns.

WALL FINISH LEGEND

T		TILE
WTP-01		TILE - WAINSCOT
WTP-02		TILE - GROUP RR
WTP-03		TILE - SINGLE RR
WTP-04		TILE - GROUP RR ACCENT
CG		CORNER GUARD
PT		PAINT
VWC		VINYL WALLCOVERING

KEY PLAN



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CHARLES W. JOHNSON 20944 REGISTERED ARCHITECT STATE OF TEXAS
01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 02	12/18/2025
2	Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT INTERIOR FINISH PLAN - LEVEL 1 - UNIT F

SHEET NO.
A9.11F

New Elementary No. 49

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1 INTERIOR FINISH PLAN - LEVEL 2 - UNIT D

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

FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. All exit signs, penetrations, wall clocks, etc. not to be mounted on top of acoustic panels. Acoustic panels should not be cut to accomodate devices. GC to coordinate location of devices to avoid any conflicts.
   - C. **Plastic Laminate**
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. Window Sills shall be PL-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted as noted on reflected ceiling plans. All sides of furr down to be painted to match specified color.
3. **Floor Finishes**
   - A. Refer to Interior Finish Plans for floor finish patterns.
   - B. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - C. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - D. Level and float flooring at public corridor walls.
   - E. Provide floor transitions to match flooring thickness.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. RF: Rake brick joint at floor level and install sealant between RF and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.

1. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. Provide CG-02 at all outside gyp. bd. corners, whether indication on finish plans or not. CG-02 should go to ceiling.
   - C. Provide CG-01 at all corners of kitchen/serving line.
   - D. **Vinyl Wallcovering Information**:
     - a. No vinyl wallcovering should be terminated at an outside corner. All vinyl wallcovering to wrap to inside corner, unless noted otherwise.
     - b. If vinyl wallcovering changes color at a corner, a full height corner guard is to be used.
     - c. Provide CG-02 at all exposed vinyl wall covering locations.
     - d. All interior walls to be vinyl wallcovering, VWC-01, unless noted otherwise. No exterior walls to recieve vinyl wallcovering.
   - E. **Paint Information:**
     - a. **Interior Paint**
       - All exterior walls with gyp. bd. interior are to be painted PT-01, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-06, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-06, unless noted otherwise.
       - Hollow metal glazed opening frames shall be painted PT-06, unless noted otherwise.
2. **Tiling**
   - A. Refer to Detail 6/A3.16 for typical porcelain tile wainscot wall pattern.
   - B. Refer to Sheet A3.16 for typical toilet room wall patterns.
   - C. Refer to Detail 9/A3.16 for drinking fountain wall tile pattern.
   - D. At outside corners and exposed edges of ceramic or porcelain tile, provide anodized aluminum trim, unless otherwise detailed.
   - E. Provide WFA-01 at all outside and/or exposed tile locations (top, bottom, and corners) in corridors, whether indicated on finish plans or not.
   - F. Provide WFA-02 at all bottom edges at recessed wall tile patterns.

WALL FINISH LEGEND

	T	TILE
	WTP-01	TILE - WAINSCOT
	WTP-02	TILE - GROUP RR
	WTP-03	TILE - SINGLE RR
	WTP-04	TILE - GROUP RR ACCENT
	CG	CORNER GUARD
	PT	PAINT
	VWC	VINYL WALLCOVERING

KEY PLAN

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REGISTERED ARCHITECT
CHARLES W. JOHNSON
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01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 02	12/18/2025
2 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT INTERIOR FINISH PLAN - LEVEL 2 - UNIT D

SHEET NO.
A9.12D

New Elementary No. 49

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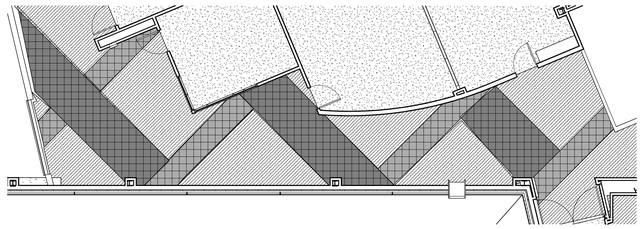


2 ACCENT LVT FLOOR PATTERN - LEVEL 2 - UNIT E

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

1 INTERIOR FINISH PLAN - LEVEL 2 - UNIT E

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

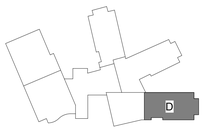
FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. All exit signs, penetrations, wall clocks, etc. not to be mounted on top of acoustic panels. Acoustic panels should not be cut to accomodate devices. GC to coordinate location of devices to avoid any conflicts.
   - C. **Plastic Laminate**
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. Window Sills shall be PL-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted as noted on reflected ceiling plans. All sides of furr down to be painted to match specified color.
3. **Floor Finishes**
   - A. Refer to Interior Finish Plans for floor finish patterns.
   - B. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - C. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - D. Level and float flooring at public corridor walls.
   - E. Provide floor transitions to match flooring thickness.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. RF: Rake brick joint at floor level and install sealant between RF and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.

1. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. Provide CG-02 at all outside gyp. bd. corners, whether indication on finish plans or not. CG-02 should go to ceiling.
   - C. Provide CG-01 at all corners of kitchen/serving line.
   - D. **Vinyl Wallcovering Information**:
     - a. No vinyl wallcovering should be terminated at an outside corner. All vinyl wallcovering to wrap to inside corner, unless noted otherwise.
     - b. If vinyl wallcovering changes color at a corner, a full height corner guard is to be used.
     - c. Provide CG-02 at all exposed vinyl wall covering locations.
     - d. All interior walls to be vinyl wallcovering, VWC-01, unless noted otherwise. No exterior walls to recieve vinyl wallcovering.
   - E. **Paint Information:**
     - a. **Interior Paint**
       - All exterior walls with gyp. bd. interior are to be painted PT-01, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-06, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-06, unless noted otherwise.
       - Hollow metal glazed opening frames shall be painted PT-06, unless noted otherwise.
2. **Tiling**
   - A. Refer to Detail 6/A3.16 for typical porcelain tile wainscot wall pattern.
   - B. Refer to Sheet A3.16 for typical toilet room wall patterns.
   - C. Refer to Detail 9/A3.16 for drinking fountain wall tile pattern.
   - D. At outside corners and exposed edges of ceramic or porcelain tile, provide anodized aluminum trim, unless otherwise detailed.
   - E. Provide WFA-01 at all outside and/or exposed tile locations (top, bottom, and corners) in corridors, whether indicated on finish plans or not.
   - F. Provide WFA-02 at all bottom edges at recessed wall tile patterns.

WALL FINISH LEGEND

	T	TILE
▬▬▬	WTP-01	TILE - WAINSCOT
- - -	WTP-02	TILE - GROUP RR
▬ ▬ ▬	WTP-03	TILE - SINGLE RR
▬ · ▬	WTP-04	TILE - GROUP RR ACCENT
	CG	CORNER GUARD
	PT	PAINT
	VWC	VINYL WALLCOVERING



KEY PLAN

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REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 02	12/18/2025
2	Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT INTERIOR FINISH PLAN - LEVEL 2 - UNIT E

SHEET NO.
A9.12E

New Elementary No. 49

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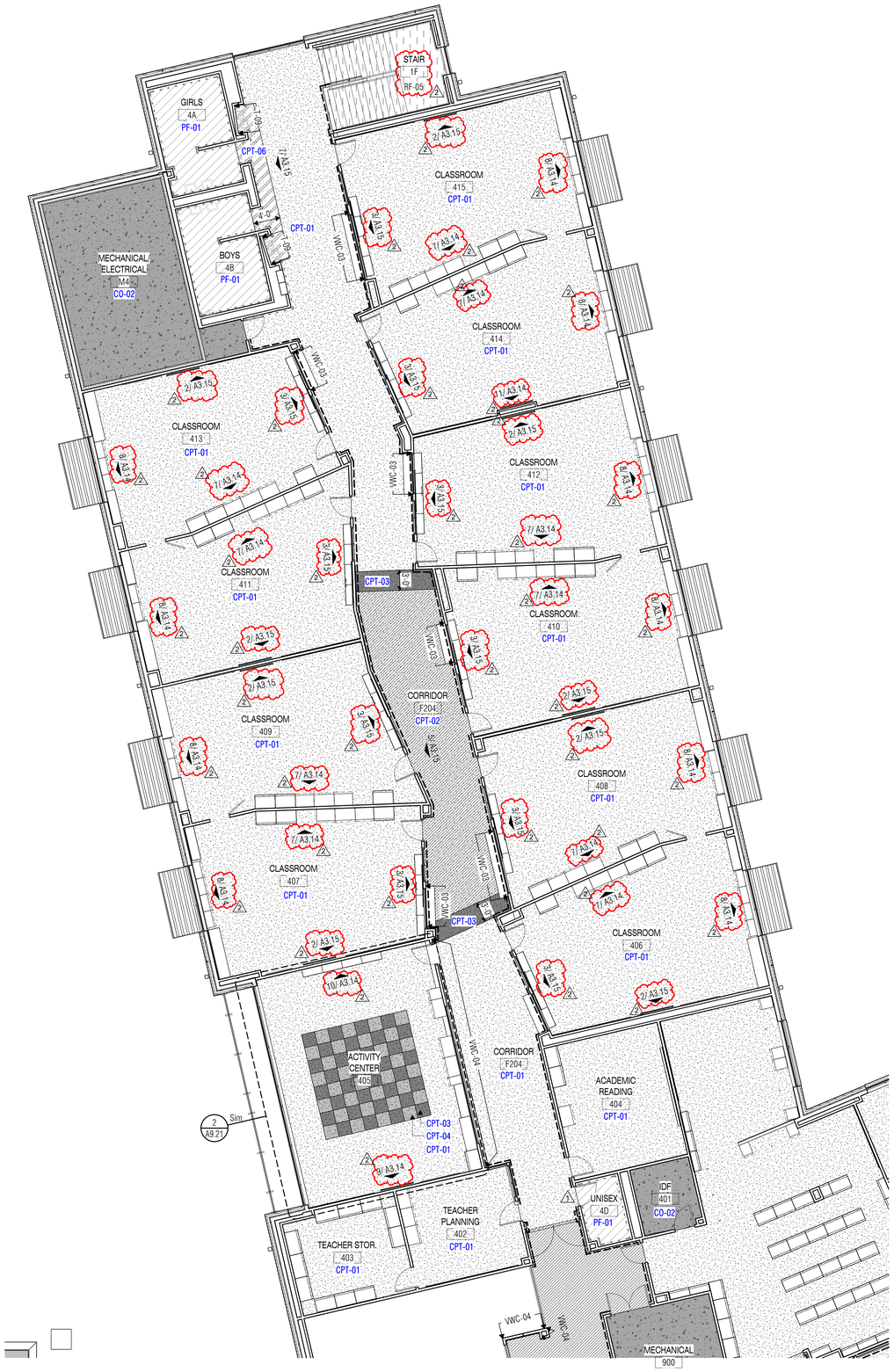


1 INTERIOR FINISH PLAN - LEVEL 2 - UNIT F

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

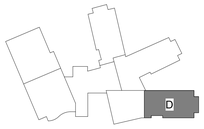
FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. All exit signs, penetrations, wall clocks, etc. not to be mounted on top of acoustic panels. Acoustic panels should not be cut to accomodate devices. GC to coordinate location of devices to avoid any conflicts.
   - C. **Plastic Laminate**
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. Window Sills shall be PL-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted as noted on reflected ceiling plans. All sides of furr down to be painted to match specified color.
3. **Floor Finishes**
   - A. Refer to Interior Finish Plans for floor finish patterns.
   - B. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - C. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - D. Level and float flooring at public corridor walls.
   - E. Provide floor transitions to match flooring thickness.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. RF: Rake brick joint at floor level and install sealant between RF and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.

1. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. Provide CG-02 at all outside gyp. bd. corners, whether indication on finish plans or not. CG-02 should go to ceiling.
   - C. Provide CG-01 at all corners of kitchen/serving line.
   - D. **Vinyl Wallcovering Information**:
     - a. No vinyl wallcovering should be terminated at an outside corner. All vinyl wallcovering to wrap to inside corner, unless noted otherwise.
     - b. If vinyl wallcovering changes color at a corner, a full height corner guard is to be used.
     - c. Provide CG-02 at all exposed vinyl wall covering locations.
     - d. All interior walls to be vinyl wallcovering, VWC-01, unless noted otherwise. No exterior walls to recieve vinyl wallcovering.
   - E. **Paint Information:**
     - a. **Interior Paint**
       - All exterior walls with gyp. bd. interior are to be painted PT-01, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-06, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-06, unless noted otherwise.
       - Hollow metal glazed opening frames shall be painted PT-06, unless noted otherwise.
2. **Tiling**
   - A. Refer to Detail 6/A3.16 for typical porcelain tile wainscot wall pattern.
   - B. Refer to Sheet A3.16 for typical toilet room wall patterns.
   - C. Refer to Detail 9/A3.16 for drinking fountain wall tile pattern.
   - D. At outside corners and exposed edges of ceramic or porcelain tile, provide anodized aluminum trim, unless otherwise detailed.
   - E. Provide WFA-01 at all outside and/or exposed tile locations (top, bottom, and corners) in corridors, whether indicated on finish plans or not.
   - F. Provide WFA-02 at all bottom edges at recessed wall tile patterns.

WALL FINISH LEGEND

	T	TILE
	WTP-01	TILE - WAINSCOT
	WTP-02	TILE - GROUP RR
	WTP-03	TILE - SINGLE RR 1
	WTP-04	TILE - GROUP RR ACCENT 2
	CG	CORNER GUARD
	PT	PAINT
	VWC	VINYL WALLCOVERING



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KATY, TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 02	12/18/2025
2	Addendum 04	01/15/2026

Director Charles Johnson

Proj. Arch. Casey Palmer

PROJECT NO.

24-102.00

SHEET TITLE

UNIT INTERIOR FINISH PLAN - LEVEL 2 - UNIT F

SHEET NO.

A9.12F

New Elementary No. 49

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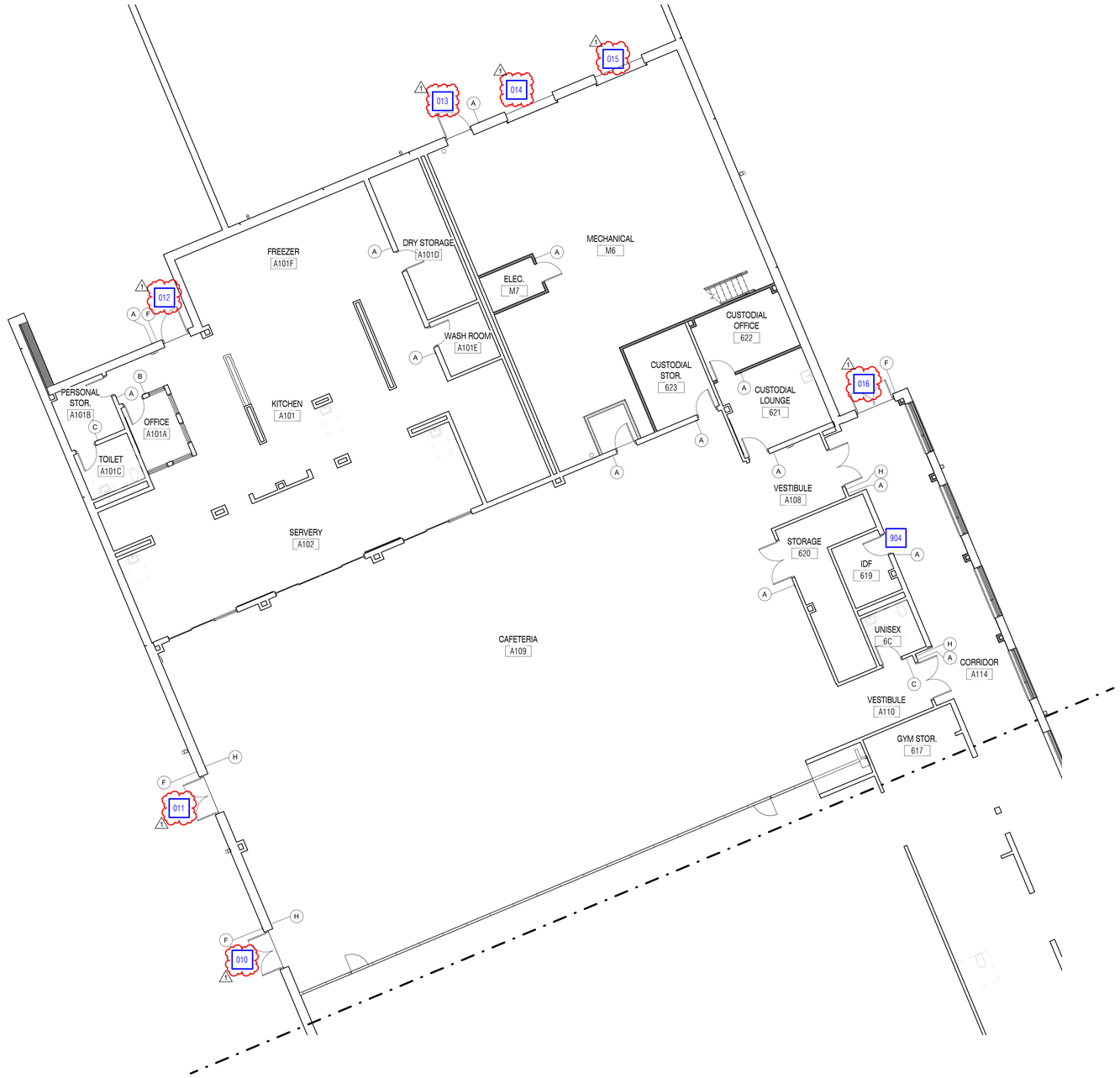
SIGNAGE PLAN NOTES

1. REFER TO 8 / CODE.5 FOR TYP. MOUNTING HEIGHT REQS.

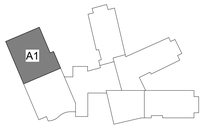
XXX — 6" REFLECTIVE VINYL NUMBERS TO BE ADHERED TO EXTERIOR UPPER RIGHT CORNER OF DOOR LEAFS ON DOORS, AND GLAZING ON THERMALLY BROKEN ALUMINUM STOREFRONT WITH INSULATED GLAZING AS SCHED.AS SCHED. AS NOTED ON SIGNAGE PLANS.

SIGNAGE SCHEDULE

SIGN TYPE	SIGN DESCRIPTION	ROOM: SIGNAGE TEXT	ROOM: SIGN NUMBER
A	Room Sign, Two Lines	CAFETERIA	A110
C	Restroom Sign	RESTROOM	A101C
B	Room Sign, Paper Insert	OFFICE	A101A
A	Room Sign, Two Lines	LOCKERS	A101B
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	KITCHEN	A101
A	Room Sign, Two Lines	STORAGE	A101D
A	Room Sign, Two Lines	WASH ROOM	A101E
A	Room Sign, Two Lines	MECH.	M6
A	Room Sign, Two Lines	STORAGE	623
F	Welcome Visitors Sign		
F	Welcome Visitors Sign		
H	Max Occupancy Sign	CAFETERIA	A109
H	Max Occupancy Sign	CAFETERIA	A109
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	MECH.	M6
A	Room Sign, Two Lines	ELEC.	M7
H	Max Occupancy Sign	CORRIDOR	A114
H	Max Occupancy Sign	CORRIDOR	A114
A	Room Sign, Two Lines	VESTIBULE	A108
A	Room Sign, Two Lines	CUSTODIAL LOUNGE	621
C	Restroom Sign	RESTROOM	6C
A	Room Sign, Two Lines	IDF	619
A	Room Sign, Two Lines	STORAGE	620
A	Room Sign, Two Lines	CUSTODIAL OFFICE	622



1 WAYFINDING PLAN - LEVEL 1 - UNIT A
SCALE: 1/8" = 1'-0"



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New Elementary No. 49

REGISTERED ARCHITECT — CHARLES W. JOHNSON — 20944 — STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

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Revision No.		Revision Date
1	Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT WAYFINDING PLAN - LEVEL 1 - UNIT A1

SHEET NO.
A9.41A1

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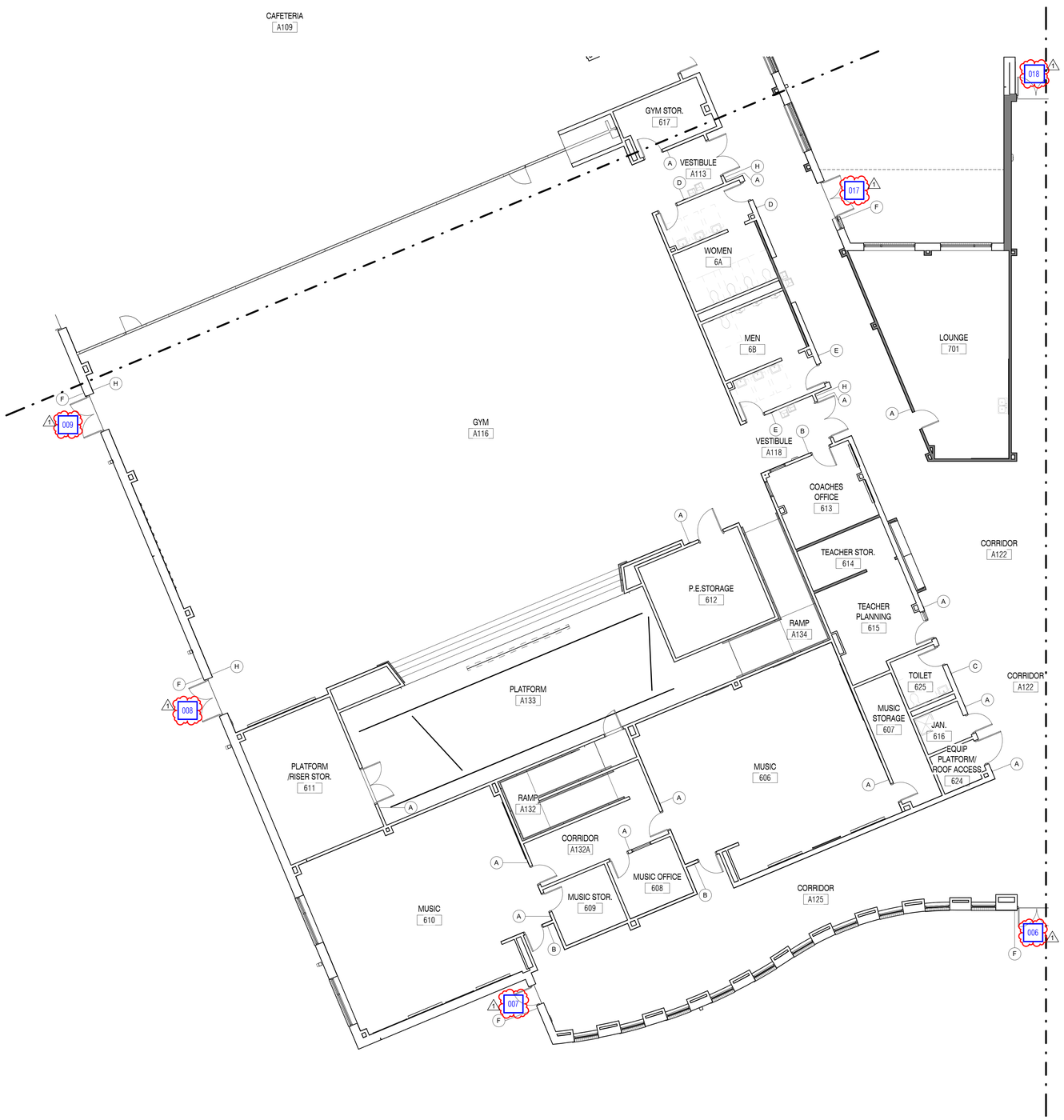
SIGNAGE PLAN NOTES

1. REFER TO 8 / CODE.5 FOR TYP. MOUNTING HEIGHT REQS.

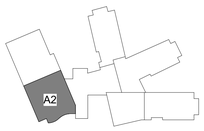
XXX — 6" REFLECTIVE VINYL NUMBERS TO BE ADHERED TO EXTERIOR UPPER RIGHT CORNER OF DOOR LEAFS ON DOORS, AND GLAZING ON THERMALLY BROKEN ALUMINUM STOREFRONT WITH INSULATED GLAZING AS SCHED.AS SCHED. AS NOTED ON SIGNAGE PLANS.

SIGNAGE SCHEDULE

SIGN TYPE	SIGN DESCRIPTION	ROOM: SIGNAGE TEXT	ROOM: SIGN NUMBER
A	Room Sign, Two Lines	STORAGE	617
D	Room Sign, Women	RESTROOM	6A
H	Max Occupancy Sign	CORRIDOR	A114
A	Room Sign, Two Lines	GYM	A113
D	Room Sign, Women	RESTROOM	6A
E	Restroom Sign, Men	RESTROOM	6B
C	Restroom Sign	RESTROOM	625
A	Room Sign, Two Lines	JANITOR	616
A	Room Sign, Two Lines	MECH/ELEC/ROOF ACCESS	624
H	Max Occupancy Sign	CORRIDOR	A114
A	Room Sign, Two Lines	GYM	A118
B	Room Sign, Paper Insert	OFFICE	613
E	Restroom Sign, Men	RESTROOM	6B
A	Room Sign, Two Lines	LOUNGE	701
F	Welcome Visitors Sign		
H	Max Occupancy Sign	GYM	A116
H	Max Occupancy Sign	GYM	A116
F	Welcome Visitors Sign		
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	STORAGE	611
A	Room Sign, Two Lines	CORRIDOR	A132A
B	Room Sign, Paper Insert	MUSIC	606
B	Room Sign, Paper Insert	MUSIC	610
A	Room Sign, Two Lines	OFFICE	608
F	Welcome Visitors Sign		
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	STORAGE	612
A	Room Sign, Two Lines	PLANNING	615
A	Room Sign, Two Lines	STORAGE	607
A	Room Sign, Two Lines	STORAGE	609
A	Room Sign, Two Lines	CORRIDOR	A132A



1 UNIT WAYFINDING PLANS - LEVEL 1 - UNIT A2
SCALE: 1/8" = 1'-0"



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01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT WAYFINDING PLAN - LEVEL 1 - UNIT A2

SHEET NO.
A9.41A2

New Elementary No. 49

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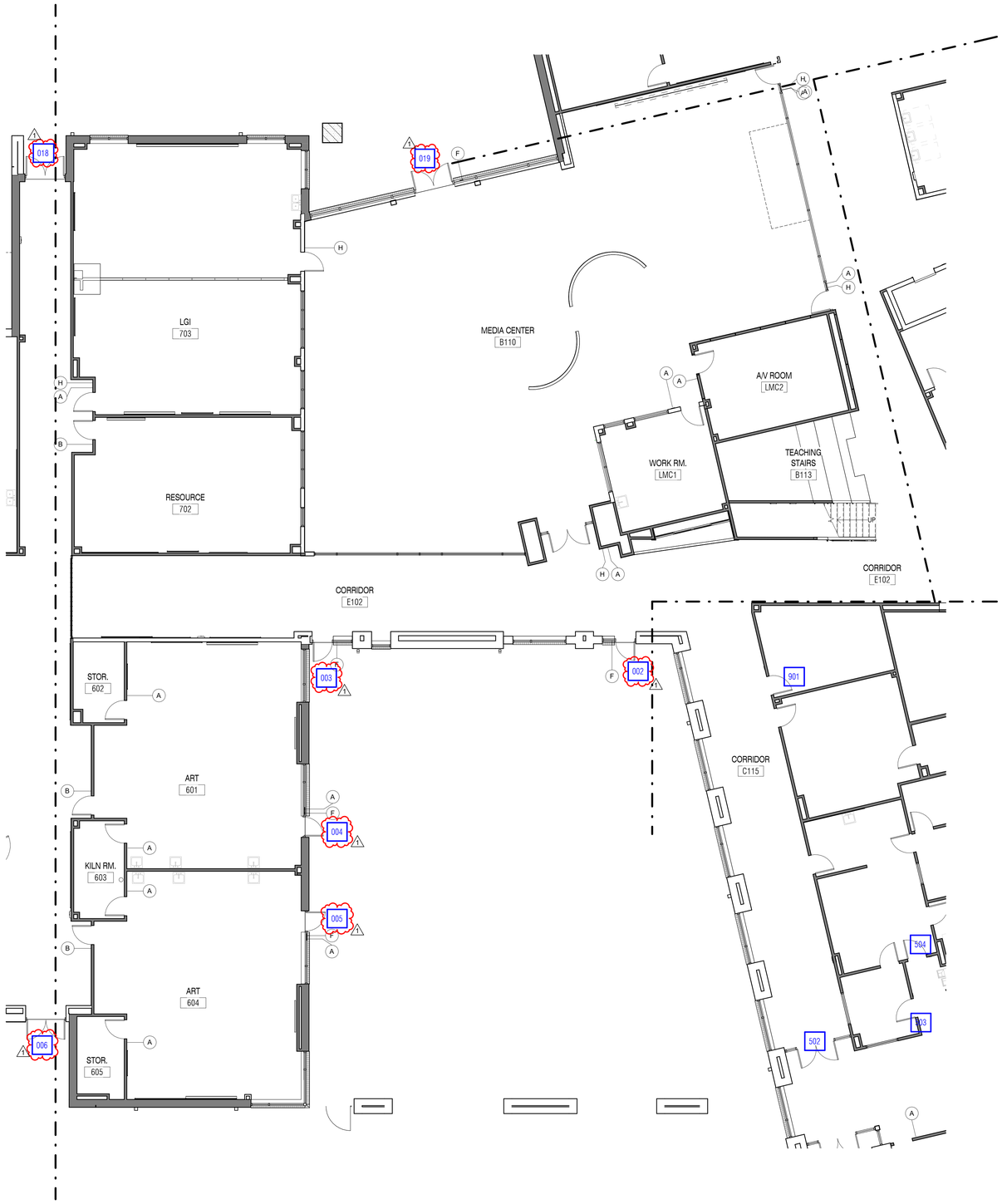


1 WAYFINDING PLAN - LEVEL 1 - UNIT B

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

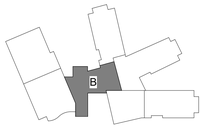
SIGNAGE PLAN NOTES

1. REFER TO 8 / CODE.5 FOR TYP. MOUNTING HEIGHT REQS.

XXX — 6" REFLECTIVE VINYL NUMBERS TO BE ADHERED TO EXTERIOR UPPER RIGHT CORNER OF DOOR LEAFS ON DOORS, AND GLAZING ON THERMALLY BROKEN ALUMINUM STOREFRONT WITH INSULATED GLAZING AS SCHED.AS SCHED. AS NOTED ON SIGNAGE PLANS.

SIGNAGE SCHEDULE

SIGN TYPE	SIGN DESCRIPTION	ROOM: SIGNAGE TEXT	ROOM: SIGN NUMBER
A	Room Sign, Two Lines	LGI	703
B	Room Sign, Paper Insert	RESOURCE	702
H	Max Occupancy Sign	CORRIDOR	A122
H	Max Occupancy Sign	MEDIA CEANTER	B110
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	STORAGE	602
A	Room Sign, Two Lines	KILN. ROOM	603
A	Room Sign, Two Lines	KILN. ROOM	603
B	Room Sign, Paper Insert	ART	601
A	Room Sign, Two Lines	STORAGE	605
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	ART	604
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	ART	601
F	Welcome Visitors Sign		
H	Max Occupancy Sign	CORRIDOR	E102
A	Room Sign, Two Lines		
A	Room Sign, Two Lines	WORK ROOM	LMC1
A	Room Sign, Two Lines	A/V ROOM	LMC2
H	Max Occupancy Sign	CORRIDOR	E103
A	Room Sign, Two Lines	MEDIA CEANTER	B110
A	Room Sign, Two Lines	MEDIA CEANTER	B110
H	Max Occupancy Sign	CORRIDOR	E107
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	MDF	A25
A	Room Sign, Two Lines	COUNCELOR	A24
K	FACP	CORRIDOR	C115
A	Room Sign, Two Lines	CONFERENCE	A8
A	Room Sign, Two Lines	ATTENDANCE	A2
A	Room Sign, Two Lines	CLINIC	A4
C	Restroom Sign	RESTROOM	A5
B	Room Sign, Paper Insert	OFFICE	A6
A	Room Sign, Two Lines	STORAGE	A7
A	Room Sign, Two Lines	STORAGE	A21
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	LGI	703
G	In Case of Fire Sign	CORRIDOR	E103
A	Room Sign, Two Lines	CLINIC	A4
B	Room Sign, Paper Insert	ART	604



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KATY, TEXAS

New Elementary No. 49

REGISTERED ARCHITECT CHARLES W. JOHNSON 20944 STATE OF TEXAS

01/15/2026

Project Issued: December 9, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 04	01/15/2026

Director Charles Johnson

Proj. Arch. Casey Palmer

PROJECT NO.

24-102.00

SHEET TITLE

UNIT WAYFINDING PLAN - LEVEL 1 - UNIT B

SHEET NO.

A9.41B

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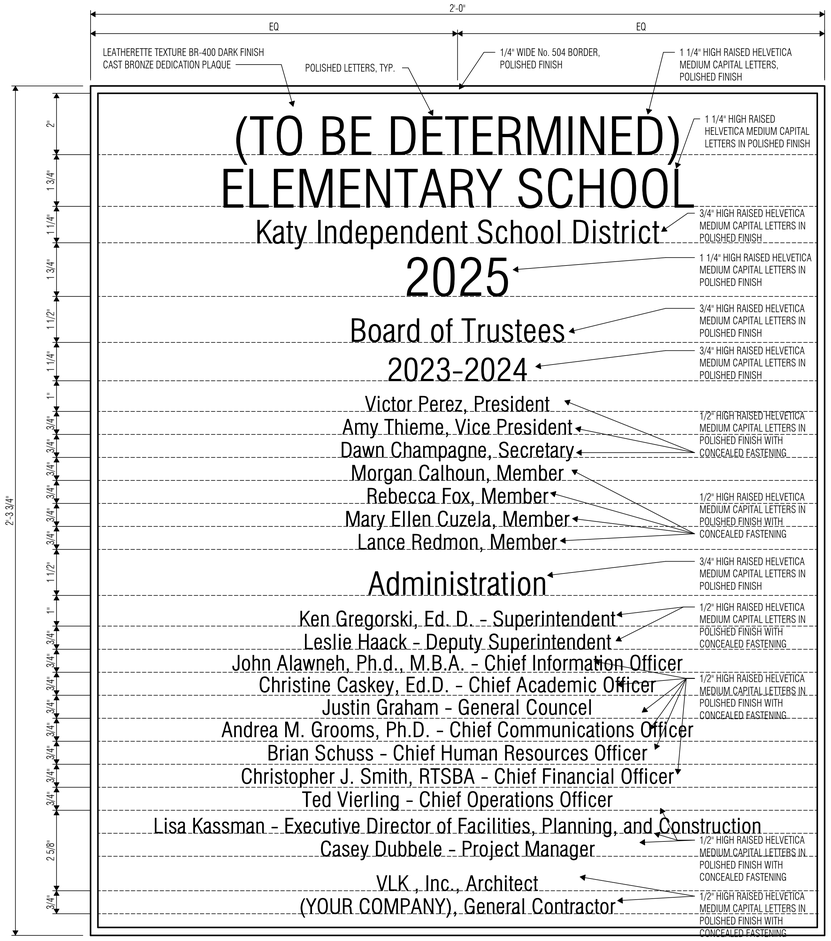

2 SIGN - DEDICATION PLAQUE
SCALE: 6" = 1'-0"

SIGNAGE PLAN NOTES

1. REFER TO 8 / CODE.5 FOR TYP. MOUNTING HEIGHT REQS.

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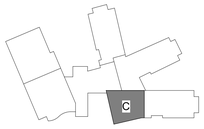
SIGNAGE SCHEDULE

SIGN TYPE	SIGN DESCRIPTION	ROOM: SIGNAGE TEXT	ROOM: SIGN NUMBER
A	Room Sign, Two Lines	MDF	A25
A	Room Sign, Two Lines	COUNCELOR	A24
K	FACP	CORRIDOR	C115
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	CONFERENCE	A8
C	Restroom Sign	RESTROOM	A3
A	Room Sign, Two Lines	ATTENDANCE	A2
A	Room Sign, Two Lines	CLINIC	A4
C	Restroom Sign	RESTROOM	A5
B	Room Sign, Paper Insert	OFFICE	A6
A	Room Sign, Two Lines	STORAGE	A7
A	Room Sign, Two Lines	STORAGE	A21
A	Room Sign, Two Lines	DIAGNOSTICIAN	A20
A	Room Sign, Two Lines	STORAGE	A21
C	Restroom Sign	RESTROOM	A19
A	Room Sign, Two Lines	VOLUNTEER CENTER	A23
A	Room Sign, Two Lines	MAIL	A22
C	Restroom Sign	RESTROOM	A18
A	Room Sign, Two Lines	STORAGE	A17
B	Room Sign, Paper Insert	OFFICE	A16
A	Room Sign, Two Lines	CLERK	A15
A	Room Sign, Two Lines	CONFERENCE	A14
A	Room Sign, Two Lines	AP	A9
A	Room Sign, Two Lines	SECRETARY	A11
A	Room Sign, Two Lines	AP	A10
A	Room Sign, Two Lines	OFFICE	A13
A	Room Sign, Two Lines	PRINCIPAL	A12
C	Restroom Sign	STORAGE	802A
B	Room Sign, Paper Insert	STORAGE	803A
B	Room Sign, Paper Insert	S.P.E.D.	802
B	Room Sign, Paper Insert	MOTOR SKILLS	801
L	Doors Unlocked Sign	CORRIDOR	D101
L	Doors Unlocked Sign	CORRIDOR	D101
A	Room Sign, Two Lines	JANITOR	808
A	Room Sign, Two Lines	CLINIC	A4
C	Restroom Sign	RESTROOM	8B
C	Restroom Sign	STORAGE	802A
B	Room Sign, Paper Insert	S.P.E.D.	803

1 WAYFINDING PLAN - LEVEL 1 - UNIT C
SCALE: 1/8" = 1'-0"



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01/15/2026

Project Issued: December 9, 2025

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Revision No.	Revision Date
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Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
UNIT WAYFINDING PLAN - LEVEL 1 - UNIT C

SHEET NO.
A9.41C

New Elementary No. 49

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SIGNAGE PLAN NOTES

1. REFER TO 8 / CODE.5 FOR TYP. MOUNTING HEIGHT REQS.

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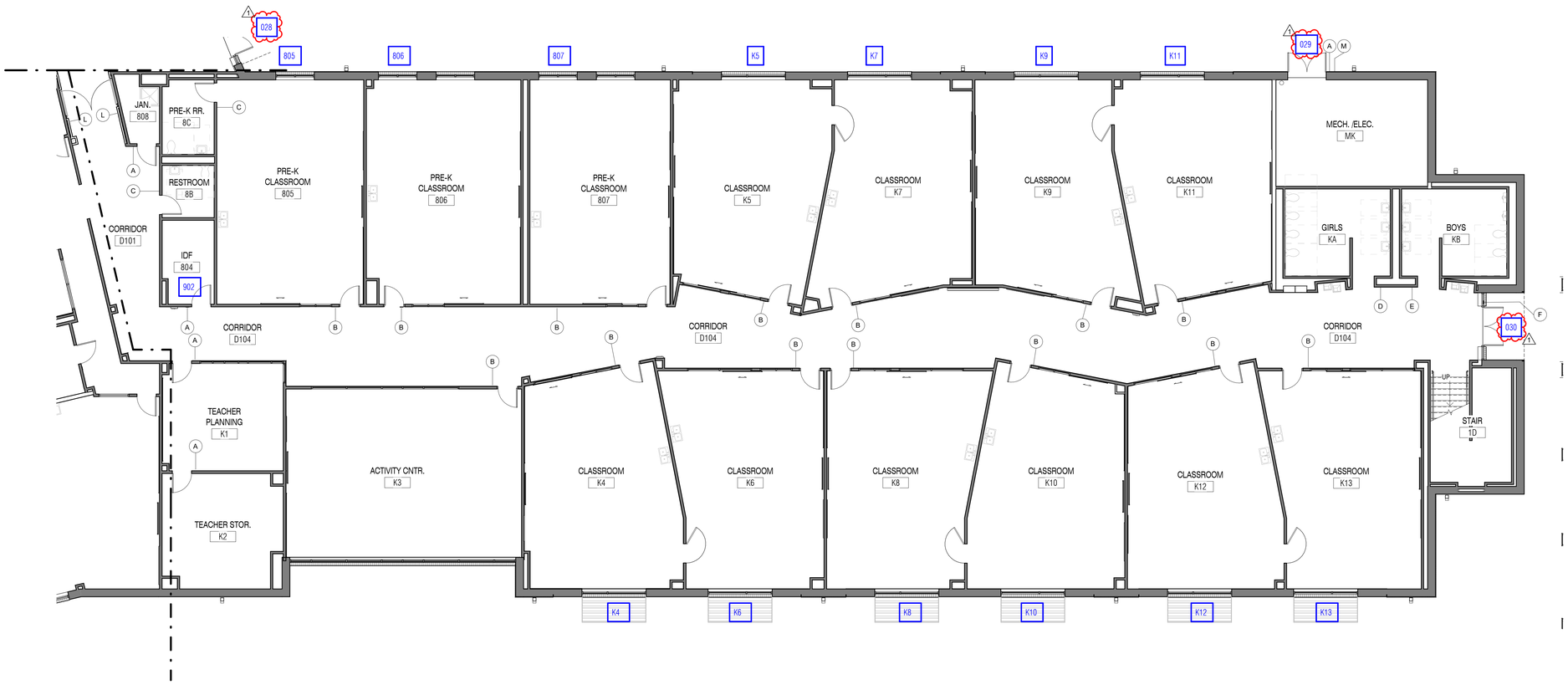
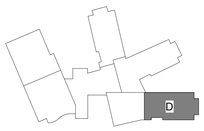
SIGNAGE SCHEDULE

SIGN TYPE	SIGN DESCRIPTION	ROOM: SIGNAGE TEXT	ROOM: SIGN NUMBER
B	Room Sign, Paper Insert	STORAGE	803A
B	Room Sign, Paper Insert	S.P.E.D.	802
L	Doors Unlocked Sign	CORRIDOR	D101
L	Doors Unlocked Sign	CORRIDOR	D101
A	Room Sign, Two Lines	JANITOR	808
A	Room Sign, Two Lines	PLANNING	K1
A	Room Sign, Two Lines	IDF	804
A	Room Sign, Two Lines	STORAGE	K2
B	Room Sign, Paper Insert	CLASSROOM	805
B	Room Sign, Paper Insert	CLASSROOM	806
B	Room Sign, Paper Insert	CLASSROOM	807
B	Room Sign, Paper Insert	CLASSROOM	K3
B	Room Sign, Paper Insert	CLASSROOM	K4
B	Room Sign, Paper Insert	CLASSROOM	K6
B	Room Sign, Paper Insert	CLASSROOM	K8
B	Room Sign, Paper Insert	CLASSROOM	K5
B	Room Sign, Paper Insert	CLASSROOM	K7
B	Room Sign, Paper Insert	CLASSROOM	K10
B	Room Sign, Paper Insert	CLASSROOM	K12
B	Room Sign, Paper Insert	CLASSROOM	K9
B	Room Sign, Paper Insert	CLASSROOM	K11
B	Room Sign, Paper Insert	CLASSROOM	K13
D	Room Sign, Women	BATHROOM	KA
E	Restroom Sign, Men	BATHROOM	KB
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	MECH/ELEC/ROOF ACCESS	MK
C	Restroom Sign	PRE-K RESTROOM	8C
C	Restroom Sign	RESTROOM	8B
M	Room Sign, Two Lines SPRINKLER	MECH/ELEC/ROOF ACCESS	MK
B	Room Sign, Paper Insert	S.P.E.D.	803



1 WAYFINDING PLAN - LEVEL 1 - UNIT D
SCALE: 1/8" = 1'-0"



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CHARLES W. JOHNSON — 20944 — REGISTERED ARCHITECT — STATE OF TEXAS
01/15/2026

Project Issued: December 9, 2025

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1 Addendum 04	01/15/2026

Director Charles Johnson
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PROJECT NO.
24-102.00

SHEET TITLE
UNIT WAYFINDING PLAN - LEVEL 1 - UNIT D

SHEET NO.
A9.41D

New Elementary No. 49

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SIGNAGE PLAN NOTES

1. REFER TO 8 / CODE.5 FOR TYP. MOUNTING HEIGHT REQS.

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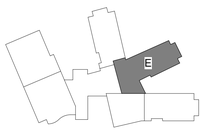
SIGNAGE SCHEDULE

SIGN TYPE	SIGN DESCRIPTION	ROOM: SIGNAGE TEXT	ROOM: SIGN NUMBER
H	Max Occupancy Sign	CORRIDOR	E103
A	Room Sign, Two Lines	MEDIA CEANTER	B110
A	Room Sign, Two Lines	SCIENCE	E100
F	Welcome Visitors Sign		
A	Room Sign, Two Lines		M9
A	Room Sign, Two Lines	SCIENCE	E100
G	In Case of Fire Sign	CORRIDOR	E103
A	Room Sign, Two Lines	BOOKROOM	E104
A	Room Sign, Two Lines	PLANNING	101
L	Doors Unlocked Sign	CORRIDOR	E103
L	Doors Unlocked Sign	CORRIDOR	E103
B	Room Sign, Paper Insert	SPEECH	103
B	Room Sign, Paper Insert	DYS.	104
A	Room Sign, Two Lines	STORAGE	102
E	Restroom Sign, Men	RESTROOM	8E
D	Room Sign, Women	RESTROOM	8F
A	Room Sign, Two Lines	PER. RECOVERY	E128B
F	Welcome Visitors Sign		
B	Room Sign, Paper Insert	ESL	105
B	Room Sign, Paper Insert	CLASSROOM	107
A	Room Sign, Two Lines	ACTIVITY CENTER	106
B	Room Sign, Paper Insert	CLASSROOM	108
B	Room Sign, Paper Insert	CLASSROOM	109
B	Room Sign, Paper Insert	CLASSROOM	111
B	Room Sign, Paper Insert	CLASSROOM	110
B	Room Sign, Paper Insert	CLASSROOM	113
B	Room Sign, Paper Insert	CLASSROOM	112
B	Room Sign, Paper Insert	CLASSROOM	114
B	Room Sign, Paper Insert	CLASSROOM	115
B	Room Sign, Paper Insert	CLASSROOM	116
F	Welcome Visitors Sign		
D	Room Sign, Women	RESTROOM	1A
E	Restroom Sign, Men	RESTROOM	1B
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	JANITOR	C5
A	Room Sign, Two Lines	IDF	500
L	Doors Unlocked Sign	CORRIDOR	E107
B	Room Sign, Paper Insert	RESOURCE	504
B	Room Sign, Paper Insert	RESOURCE	505
A	Room Sign, Two Lines	MECH/ELEC/ROOF ACCESS	M1
C	Restroom Sign	RESTROOM	5D
A	Room Sign, Two Lines		
F	Welcome Visitors Sign		
C	Restroom Sign	RESTROOM	8D

1 UNIT WAYFINDING PLANS - LEVEL 1 - UNITE
SCALE: 1/8" = 1'-0"



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01/15/2026

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SHEET TITLE
UNIT WAYFINDING PLAN - LEVEL 1 - UNIT E

SHEET NO.
A9.41E

New Elementary No. 49

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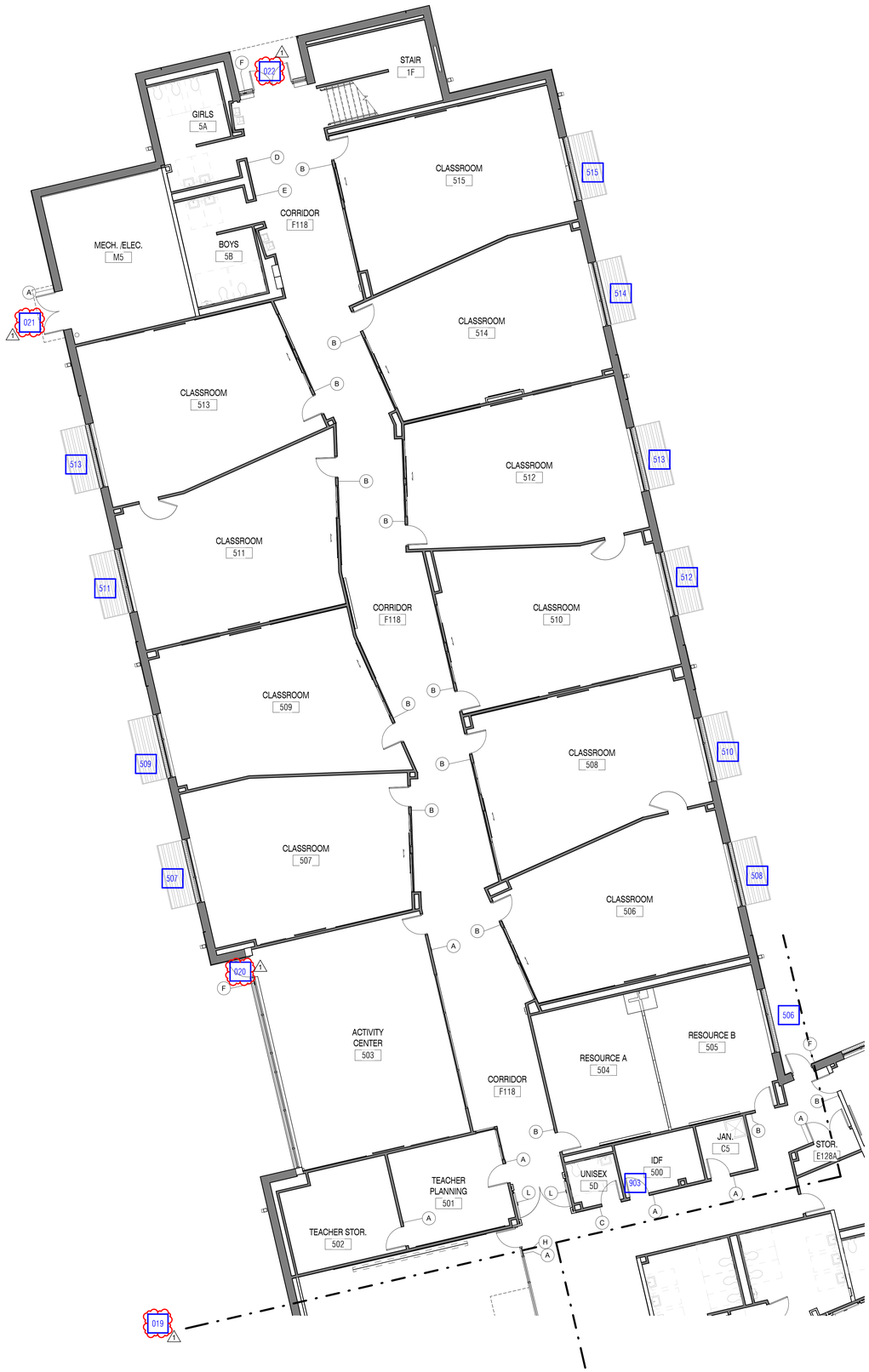

1 UNIT WAYFINDING PLANS - LEVEL 1 - UNIT F

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

SIGNAGE PLAN NOTES

1. REFER TO 8 / CODE.5 FOR TYP. MOUNTING HEIGHT REQS.

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SIGNAGE SCHEDULE

SIGN TYPE	SIGN DESCRIPTION	ROOM: SIGNAGE TEXT	ROOM: SIGN NUMBER
A	Room Sign, Two Lines	MEDIA CEANTER	B110
H	Max Occupancy Sign	CORRIDOR	E107
L	Doors Unlocked Sign	CORRIDOR	E103
E	Restroom Sign, Men	RESTROOM	8E
A	Room Sign, Two Lines	PER. RECOVERY	E128B
F	Welcome Visitors Sign		
B	Room Sign, Paper Insert	ESL	105
A	Room Sign, Two Lines	JANITOR	C5
A	Room Sign, Two Lines	IDF	500
L	Doors Unlocked Sign	CORRIDOR	E107
A	Room Sign, Two Lines	PLANNING	501
L	Doors Unlocked Sign	CORRIDOR	E107
B	Room Sign, Paper Insert	RESOURCE	504
A	Room Sign, Two Lines	STORAGE	502
B	Room Sign, Paper Insert	RESOURCE	505
A	Room Sign, Two Lines	CLASSROOM	503
B	Room Sign, Paper Insert	CLASSROOM	507
B	Room Sign, Paper Insert	CLASSROOM	509
B	Room Sign, Paper Insert	CLASSROOM	511
B	Room Sign, Paper Insert	CLASSROOM	513
E	Restroom Sign, Men	RESTROOM	5B
D	Room Sign, Women	RESTROOM	5A
B	Room Sign, Paper Insert	CLASSROOM	506
B	Room Sign, Paper Insert	CLASSROOM	508
B	Room Sign, Paper Insert	CLASSROOM	510
B	Room Sign, Paper Insert	CLASSROOM	512
B	Room Sign, Paper Insert	CLASSROOM	514
B	Room Sign, Paper Insert	CLASSROOM	515
F	Welcome Visitors Sign		
A	Room Sign, Two Lines	MECH/ELEC/ROOF ACCESS	M5
C	Restroom Sign	RESTROOM	5D
A	Room Sign, Two Lines		
F	Welcome Visitors Sign		

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SHEET TITLE
UNIT WAYFINDING PLAN - LEVEL 1 - UNIT F

SHEET NO.
A9.41F

New Elementary No. 49

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GENERAL

1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES. THE CODES LISTED SHALL INCLUDE ALL AMENDMENTS AND ADDENDA IN FORCE AT THE DATE OF THE CONTRACT DOCUMENTS.

   2021 EDITION OF THE INTERNATIONAL BUILDING CODE

2. WHERE CONFLICT EXISTS AMONG THE VARIOUS PARTS OF THE STRUCTURAL AND ARCHITECTURAL CONTRACT DOCUMENTS THE STRICTEST REQUIREMENTS SHALL GOVERN.

3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE AND REPORT ANY DISCREPANCIES OR INCONSISTENCIES FROM ASSUMED CONDITIONS TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.

4. DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT THEY ARE CUT AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ENGINEER.

5. DO NOT SCALE THE DRAWINGS.

6. THE GENERAL CONTRACTOR SHALL COMPARE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCY BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.

7. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF ANY STRUCTURAL MEMBERS, AND ERECTION IN THE FIELD.

8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING AND SHORING FOR LOADS DUE TO HYDROSTATIC, EARTH, WIND OR SEISMIC FORCES, AND CONSTRUCTION EQUIPMENT. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

9. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE.

10. IT IS THE DESIGN INTENT FOR ALL CONCRETE POURS TO HAPPEN IN SEQUENTIAL ORDER FROM FOUNDATIONS THROUGH ROOF. THE GENERAL CONTRACTOR SHALL DISCUSS WITH THE A/E TEAM THE FEASIBILITY OF NON-SEQUENTIAL POURING OF CONCRETE AND ITS IMPACT ON THE DESIGN INTENT AND ALLOW SUFFICIENT TIME FOR SUCH SCHEME TO BE INVESTIGATED OR REVIEWED.

11. PERIODIC SITE OBSERVATION BY THE ENGINEER IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

12. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN THE STRUCTURAL MEMBERS.

13. DO NOT PENETRATE ANY STRUCTURAL ELEMENTS (BEAMS, COLUMNS, WALLS, SLABS, ETC.) WITHOUT PRIOR WRITTEN APPROVAL OF STRUCTURAL ENGINEER.

14. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

15. SEE THE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:

    SIZE AND LOCATION OF DOOR AND WINDOW OPENINGS,
    SIZE AND LOCATION OF INTERIOR AND EXTERIOR NON-LOAD BEARING PARTITIONS, SIZE AND LOCATION OF CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHAMFERS, GROOVES, INSERTS, ETC., SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS, FLOOR AND ROOF FINISHES,
    STAIR FRAMING AND DETAILS, DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, CEILING AND EXTERIOR WALL ASSEMBLIES.

16. SEE THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:

    PIPES, SLEEVES, HANGERS, TRENCHES, WALL, FLOOR AND ROOF OPENINGS, DUCT PENETRATIONS, ETC., EXCEPT AS SHOWN OR NOTED OTHERWISE ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS, CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL, OR PLUMBING FIXTURES, SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES AND ANCHOR BOLTS FOR MOUNTS.

DESIGN CRITERIA

1. DEAD LOAD MATERIALS ASSUMED IN THE DESIGN ARE SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

2. AN ALLOWANCE OF 15 PSF HAS BEEN MADE FOR PARTITIONS AS A UNIFORMLY DISTRIBUTED LIVE LOAD, WHEREVER PARTITIONS ARE USED AND LOCATION SUBJECT TO CHANGE EXCLUDING PUBLIC LOBBIES, CORRIDORS, RESTROOMS, AND PLACES OF PUBLIC ASSEMBLY.

3. LIVE LOADS:

LOCATION	UNIFORM LOAD	CONCENTRATED LOAD
ROOF	20 PSF REDUCIBLE	300 LBS
BALCONIES	100 PSF REDUCIBLE	
TYPICAL FLOOR	40 PSF REDUCIBLE	
CORRIDORS	100 PSF REDUCIBLE	
MECAANICAL FLOOR	150 PSF UNREDUCIBLE	
STORAGE FLOOR	125 PSF UNREDUCIBLE	
STAIRS AND EXITS	100 PSF REDUCIBLE	300 LBS
GROUND FLR, COMMON AREAS	100 PSF REDUCIBLE	
HANDRAILS and GUARDRAILS	50 PLF OR 200 LBS APPLIED AT TOP RAIL IN ANY DIRECTION. 50 LBS IN ANY DIRECTION APPLIED AT INTERMEDIATE RAILS.	
GRAB BARS		250 LBS ANY DIRECTION

4. WIND LOADS

ULTIMATE WIND SPEED	140 MPH (3-SEC GUST)
NOMINAL WIND SPEED	109 MPH (3-SEC GUST)
RISK CATEGORY	III
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFF.	+/- 0.18
COMPONENTS & CLADDING	SEE DIAGRAM

5. HANDRAILS, GUARDRAILS AND GRAB BARS (INCLUDING ATTACHMENT TO STRUCTURE) SHALL BE DESIGNED BY THE FABRICATOR FOR THE LOADS INDICATED IN THE REFERENCED BUILDING CODE. SHOP DRAWINGS SHALL BE SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF WHERE THE PROJECT IS LOCATED, REPRESENTING THE FABRICATOR.

6. STAIRS SHALL BE DESIGNED BY THE STEEL FABRICATOR FOR CODE REQUIRED LOADS. SHOP DRAWINGS SHALL BE SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF WHERE THE PROJECT IS LOCATED, REPRESENTING THE FABRICATOR.

FOUNDATION

1. THE FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL REPORT (AND ANY ADDENDA) PREPARED BY THE FOLLOWING COMPANY:

COMPANY	UES PROFESSIONAL SOULUTIONS 44, LLC.
REPORT NO.	H253296
DATED	DECEMBER 5, 2025

   ALL RECOMMENDATIONS THEREIN THAT RELATE TO THE WORK SHOWN ON THESE DRAWINGS SHALL BE FOLLOWED.

2. THE FOUNDATION SYSTEM IS DESIGNED BASED ON THE FOLLOWING

   ALLOWABLE BEARING PRESSURE (UNDERREAMED-DRILLED-PIERS)
   SUSTAINED LOADS 3600 PSF
   TOTAL LOADS 5400 PSF

3. THE GENERAL CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER OR OTHER AUTHORIZED INSPECTOR FOR REVIEW OF FOUNDATION BEARING SURFACE, INSPECTION OF FOUNDATION INSTALLATION, AND PLACEMENT OF REINFORCING STEEL. THE CONTRACTOR SHALL NOT PLACE CONCRETE WITHOUT INSPECTOR'S APPROVAL.

4. THE CONTRACTOR SHALL NOTIFY THE AUTHORIZED INSPECTOR 48 HOURS IN ADVANCE OF ANY MAJOR FOUNDATION POUR.

5. FORM EXPOSED FACES OF GRADE BEAMS.

6. GRADE BEAM BOTTOM STEEL SHALL BE CHAIRED AT 5 FOOT MAXIMUM CENTERS USING BEAM BOLSTERS PROVIDING 3 INCH BOTTOM COVER TO REINFORCING STEEL. BEAM BOLSTERS USED SHALL BE INTENDED FOR SUPPORT ON SOIL (NO CONCRETE BLOCK/BRICK ALLOWED).

7. BOTTOM BARS OF GRADE BEAM SHALL BE SPLICED (WHERE REQUIRED) AT THE PIERS ONLY. TOP BARS SHALL BE SPLICED (WHERE REQUIRED) AT THE MIDSPAN OF THE GRADE BEAMS. LAP LENGTH SHALL BE TENSION LAP SPLICE UNLESS SPECIFIED OTHERWISE. PROVIDE CORNER BARS TO MATCH TOP AND BOTTOM STEEL.

8. ALL REINFORCING STEEL FOR SLABS SHALL BE CHAIRED WITH SLAB BOLSTERS FOR SUPPORT ON SOIL AT 4'-0" MAXIMUM CENTERS EACH WAY FOR REINFORCING FOR SLABS. DEPTH OF CHAIRS SHALL PROVIDE COVER TO REINFORCING AS NOTED ON PLANS/DETAILS. NO BRICK OR CONCRETE BLOCK SHALL BE USED.

9. SLAB ON GRADE CONSTRUCTION SHALL FOLLOW THE RECOMMENDATIONS OF GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION ACI 302.1R. PROVIDE (3) #3 X 4'-0" TOP AND BOTTOM AT ALL SLAB ON GRADE RE-ENTRANT CORNERS.

10. SUBGRADE PREPARATION SHALL CONFORM TO THE SOILS REPORT NOTED ABOVE. IF REPORT DOES NOT SPECIFY THE AMOUNT OF SELECT FILL, PROVIDE FILL AS REQUIRED ABOVE TO REDUCE PVR TO 1 INCH.

11. VAPOR RETARDER SHALL HAVE NO MORE THAN 0.01 PERMS AS TESTED BEFORE AND AFTER MANDATORY CONDITIONING (ASTM E 1745 SECTION 7.1 AND SUB-PARAGRAPHS 7.1.2-5), MEET OR EXCEED THE REQUIREMENTS OF ASTM E 1745 CLASS A AND BE NO LESS THAN 15 MILS THICK.

12. ALL VAPOR RETARDER SEAMS SHALL BE OVERLAPPED A MINIMUM OF 6 INCHES AND TAPED WITH MANUFACTURER'S TAPE. ALL PENETRATIONS, BLOCK-OUTS, AND OPENINGS SHALL BE SEALED USING A COMBINATION OF THE VAPOR RETARDER, MASTIC AND MANUFACTURER'S TAPE. DO NOT PENETRATE VAPOR RETARDER WITH FORMWORK STAKES. USE STEGO BEAST FORM STAKES OR EQUIVALENT WHERE REQUIRED.

13. REMOVE ALL VEGETATION, TREE ROOTS, ORGANIC SOIL, EXISTING FOUNDATIONS, PAVED AREAS, AND ANY UNDESIRABLE MATERIALS FROM THE CONSTRUCTION AREA.

14. SCARIFY THE SUBGRADE, ADD MOISTURE, OR DRY AS NECESSARY AND RECOMPACT TO 93% TO 96% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR TEST).

15. THE SUBGRADE AREAS SHALL THEN BE PROOF-ROLLED WITH HEAVY EQUIPMENT. ANY SOILS DEFLECTING EXCESSIVELY UNDER MOVING LOADS SHALL BE UNDERCUT TO FIRM SOILS AND RECOMPACTED. THE MOISTURE CONTENT AT THE TIME OF COMPACTION OF SUBGRADE SOILS SHALL BE WITHIN 0 TO +3% OF THE OPTIMUM PROCTOR VALUE.

16. STRUCTURAL FILL BENEATH THE BUILDING AREA SHALL CONSIST OF SOIL WITH A LIQUID LIMIT LESS THAN 40 AND A PLASTICITY INDEX BETWEEN 8 AND 20. STRUCTURAL FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING EIGHT INCHES IN THICKNESS AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698. THE MOISTURE CONTENT OF THE FILL AT THE TIME OF COMPACTION SHALL BE WITHIN 0 TO + 3%OF THE OPTIMUM VALUE.

17. PROVIDE MINIMUM 42 INCHES OF SELECT FILL UNDER BUILDING SLAB TO SEPARATE BUILDING SLAB FROM THE EXISTING GRADE. REMOVE EXISTING GRADE AS REQUIRED. CONTRACTOR SHALL RETAIN A TESTING LABORATORY FOR THE DETERMINATION OF SOIL COMPACTION AND CONCRETE TESTING. SUBMIT RESULTS TO ARCHITECT.

18. THE CONTRACTOR SHALL ENSURE THE SELECT FILL MATERIAL IS PROPERLY MIXED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER AND TESTING LAB AND SHALL MAKE PROVISIONS FOR SOIL PULVERIZATION OR OTHER MIXING METHODS AS REQUIRED.

19. THE BEARING STRATUM OF EACH DRILLED PIER SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR OTHER AUTHORIZED INSPECTOR PRIOR TO POURING OF CONCRETE.

20. THE BOTTOM ELEVATION OF PIERS IS SHOWN ON THE DRAWINGS FOR BID PURPOSES. THE ACTUAL REQUIRED BEARING ELEVATION MAY VARY AS REQUIRED TO PROVIDE PROPER CAPACITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER. FOOTINGS SHALL BE POURED IMMEDIATELY AFTER EXCAVATION.

21. PROVIDE AND INSTALL 1/8 INCH STEEL TEMPLATES TO ACCURATELY SET VERTICAL PIER REINFORCING STEEL, AND ANCHOR BOLTS FOR STEEL COLUMNS.

22. THE PRESENCE OF SAND SEAMS AND SLICKENSIDES IN THE LAYERS MAY CAUSE SLOUGHING DURING PIER EXCAVATION. THIS MAY REQUIRE THE USE OF TEMPORARY STEEL CASING.

23. REDUCING THE POTENTIAL FOR CAVING OF THE BELL CAN BE ACHIEVED BY LIMITING THE BELL TO SHAFT DIAMETER RATIO TO 2:1 OR TO INSTALL STRAIGHT SHAFT FOOTINGS.

24. THE GROUNDWATER LEVELS MAY FLUCTUATE SEASONALLY AND WITH CLIMATIC CHANGES. SEEPAGE OF GROUNDWATER INTO THE EXCAVATIONS IS POSSIBLE AND SEEPAGE FROM "PERCHED" WATER TRAPPED IN THE SOILS MAY ALSO OCCUR. THE CONTRACTOR SHALL MAKE PROVISIONS FOR DEWATERING THE FOOTING EXCAVATION IF GROUNDWATER IS ENCOUNTERED.

25. CONCRETE SHALL BE PLACED AS SOON AS POSSIBLE AFTER THE FOOTING EXCAVATIONS ARE COMPLETED TO REDUCE THE POTENTIAL FOR WATER SEEPAGE AND TO MINIMIZE THE DISTURBANCE TO THE BEARING AREA. IN NO CASE, SHOULD AN EXCAVATION BE LEFT OPEN OVERNIGHT.

CONCRETE

1. ALL ASPECTS OF WORK RELATING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE FOLLOWING CODES AND SPECIFICATIONS:

   CURRENT EDITION OF ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
   CURRENT EDITION OF ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS
   CRSI MANUAL OF STANDARD PRACTICE

2. STRUCTURAL CONCRETE 28-DAY COMPRESSIVE STRENGTHS AND TYPES ARE AS FOLLOWS:

LOCATION	STRENGTH	TYPE	AGGREGATE SIZE	EXPOSURE CLASS
FOUNDATIONS	3000 PSI	NORMAL WT	1 1/2"	F0, S0, W0, C0
GRADE BEAMS	3000 PSI	NORMAL WT	1 1/2"	F0, S0, W0, C0
SLAB-ON-GRADE	3000 PSI	NORMAL WT	1 1/2"	F0, S0, W0, C0
TOPPING SLAB	3000 PSI	LIGHTWEIGHT	3/8"	F0, S0, W0, C0
STAIR LANDING & PANS	3000 PSI	NORMAL WT	3/8"	F0, S0, W0, C0
WALLS	4000 PSI	NORMAL WT	1"	F0, S0, W0, C0

3. THERE SHALL BE NO HORIZONTAL COLD JOINT IN ANY CONCRETE POUR.

4. ADMIXTURES USED SHALL BE COMPATIBLE WITH FLOOR TREATMENTS. FINISH APPLICATOR SHALL APPROVE ADMIXTURES AND CURING COMPOUNDS PRIOR TO USE.

5. CONCRETE FOR SLAB-ON-GRADE SHALL HAVE A MAXIMUM WATER-CEMENT RATIO OF 0.45. ALL OTHER CONCRETE SHALL HAVE A MAXIMUM WATER-CEMENT RATIO OF 0.50. ADJUST CONCRETE STRENGTH BEYOND MINIMUM SPECIFIED ABOVE TO MAINTAIN MAXIMUM WATER-CEMENT RATIO.

6. CONCRETE FOR SLAB-ON-GRADE AND METAL DECK SHALL BE PROPORTIONED FOR A MAXIMUM ALLOWABLE UNIT SHRINKAGE OF 0.04% (400 MICROSTATIONS) AT 28 DAYS OF DRYING. LENGTH CHANGE SHALL BE MEASURED IN ACCORDANCE WITH ASTM C157.

7. FLY ASH CONFORMING TO ASTM C618, MAY BE USED UNLESS NOTED OTHERWISE. THE MAXIMUM AMOUNT OF FLY ASH SHALL BE 25% OF THE TOTAL CEMENTITIOUS MATERIAL BY WEIGHT.

8. AT POLISHED OR STAINED CONCRETE, THE FLY ASH ALLOWANCE IN NOTE 7 DOES NOT APPLY. NO FLY ASH IS PERMITTED IN THESE MIXES. ADDITIONALLY, NO AIR ENTRAINMENT IS ALLOWED EITHER. MAX WATER CEMENT RATIO SHALL BE 0.45. WET CURING IS REQUIRED AT POLISHED CONCRETE. USE ONE SOURCE FOR CEMENT, AGGREGATES, AND POZZOLANS THROUGHOUT THE PROJECT. DO NOT USE CALCIUM CHLORIDE-BASED ADMIXTURES. NON-CHLORIDE ADMIXTURES MAY BE USED. GENERAL CONTRACTOR SHALL PROTECT AREAS TO RECEIVE CONCRETE FINISH AT ALL TIMES DURING CONSTRUCTION TO PREVENT OILS, DIRT, METAL, EXCESSIVE WATER, AND OTHER POTENTIALLY DAMAGING MATERIALS FROM AFFECTING THE FINISHED CONCRETE SURFACE.

9. CONCRETE FORMS SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE THE SPECIFIED CAMBERS INDICATED ON THE STRUCTURAL DRAWINGS.

10. SUBMIT SHOP DRAWINGS TO ARCHITECT AND ENGINEER INDICATING LOCATIONS OF CONCRETE JOINTS TO REVIEW PRIOR TO PLACING CONCRETE. PLACE JOINTS AT LOCATIONS TO MINIMIZE THE EFFECTS OF SHRINKAGE AS WELL AS BEING PLACED AT POINTS OF LOW STRESS.

11. ROUGHEN CONCRETE SURFACES TO 1/4 INCH AMPLITUDE WHERE MASONRY WALLS INTERSECT CONCRETE OR WHERE NEW CONCRETE INTERFACES WITH EXISTING CONCRETE.

12. MECHANICAL PIPES AND ELECTRICAL CONDUITS WHICH PASS THROUGH SLAB-ON-GRADE, CONCRETE ON METAL DECK, FRAMED CONCRETE FLOORS, AND WALLS DO NOT REQUIRE SLEEVES UNLESS NOTED OTHERWISE ON THE PROJECT SPECIFICATIONS, MECHANICAL OR ELECTRICAL DRAWINGS. IF SLEEVES ARE REQUIRED, INSTALL SLEEVES BEFORE PLACING CONCRETE. DO NOT CUT ANY REINFORCING WHICH MAY INTERFERE WITH SLEEVE PLACEMENT. CORING OPENINGS IN CONCRETE IS NOT PERMITTED. NOTIFY THE ARCHITECT AND ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. NO PIPES OR ELECTRICAL CONDUIT SHALL PASS THROUGH CONCRETE BEAMS OR COLUMNS UNLESS SPECIFICALLY DETAILED.

13. WITH THE EXCEPTION OF SLABS ON GRADE AND CONCRETE ON METAL DECK, THE OUTSIDE DIAMETER OF MECHANICAL PIPES AND/OR ELECTRICAL CONDUITS (OTHER THAN THOSE PASSING THROUGH) SHALL NOT EXCEED 1/3 OF THE SLAB THICKNESS AND SHALL BE CENTERED BETWEEN THE TOP AND BOTTOM REINFORCING UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF MECHANICAL PIPES AND/OR ELECTRICAL CONDUITS SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED. CONDUIT AND PIPE SHALL BE SPACED AT 3" OR 3 DIAMETERS ON CENTER, WHICHEVER IS GREATER.

14. FOR SLABS ON GRADE AND METAL DECK SLABS NO PIPES OR CONDUITS SHALL BE PLACED WITHIN THE INDICATED SLAB THICKNESS AND SHALL BE LOCATED BELOW THE SLAB UNLESS SPECIFICALLY DETAILED OTHERWISE.

15. THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL FORMS, SHORES, BACKSHORES, FALSEWORK, BRACING, AND OTHER TEMPORARY SUPPORTS SHALL BE ENGINEERED TO SUPPORT ALL LOADS IMPOSED INCLUDING THE WET WEIGHT OF CONCRETE, CONSTRUCTION EQUIPMENT, LIVE LOADS, LATERAL LOADS DUE TO WIND AND WET CONCRETE IMBALANCE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR DETERMINING WHEN TEMPORARY SUPPORTS, SHORES, BACKSHORES, AND OTHER BRACING MAY BE SAFELY REMOVED.

16. THE GENERAL CONTRACTOR SHALL SUBMIT FOR OWNER'S RECORD ONLY, FORMWORK SHOP DRAWINGS INCLUDING CALCULATIONS. FORMWORK SHOP DRAWINGS SHALL BE SEALED BY A REGISTERED ENGINEER IN THE STATE THAT THE PROJECT IS LOCATED.

REINFORCING STEEL

1. ALL ASPECTS OF WORK RELATING TO THE REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING CODES AND SPECIFICATIONS:

   CURRENT EDITION OF ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
   CRSI MANUAL OF STANDARD PRACTICE

2. DEFORMED BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.

3. WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A185, YIELD STRENGTH 65,000 PSI. WELDED DEFORMED WIRE FABRIC FOR ASTM A497, YIELD STRENGTH 70,000 PSI. ALL WELDED WIRE FABRIC SHALL BE FURNISHED IN FLAT SHEETS ONLY. WHEREVER WELDED WIRE FABRIC IS SPECIFIED AS REINFORCEMENT, IT SHALL BE CONTINUOUS ACROSS THE ENTIRE CONCRETE SURFACE AND NOT INTERRUPTED BY BEAMS OR GIRDERS AND PROPERLY LAPPED ONE CROSS WIRE SPACING PLUS 2 INCHES.

4. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH AND ONE HALF, WHICHEVER IS GREATER.

5. WELDING OF REINFORCING IS PERMITTED ONLY WHERE SHOWN ON THE DRAWINGS OR WHEN APPROVED BY THE ENGINEER OF RECORD. WELDING OF REINFORCING BARS SHALL BE WITH LOW HYDROGEN ELECTRODES IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF AWS D1.4.

6. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

7. REINFORCING DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME NUMBER, SIZE, SPACING, AND GRADE AS THE SPECIFIED VERTICAL REINFORCING, UNO.

8. IN ADDITION TO ALL OF THE REINFORCING STEEL INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL PROVIDE FOR AN ALLOWANCE OF A NET (4) TONS OF REINFORCING BARS TO BE FURNISHED, FABRICATED, AND PLACED DURING THE PROGRESSION OF WORK AS MAY BE DIRECTED BY THE ENGINEER OF RECORD.

9. CLEAR COVERAGE OF CONCRETE OVER REINFORCING BARS SHALL BE AS FOLLOWS:

LOCATION OF CONCRETE	MINIMUM COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER	
#6 THROUGH #18 BAR	2"
#5 BAR AND SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR IN CONTACT WITH GROUND	
SLABS, WALLS, JOISTS	3/4"
BEAMS, COLUMNS (INCLUDING TIES)	1 1/2"
SLAB ON GRADE	SEE DETAILS

STRUCTURAL STEEL

1. ALL ASPECTS OF WORK RELATING TO THE DESIGN, FABRICATION, DETAILING, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING CODES AND SPECIFICATIONS:

   CURRENT EDITION OF THE AISC STEEL CONSTRUCTION MANUAL LATEST EDITION OF THE ANSI/AWS D1.1

2. STRUCTURAL STEEL MATERIALS SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:

WIDE FLANGE, CHANNELS	ASTM A992
ANGLES, PLATES, BARS	ASTM A572 GR 50
PIPES	ASTM A53 GR B
HSS (RECTANGULAR OR SQUARE)	ASTM A500 GR B (Fy = 46 KSI) OR GR C (Fy = 50 KSI)
HSS (ROUND)	ASTM A500 GR B (Fy = 42 KSI) OR GR C (Fy = 50 KSI)
ANCHOR RODS	ASTM F1554-36 U.N.O
HIGH STRENGTH BOLTS	ASTM F3125 GR A325 OR GR F1852 U.N.O.
HEADED STUD ANCHORS (HSA)	ASTM A108
DEFORMED BAR ANCHORS (DBA)	ASTM A496

3. THE DESIGN OF ALL STEEL CONNECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED, EMPLOYED BY THE FABRICATOR. CALCULATIONS SEALED BY THE FABRICATOR'S PROFESSIONAL ENGINEER MUST BE SUBMITTED IF REQUESTED.

4. SURFACES WHICH ARE TO BE FIREPROOFED WITH SPRAY-ON FIREPROOFING OR EMBEDDED IN CONCRETE SHALL NOT BE SHOP PAINTED. DO NOT PAINT TOP FLANGES OF COMPOSITE BEAMS NOR SURFACES OF MEMBERS WHERE WELDING OR HIGH STRENGTH FRICTION BOLTING WILL OCCUR. COORDINATE ALL SHOP PAINTING OF STRUCTURAL STEEL WITH ARCHITECTS PAINTING REQUIREMENTS AS SPECIFIED ON THE ARCHITECTURAL DRAWINGS AND IN THE SPECIFICATIONS.

5. IT IS THE INTENTION OF THE PLANS AND SPECIFICATIONS THAT SHOP CONNECTIONS BE WELDED OR BOLTED AND THAT FIELD CONNECTIONS BE BOLTED, UNLESS DETAILED OTHERWISE ON THE DRAWINGS.

6. ALL TYPICAL BEAM SIMPLE CONNECTIONS SHALL BE STANDARD DOUBLE ANGLE OR SINGLE ANGLE FRAMED BEAM CONNECTIONS UNLESS NOTED OTHERWISE. SHEAR TAB CONNECTIONS MAY BE USED AT LOCATIONS WHERE DOUBLE ANGLE CONNECTIONS MAY BE NOT POSSIBLE. SEATED BEAM CONNECTIONS SHALL NOT BE USED UNLESS INDICATED ON THE DRAWINGS. PROVIDE FULL DEPTH SHEAR TAB IF BEAM FRAMES ON ONLY ONE SIDE OF A GIRDER.

7. DESIGN CONNECTIONS OF NON-COMPOSITE BEAMS TO SUPPORT A REACTION R (UNLESS SPECIFIED OTHERWISE) EQUAL TO ONE HALF THE TOTAL UNIFORM LOAD CAPACITY FROM THE TABLE OF UNIFORM LOAD CONSTANTS IN THE AISC MANUAL.

8. BEAM CONNECTIONS FOR COMPOSITE BEAMS SHALL BE DESIGNED FOR REACTIONS LISTED IN THE TABLE BELOW. ALL VALUES LISTED IN THE TABLE ARE LOAD RESISTANCE FACTOR DESIGN (LRFD).

BEAM SIZE	REACTION	BEAM SIZE	REACTION
W8	30 KIPS	W21	120 KIPS
W10	30 KIPS	W24	140 KIPS
W12	40 KIPS	W27	160 KIPS
W14	50 KIPS	W30	180 KIPS
W16	80 KIPS	W33	200 KIPS
W18	100 KIPS	W36	220 KIPS

9. ADD TO THE REACTION LISTED ABOVE, ANY LOADS OR REACTIONS OF MEMBERS SUPPORTED BY THE BEAM WITHIN THREE FEET OF BEAM END AND THE VERTICAL COMPONENTS OF FORCES IN BRACE MEMBERS FRAMING INTO THE BEAMS.

10. BRACING CONNECTIONS SHALL DEVELOP FULL TENSILE FORCES AT EACH END OF THE BRACING MEMBER UNLESS BRACING FORCES ARE SPECIFIED ON THE DRAWINGS.

11. ALL WELDING SHALL COMPLY TO THE AMERICAN WELDING SOCIETY STANDARD (AWS D1.1). ALL WELDED JOINTS SHALL BE DETAILED AS INDICATED BY THE PREQUALIFIED JOINT DETAILS IN THE STRUCTURAL WELDING CODE. WELD LENGTHS CALLED FOR ON THE PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WELD SIZE SHALL BE AISC MINIMUM UNLESS A LARGER SIZE IS NOTED. ALL WELDS SHALL USE MINIMUM E70XX ELECTRODES.

12. ALL WELDING SHALL BE PERFORMED BY A WELDER CERTIFIED IN ACCORDANCE WITH THE AWS STANDARDS.

13. MISCELLANEOUS STEEL CONNECTIONS SHALL BE WELDED ALL AROUND WITH AISC MINIMUM FILLET WELD UNLESS A LARGER WELD IS SPECIFIED. STEEL MEMBERS CONTINUOUSLY ATTACHED SHALL BE STITCH WELDED TOGETHER WITH AISC MINIMUM 2" LONG FILLET WELD AT 12" O.C. UNLESS A LARGER WELD OR DIFFERENT GAGE IS SPECIFIED.

14. ALL BOLTS SHALL BE DESIGNED AS BEARING BOLTS WITH THREADS INCLUDED IN THE SHEAR PLANE. ALL BOLTS SHALL BE NEW AND NOT RE-USED. BOLT HOLES IN STEEL SHALL BE 1/16 INCH LARGER THAN NOMINAL SIZE OF BOLT USED, EXCEPT ANCHOR ROD HOLES. MINIMUM BOLT DIAMETER SHALL BE 3/4 INCH. ALL BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT POSITION, EXCEPT AT BRACES, MOMENT CONNECTIONS AND CONNECTIONS MARKED AS SLIP CRITICAL (SC) SHALL BE TIGHTENED USING LOAD INDICATING WASHERS OR TENSION BOLTS.

15. SHEAR STUDS AND THEIR INSTALLATION SHALL MEET ALL REQUIREMENTS OF AWS D1.1. STUD DIAMETER AND LENGTH SHALL BE 3/4 INCH DIAMETER X 4-3/16 INCH LONG BEFORE WELDING. STUDS SHALL BE WELDED IN THE FIELD (NOT THE SHOP) USING AUTOMATICALLY TIMED STUD WELDING EQUIPMENT. THE TOP FLANGE OF THE BEAM MUST BE UNPAINTED AND FREE OF HEAVY RUST, MILL SCALE AND OTHER FOREIGN MATERIALS.

16. ALL STEEL EXPOSED TO WEATHER OR OUTSIDE THE BUILDING'S WATERPROOFING, SUCH AS BRICK SHELF

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ZZ
STORE FRONT BELOW, SEE ARCH.
CANOPY BY CANOPY MNFR.
HSS12X6X3/8 (LSV) @ CANOPY ATTACHMENT B.O.B. = 9' - 5"
OPERABLE PARTITION #2, RE:ARCH. DWGS. FOR MORE INFO.
PROVIDE FILLER ANGLE AT BEAM, SEE 3/S4.7 FOR DETAIL
HSS5X5X1/4 KNEE BRACE. SEE 6/S4.10 (LOCATE ABOVE CLG.)
DECK SUPPORT AT SKEWED BEAM, SEE 3/4.7 (TYP.)
PROVIDE THRU PL. CONN.
1' - 6" TO CL. BEAM
FILLER HSS AT BEAM, SEE 3/4.7 (TYP.)
PROVIDE THRU PL. CONN.
PROVIDE THRU PL. CONN.
W 18 W/ 1/8" OFFSET
BRACE 'A'
W18X40 (CANT.)
CANOPY BY CANOPY MNFR. CONNECTION SEE 9/S4.6
OPEN TO HIGH ROOF
RECESSED SLAB BY 1 1/2" TO ACCOMODATE WOOD FLOORING. REF ARCH
FACE OF FINISH
T.O.B=13'-6" B.O.B=7'-3 1/2"
FACE OF BRICK
PROVIDE STUD BOX HEADER & LINTEL ANGLE FOR INNER WYTHE OF MASONRY @ WINDOWS
(@ WINDOW BELOW)
BRICK LINE
RIDGE
SLOPE
POINT OF BEND (VERIFY W/ ARCH. / DWG. FOR STAIR)
HSS12X3x5/16 STAIR STRINGER (BENT) (TYP.) RE: STAIR MFR.
TEACHING STAIR
HSS4X4X1/4 (TYP.)
STOREFORNT BELOW. SEE ARCH.
SEE 3/S4.5
BRICK WALL LINE ABOVE
JOIST TOP CHORD EXT.
HSS6X6X1/4 (H) (ABOVE) T.O.B. = 20'-10"
HSS4X4X1/4 STUB COL. SEE 6/S4.2
L3x3x3/8 @ ROOF EDGE
L3x3x3/8 HANGER L4X4X1/4\5" - 1"
HSS5X5X1/4 STUB COL.
L3x3x1/4 @ STUB COL.
POINT OF BEND
STAIR, SEE ARCH./ MFR.
W18X40 (46) c=1"
W21X44 (46) c=1 1/4"
W16X26 (34)
W14X22 (22)
W14X22 (BENT BM.)
W12X19 (HI) HSS6X6X3/16 (LO) (T.O.B.= 9' - 2 1/2")
W21X50 (HI) HSS6X6X3/16 (LO) (T.O.B.= 9' - 2 1/2")
W18X35 (22)
W16X26 (22)
W12X14 (5)
W12X19 (16)
W14X22 (20)
W14X22 (18)
W14X22 (25)
W14X48
W12X19
W21X48
W21X44
W18X35
W16X26
W16X31 (30)
W16X40 (24)
W16X36 (30)
W12X14
W14X22
W18X40
W18X35
W16X26
W12X16 (HI)
W12X14 (LO)
W10X12
W21X44
W12X14
W18X40
W14X22
W18X35
W18X28
W18X35
W18X35
W16X26
W14X22
W12X14
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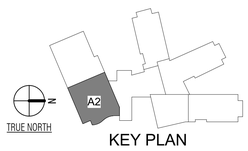
W14X22

1 HIGH ROOF FRAMING PLAN - UNIT A2

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

ROOF PLAN NOTES:

1. LOCATIONS SHOWN THUS: T.O.S.=27'-8" INDICATES TOP OF STEEL (T.O.S.) ELEVATION (TOP OF STEEL = TOP OF JOIST OR BOTTOM OF DECK).
2. FIELD VERIFY ALL EXISTING CONDITONS AND DIMENSIONS PRIOR TO FABRICATION/ CONSTRUCTION.
3. JOISTS SHALL BE DESIGNED FOR ADDITIONAL LOADS RESULTING FROM RTU'S AND OTHER MECHANICAL EQUIPMENT ON THE ROOF OR SUSPENDED FROM THE ROOF STRUCTURE. SEE ARCHITECTURAL AND MEP DRAWINGS FOR LOCATIONS.
4. SPACE JOISTS EQUALLY, U.N.O.
5. PROVIDE 3/16" CLOSURE PLATES AT ALL TUBE BEAMS.
6. REFER TO ARCHITECTURAL DRAWINGS / MEP FOR LCOATIONS OF ROOF DRAINS, OVERFLOW DRAINS AND TAPERED INSULATION.
7. SEE SHEETS S6.1 - S6.5 FOR BRACE ELEVATIONS.
8. SEE SHEET S2.10 - S2.11F FOR ALL COLUMN SIZES NOT SHOWN.
9. ▶— OR MC = MOMENT CONNECTION
   LSH = LONG SIDE HORIZONTAL
   LSV = LONG SIDE VERTICAL
10. B.F.B. INDICATES BOTTOM FLANGE BRACE, SEE DETAIL 1/S4.7 & 5/S4.7
11. REFER TO ARCH. DRAWINGS FOR SUNSHADE SUPPORT AT WINDOW (TYP.)



KEY PLAN

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STATE OF TEXAS — KHALIL TABAJA — 127127 — LICENSED STRUCTURAL ENGINEER

01/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
2 ADDENDUM 4	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
HIGH ROOF FRAMING PLAN - UNIT A2

SHEET NO.
S2.13A2

New Elementary No. 49

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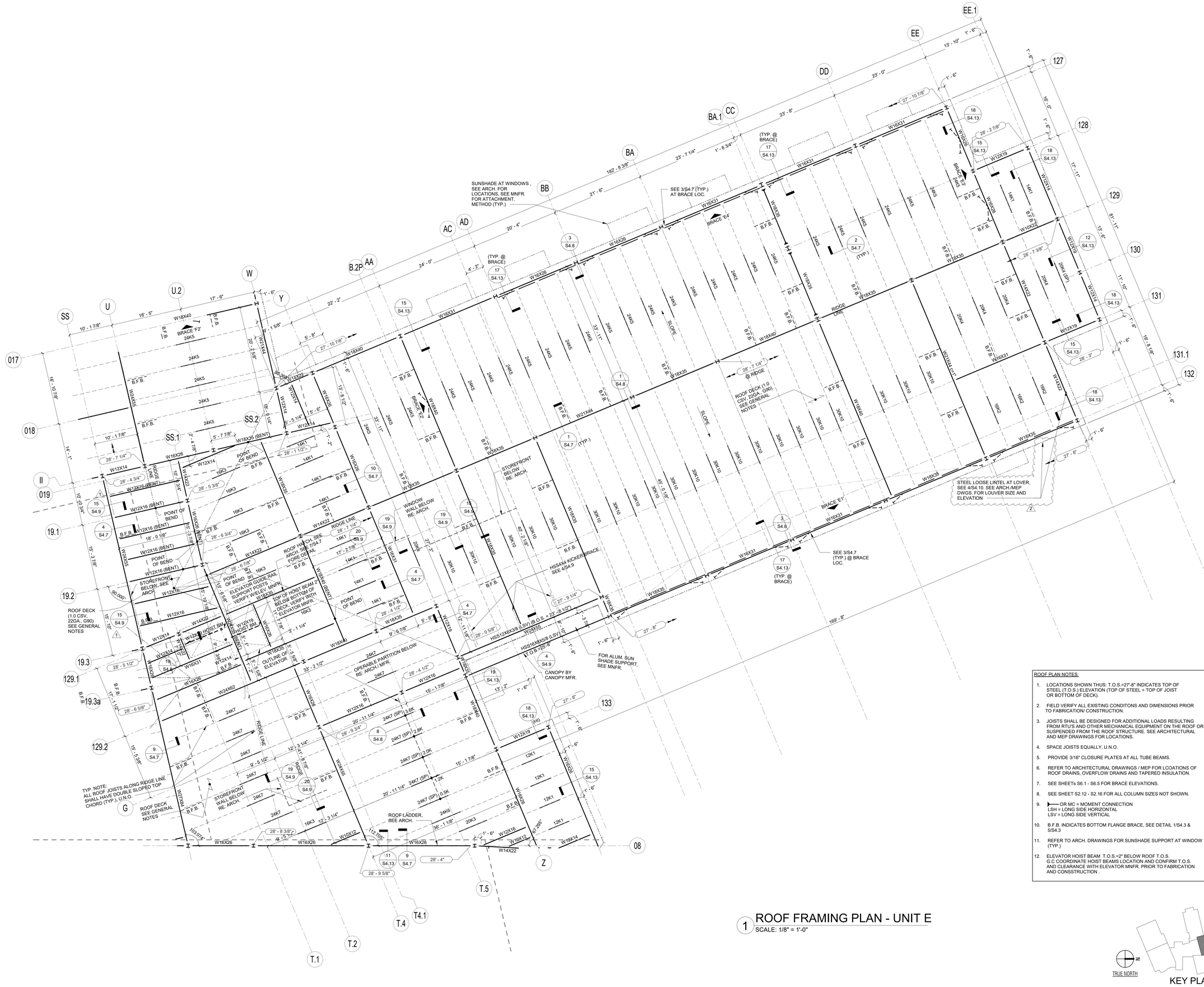
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SS.1
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II
G
Z
T.1
T.2
T.4
T.4.1
T.5
SUNSHADE AT WINDOWS , SEE ARCH. FOR LOCATIONS, SEE MNFR. FOR ATTACHMENT. METHOD (TYP.)
SEE 3/S4.7 (TYP.) AT BRACE LOC.
(TYP. @ BRACE)
ROOF DECK (1.0 CSV, 22GA., G90) SEE GENERAL NOTES
TYP. NOTE: ALL ROOF JOISTS ALONG RIDGE LINE SHALL HAVE DOUBLE SLOPED TOP CHORD (TYP.), U.N.O.
STOREFRONT BELOW, SEE ARCH.
STOREFRONT BELOW RE: ARCH.
WINDOW WALL BELOW RE: ARCH.
OPERABLE PARTITION BELOW RE: ARCH / MFR.
ROOF HATCH, SEE ARCH. SEE 1/S4.7 FOR DETAIL
ELEVATOR GUIDE RAIL SUPPORT POSTS, VERIFY W/ELEV. MNFR.
TOP OF HOIST BEAM 2" BELOW BOTTOM OF DECK. VERIFY W/ ELEVATOR MNFR.
OUTLINE OF ELEVATOR
ROOF LADDER, SEE ARCH.
ROOF DECK SEE GENERAL NOTES
ROOF DECK (1.0 CSV, 22GA., G90) SEE GENERAL NOTES
STEEL LOOSE LINTEL AT LOVER, SEE 4/S4.10. SEE ARCH./MEP DWGS. FOR LOUVER SIZE AND ELEVATION
SEE 3/S4.7 (TYP.) @ BRACE LOC.
HSS4X4 KICKER BRACE, SEE 4/S4.9
HSS12X6X3/8 (LSV) @ O.S. = 23' - 8 1/2"
HSS16X8X3/8 (LSV) @ O.S. = 26' - 8"
CANOPY BY CANOPY MFR.
FOR ALUM. SUN SHADE SUPPORT, SEE MNFR.
ROOF DECK (1.0 CSV, 22GA., G90) SEE GENERAL NOTES
STEEL LOOSE LINTEL AT LOVER, SEE 4/S4.10. SEE ARCH./MEP DWGS. FOR LOUVER SIZE AND ELEVATION
SEE 3/S4.7 (TYP.) @ BRACE LOC.
(TYP. @ BRACE)
ROOF DECK (1.0 CSV, 22GA., G90) SEE GENERAL NOTES
STOREFRONT BELOW RE: ARCH.
ROOF LADDER, SEE ARCH.
OUTLINE OF ELEVATOR
TOP OF HOIST BEAM 2" BELOW BOTTOM OF DECK. VERIFY W/ ELEVATOR MNFR.
ELEVATOR GUIDE RAIL SUPPORT POSTS, VERIFY W/ELEV. MNFR.
ROOF HATCH, SEE ARCH. SEE 1/S4.7 FOR DETAIL
OPERABLE PARTITION BELOW RE: ARCH / MFR.
STOREFRONT WALL BELOW RE: ARCH.
WINDOW WALL BELOW RE: ARCH.
STOREFRONT BELOW, SEE ARCH.
TYP. NOTE: ALL ROOF JOISTS ALONG RIDGE LINE SHALL HAVE DOUBLE SLOPED TOP CHORD (TYP.), U.N.O.
ROOF DECK SEE GENERAL NOTES
ROOF DECK (1.0 CSV, 22GA., G90) SEE GENERAL NOTES
STEEL LOOSE LINTEL AT LOVER, SEE 4/S4.10. SEE ARCH./MEP DWGS. FOR LOUVER SIZE AND ELEVATION
SEE 3/S4.7 (TYP.) @ BRACE LOC.
(TYP. @ BRACE)
ROOF DECK (1.0 CSV, 22GA., G90) SEE GENERAL NOTES
STOREFRONT BELOW, SEE ARCH.
STOREFRONT BELOW RE: ARCH.
WINDOW WALL BELOW RE: ARCH.
OPERABLE PARTITION BELOW RE: ARCH / MFR.
ROOF HATCH, SEE ARCH. SEE 1/S4.7 FOR DETAIL
ELEVATOR GUIDE RAIL SUPPORT POSTS, VERIFY W/ELEV. MNFR.
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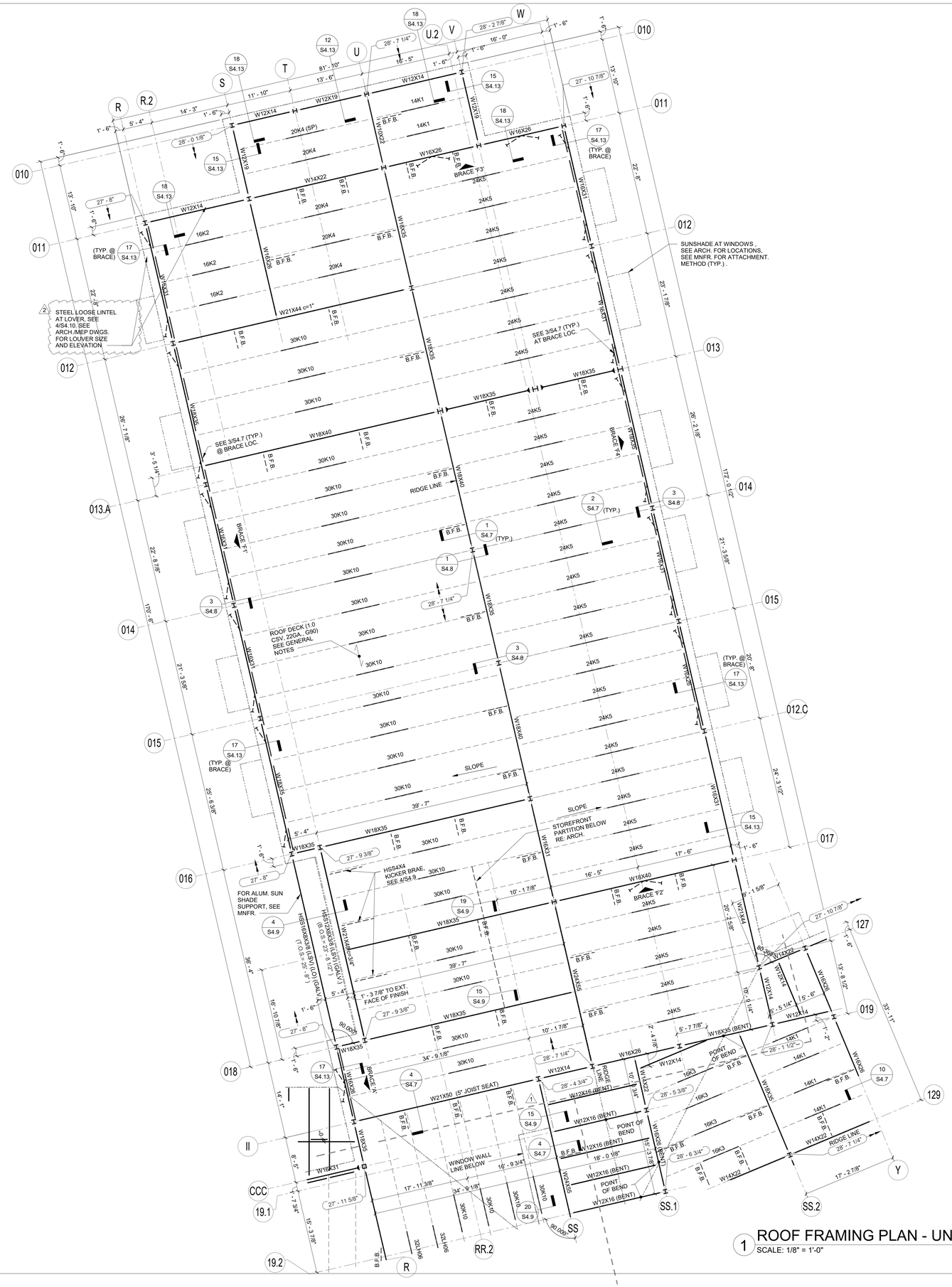
OUTLINE OF ELEVATOR
ROOF LADDER, SEE ARCH.
ROOF DECK SEE GENERAL NOTES
STOREFRONT WALL BELOW RE: ARCH.
TYP. NOTE: ALL ROOF JOISTS ALONG RIDGE LINE SHALL HAVE DOUBLE SLOPED TOP CHORD (TYP.), U.N.O.



ROOF PLAN NOTES:

1. LOCATIONS SHOWN THUS: T.O.S =27'-8" INDICATES TOP OF STEEL (T.O.S.) ELEVATION (TOP OF STEEL = TOP OF JOIST OR BOTTOM OF DECK).
2. FIELD VERIFY ALL EXISTING CONDITONS AND DIMENSIONS PRIOR TO FABRICATION/ CONSTRUCTION.
3. JOISTS SHALL BE DESIGNED FOR ADDITIONAL LOADS RESULTING FROM RTU'S AND OTHER MECHANICAL EQUIPMENT ON THE ROOF OR SUSPENDED FROM THE ROOF STRUCTURE. SEE ARCHITECTURAL AND MEP DRAWINGS FOR LOCATIONS.
4. SPACE JOISTS EQUALLY, U.N.O.
5. PROVIDE 3/16" CLOSURE PLATES AT ALL TUBE BEAMS.
6. REFER TO ARCHITECTURAL DRAWINGS / MEP FOR LCOATIONS OF ROOF DRAINS, OVERFLOW DRAINS AND TAPERED INSULATION.
7. SEE SHEETS S6.1 - S6.5 FOR BRACE ELEVATIONS.
8. SEE SHEET S2.10 - S2.11F FOR ALL COLUMN SIZES NOT SHOWN.
9. ▶— OR MC = MOMENT CONNECTION
   LSH = LONG SIDE HORIZONTAL
   LSV = LONG SIDE VERTICAL
10. B.F.B. INDICATES BOTTOM FLANGE BRACE, SEE DETAIL 1/S4.7 & 5/S4.7
11. REFER TO ARCH. DRAWINGS FOR SUNSHADE SUPPORT AT WINDOW (TYP.)

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01/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
1 ADDENDUM 2	12/18/2025
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Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
ROOF FRAMING PLAN - UNIT F

SHEET NO.
S2.13F

New Elementary No. 49

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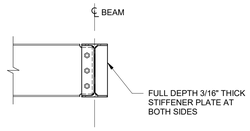
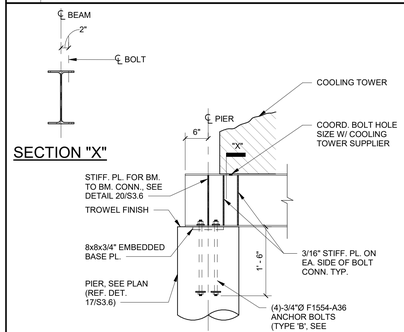


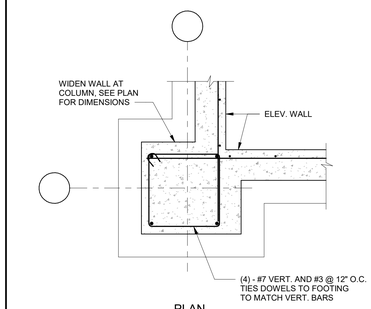
20 CONNECTION DETAIL AT COOLING TOWER

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



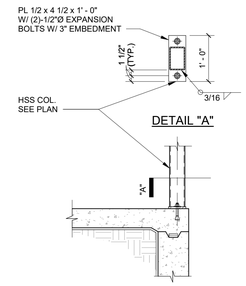
19 DETAIL AT COOLING TOWER

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



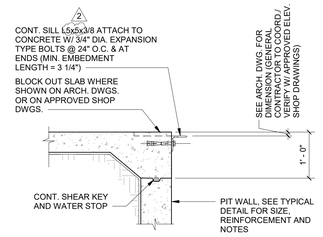
7 TYPICAL DETAIL ELEVATOR PIT AT COLUMN

SCALE: N.T.S.



4 TYPICAL DETAIL ELEVATOR GUIDE RAIL SUPPORT

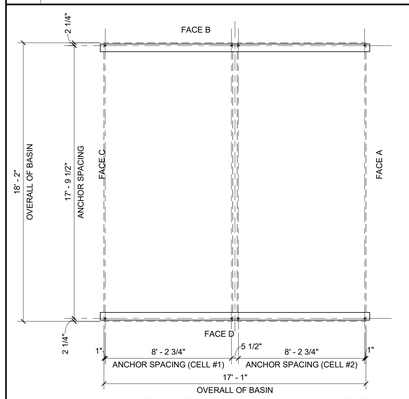
SCALE: N.T.S.



NOTES:
1. PROVIDE CONTINUOUS ELEVATOR SILL ANGLE AT THRESHOLD OF ELEVATOR PIT, SEE ARCH. DRAWINGS FOR LOCATION.
2. INSTALL EXPANSION BOLTS ACCORDING TO MANUFACTURER'S REQUIREMENTS.

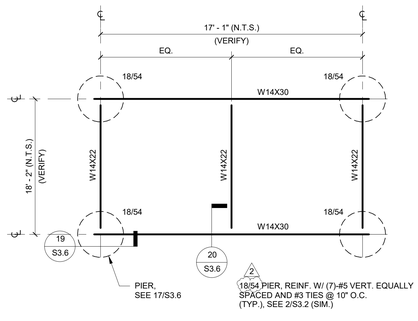
3 TYPICAL DETAIL ELEVATOR PIT SILL ANGLE CONNECTION

SCALE: N.T.S.



18 COOLING TOWER MOUNTING HOLE PLAN

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

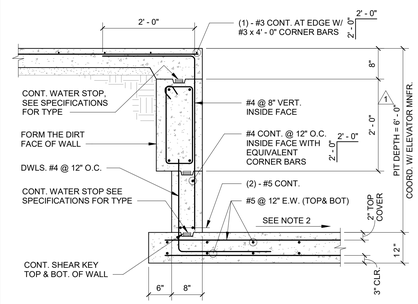


NOTES:
1. G.C. SHALL COORDINATE DIMENSIONS W/ COOLING TOWER SUPPLIER PRIOR TO FABRICATION/CONSTRUCTION.
2. ALL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED (TYP.) U.N.O.
3. THE COOLING TOWER SUPPORT FRAMING PROVIDED IS DESIGNED TO SUPPORT AND NC8403MLN2SMF MODEL BY MARLEY.
DIMENSIONS:
LENGTH: 17' - 1"
WIDTH: 18' - 2"
HEIGHT: 11' - 5 1/2"

WEIGHTS:
SHIPPING: 9,178 LB PER CELL
OPERATING: 17,254 LB PER CELL

COOLING TOWER SUPPORT FRAMING/FOUNDATION

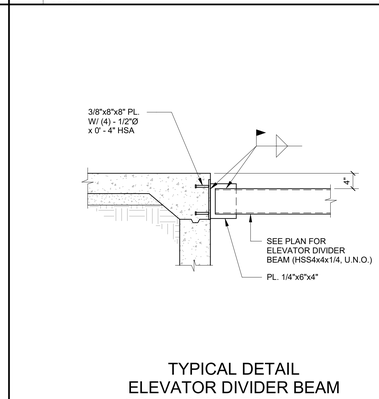
13 SCALE: 1/4" = 1'-0"



NOTES:
1. SEE TYPICAL DETAIL, "ELEVATOR PIT" FOR ADDITIONAL INFORMATION.
2. BOTTOM SECTION OF WALL MAY BE POURED W/ GRADE BEAM AT CONTRACTOR'S OPTION.

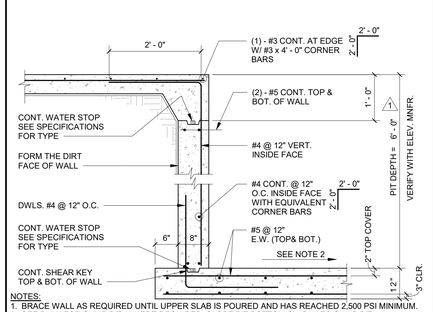
9 TYPICAL DETAIL ELEVATOR PIT

SCALE: N.T.S.



6 TYPICAL DETAIL ELEVATOR DIVIDER BEAM CONNECTION TO PIT WALL

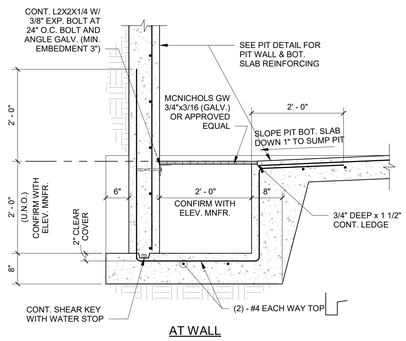
SCALE: N.T.S.



NOTES:
1. BRACE WALL AS REQUIRED UNTIL UPPER SLAB IS POURED AND HAS REACHED 2,500 PSI MINIMUM.
2. SEE PLAN FOR SUMP PIT, WHERE REQUIRED. SLOPE PIT BOTTOM SLAB 1" TO SUMP PIT.
3. SEE OTHER DETAILS FOR ELEVATOR SILL DETAIL.
4. GENERAL CONTRACTOR TO COORDINATE ELEVATOR PIT SIZE, DEPTH, SILL DETAIL AND BLOCK OUT REQUIREMENTS WITH ELEVATOR MANUFACTURER'S APPROVED SHOP DRAWINGS.
5. WHERE ELEVATOR PIT SLAB IS BLOCKED OUT TO ALLOW FOR PLACEMENT OF HYDRAULIC ELEVATOR JACK, FILL BLOCK OUT WITH CONCRETE AFTER JACK IS SET.

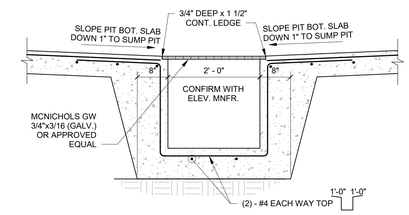
5 TYPICAL DETAIL AT ELEVATOR PIT

SCALE: N.T.S.



AT WALL

NOTE:
1. SEE PLAN FOR LOCATION AND SIZE WHERE DIFFERENT FROM DIMENSIONS SHOWN IN THIS DETAIL.



AT CENTER

1 TYPICAL DETAIL ELEVATOR SUMP PIT

SCALE: N.T.S.

17 DETAIL AT COOLING TOWER

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

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01/15/2026

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REVISIONS

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1 ADDENDUM 2	12/18/2025
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Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
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SHEET TITLE
ELEVATOR AND COOLING TOWER DETAILS

SHEET NO.
S3.6

New Elementary No. 49

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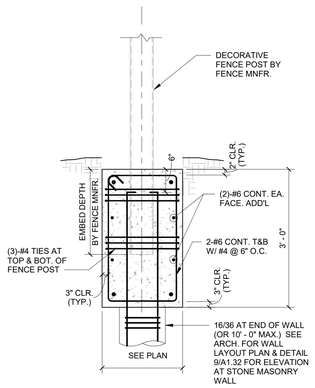
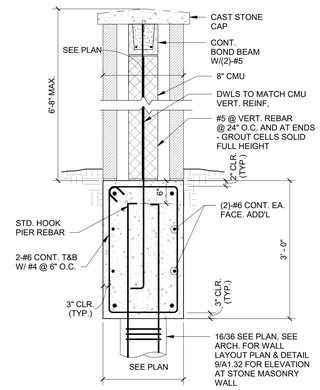


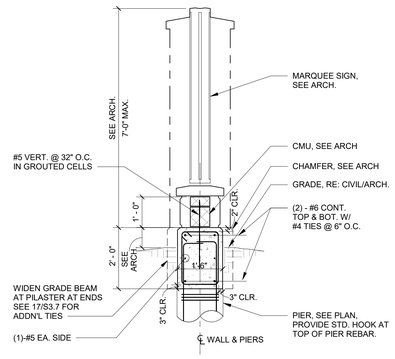
TYPICAL DETAIL
AT FENCE POST & STONE MASONRY WALL

20 SCALE: 3/4" = 1'-0"



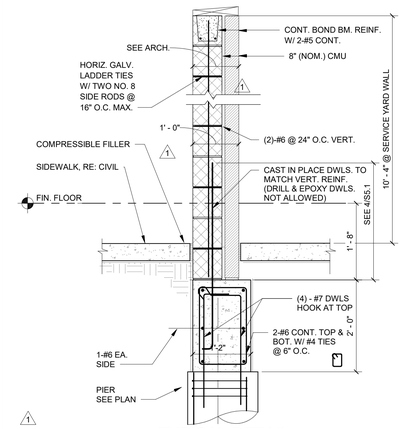
DETAIL AT
STONE MASONRY WALL

16 SCALE: 3/4" = 1'-0"



FOUNDATION DETAIL - MARQUEE SIGN

12 SCALE: 1/2" = 1'-0"

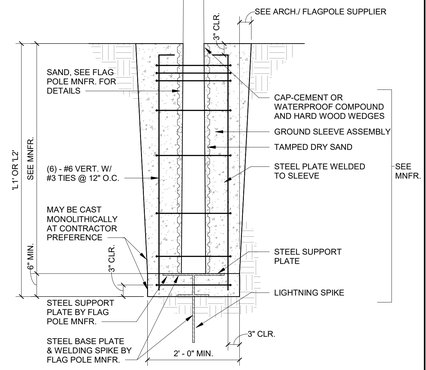


TYPICAL DETAIL
AT FREESTANDING CMU

8 SCALE: 3/4" = 1'-0"

MIN. 'L' DEPTH			
MAX. POLE HEIGHT (ft.)	MAX. FLAG AREA ft²	'L1'	'L2'
20	24	4' - 0"	3' - 0"
25	30	5' - 0"	4' - 0"
30	60	5' - 6"	4' - 6"
35	60	6' - 0"	4' - 6"
45	96	7' - 6"	5' - 6"
50	150	8' - 6"	6' - 6"

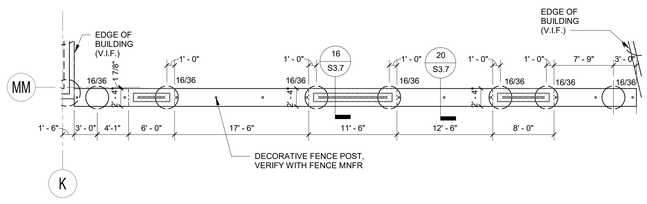
NOTES:
1. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI WITH A MAXIMUM AGGREGATE SIZE OF 1 1/2" AND A MAXIMUM WATER / CEMENT RATIO OF 0.54.
2. ALL REINFORCEMENT SHALL CONFORM TO ASTM A615, GR. 60.
3. ASSUMPTIONS FOR FOUNDATION DESIGN INCLUDE A 5'-12", 20-50 FT. POLE W/ FIXTURES AND A MAXIMUM FLAG AREA OF 24-150 SQ. FT.
4. SEE MNFR. DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. WIND LOAD CRITERIA IS PER IBC 2021, Vult = 140 MPH.
6. FOR A STATED POLE HEIGHT SHOWN ON THE TABLE, THE DEPTH OF PIER IS DEEMED ADEQUATE IF THE MAX. FLAG AREA IS LESS THAN SHOWN ON TABLE ABOVE. WHERE MULTIPLE FLAGS ARE INSTALLED, THE COMBINED AREA OF THE FLAGS SHALL BE USED.
7. USE DEPTH 'L2' WHERE FLAG POLE IS CONFINED BY PAVING, AT BASE, OTHERWISE USE 'L1'.
8. THE PRESENCE OF SAND SEAMS AND SLICKENSIDES IN THE LAYERS MAY CAUSE SLOUGHING DURING PIER EXCAVATION, THIS MAY REQUIRE THE USE OF TEMPORARY STEEL CASING.
9. CONCRETE SHALL BE POURED IMMEDIATELY AFTER EXCAVATION.



TYPICAL DETAIL
FLAG POLE FOUNDATION

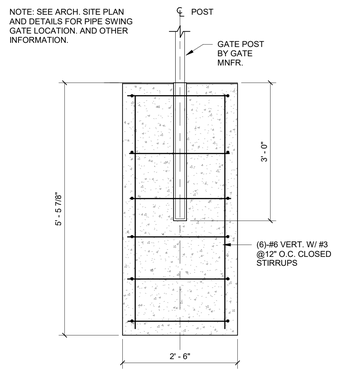
3 SCALE: N.T.S.

NOTE:
1.SEE ARCH DRAWINGS 9/A1.32, 10/A1.32 & 5/A1.21 FOR MORE INFORMATION.
2. SEE 1/S3.2 FOR REQ'D PIER DEPTH.



FOUNDATION PLAN AT FREE-STONE MANSORY WALL &
DECORATIVE FENCE

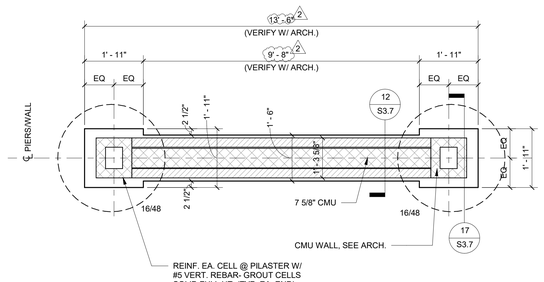
19 SCALE: 1/8" = 1'-0"



TYPICAL DETAIL AT PIPE SWING GATE POST

11 SCALE: N.T.S.

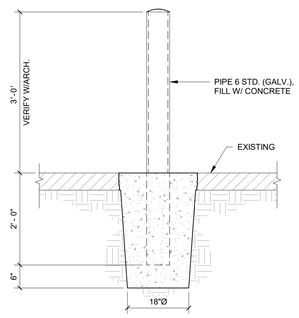
NOTE:
GC COORD./VERIFY WALL DIM. W/ ARCH.



MARQUEE SIGN FOUNDATION PLAN

18 SCALE: 1/2" = 1'-0"

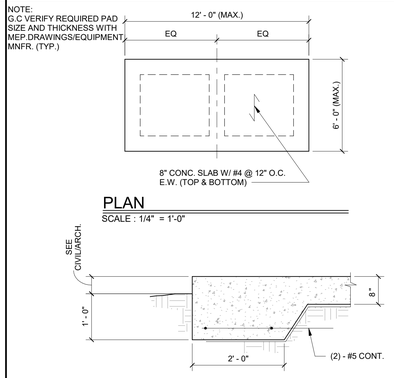
NOTES:
1. BOLLARD IS NOT DESIGNED AS A VEHICLE BARRIER, BUT RATHER IS INTENDED AS A TRAFFIC DIVERTER AND IS NOT DESIGNED FOR SIGNIFICANT IMPACT LOADS.



TYPICAL DETAIL
TRAFFIC DIVERTER BOLLARD

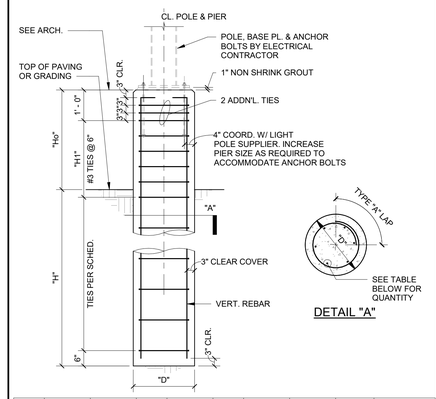
10 SCALE: 3/4" = 1'-0"

NOTE:
G.C VERIFY REQUIRED PAD SIZE AND THICKNESS WITH MEP DRAWINGS/EQUIPMENT MNFR. (TYP.)



GENERATOR FOUNDATION

6 SCALE: N.T.S.

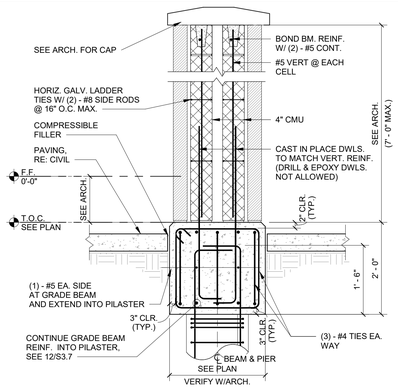


POLE MARK	NOM. POLE HEIGHT	ASSUMED EPA (sf)	"H" DEPTH OF PIER	"Ho" ABOVE GRADE	"H1"	"D" DIAMETER OF PIER	VERTICAL REINF	TIES	REMARKS
LP1	15' - 0"	5.0	5' - 0"	RE: ARCH.	1' - 6"	24"	6 - #6	#3 @ 12"	TYPICAL PARKING
LP2	25' - 0"	10.0	8' - 0"	RE: ARCH.	1' - 6"	24"	6 - #6	#3 @ 12"	TYPICAL PARKING
LP3	35' - 0"	10.0	10' - 0"	RE: ARCH.	1' - 6"	24"	6 - #7	#3 @ 12"	
LP4	40' - 0"	25.0	12' - 0"	9"	2' - 0"	24"	6 - #8	#3 @ 12"	

NOTES:
1. WIND LOAD CRITERIA IS PER IBC 2021. Vult = 140 MPH.
2. CONCRETE COMPRESSIVE STRENGTH, F'C = 3,000 PSI (NWC), WITH A MAX WATER/CEMENT RATIO OF 0.54.
3. STEEL REINFORCEMENT SHALL BE ASTM A615, GR. 60.
4. REFER TO ARCH DRAWINGS/CIVIL DRAWINGS FOR LOCATIONS OF LIGHT POLES.
5. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION (AND SPECIFICATIONS FOR LIGHT STANDARDS).
6. VERIFY PROJECTION OF CONCRETE ABOVE GROUND WITH ARCHITECT.
7. EPA INDICATES MAXIMUM EXPOSED PROJECTED AREA AT THE TOP OF THE POLE IN ANY DIRECTION.
8. FOR A STATED POLE HEIGHT SHOWN ON THE TABLE, THE DEPTH OF PIER IS DEEMED ADEQUATE IF EPA IS LESS THAN SHOWN ON TABLE ABOVE.
9. THE PRESENCE OF SAND SEAMS AND SLICKENSIDES IN THE LAYERS MAY CAUSE SLOUGHING DURING PIER EXCAVATION, THIS MAY REQUIRE THE USE OF TEMPORARY STEEL CASING.
10. CONCRETE SHALL BE POURED IMMEDIATELY AFTER EXCAVATION.

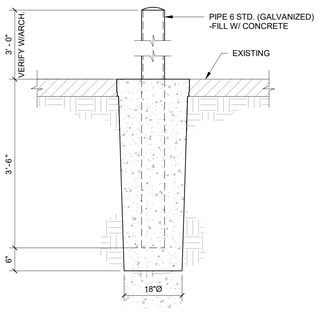
TYPICAL DETAIL
LIGHT POLE FOUNDATION

1 SCALE: N.T.S.



FOUNDATION DETAIL - MARQUEE SIGN

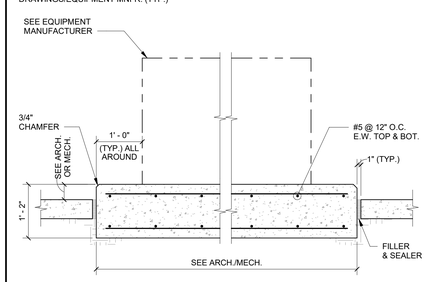
17 SCALE: 3/4" = 1'-0"



TYPICAL DETAIL
BOLLARD

9 SCALE: 3/4" = 1'-0"

NOTE:
G.C VERIFY REQUIRED PAD SIZE AND THICKNESS WITH MEP. DRAWINGS/EQUIPMENT MNFR. (TYP.)



TYPICAL DETAIL
CHILLER/TRANSFORMER PAD

5 SCALE: N.T.S.

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ENGINEER
01/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
1 ADDENDUM 2	12/18/2025
2 ADDENDUM 4	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
SITE FOUNDATION DETAILS

SHEET NO.
S3.7

New Elementary No. 49

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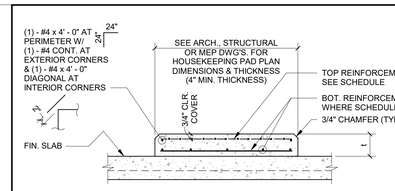
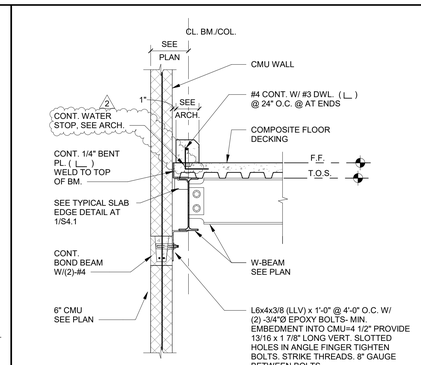


HOUSEKEEPING PAD REINF. SCHEDULE		
PAD THICKNESS	TOP REINFORCEMENT	BOTTOM REINF.
4" (MAX.)	4"x4" - W4.0 x W4.0	NONE

NOTE:
1. GENERAL CONTRACTOR TO DETERMINE REQUIREMENTS FOR HOUSEKEEPING PADS OVER STRUCTURAL SLAB AND PROVIDE WHERE REQUIRED WHETHER SHOWN ON STRUCTURAL DRAWINGS OR NOT. COORDINATE DIMENSIONS AND OTHER SPECIAL REQUIREMENTS WITH EQUIPMENT MANUFACTURERS AS REQUIRED.
2. PAD SHALL NOT BE POURED UNTIL AFTER SLAB HAS REACHED ITS SPECIFIED 28 DAYS STRENGTH.
3. CONCRETE FOR HOUSEKEEPING PAD SHALL BE LIGHTWEIGHT CONCRETE WITH f'c = 3,000 psi

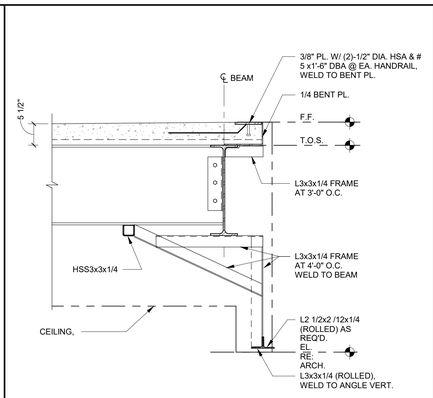
TYPICAL DETAIL
CONCRETE ISLAND OR HOUSEKEEPING PAD
SECOND FLOOR

20 SCALE: 3/4" = 1'-0"



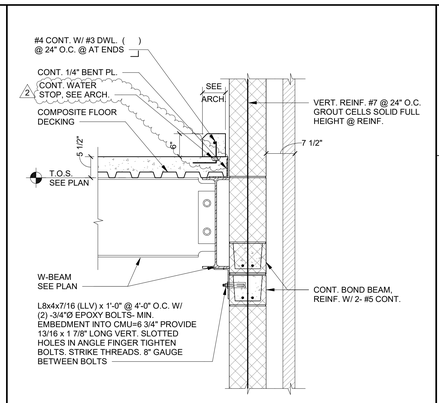
FRAMING DETAIL

16 SCALE: 3/4" = 1'-0"



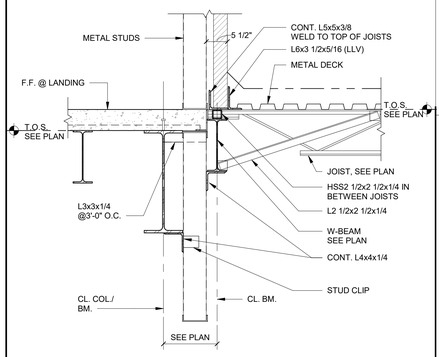
FRAMING DETAIL

12 SCALE: 3/4" = 1'-0"



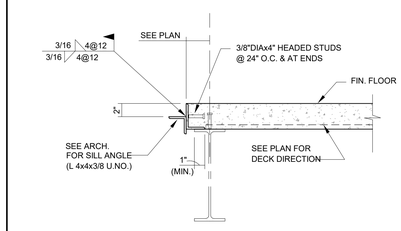
FRAMING DETAIL

8 SCALE: 3/4" = 1'-0"



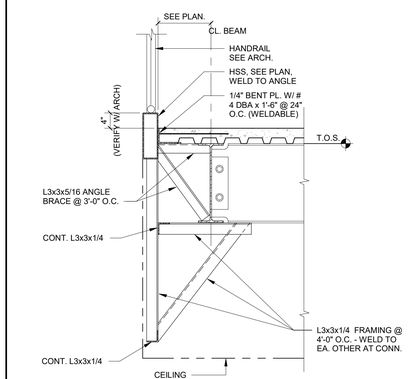
FRAMING DETAIL

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



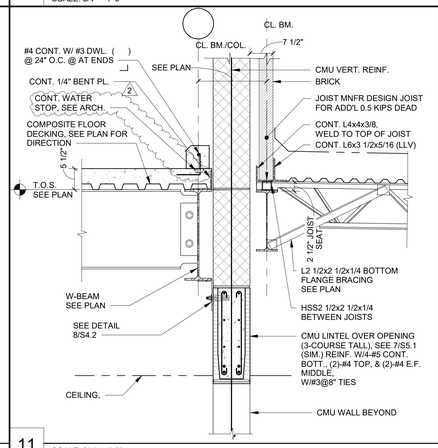
TYPICAL DETAIL
ELEVATOR SILL AT DOOR

19 SCALE: 3/4" = 1'-0"



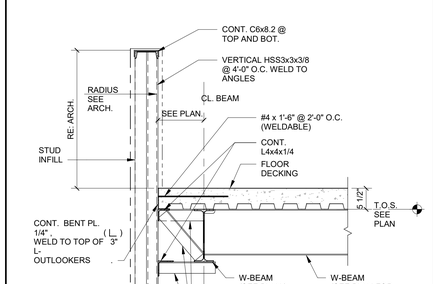
FRAMING DETAIL

15 SCALE: 3/4" = 1'-0"



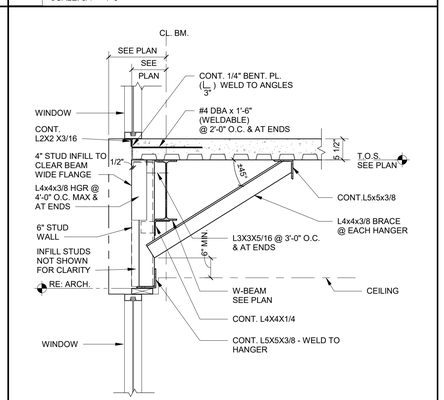
FRAMING DETAIL

11 SCALE: 3/4" = 1'-0"



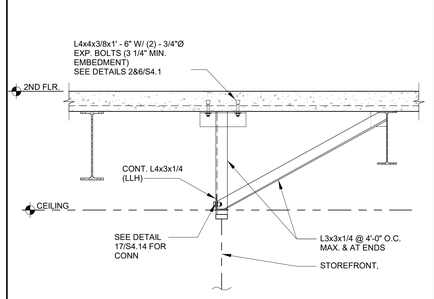
DETAIL
AT SECOND FLOOR BALCONY

7 SCALE: 3/4" = 1'-0"



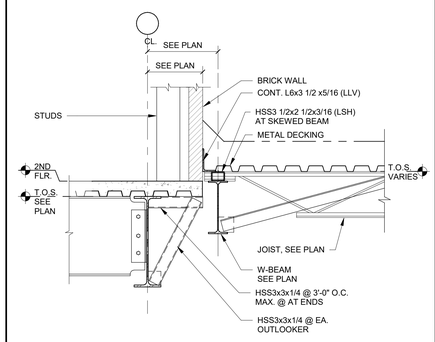
FRAMING DETAIL

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



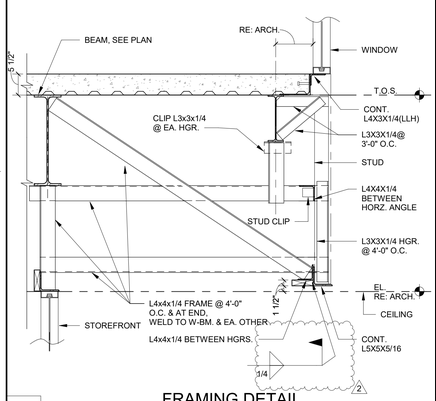
STOREFRONT BRACING DETAIL

18 SCALE: 3/4" = 1'-0"



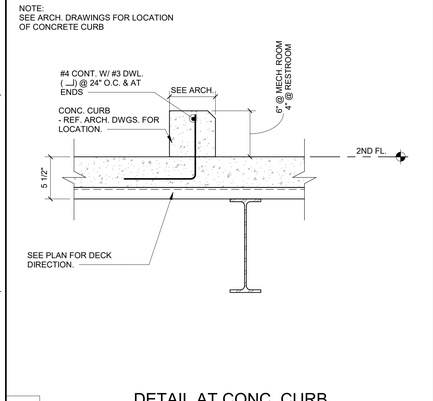
FRAMING DETAIL

14 SCALE: 3/4" = 1'-0"



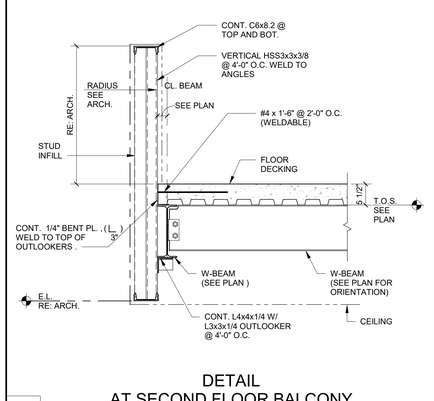
FRAMING DETAIL

10 SCALE: 3/4" = 1'-0"



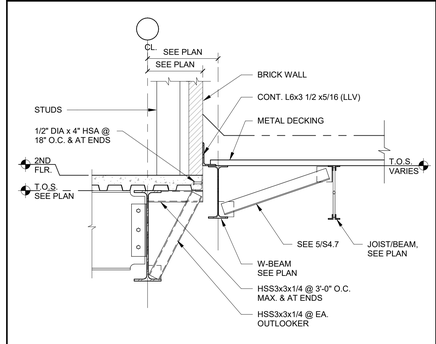
DETAIL AT CONC. CURB

6 SCALE: 1 1/2" = 1'-0"



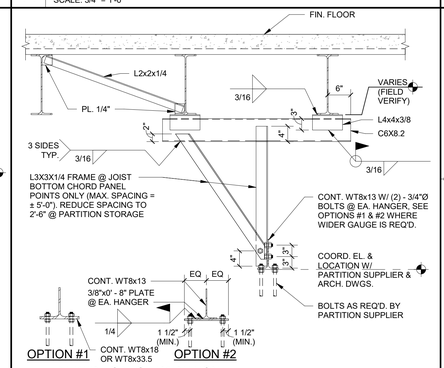
DETAIL
AT SECOND FLOOR BALCONY

2 SCALE: 3/4" = 1'-0"



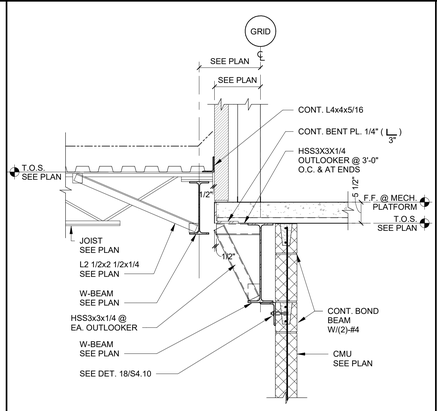
FRAMING DETAIL

17 SCALE: 3/4" = 1'-0"



TYPICAL DETAIL
OPERABLE PARTITION SUPPORT

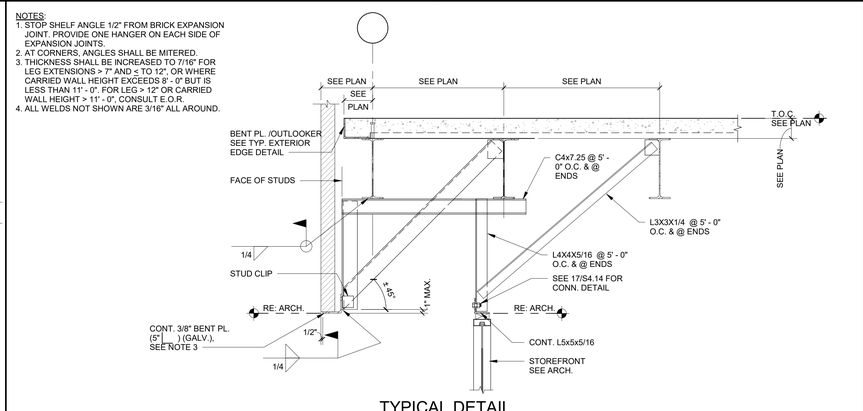
13 SCALE: 3/4" = 1'-0"



FRAMING DETAIL

9 SCALE: 3/4" = 1'-0"

NOTES:
1. STOP SHELF ANGLE 1/2" FROM BRICK EXPANSION JOINT. PROVIDE ONE HANGER ON EACH SIDE OF EXPANSION JOINTS.
2. AT CORNERS, ANGLES SHALL BE MITERED.
3. THICKNESS SHALL BE INCREASED TO 7/16" FOR LEG EXTENSIONS > 7" AND ≤ TO 12", OR WHERE CARRIED WALL HEIGHT EXCEEDS 8' - 0" BUT IS LESS THAN 11' - 0". FOR LEG > 12" OR CARRIED WALL HEIGHT > 11' - 0", CONSULT E.O.R.
4. ALL WELDS NOT SHOWN ARE 3/16" ALL AROUND.



TYPICAL DETAIL
BRICK SUPPORT AND STOREFRONT BRACING

5 SCALE: N.T.S.

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01/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
2 ADDENDUM 4	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
FLOOR FRAMING DETAILS

SHEET NO.
S4.2

New Elementary No. 49

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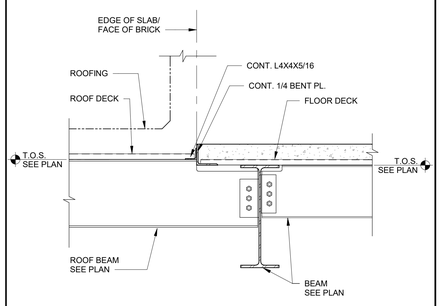
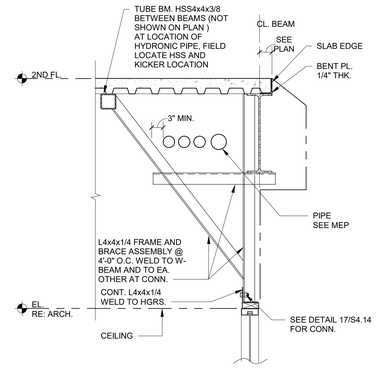


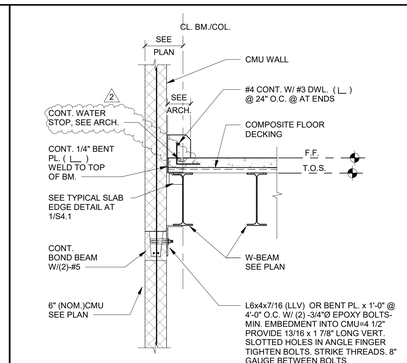
20 SCALE: 3/4" = 1'-0"

FRAMING DETAIL



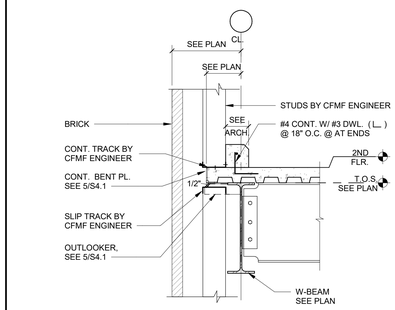
16 SCALE: 3/4" = 1'-0"

TYPICAL DETAIL
STOREFRONT SUPPORT AT FLOOR



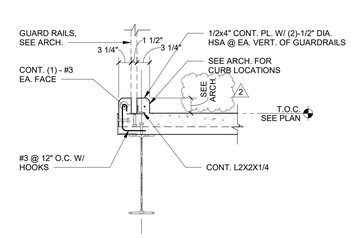
12 SCALE: 3/4" = 1'-0"

TYPICAL DETAIL
FRAMING AT MECHANICAL PLATFORM
(BEAM PARALLEL)



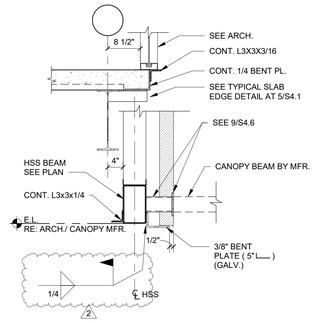
8 SCALE: 3/4" = 1'-0"

TYPICAL DETAIL
SLAB EDGE AT FLOOR W/CONCRETE CURB



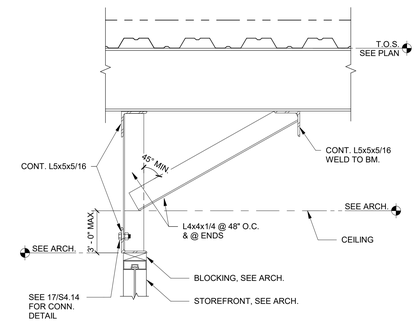
4 SCALE: N.T.S.

TYPICAL DETAIL
REMOVABLE GUARDRAIL AT CURB



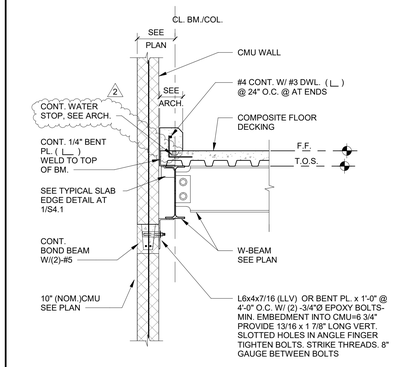
19 SCALE: 3/4" = 1'-0"

FRAMING DETAIL



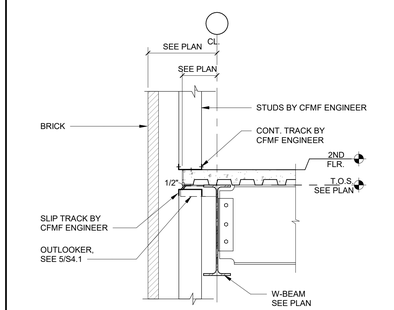
15 SCALE: N.T.S.

TYPICAL DETAIL
SUPPORT AT ENTRY AT FLOOR
(BEAMS PERPENDICULAR)



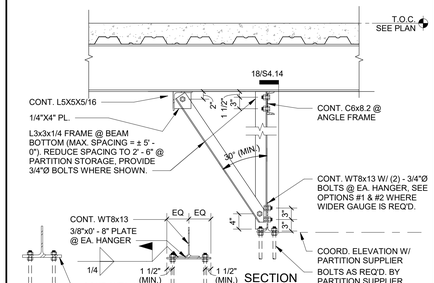
11 SCALE: 3/4" = 1'-0"

FRAMING DETAIL



7 SCALE: 3/4" = 1'-0"

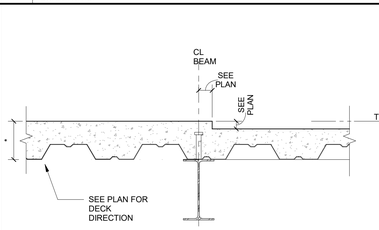
TYPICAL DETAIL
SLAB EDGE AT FLOOR WITHOUT CURB



NOTES:
1. ALL WELDS NOT SHOWN ARE 3/16" FILLET ALL AROUND.
2. DESIGN BEAM FOR I/600 OR 1 1/2" MAX. DEFLECTION UNDER LIVE LOAD & OPERABLE PARTITION LOADS, U.N.O. BY PARTITION SUPPLIER.

3 SCALE: N.T.S.

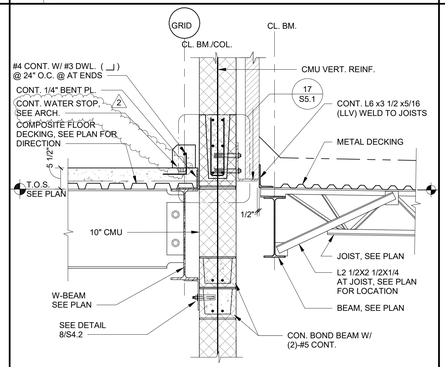
TYPICAL DETAIL
OPERABLE PARTITION SUPPORT
AT FLOOR BEAMS



NOTE:
1. " * ": SEE PLAN NOTES.

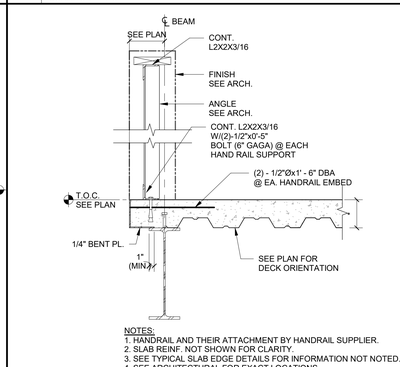
14 SCALE: 1 1/2" = 1'-0"

TYPICAL DETAIL
SLAB DEPRESSION



10 SCALE: 3/4" = 1'-0"

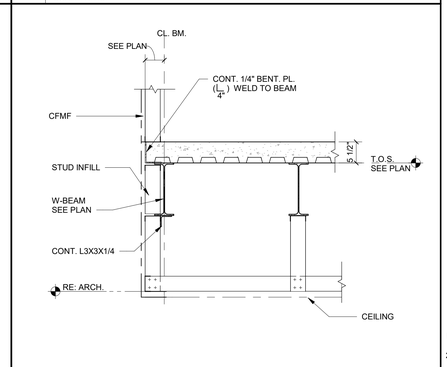
TYPICAL DETAL
FARMING AT MECHANICAL PLATFORM
AND LOW ROOF



NOTES:
1. HANDRAIL AND THEIR ATTACHMENT BY HANDRAIL SUPPLIER.
2. SLAB REINF. NOT SHOWN FOR CLARITY.
3. SEE TYPICAL SLAB EDGE DETAILS FOR INFORMATION NOT NOTED.
4. SEE ARCHITECTURAL FOR EXACT LOCATIONS.
5. " * : SEE PLAN NOTES.

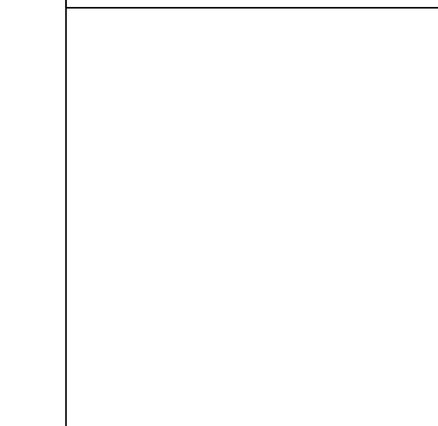
6 SCALE: 1" = 1'-0"

TYPICAL DETAIL
EMBED AT STAIR STUD SHORT WALL



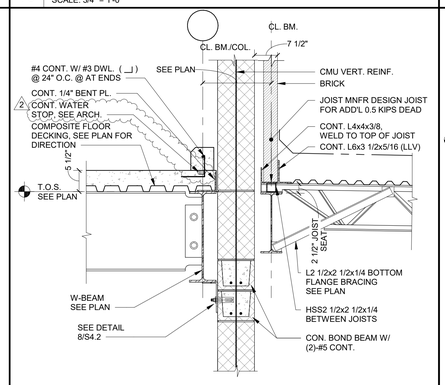
2 SCALE: 3/4" = 1'-0"

TYPICAL DETAIL
INTERIOR SLAB EDGE AT FLOOR



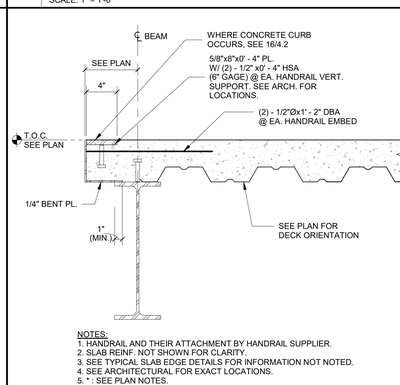
13 SCALE: 3/4" = 1'-0"

FRAMING DETAIL AT MEZZ DOOR



9 SCALE: 3/4" = 1'-0"

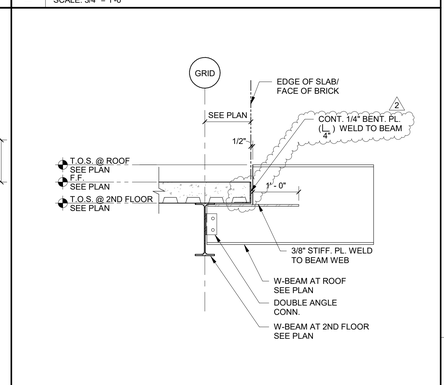
TYPICAL DETAL
FARMING AT MECHANICAL PLATFORM
AND LOW ROOF



NOTES:
1. HANDRAIL AND THEIR ATTACHMENT BY HANDRAIL SUPPLIER.
2. SLAB REINF. NOT SHOWN FOR CLARITY.
3. SEE TYPICAL SLAB EDGE DETAILS FOR INFORMATION NOT NOTED.
4. SEE ARCHITECTURAL FOR EXACT LOCATIONS.
5. " * : SEE PLAN NOTES.

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

TYPICAL DETAIL
EMBED AT HANDRAIL SUPPORT



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

FRAMING DETAIL

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01/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
2 ADDENDUM 4	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
TYPICAL FLOOR FRAMING DETAILS

SHEET NO.
S4.3

New Elementary No. 49

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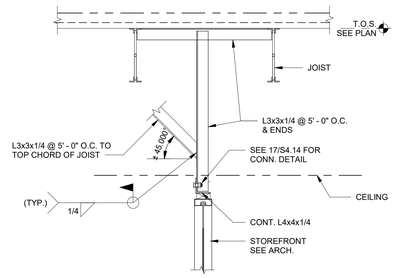
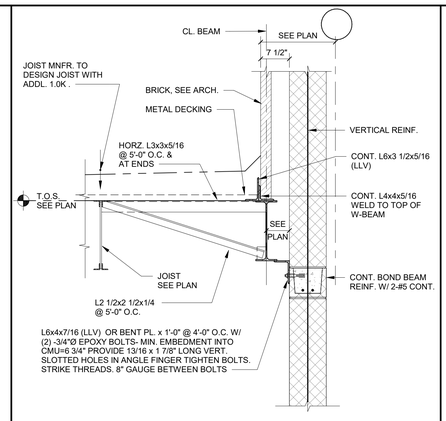


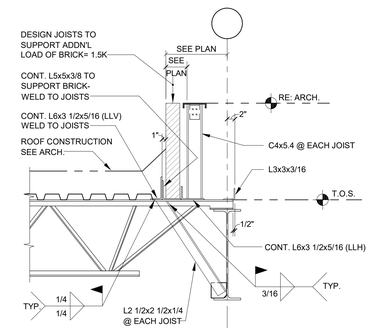
TYPICAL DETAIL
BRACING OF STOREFRONT

20 SCALE: N.T.S.



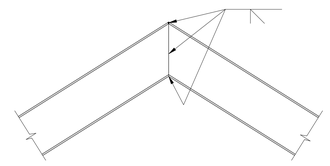
TYPICAL DETAIL
ROOF DETAIL AT CMU WALL

16 SCALE: 3/4" = 1'-0"



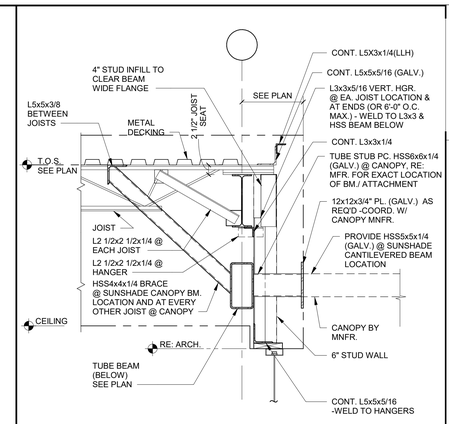
TYPICAL DETAIL
AT STRIP WINDOWS

12 SCALE: 3/4" = 1'-0"



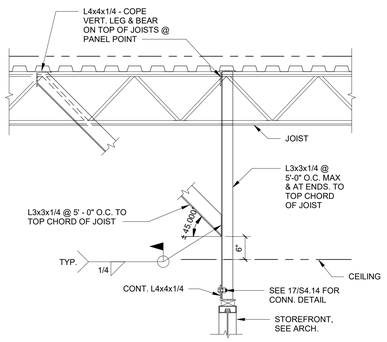
TYPICAL DETAIL
BENT BEAM

8 SCALE: 3/4" = 1'-0"



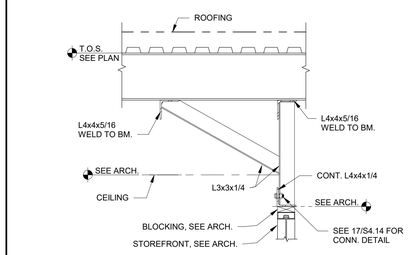
FRAMING DETAIL

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



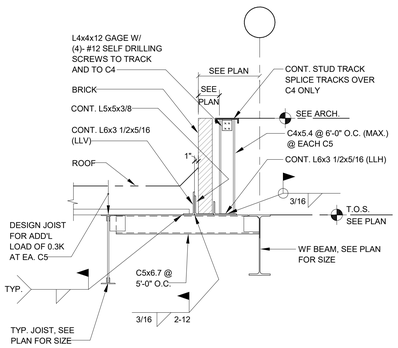
TYPICAL DETAIL
BRACING OF STOREFRONT

19 SCALE: N.T.S.



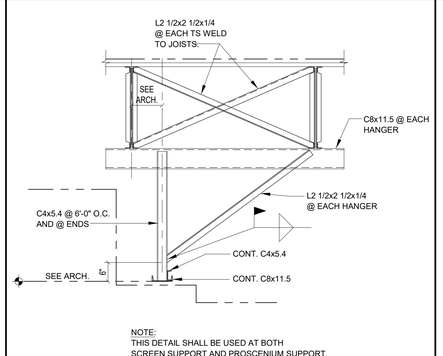
TYPICAL DETAIL
BRACING OF STOREFRONT AT ROOF BEAM

15 SCALE: N.T.S.



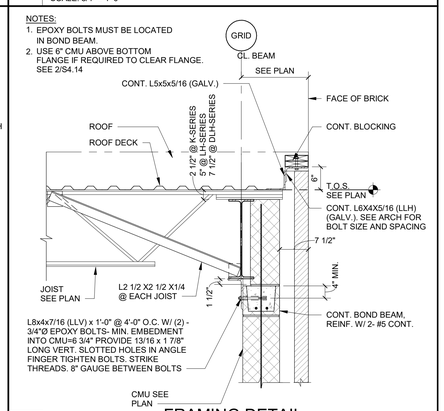
TYPICAL DETAIL
AT STRIP WINDOWS

11 SCALE: 3/4" = 1'-0"



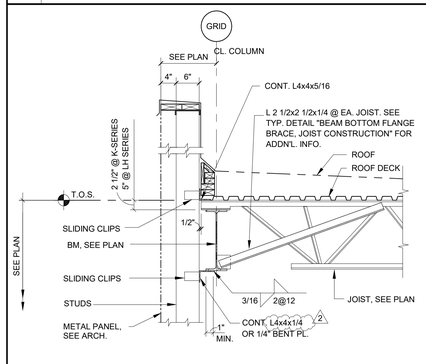
DETAIL AT STAGE PROSCENIUM
AND PROJECTOR SCREEN SUPPORT

7 SCALE: 3/4" = 1'-0"



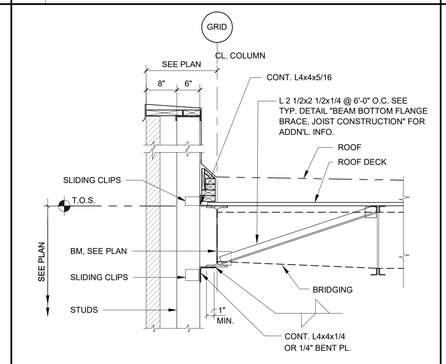
FRAMING DETAIL

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



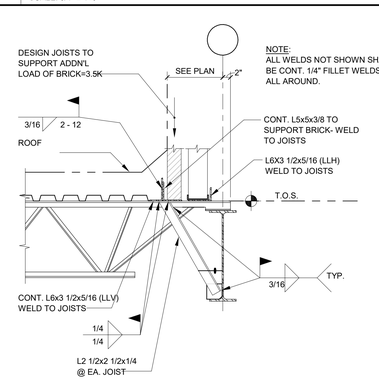
TYPICAL DETAIL
EXTERIOR EDGE AT STUDS
(JOIST PERPENDICULAR TO BEAMS)

18 SCALE: 3/4" = 1'-0"



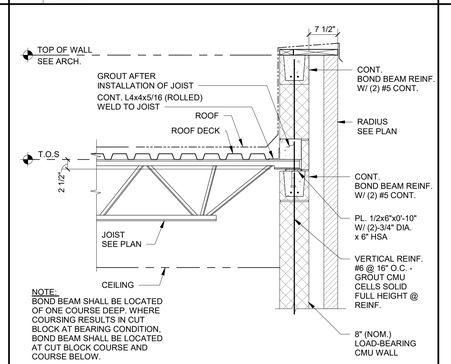
TYPICAL DETAIL
EXTERIOR EDGE AT STUDS
(JOIST PARALLEL TO BEAMS)

14 SCALE: 3/4" = 1'-0"



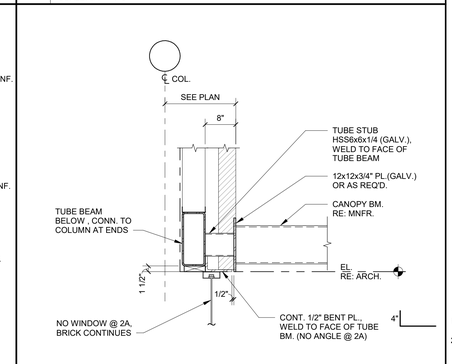
TYPICAL DETAIL
BRICK SUPPORT AT LOW ROOF

10 SCALE: 3/4" = 1'-0"



TYPICAL DETAIL
JOIST SEAT AT CMU WALL

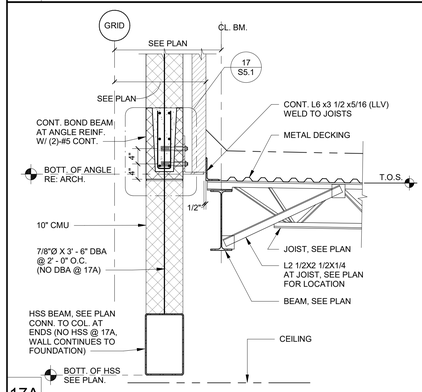
6 SCALE: 3/4" = 1'-0"



2A

FRAMING DETAIL AT CANOPY

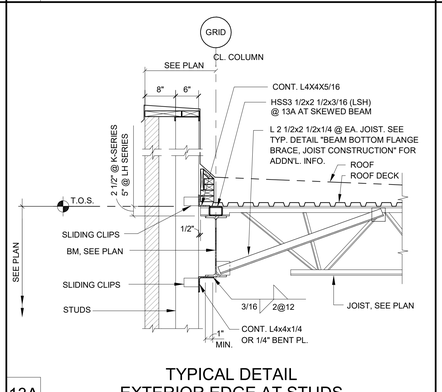
2 SCALE: 3/4" = 1'-0"



17A

TYPICAL DETAIL
FRAMING DETAIL

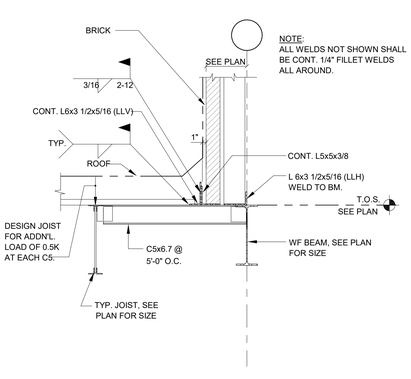
17 SCALE: 3/4" = 1'-0"



13A

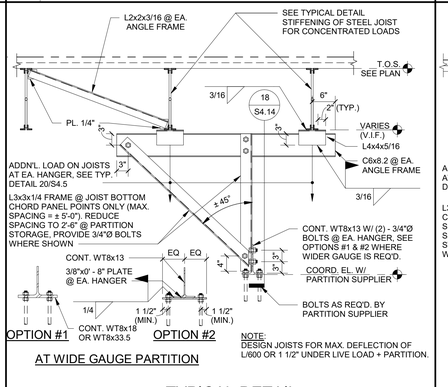
TYPICAL DETAIL
EXTERIOR EDGE AT STUDS
(JOIST PERPENDICULAR TO BEAMS)

13 SCALE: 3/4" = 1'-0"



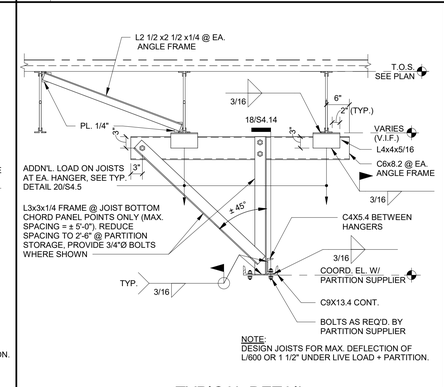
TYPICAL DETAIL
BRICK SUPPORT AT LOW ROOF

9 SCALE: 3/4" = 1'-0"



TYPICAL DETAIL
OPERABLE PARTITION SUPPORT

5 SCALE: N.T.S.



TYPICAL DETAIL
OPERABLE PARTITION SUPPORT

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

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Matrix Structural Engineers
TBPE Firm Registration No. F-2640

STATE OF TEXAS
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CIVIL
01/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
2 ADDENDUM 4	01/15/2026

Director	Charles Johnson
Proj. Arch.	Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
FRAMING DETAILS

SHEET NO.
S4.9

New Elementary No. 49

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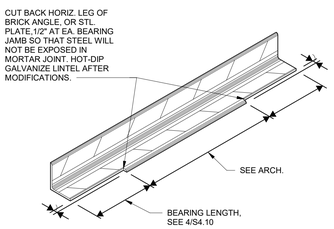
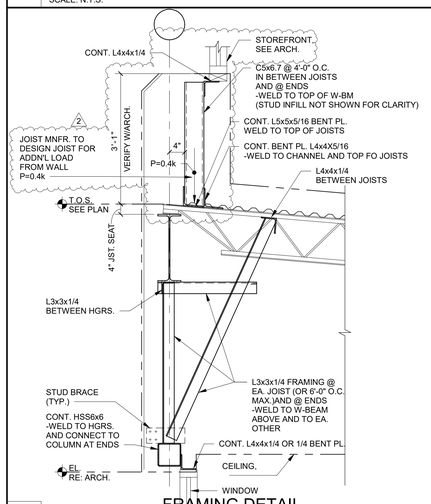
NOTE:
SEE 4/S4.10 FOR LINTEL SCHEDULE



TYPICAL DETAIL
LOOSE LINTEL CUT BACK AND BEARING

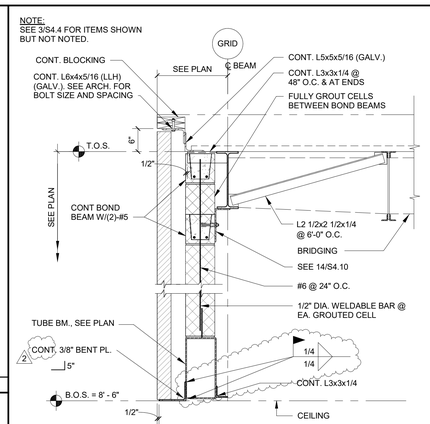
20 SCALE: N.T.S.



FRAMING DETAIL

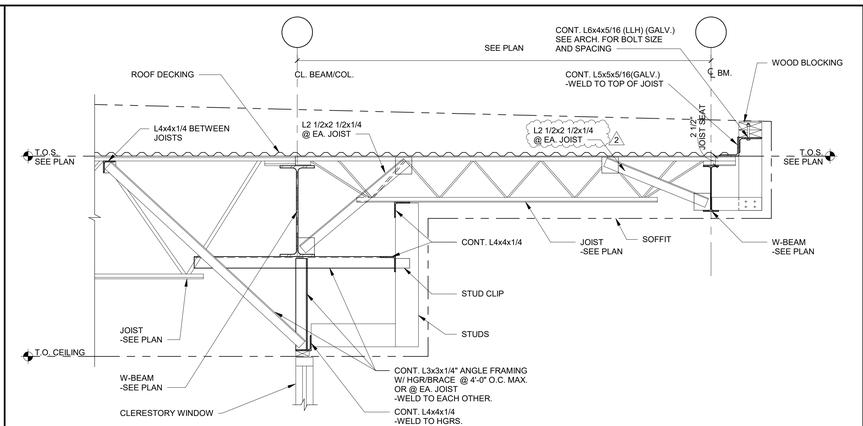
19 SCALE: 3/4" = 1'-0"

NOTE:
SEE 3/S4.4 FOR ITEMS SHOWN BUT NOT NOTED.



TYPICAL DETAIL
CMU SUPPORT AT GYM

16 SCALE: 3/4" = 1'-0"

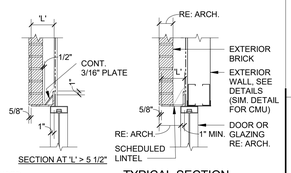


FRAMING DETAIL

12 SCALE: 3/4" = 1'-0"

CLEAR OPNG.	MINIMUM ANGLE SIZE
≤ 6'-0"	1 - L 3 1/2 x 'L' x 5/16
6'-8"	1 - L 4 x 'L' x 5/16
7'-4"	1 - L 5 x 'L' x 5/16
8'-0"	1 - L 6 x 'L' x 5/16
10'-0"	1 - L 6 x 'L' x 3/8
12'-0"	1 - L 8 x 'L' x 7/16 *

* 1/2" THK. ANGLE MAY ALSO BE USED

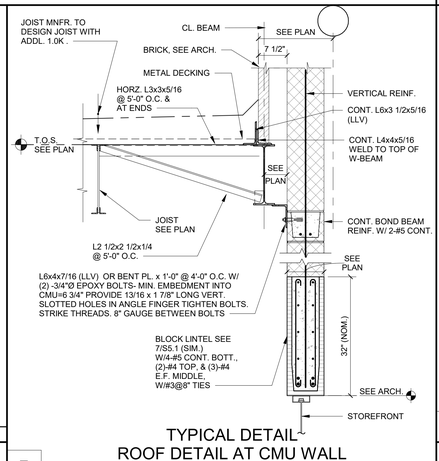


TYPICAL SECTION

NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.
2. PROVIDE 1" OF BEARING AT EACH JAMB FOR EACH FOOT OF CLEAR SPAN BUT NOT LESS THAN 6".
3. WHERE MINIMUM BEARING CANNOT BE ACHIEVED, PROVIDE ADEQUATE CONNECTION TO ADJACENT STRUCTURAL MEMBERS OR PROVIDE SEPARATE VERTICAL SUPPORTS. SUBMIT SUCH DETAILS FOR THE ENGINEER'S APPROVAL.
4. ALL LINTELS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
5. FOR MASONRY OPENINGS GREATER THAN 12'-0", SEE DETAILS ON THE DRAWINGS OR REFER TO ENGINEER.
6. BRICK HEIGHTS OVER OPENINGS GREATER THAN ONE HALF THE LINTEL SPAN SHALL BE SHORED UNTIL MORTAR HAS SET AND CURED.
7. 'L' DIMENSION SHALL NOT BE LESS THAN 4" FOR 'L' DIMENSION GREATER THAN 5 1/2". PROVIDE 3/16" PLATE STIFFENER.
8. WHERE MINIMUM ANGLE THICKNESS EXCEEDS GROUT BED THICKNESS. BOOT CUT BRICK AS REQ'D IN ORDER TO MAINTAIN LEVEL COURSING

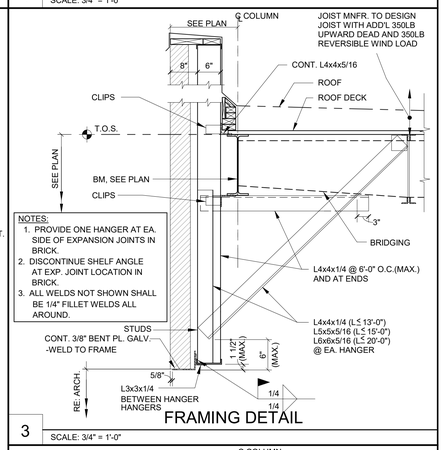
TYPICAL DETAIL
STEEL LOOSE LINTEL SCHEDULE EXTERIOR BRICK

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



TYPICAL DETAIL
ROOF DETAIL AT CMU WALL

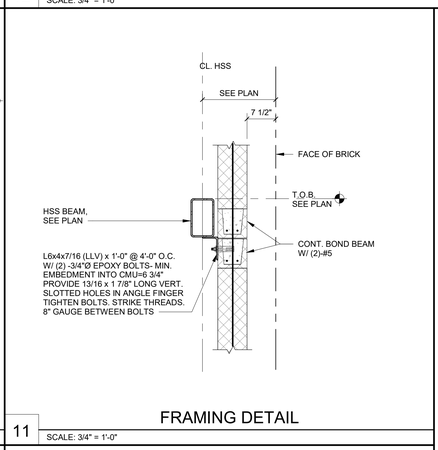
7 SCALE: 3/4" = 1'-0"



NOTES:
1. PROVIDE ONE HANGER AT EA. SIDE OF EXPANSION JOINTS IN BRICK.
2. DISCONTINUE SHELF ANGLE AT EXP. JOINT LOCATION IN BRICK.
3. ALL WELDS NOT SHOWN SHALL BE 1/4" FILLET WELDS ALL AROUND.

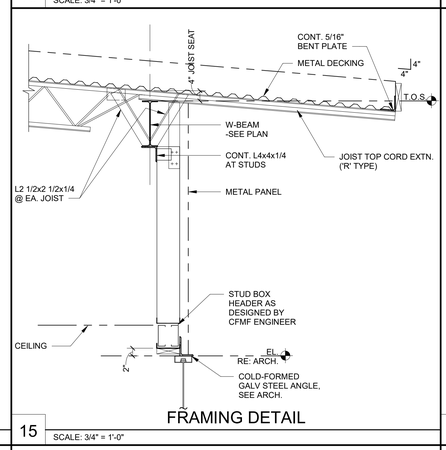
FRAMING DETAIL

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



FRAMING DETAIL

11 SCALE: 3/4" = 1'-0"

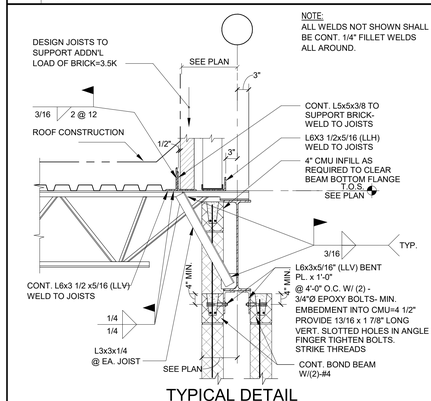


FRAMING DETAIL

15 SCALE: 3/4" = 1'-0"

FRAMING DETAIL

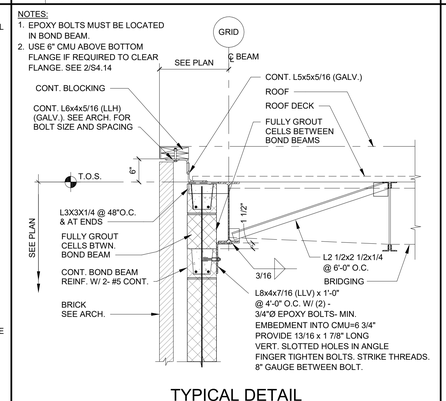
19 SCALE: 3/4" = 1'-0"



NOTE:
ALL WELDS NOT SHOWN SHALL BE CONT. 1/4" FILLET WELDS ALL AROUND.

TYPICAL DETAIL
BRICK SUPPORT AT LOW ROOF

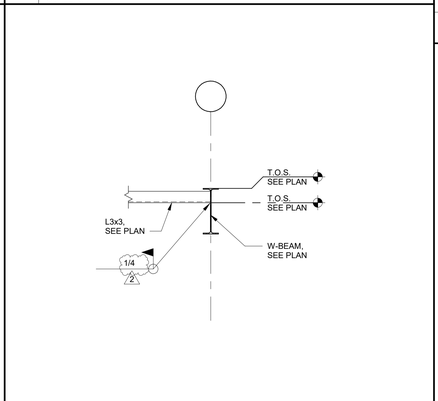
18 SCALE: 3/4" = 1'-0"



NOTES:
1. EPOXY BOLTS MUST BE LOCATED IN BOND BEAM.
2. USE 6" CMU ABOVE BOTTOM FLANGE IF REQUIRED TO CLEAR FLANGE. SEE 2/S4.14

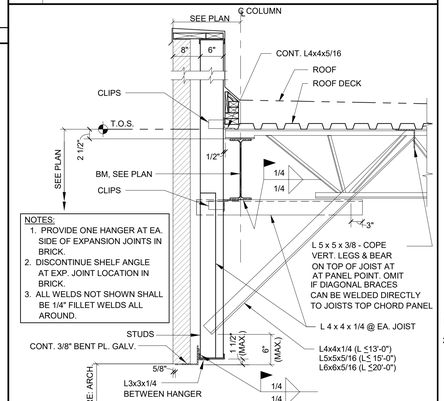
TYPICAL DETAIL
EXTERIOR EDGE AT CMU

14 SCALE: 3/4" = 1'-0"



FRAMING DETAIL

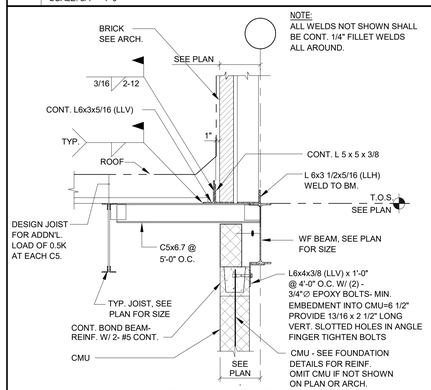
6 SCALE: 3/4" = 1'-0"



NOTES:
1. PROVIDE ONE HANGER AT EA. SIDE OF EXPANSION JOINTS IN BRICK.
2. DISCONTINUE SHELF ANGLE AT EXP. JOINT LOCATION IN BRICK.
3. ALL WELDS NOT SHOWN SHALL BE 1/4" FILLET WELDS ALL AROUND.

FRAMING DETAIL

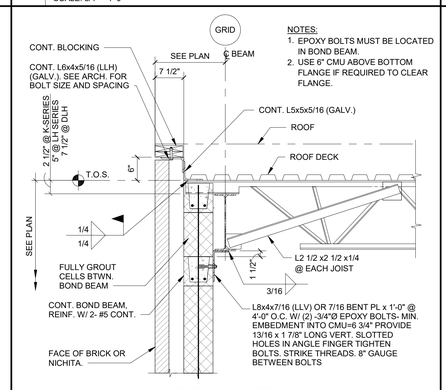
2 SCALE: 3/4" = 1'-0"



NOTE:
ALL WELDS NOT SHOWN SHALL BE CONT. 1/4" FILLET WELDS ALL AROUND.

TYPICAL DETAIL
BRICK SUPPORT AT LOW ROOF

17 SCALE: 3/4" = 1'-0"

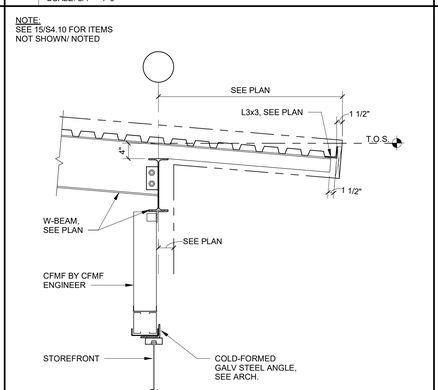


NOTES:
1. EPOXY BOLTS MUST BE LOCATED IN BOND BEAM.
2. USE 6" CMU ABOVE BOTTOM FLANGE IF REQUIRED TO CLEAR FLANGE.

TYPICAL DETAIL
EXTERIOR EDGE AT CMU

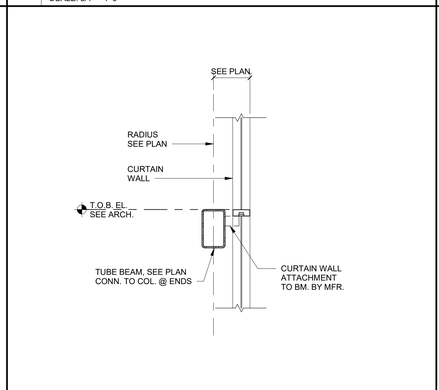
13 SCALE: 3/4" = 1'-0"

NOTE:
SEE 15/S4.10 FOR ITEMS NOT SHOWN/ NOTED



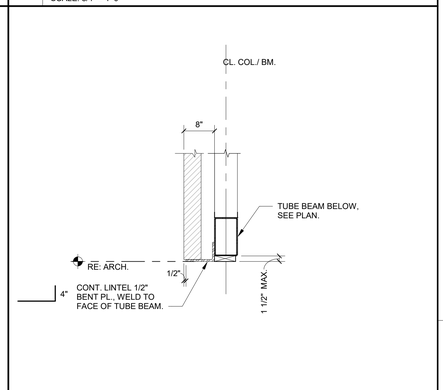
FRAMING DETAIL

9 SCALE: 3/4" = 1'-0"



FRAMING DETAIL AT GLAZING

5 SCALE: 3/4" = 1'-0"



DETAIL AT TUBE LINTEL

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

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01/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
2 ADDENDUM 4	01/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
FRAMING DETAILS

SHEET NO.
S4.10

New Elementary No. 49

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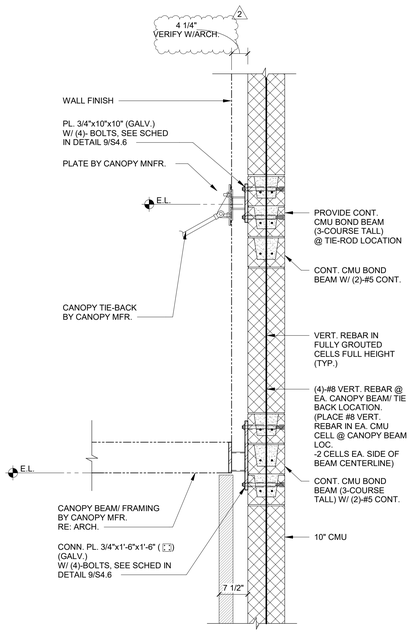
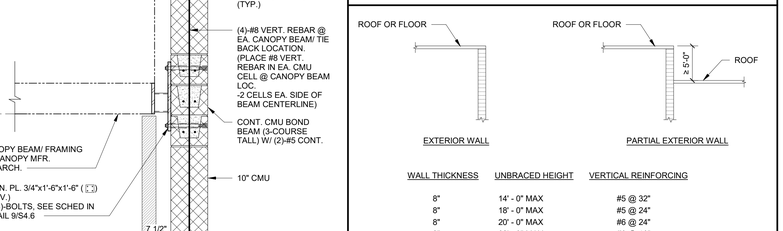


TYPICAL DETAIL
CONNECTION AT EXTERIOR CMU WALL AT CANOPY

15 SCALE: 3/4" = 1'-0"

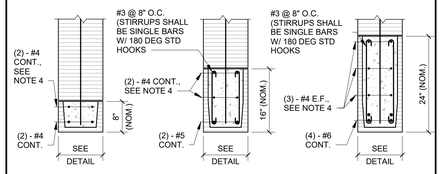


WALL THICKNESS	UNBRACED HEIGHT	VERTICAL REINFORCING
8"	14' - 0" MAX	#5 @ 32"
8"	18' - 0" MAX	#5 @ 24"
8"	20' - 0" MAX	#6 @ 24"
8"	22' - 0" MAX	#6 @ 16"
10"	25' - 0" MAX	#7 @ 24"
12"	25' - 0" MAX	#7 @ 24"
12"	30' - 0" MAX	#7 @ 24"
12"	35' - 0" MAX	#7 @ 16"

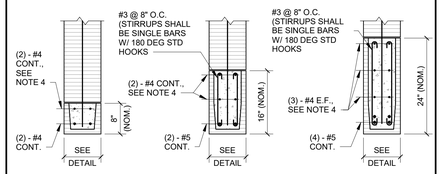
NOTES:
1. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
2. ALL REINFORCING STEEL SHALL BE CONTINUOUS BETWEEN FOUNDATION AND TOP OF CMU. SPLICE REINFORCING PER GENERAL NOTES. ALL REINFORCED CELLS SHALL BE GROUTED SOLID.
3. AT FOUNDATION, PROVIDE DOWELS TO MATCH SIZE AND SPACING OF VERTICAL BARS.
4. CONSULT WITH ARCH./EOR WHEN HEIGHT OF WALL EXCEEDS THE HEIGHT SHOWN HERE.
5. PROVIDE CONTINUOUS BOND BEAMS AT THE TOP OF WALLS. REINFORCE BOND BEAMS WITH (2) - #5, UNLESS NOTED OTHERWISE.

TYPICAL DETAIL - EXTERIOR CMU WALL

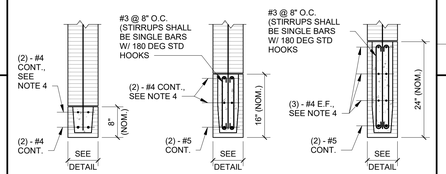
11 SCALE: N.T.S.



TYPE 1 AT 12" CMU | TYPE 2 AT 12" CMU | TYPE 3 AT 12" CMU



TYPE 1 AT 10" CMU | TYPE 2 AT 10" CMU | TYPE 3 AT 10" CMU



TYPE 1 AT 8" CMU | TYPE 2 AT 8" CMU | TYPE 3 AT 8" CMU

BOND BEAM MAX CLEAR SPAN SCHEDULE							
CMU	WALL GROUT SPACING	TYPE 1		TYPE 2		TYPE 3	
		RUNNING BOND	STACK BOND	RUNNING BOND	STACK BOND	RUNNING BOND	STACK BOND
8"	16" O.C.	6'-4"	5'-0"	9'-4"	7'-8"	13'-4"	11'-8"
	>32" O.C.	7'-0"	5'-8"	10'-4"	8'-8"	14'-0"	12'-4"
10"	16" O.C.	6'-4"	5'-0"	9'-4"	7'-8"	15'-8"	13'-4"
	>32" O.C.	7'-0"	5'-8"	10'-4"	8'-8"	17'-0"	14'-8"
12"	16" O.C.	6'-4"	5'-4"	9'-8"	8'-0"	16'-4"	13'-4"
	>32" O.C.	7'-0"	6'-0"	11'-0"	9'-0"	18'-0"	15'-4"

NOTES:
1. SEE ARCH. DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.
2. PROVIDE 1" OF BEARING @ EACH JAMB FOR EACH FOOT OF CLEARSPAN BUT NOT LESS THAN 8" REINF. SHALL PROJECT A MIN. OF 6" ONTO THE BEARING CMU.
3. BOND BEAMS SHALL BE FULLY GROUTED (2500 PSI @ 28 DAYS).
4. THE #4 FACE BARS ARE ONLY REQUIRED AT EXTERIOR CMU WALLS.

TYPICAL DETAIL
BLOCK LINTEL

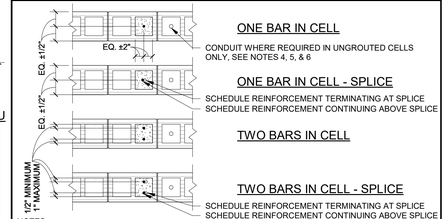
7 SCALE: N.T.S.

	MINIMUM LAP SPLICE LENGTH				REINFORCEMENT OFF CENTER
	REINFORCEMENT AT CENTER OF WALL				
BAR SIZE	6" CMU	8" CMU	10" CMU	12" CMU	ANY
3	12	12	12	12	19
4	20	15	12	12	34
5	32[4]	23	18	15	45
6	54[4]	43	34	28	54
7	NA[5]	60	46	38	63
8	NA[5]	72	71	57	72

NOTES:
1. TABLE FOR USE WITH GRADE 60 UNCOATED REINF. BARS IN CMU (f'm = 2000 psi)
2. BARS SPLICED BY NON-CONTACT LAP SPLICE SHALL NOT BE SPACED FARTHER APART THAN ONE-FIFTH THE REQUIRED LAP LENGTH, OR 8".
3. LAP LENGTHS PER IBC 2012.
4. PERMITTED ONLY IF ALL MORTAR FINS ARE REMOVED ROM THE CELL TO BE GROUTED.
5. BAR EXCEEDS MAX. ALLOWABLE SIZE.

TYPICAL DETAIL
MASONRY TENSION LAP SPLICE (INCHES)

4 SCALE: N.T.S.

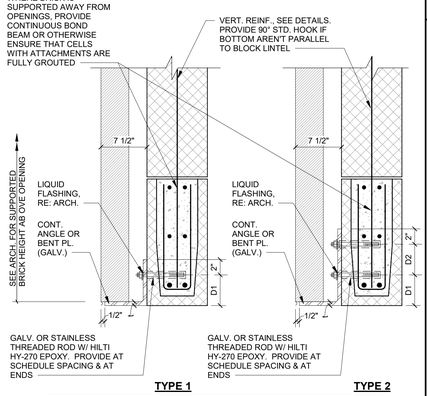


NOTES:
1. REINFORCEMENT MUST BE PLACED USING REINFORCING BAR POSITIONERS THAT LOCATE THE BAR AS SPECIFIED AND PREVENT MOVEMENT OF THE BAR DURING CONSTRUCTION.
2. SPLICED REINFORCEMENT MUST BE A CONTACT LAP SPLICE WITH SPLICED BARS ALIGNED PARALLEL TO THE WALL AS SHOWN.
3. THE ENGINEER MUST BE NOTIFIED PRIOR TO PLACEMENT OF REINFORCEMENT THAT IS REQUIRED TO BE PLACED OUTSIDE OF THE TOLERANCES OF THIS DETAIL SUCH AS TO AVOID INTERFERENCE WITH OTHER REINFORCEMENT, CONDUITS, OR EMBEDDED ITEMS.
4. CONDUIT, PIPES AND SLEEVES SHALL BE NO CLOSER THAN 3 DIAMETERS ON CENTER (USE LARGER DIAMETER WHERE MULTIPLE SIZES ARE USED).
5. ALUMINUM PIPES MAY NOT BE USED UNLESS EFFECTIVELY COATED TO PREVENT CHEMICAL REACTION.
6. PIPES SHALL NOT BE EMBEDDED IN MASONRY WHEN:
   (a) CONTAINING LIQUIDS, GAS, OR VAPORS AT A TEMPERATURE HIGHER THAN 150°F (66°C).
   (b) UNDER PRESSURE IN EXCESS OF 55 PSI (379 KPA).
   (c) CONTAINING WATER OR OTHER LIQUIDS SUBJECT TO FREEZING.

TYPICAL DETAIL
CMU VERTICAL BAR PLACEMENT

3 SCALE: N.T.S.

WHERE BRICK IS SUPPORTED AWAY FROM OPENINGS, PROVIDE CONTINUOUS BOND BEAM OR OTHERWISE ENSURE THAT CELLS WITH ATTACHMENTS ARE FULLY GROUTED



TYPE 1 **TYPE 2**

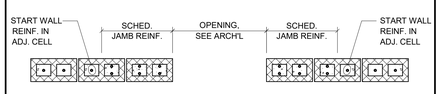
TYPE 1 SCHEDULE					
MAX HEIGHT OF SUPPORTED BRICK	ANGLE	THREADED ROD			
	t	D1	DIA.	EMBEDMENT	SPACING
3'-0"	1/4"	4"	3/8"	3 3/8"	3'-0"
5'-0"	1/4"	4"	1/2"	4 1/2"	3'-0"
8'-0"	5/16"	5"	1/2"	4 1/2"	2'-6"
10'-0"	5/16"	5"	5/8"	5 5/8"	2'-0"
12'-0"	5/16"	5"	5/8"	5 5/8"	1'-4"

TYPE 2 SCHEDULE							
MAX HEIGHT OF SUPPORTED BRICK	ANGLE	THREADED ROD					
	t	D1	D2	DIA.	EMBEDMENT	SPACING	
10'-0"	5/16"	4"	4"	3/8"	3 3/8"	3'-0"	
12'-0"	3/8"	4"	4"	1/2"	4 1/2"	3'-0"	
15'-0"	3/8"	4"	4"	1/2"	4 1/2"	2'-6"	
20'-0"	3/8"	4"	4"	5/8"	5 5/8"	2'-0"	
25'-0"	3/8"	5"	4"	5/8"	5 5/8"	2'-0"	
30'-0"	3/8"	5"	4"	5/8"	6 3/4"	1'-4"	
35'-0"	7/16"	5"	4"	5/8"	6 3/4"	1'-4"	

NOTES:
1. WHERE TWO SOLUTIONS ARE PROVIDED FOR A GIVEN HEIGHT, CONTRACTOR MAY CHOOSE BETWEEN TYPE 1 & TYPE 2.
2. MAX. HEIGHT OF SUPORTED BRICK SHALL BE FROM TOP OF OPENING TO TOP OF WALL UNLESS ANOTHER OPENING OF GHREATER OR EQUAL WIDTH IS PROVIDED ABOVE THE OPENING.
3. SEE TYPICAL DETAIL " ANGLE OR BENT PLATE SUBSTITUTION FOR OPTIONAL ALTERNATES.

TYPICAL DETAIL-SHELF ANGLE AT CMU

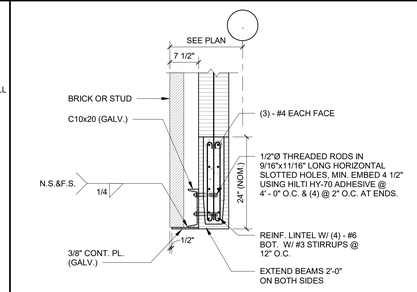
17 SCALE: N.T.S.



OPENING	WIDTH OF JAMB REINF.	REINF.	MAX. UNBRACED HEIGHT	CMU
≤ 7'-0"	0'-4"	(3) #6	≤ 18'-0"	8"
> 7'-0"	CONSULT ENGR, U.N.O			8"
≤ 8'-0"	2'-0"	(3) #6	≤ 30'-0"	10"
> 8'-0"	CONSULT ENGR, U.N.O.			10"

TYPICAL NON-LOAD BEARING
INTERIOR JAMB REINFORCING DETAIL

14 SCALE: 3/4" = 1'-0"

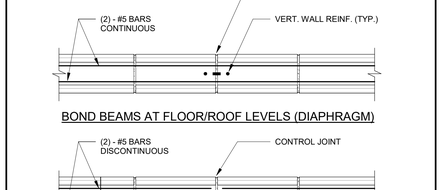


FOR OPENING UP TO 17'-6" WIDE

NOTES:
1. SEE ARCH. DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.
2. PROVIDE 1" OF BEARING @ EACH JAMB FOR EACH FOOT OF CLEARSPAN BUT NOT LESS THAN 8". REINF. SHALL PROJECT A MIN. OF 6" ONTO THE BEARING.
3. BOND BEAMS SHALL BE FULLY GROUTED (2500 PSI @ 28 DAYS)

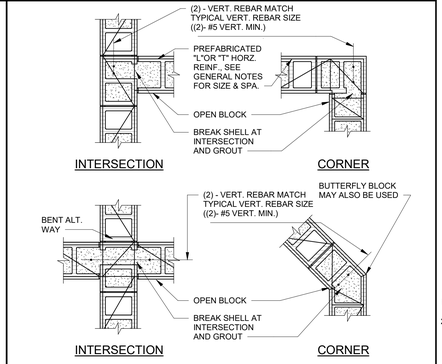
LONG SPAN LINTEL

10 SCALE: N.T.S.



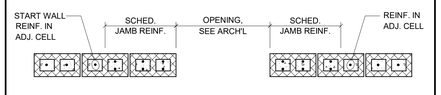
TYPICAL BOND BEAM AT CONTROL JOINTS

6 SCALE: N.T.S.



TYPICAL DETAIL
CMU WALL INTERSECTIONS

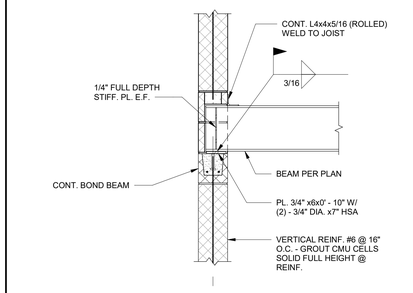
2 SCALE: N.T.S.



OPENING	WIDTH OF JAMB REINF.	REINFORCING	MAX. UNBRACED HEIGHT	CMU
< 10'-0"	2'-8"	(4) #7 EA. FACE	< 18'-0"	8"
> 10'-0"	CONSULT ENGR, U.N.O			8"
< 10'-0"	4'-0"	(6) #8 EA. FACE	< 30'-0"	10"
> 10'-0"	CONSULT ENGR, U.N.O.			10"

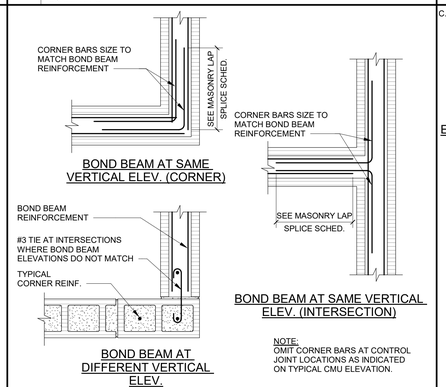
TYPICAL NON-LOAD BEARING
EXTERIOR JAMB REINFORCING DETAIL

13 SCALE: 3/4" = 1'-0"



TYPICAL DETAIL
STEEL BEAM AT CMU WALL

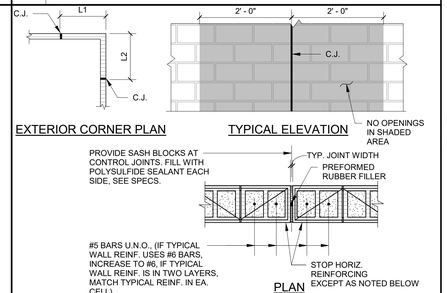
9 SCALE: N.T.S.



NOTE:
OMIT CORNER BARS AT CONTROL JOINT LOCATIONS AS INDICATED ON TYPICAL CMU ELEVATION.

TYPICAL CMU BOND BEAM REINFORCEMENT

5 SCALE: N.T.S.



NOTES:
1. CONTRACTOR SHALL OBTAIN ARCHITECT'S APPROVAL OF JOINT LOCATIONS, WHICH SHALL NOT EXCEED THE MINIMUM OF 1.5 TIMES THE WALL HEIGHT OR 20'-0".
2. HORIZONTAL REINFORCING AT FLOOR AND ROOF LINES SHALL BE CONTINUOUS THRU JOINT.
3. CONCRETE BLOCK SHOWN - BRICK SIMILAR.
4. SAWCUT BLOCK OR BRICK AS REQUIRED.
5. AT EXTERIOR CORNERS LOCATE JOINTS SUCH THAT: L1+L2 ≤ 20' - 0", EITHER L1 OR L2 ≤ 10' - 0".

TYPICAL DETAIL
MASONRY WALL CONTROL JOINT

1 SCALE: N.T.S.

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New Elementary No. 49

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
MASONRY DETAILS

SHEET NO.
S5.1

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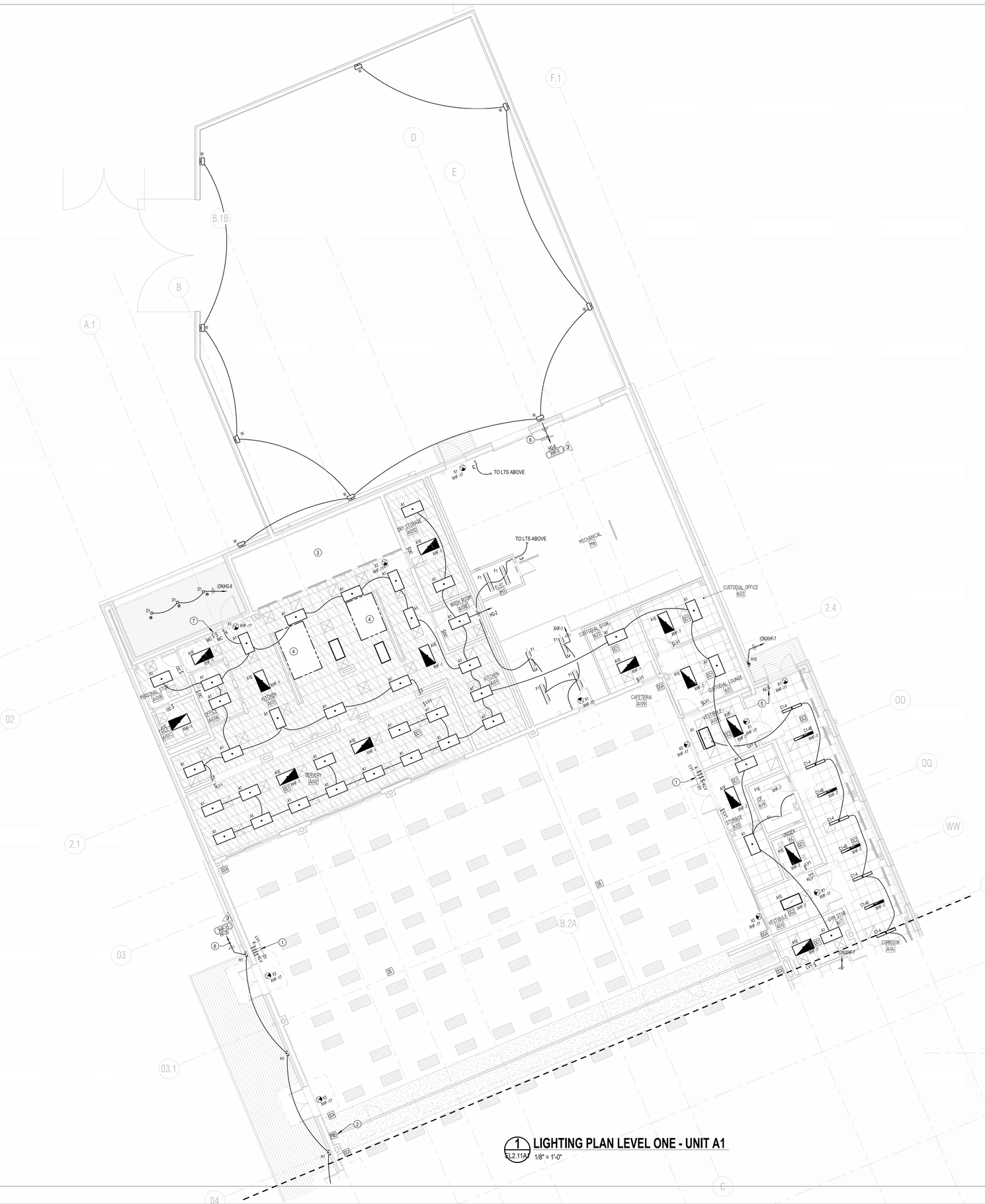


1 LIGHTING PLAN LEVEL ONE - UNIT A1

EL2.11A1 1/8" = 1'-0"

LIGHTING KEYED NOTES:

1. AT THIS LOCATION PROVIDE:
   - KLV SWITCH FOR ON/OFF FUNCTION FOR CAFETERIA LIGHTS.
   - D1 SWITCH FOR DIMMING FOR CAFETERIA LIGHTS.
   - LV1 SWITCH FOR CONTROL OF SOLATUBE INTEGRAL DAMPERS.
   - KEYED MOMENTARY CONTACT SWITCH FOR CONTROL OF CAFETERIA MOTORIZED SHADES.
   - INDIVIDUAL SWITCHES SHALL BE LABELED TO INDICATED WHAT EACH CONTROLS
2. PROVIDE PARTITION SENSOR. WHEN PARTITION IS OPENED, CONTROLS IN EITHER ROOM SHALL BE ABLE TO CONTROL LIGHTING/SHADES IN BOTH SPACES. PROVIDE SEPARATE ROOM CONTROLLERS AND ADDITIONAL ACCESSORIES TO ACHIEVE THIS FUNCTIONALITY.
3. LIGHTING BY WALK-IN MANUFACTURER. REFER TO E3.01 FOR CIRCUIT AND ADDITIONAL INFORMATION.
4. HOOD LIGHTS BY OTHERS. REFER TO E3.01 FOR CIRCUIT AND ADDITIONAL INFORMATION.
5. PROVIDE LOW VOLTAGE KEYED SWITCH FOR FOR AFTER HOURS CORRIDOR LIGHTING MANUAL OVERRIDE. TIE TO LIGHTING ROOM CONTROLLER SERVING CORRIDOR LIGHTING CIRCUIT.
6. PROVIDE BODINE GENERATOR TRANSFER DEVICE #GTD20A FOR EXTERIOR LIGHTING CIRCUIT. CONNECT GTD NORMAL AND EMERGENCY FEEDS TO CIRCUITS SHOWN. REFER TO PANEL SCHEDULES FOR ADDITIONAL LIGHTING CONTROL NOTES. (3)
7. PROVIDE MOMENTARY CONTACT SWITCHES FOR MANUAL OVERRIDE OF PARKING AREA LIGHTING.

GENERAL LIGHTING NOTES:

A. ALL EMERGENCY LIGHT FIXTURE GENERATOR TRANSFER DEVICES SHALL BE CONNECTED TO EMERGENCY EGRESS LIGHTING CIRCUIT INDICATED ON DRAWINGS. ALL EMERGENCY WIRING SHALL BE ROUTED IN A SEPARATE CONDUIT.

B. ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN CEILINGS SHALL BE CENTERED IN THE CEILING TILE.

C. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED TOGETHER UNDER A COMMON COVER PLATE.

D. PROVIDE UNSWITCHED HOT LEG TO ALL EXIT SIGNS ORIGINATING FROM NEAREST EMERGENCY CIRCUIT.

E. CONTRACTOR SHALL INDICATE LIGHTING CIRCUIT CONTROLLED BY EACH SWITCH BY PROVIDING TYPE WRITTEN LABELING LOCATED ON INSIDE FACE OF EACH SWITCH COVER PLATE.

F. SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LOCATIONS WITH CEILING MOUNTED LIGHTING FIXTURES.

G. FIXTURES DESIGNATED "NL" SHALL BE UNSWITCHED NIGHTLIGHT. FIXTURES SHALL BE CONNECTED TO EMERGENCY CIRCUIT INDICATED.

H. CENTER AND ALIGN ALL FIXTURES AND DEVICES. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF FIXTURES.

I. COORDINATE EXACT FIXTURE LOCATIONS WITH DIVISION 22 AND 23.

J. LOCATE ULTRASONIC OCCUPANCY SENSORS A MINIMUM OF 3 FEET FROM MECHANICAL DIFFUSERS AND OTHER NOISE PRODUCING EQUIPMENT.

K. REFER TO RESPECTIVE SIDE OF THE BOUNDARY MATCHLINE FOR THE APPROPRIATE FLOOR PLAN KEYED NOTES.

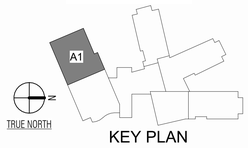
LIGHTING CONTROLS DEVICE SCHEDULE

TYPE	MANUFACTURER/ MODEL #	MOUNTING	DESCRIPTION
D1	WATTSTOPPER LMSW-211	WALL	DLM SERIES WALL 1-BUTTON AND 1-ROCKER DIGITAL DIMMER SWITCH. MANUAL ON/OFF/DIMMING CONTROL TO INDICATED SWITCH LEG WITHIN ROOM.
DS	WATTSTOPPER LMLS-500	CEILING	DLM SERIES OPEN LOOP DAYLIGHT SENSOR
KLV	PASS & SEYMOUR 1250-L	WALL	MOMENTARY CONTACT KEYED SWITCH FOR ROOM ON/OFF OVERRIDE. PROVIDE WITH WATTSTOPPER #LMIN-104 INPUT INTERFACE WHEN USED WITH DLM CONNTROLS.
LV1	WATTSTOPPER LMSW-210	WALL	DLM SERIES 1-BUTTON DIGITAL SWITCH. MANUAL ON/OFF CONTROL TO INDICATED SWITCH LEG WITHIN ROOM.
OC	WATTSTOPPER DSW-301	WALL	LINE VOLTAGE, SINGLE-POLE, DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR
OC1	WATTSTOPPER LMDC-100	CEILING	DLM SERIES DUAL-TECHNOLOGY DIGITAL OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO MANUAL-ON/AUTO-OFF AND MANUAL-OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFTER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUS TO BAS SYSTEM.
OC2	WATTSTOPPER LMDC-100	CEILING	DLM SERIES DUAL-TECHNOLOGY DIGITAL OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO AUTO-ON/AUTO-OFF WITH MANUAL OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUS TO BAS SYSTEM.
OC4	WATTSTOPPER LDMX-100	WALL/CEILING	DLM SERIES DUAL-TECHNOLOGY CORNER MOUNTED OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO MANUAL-ON/AUTO-OFF WHEN SERVING ROOMS. SET TO AUTO-ON/AUTO-OFF IN CORRIDORS. MANUAL OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFTER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUTS TO BAS SYSTEM.
PSE	WATTSTOPPER PARTITION-SENSOR	CEILING	LOW VOLTAGE PARTITION SENSOR. PROVIDE WATTSTOPPER #LMIG-102-U DLM PARTITION INTERFACE. WHEN PARTITION IS IN THE OPEN POSITION, SYSTEMS IN EITHER SPACES SHALL OPERATE AS A SINGLE ROOM SYSTEM.

LIGHTING CONTROLS GENERAL NOTES

a. COOPER CONTROLS AND ACUITY N-LIGHT ARE APROVED MANUFACTURERS.

b. OCCUPANCY SENSORS SERVING CORRIDORS SHALL BE DISABLED ON A SCHEDULE DURING WORK HOURS. TIE CORRIDOR CONTROLS WITH BAS SYSTEM. COORDINATE SCHEDULE TIMES WITH OWNER.



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DBR Project # 250191.000

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LICENSED
PROFESSIONAL ENGINEER
1/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
3 Addendum 4	1/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
LEVEL 1 LIGHTING PLAN - AREA A1

SHEET NO.
EL2.11A1

KATY ISD
KATY, TEXAS

New Elementary No. 49

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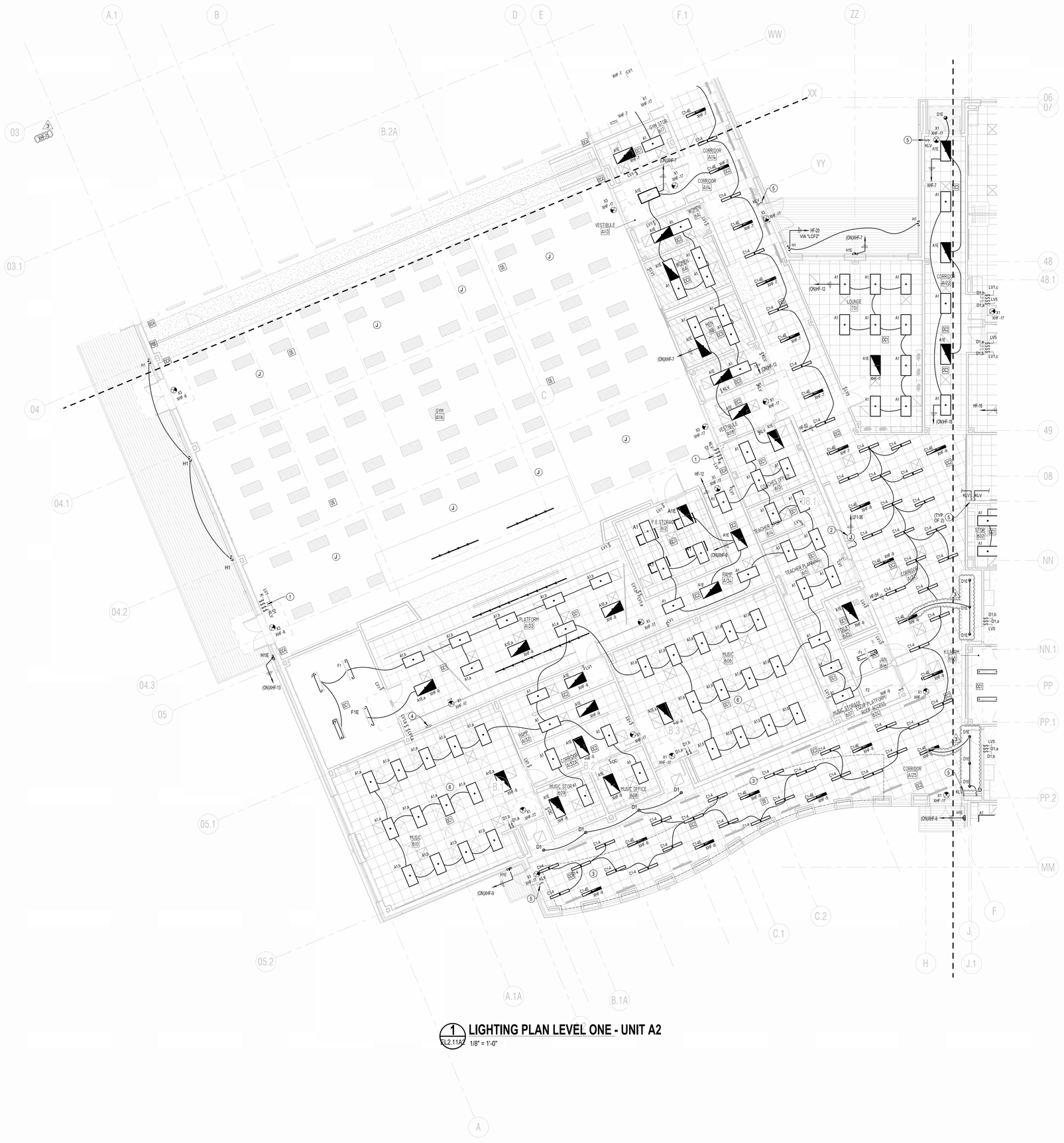


1 LIGHTING PLAN LEVEL ONE - UNIT A2

EL2.11A2 1/8" = 1'-0"

LIGHTING KEYED NOTES:

1. AT THIS LOCATION PROVIDE:
   - KLV SWITCH FOR ON/OFF FUNCTION FOR GYM LIGHTS.
   - D1 SWITCH FOR DIMMING GYM LIGHTS.
   - LV1 FOR CONTROL OF SOLATUBE INTEGRAL DAMPERS.
   - KEYED SWITCH FOR CONTROL OF GYM MOTORIZED SHADES.
   - INDIVIDUAL SWITCHES SHALL BE LABELED TO INDICATE WHAT EACH CONTROLS.
2. PROVIODE 120V POWER AND MANUAL CONTROL FOR DISPLAY CASE LIGHTING. PROVIDE WATTSTOPPER DLM SERIES ROOM CONTROLLER AND TIE TO CORRIDOR CONTROL SYSTEM.
3. DASHED LINE INDICATES DAY LIGHTING ZONE. LIGHTING FIXTURES WITHIN INDICATED AREA SHALL BE DIMMED VIA DAYLIGHT SENSOR AND ROOM CONTROLLER.
4. PROPOSED LOCATION FOR STAGE LIGHTING RELAY PANEL. REFER TO E6.02 FOR SYSTEM DIAGRAM. REFER TO POWER PLAN FOR ADDITIONAL SYSTEM REQUIREMENTS.
5. PROVIDE LOW VOLTAGE KEYED SWITCH FOR FOR AFTER HOURS CORRIDOR LIGHTING MANUAL OVERRIDE. TIE TO LIGHTING ROOM CONTROLLER SERVING CORRIDOR LIGHTING CIRCUIT.
6. ROOM CONTROLLERS FOR LIGHTING SERVING THIS ROOM SHALL BE LOCATED ABOVE LOW CEILING IN MUSIC OFFICE ROOM 608.

GENERAL LIGHTING NOTES:

A. ALL EMERGENCY LIGHT FIXTURE GENERATOR TRANSFER DEVICES SHALL BE CONNECTED TO EMERGENCY EGRESS LIGHTING CIRCUIT INDICATED ON DRAWINGS. ALL EMERGENCY WIRING SHALL BE ROUTED IN A SEPARATE CONDUIT.

B. ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN CEILINGS SHALL BE CENTERED IN THE CEILING TILE.

C. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED TOGETHER UNDER A COMMON COVER PLATE.

D. PROVIDE UNSWITCHED HOT LEG TO ALL EXIT SIGNS ORIGINATING FROM NEAREST EMERGENCY CIRCUIT.

E. CONTRACTOR SHALL INDICATE LIGHTING CIRCUIT CONTROLLED BY EACH SWITCH BY PROVIDING TYPE WRITTEN LABELING LOCATED ON INSIDE FACE OF EACH SWITCH COVER PLATE.

F. SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LOCATIONS WITH CEILING MOUNTED LIGHTING FIXTURES.

G. FIXTURES DESIGNATED "NL" SHALL BE UNSWITCHED NIGHTLIGHT. FIXTURES SHALL BE CONNECTED TO EMERGENCY CIRCUIT INDICATED.

H. CENTER AND ALIGN ALL FIXTURES AND DEVICES. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF FIXTURES.

I. COORDINATE EXACT FIXTURE LOCATIONS WITH DIVISION 22 AND 23.

J. LOCATE ULTRASONIC OCCUPANCY SENSORS A MINIMUM OF 3 FEET FROM MECHANICAL DIFFUSERS AND OTHER NOISE PRODUCING EQUIPMENT.

K. REFER TO RESPECTIVE SIDE OF THE BOUNDARY MATCHLINE FOR THE APPROPRIATE FLOOR PLAN KEYED NOTES.

LIGHTING CONTROLS DEVICE SCHEDULE

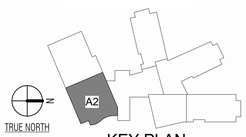
TYPE	MANUFACTURER/ MODEL #	MOUNTING	DESCRIPTION
D1	WATTSTOPPER LMSW-211	WALL	DLM SERIES WALL 1-BUTTON AND 1-ROCKER DIGITAL DIMMER SWITCH. MANUAL ON/OFF/DIMMING CONTROL TO INDICATED SWITCH LEG WITHIN ROOM.
DS	WATTSTOPPER LMLS-500	CEILING	DLM SERIES OPEN LOOP DAYLIGHT SENSOR
KLV	PASS & SEYMOUR 1250-L	WALL	MOMENTARY CONTACT KEYED SWITCH FOR ROOM ON/OFF OVERRIDE. PROVIDE WITH WATTSTOPPER #LMIN-104 INPUT INTERFACE WHEN USED WITH DLM CONNTROLS.
LV1	WATTSTOPPER LMSW-210	WALL	DLM SERIES 1-BUTTON DIGITAL SWITCH. MANUAL ON/OFF CONTROL TO INDICATED SWITCH LEG WITHIN ROOM.
LV5	WATTSTOPPER LMSW-241	WALL	DLM SERIES 4-BUTTON AND 1-ROCKER SWITCH ESCENE CONTROLLER. CONTRACTOR SHALL CONFIGURE SCENE CONTROLLER PER OWNER PREFERENCES.
OC	WATTSTOPPER DSW-301	WALL	LINE VOLTAGE, SINGLE-POLE, DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR
OC1	WATTSTOPPER LMDC-100	CEILING	DLM SERIES DUAL-TECHNOLOGY DIGITAL OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO MANUAL-ON/AUTO-OFF AND MANUAL-OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFTER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUS TO BAS SYSTEM.
OC2	WATTSTOPPER LMDC-100	CEILING	DLM SERIES DUAL-TECHNOLOGY DIGITAL OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO AUTO-ON/AUTO-OFF WITH MANUAL OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUS TO BAS SYSTEM.
OC3	WATTSTOPPER LMUC-100	CEILING	DLM SERIES ULTRASONIC DIGITAL OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO AUTO-ON/AUTO-OFF WITH MANUAL OFF OVERRIDE. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUTS TO BAS SYSTEM.
OC4	WATTSTOPPER LDMX-100	WALL/CEILING	DLM SERIES DUAL-TECHNOLOGY CORNER MOUNTED OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO MANUAL-ON/AUTO-OFF WHEN SERVING ROOMS. SET TO AUTO-ON/AUTO-OFF IN CORRIDORS. MANUAL OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFTER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUTS TO BAS SYSTEM.
PSE	WATTSTOPPER PARTITION-SENSOR	CEILING	LOW VOLTAGE PARTITION SENSOR. PROVIDE WATTSTOPPER #LMIO-102-U DLM PARTITION INTERFACE. WHEN PARTITION IS IN THE OPEN POSITION, SYSTEMS IN EITHER SPACES SHALL OPERATE AS A SINGLE ROOM SYSTEM.

LIGHTING CONTROLS GENERAL NOTES

a. COOPER CONTROLS AND ACUITY N-LIGHT ARE APROVED MANUFACTURERS.

b. OCCUPANCY SENSORS SERVING CORRIDORS SHALL BE DISABLED ON A SCHEDULE DURING WORK HOURS. TIE CORRIDOR CONTROLS WITH BAS SYSTEM. COORDINATE SCHEDULE TIMES WITH OWNER.

TRUE NORTH



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EM | GG | RF | AM

STATE OF TEXAS
ERIK M. MacDONALD
105068
LICENSED
PROFESSIONAL ENGINEER
1/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
3 Addendum 4	1/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
LEVEL 1 LIGHTING PLAN - AREA A2

SHEET NO.
EL2.11A2

KATY ISD
KATY, TEXAS

New Elementary No. 49

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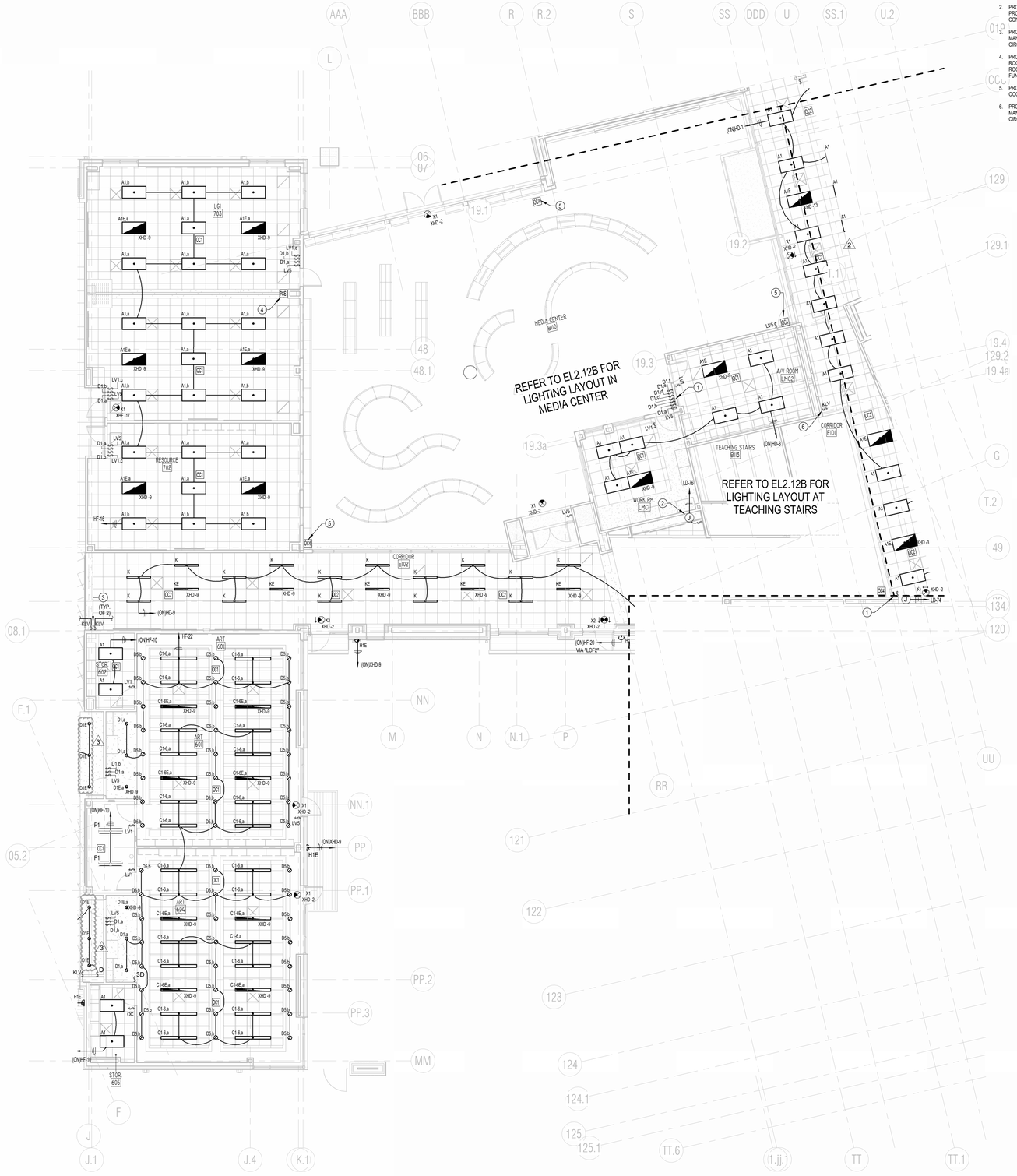

LIGHTING KEYED NOTES:

1. REFER TO DETAIL #5/E4.03 FOR LIBRARY SWITCHING DETAIL.
2. PROVIDE 120V POWER AND MANUAL CONTROL FOR DISPLAY CASE LIGHTING. PROVIDE WATTSTOPPER DLM SERIES ROOM CONTROLLER AND TIE TO CORRIDOR CONTROL SYSTEM.
3. PROVIDE LOW VOLTAGE KEYED SWITCH FOR FOR AFTER HOURS CORRIDOR LIGHTING MANUAL OVERRIDE. TIE TO ROOM CONTROLLER SERVING CORRIDOR LIGHTING CIRCUIT.
4. PROVIDE PARTITION SENSOR. WHEN PARTITION IS OPENED, CONTROLS IN EITHER ROOM SHALL BE ABLE TO CONTROL LIGHTING IN BOTH SPACES. PROVIDE SEPARATE ROOM CONTROLLERS AND ADDITIONAL ACCESSORIES TO ACHIEVE THIS FUNCTIONALITY.
5. PROVIDE WATTSTOPPER #LMDX-100 CORNER MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. MOUNT AT 10' A.F.F.
6. PROVIDE LOW VOLTAGE KEYED SWITCH FOR AFTER HOURS STAIRWELL LIGHTING MANUAL OVERRIDE. TIE TO ROOM CONTROLLER SERVING STAIRWELL LIGHTING CIRCUIT. REFER TO PANEL SCHEDULES.

GENERAL LIGHTING NOTES:

A. ALL EMERGENCY LIGHT FIXTURE GENERATOR TRANSFER DEVICES SHALL BE CONNECTED TO EMERGENCY EGRESS LIGHTING CIRCUIT INDICATED ON DRAWINGS. ALL EMERGENCY WIRING SHALL BE ROUTED IN A SEPARATE CONDUIT.

B. ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN CEILINGS SHALL BE CENTERED IN THE CEILING TILE.

C. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED TOGETHER UNDER A COMMON COVER PLATE.

D. PROVIDE UNSWITCHED HOT LEG TO ALL EXIT SIGNS ORIGINATING FROM NEAREST EMERGENCY CIRCUIT.

E. CONTRACTOR SHALL INDICATE LIGHTING CIRCUIT CONTROLLED BY EACH SWITCH BY PROVIDING TYPE WRITTEN LABELING LOCATED ON INSIDE FACE OF EACH SWITCH COVER PLATE.

F. SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LOCATIONS WITH CEILING MOUNTED LIGHTING FIXTURES.

G. FIXTURES DESIGNATED "NL" SHALL BE UNSWITCHED NIGHTLIGHT. FIXTURES SHALL BE CONNECTED TO EMERGENCY CIRCUIT INDICATED

H. CENTER AND ALIGN ALL FIXTURES AND DEVICES. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF FIXTURES.

I. COORDINATE EXACT FIXTURE LOCATIONS WITH DIVISION 22 AND 23.

J. LOCATE ULTRASONIC OCCUPANCY SENSORS A MINIMUM OF 3 FEET FROM MECHANICAL DIFFUSERS AND OTHER NOISE PRODUCING EQUIPMENT.

K. REFER TO RESPECTIVE SIDE OF THE BOUNDARY MATCHLINE FOR THE APPROPRIATE FLOOR PLAN KEYED NOTES.

LIGHTING CONTROLS DEVICE SCHEDULE

TYPE	MANUFACTURER/ MODEL #	MOUNTING	DESCRIPTION
D1	WATTSTOPPER LMSW-211	WALL	DLM SERIES WALL 1-BUTTON AND 1-ROCKER DIGITAL DIMMER SWITCH. MANUAL ON/OFF/DIMMING CONTROL TO INDICATED SWITCH LEG WITHIN ROOM.
DS	WATTSTOPPER LMLS-500	CEILING	DLM SERIES OPEN LOOP DAYLIGHT SENSOR
KLV	PASS & SEYMOUR 1250-L	WALL	MOMENTARY CONTACT KEYED SWITCH FOR ROOM ON/OFF OVERRIDE. PROVIDE WITH WATTSTOPPER #LMIN-104 INPUT INTERFACE WHEN USED WITH DLM CONNTROLS.
LV1	WATTSTOPPER LMSW-210	WALL	DLM SERIES 1-BUTTON DIGITAL SWITCH. MANUAL ON/OFF CONTROL TO INDICATED SWITCH LEG WITHIN ROOM.
LV5	WATTSTOPPER LMSW-241	WALL	DLM SERIES 4-BUTTON AND 1-ROCKER SWITCH ESCENE CONTROLLER. CONTRACTOR SHALL CONFIGURE SCENE CONTROLLER PER OWNER PREFERENCES.
OC	WATTSTOPPER DSW-301	WALL	LINE VOLTAGE, SINGLE-POLE, DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR
OC1	WATTSTOPPER LMDC-100	CEILING	DLM SERIES DUAL-TECHNOLOGY DIGITAL OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO MANUAL-ON/AUTO-OFF AND MANUAL-OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFTER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUS TO BAS SYSTEM.
OC2	WATTSTOPPER LMDC-100	CEILING	DLM SERIES DUAL-TECHNOLOGY DIGITAL OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO AUTO-ON/AUTO-OFF WITH MANUAL OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUS TO BAS SYSTEM.
OC4	WATTSTOPPER LDMX-100	WALL/CEILING	DLM SERIES DUAL-TECHNOLOGY CORNER MOUNTED OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO MANUAL-ON/AUTO-OFF WHEN SERVING ROOMS. SET TO AUTO-ON/AUTO-OFF IN CORRIDORS. MANUAL OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFTER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUTS TO BAS SYSTEM.
PSE	WATTSTOPPER PARTITION-SENSOR	CEILING	LOW VOLTAGE PARTITION SENSOR. PROVIDE WATTSTOPPER #LMIG-102-U DLM PARTITION INTERFACE. WHEN PARTITION IS IN THE OPEN POSITION, SYSTEMS IN EITHER SPACES SHALL OPERATE AS A SINGLE ROOM SYSTEM.

LIGHTING CONTROLS GENERAL NOTES

a. COOPER CONTROLS AND ACUITY N-LIGHT ARE APROVED MANUFACTURERS.

b. OCCUPANCY SENSORS SERVING CORRIDORS SHALL BE DISABLED ON A SCHEDULE DURING WORK HOURS. TIE CORRIDOR CONTROLS WITH BAS SYSTEM. COORDINATE SCHEDULE TIMES WITH OWNER.

1 EL2.11B **LIGHTING PLAN LEVEL ONE - UNIT B**
1/8" = 1'-0"

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EM | GG | RF | AM

KATY ISD
KATY, TEXAS

CHRISTOPHER M. MacDONALD 105068 LICENSED PROFESSIONAL ENGINEER
1/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
2 Addendum 2	12/18/2025
3 Addendum 4	1/15/2026

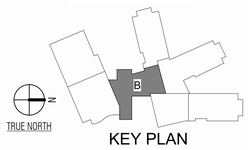
Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
LEVEL 1 LIGHTING PLAN - AREA B

SHEET NO.
EL2.11B

New Elementary No. 49



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LIGHTING KEYED NOTES:

1. PROVIDE LOW VOLTAGE KEYED SWITCH FOR FOR AFTER HOURS CORRIDOR LIGHTING MANUAL OVERRIDE. TIE TO ROOM CONTROLLER SERVING CORRIDOR LIGHTING CIRCUIT.
2. PROPOSED LOCATION FOR MOMENTARY CONTACT SWITCHES FOR MANUAL OVERRIDE OF PARKING AREA AND BUILDING EXTERIOR LIGHTING.
3. PROVIDE 120V POWER AND MANUAL CONTROL FOR DISPLAY CASE LIGHTING. PROVIDE WATTSTOPPER DLM SERIES ROOM CONTROLLER AND TIE TO CORRIDOR CONTROL SYSTEM.
4. PROVIDE BODINE GENERATOR TRANSFER DEVICE #GTD20A FOR EXTERIOR LIGHTING CIRCUIT. CONNECT GTD NORMAL AND EMERGENCY FEEDS TO CIRCUITS SHOWN. REFER TO PANEL SCHEDULES FOR ADDITIONAL LIGHTING CONTROL NOTES.

GENERAL LIGHTING NOTES:

A. ALL EMERGENCY LIGHT FIXTURE GENERATOR TRANSFER DEVICES SHALL BE CONNECTED TO EMERGENCY EGRESS LIGHTING CIRCUIT INDICATED ON DRAWINGS. ALL EMERGENCY WIRING SHALL BE ROUTED IN A SEPARATE CONDUIT.

B. ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN CEILINGS SHALL BE CENTERED IN THE CEILING TILE.

C. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED TOGETHER UNDER A COMMON COVER PLATE.

D. PROVIDE UNSWITCHED HOT LEG TO ALL EXIT SIGNS ORIGINATING FROM NEAREST EMERGENCY CIRCUIT.

E. CONTRACTOR SHALL INDICATE LIGHTING CIRCUIT CONTROLLED BY EACH SWITCH BY PROVIDING TYPE WRITTEN LABELING LOCATED ON INSIDE FACE OF EACH SWITCH COVER PLATE.

F. SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LOCATIONS WITH CEILING MOUNTED LIGHTING FIXTURES.

G. FIXTURES DESIGNATED "NL" SHALL BE UNSWITCHED NIGHTLIGHT. FIXTURES SHALL BE CONNECTED TO EMERGENCY CIRCUIT INDICATED.

H. CENTER AND ALIGN ALL FIXTURES AND DEVICES. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF FIXTURES.

I. COORDINATE EXACT FIXTURE LOCATIONS WITH DIVISION 22 AND 23.

J. LOCATE ULTRASONIC OCCUPANCY SENSORS A MINIMUM OF 3 FEET FROM MECHANICAL DIFFUSERS AND OTHER NOISE PRODUCING EQUIPMENT.

K. REFER TO RESPECTIVE SIDE OF THE BOUNDARY MATCHLINE FOR THE APPROPRIATE FLOOR PLAN KEYED NOTES.

LIGHTING CONTROLS DEVICE SCHEDULE

TYPE	MANUFACTURER/ MODEL #	MOUNTING	DESCRIPTION
D1	WATTSTOPPER LMSW-211	WALL	DLM SERIES WALL 1-BUTTON AND 1-ROCKER DIGITAL DIMMER SWITCH. MANUAL ON/OFF/DIMMING CONTROL TO INDICATED SWITCH LEG WITHIN ROOM.
KLV	PASS & SEYMOUR 1250-L	WALL	MOMENTARY CONTACT KEYED SWITCH FOR ROOM ON/OFF OVERRIDE. PROVIDE WITH WATTSTOPPER #LMIN-104 INPUT INTERFACE WHEN USED WITH DLM CONNTROLS.
LV1	WATTSTOPPER LMSW-210	WALL	DLM SERIES 1-BUTTON DIGITAL SWITCH. MANUAL ON/OFF CONTROL TO INDICATED SWITCH LEG WITHIN ROOM.
LV5	WATTSTOPPER LMSW-241	WALL	DLM SERIES 4-BUTTON AND 1-ROCKER SWITCH ESCENE CONTROLLER. CONTRACTOR SHALL CONFIGURE SCENE CONTROLLER PER OWNER PREFERENCES.
OC	WATTSTOPPER DSW-301	WALL	LINE VOLTAGE, SINGLE-POLE, DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR
OC1	WATTSTOPPER LMDC-100	CEILING	DLM SERIES DUAL-TECHNOLOGY DIGITAL OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO MANUAL-ON/AUTO-OFF AND MANUAL-OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFTER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUS TO BAS SYSTEM.
OC2	WATTSTOPPER LMDC-100	CEILING	DLM SERIES DUAL-TECHNOLOGY DIGITAL OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO AUTO-ON/AUTO-OFF WITH MANUAL OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUS TO BAS SYSTEM.
OC4	WATTSTOPPER LDMX-100	WALL/CEILING	DLM SERIES DUAL-TECHNOLOGY CORNER MOUNTED OCCUPANCY SENSOR. SET LIGHTING CONTROLS TO MANUAL-ON/AUTO-OFF WHEN SERVING ROOMS. SET TO AUTO-ON/AUTO-OFF IN CORRIDORS. MANUAL OFF OVERRIDE VIA WALL SWITCH. PROVIDE ROOM CONTROLLER/POWER PACK AND RELAY INTERFACE AS REQUIRED. ROOM CONTROLLER SHALL TURN LIGHTS OFF AFTER 20-MINUTE OF SPACE BEING VACATED. RELAY INTERFACE SHALL PROVIDE OCCUPANCY STATUTS TO BAS SYSTEM.

LIGHTING CONTROLS GENERAL NOTES

a. COOPER CONTROLS AND ACUITY N-LIGHT ARE APROVED MANUFACTURERS.

b. OCCUPANCY SENSORS SERVING CORRIDORS SHALL BE DISABLED ON A SCHEDULE DURING WORK HOURS. TIE CORRIDOR CONTROLS WITH BAS SYSTEM. COORDINATE SCHEDULE TIMES WITH OWNER.

1 EL2.11C **LIGHTING PLAN LEVEL ONE - UNIT C**
1/8" = 1'-0"

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STATE OF TEXAS
ERIK M. MacDONALD
105068
LICENSED
PROFESSIONAL ENGINEER
1/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.	Revision Date
3 Addendum 4	1/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
LEVEL 1 LIGHTING PLAN - AREA C

SHEET NO.
EL2.11C

KEY PLAN
TRUE NORTH

KATY ISD
KATY, TEXAS

New Elementary No. 49

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1 EP2.12B **POWER PLAN - LEVEL TWO - UNIT B**
1/8" = 1'-0"

GENERAL POWER NOTES:

A. ELECTRICAL CONTRACTOR SHALL PROVIDE A DEDICATED NEUTRAL FOR ALL 120V AND 277V CIRCUITS. SHARING OF NEUTRALS IS NOT PERMITTED.

B. CONTRACTOR SHALL VERIFY DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL CASEWORK AND MILLWORK ELEVATIONS.

C. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL EXHAUST FAN CONTROLS. ALL EXHAUST FANS SHALL BE PROVIDED WITH BUILT-IN DISCONNECT SWITCH.

D. HVAC AND PLUMBING EQUIPMENT MAY DIFFER FROM LOCATIONS AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE EXACT LOCATIONS WITH MECHANICAL AND PLUMBING CONTRACTOR.

E. CONTRACTOR SHALL PROVIDE HANDLE TIES MANUFACTURED BY THE SWITCH GEAR SUPPLIER ON ALL MULTI-WIRE CIRCUITS TO MEET THE REQUIREMENTS OF ARTICLE 210.4(B) OF THE LATEST NATIONAL ELECTRICAL CODE (NEC). AT THE CONTRACTOR'S OPTION, TWO AND THREE POLE BREAKERS MAY BE USED.

F. CONTRACTOR SHALL INDICATE CIRCUIT SERVING EACH RECEPTACLE BY PROVIDING TYPE WRITTEN LABELING LOCATED ON INSIDE FACE OF EACH RECEPTACLE COVER PLATE.

G. ELECTRICAL CONTRACTOR SHALL ROUTE ELECTRICAL CONDUIT AND WIRING TO ALL ROOF HVAC EQUIPMENT THROUGH ROOF CURBS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

H. CONTRACTOR SHALL ARRANGE PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT IN ELECTRICAL ROOM TO PROVIDE CLEARANCE PER NEC 110.26.

I. MECHANICAL CONTRACTOR SHALL FURNISH DISCONNECT SWITCHES FOR ALL MECHANICAL EQUIPMENT. ELECTRICAL CONNECTIONS SHALL BE PROVIDED BY DIVISION 26. DISCONNECTS FOR FPT BOXES SHALL BE MOUNTED ADJACENT TO BOXES, NOT ON BOXES.

J. VAVS WITH DAMPER ONLY SHALL BE CONNECTED BY MECHANICAL CONTRACTOR.

K. ALL RECEPTACLES LOCATED IN RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, ELEVATOR PITS OR SHAFTS, ELEVATOR EQUIPMENT ROOMS, SERVING ELECTRIC DRINKING FOUNTAINS OR VENDING MACHINES, LOCATED WITHIN 6' OF A SINK, LOCATED ABOVE A WET COUNTERTOP OR IN A KITCHEN OR COFFEE BAR SHALL BE GFCI. EACH GFCI PROTECTED RECEPTACLE SHARING THE SAME CIRCUIT SHALL HAVE ITS OWN RE-SET AND TEST BUTTON.

L. FIRE ALARM STROBE CANDELA RATING OF ALL VISUAL DEVICES SHALL BE RATED TO COMPLY WITH ADA, NFPA, & UL.

M. ALL OUTDOOR DEVICES SHALL BE WEATHERPROOF.

N. HEAT DETECTORS LOCATED OUTDOORS OR IN UNCONDITIONED SPACES SHALL BE ROR TYPE.

O. SPRINKLER TAMPER AND FLOW SWITCHES SHALL BE FURNISHED AND INSTALLED BY SPRINKLER CONTRACTOR AND WIRED BY FIRE ALARM CONTRACTOR.

P. REFER TO SPRINKLER DRAWINGS FOR EXACT LOCATIONS FOR ANY AND ALL TAMPER AND FLOW SWITCHES.

Q. LOCATE SMOKE DETECTORS A MINIMUM OF 3 FEET FROM SUPPLY AND RETURN GRILLES AND OTHER MOVING EQUIPMENT.

R. CENTER AND ALIGN CEILING MOUNTED FIRE ALARM DEVICES WITH LIGHTING, DIFFUSERS, AND OTHER DEVICES.

S. PROVIDE SAFETY COVERS BY SAFETY TECHNOLOGY INTERNATIONAL FOR ALL DEVICES LOCATED IN THE CAFETERIA.

T. REFER TO RESPECTIVE SIDE OF THE BOUNDARY MATCHLINE FOR THE APPROPRIATE FLOOR PLAN KEYED NOTES.

U. PROVIDE ROUGH-IN FOR ALL THERMOSTATS. COORDINATE WITH DIVISION 23 FOR EXACT NUMBER AND LOCATION.

V. ALL RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT RECEPTACLES PER NEC 406.12(4).

POWER KEYED NOTES: (#)

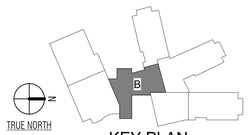
1. PROVIDE 120V CONNECTION TO MOTORIZED SHADE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. RUN 3#12 FROM CONTROLLER BOX TO EACH SHADE MOTOR. REFER TO SHEET EP2.12E FOR CONTROLLER LOCATION.
2. PROVIDE HUBBELL #USB4XX 4-PORT USB OUTLETS AT EACH TEACHING STAIR SITTING STEP. FIELD COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
3. PROVIDE 20A @ 120V GFCI RECEPTACLE ON ROOF FOR HVAC EQUIPMENT SERVICE. FIELD COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PLACEMENT.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT FOR FAN POWERED TERMINAL BOX. DISCONNECT SHALL BE MOUNTED ON STRUCTURE NEXT TO TERMINAL BOX. (TYPICAL)
5. (3) PROVIDE POWER AND DATA OUTLETS FOR OWNER PROVIDED FLAT PANEL SCREEN. FIELD COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.

Panel Name	Refer To Sheet

NOTE TO THE CONTRACTOR

DATA, A/V, SECURITY, OUTLETS ARE SHOWN FOR COORDINATION PURPOSES ONLY.

ELECTRICAL CONTRACTOR SHALL REFER TO A/V , SECURITY AND TECHNOLOGY DRAWINGS FOR ADDITIONAL ROUGH-IN INFORMATION AND CONDUIT AND CABLE TRAY ROUTING.



KEY PLAN

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PROFESSIONAL ENGINEER
1/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.		Revision Date
3	Addendum 4	1/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
LEVEL 2 POWER PLAN - AREA B

SHEET NO.
EP2.12B

New Elementary No. 49

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PANEL SCHEDULES KEYED NOTES:

1. ROUTE CORRIDOR LIGHTING VIA WATTSTOPPER ROOM CONTROLLER. PROVIDE SWITCHED NO UN-SWITCHED HOTS TO EACH EMERGENCY LIGHTING FOR ON/OFF CONTROLS AND VOLTAGE SENSING. BUILDING AUTOMATION SYSTEM SHALL DISABLE CORRIDOR OCCUPANCY SENSORRS WITH TIME OF THE DAY SCHEDULE.
2. PROVIDE GFCI BREAKER FOR CIRCUIT.
3. ROUTE EXTERIOR LIGHTING CIRCUIT VIA LIGHTING CONTACTOR LC02 AND GTD DEVICE FOR EXTERIOR LIGHTING CIRCUIT. AUTOMATIC CONTROLS VIA B.A.S. WITH TIME OF THE DAY SCHEDULING AND PHOTOCELL. ROUTE UNSWITCHED HOT WIRE TO ASSOCIATED GENERATOR TRANSFER DEVICE FOR VOLTAGE SENSING.
4. PROVIDE CIRCUIT BREAKER WITH LOCK OUT DEVICE. LOCK OUT DEVICE SHALL LOCK BREAKER IN THE OPEN POSITION.
5. ROUTE EXTERIOR LIGHTING CIRCUIT VIA LIGHTING CONTACTOR LC201 FOR EXTERIOR LIGHTING CIRCUIT. AUTOMATIC CONTROLS VIA B.A.S. WITH TIME OF THE DAY SCHEDULING AND PHOTOCELL. REFER TO LIGHTING PLANS FOR CIRCUITRY.
6. ROUTE EXTERIOR LIGHTING CIRCUIT VIA LIGHTING CONTACTOR LC01 AND GTD DEVICE FOR EXTERIOR LIGHTING CIRCUIT. AUTOMATIC CONTROLS VIA B.A.S. WITH TIME OF THE DAY SCHEDULING AND PHOTOCELL. ROUTE UNSWITCHED HOT WIRE TO ASSOCIATED GENERATOR TRANSFER DEVICE FOR VOLTAGE SENSING.
7. ROUTE EXTERIOR LIGHTING CIRCUIT VIA LIGHTING CONTACTOR LC02 AND GTD DEVICE FOR EXTERIOR LIGHTING CIRCUIT. AUTOMATIC CONTROLS VIA B.A.S. WITH TIME OF THE DAY SCHEDULING AND PHOTOCELL. ROUTE UNSWITCHED HOT WIRE TO ASSOCIATED GENERATOR TRANSFER DEVICE FOR VOLTAGE SENSING.
8. ROUTE EXTERIOR LIGHTING CIRCUIT VIA LIGHTING CONTACTOR LC02 FOR EXTERIOR LIGHTING CIRCUIT. AUTOMATIC CONTROLS VIA B.A.S. WITH TIME OF THE DAY SCHEDULING AND PHOTOCELL. REFER TO SITE PLAN FOR CIRCUITRY.
9. ROUTE EXTERIOR LIGHTING CIRCUIT VIA LIGHTING CONTACTOR LC03 FOR EXTERIOR LIGHTING CIRCUIT. AUTOMATIC CONTROLS VIA B.A.S. WITH TIME OF THE DAY SCHEDULING AND PHOTOCELL. REFER TO SITE PLAN FOR CIRCUITRY.
10. ROUTE STAIRWELL LIGHTING CIRCUIT VIA LIGHTING CONTACTOR LC2D2. AUTOMATIC CONTROLS VIA B.A.S. WITH TIME OF THE DAY SCHEDULING. PROVIDE SWITCHED NO UN-SWITCHED HOTS TO EACH EMERGENCY LIGHTING FOR ON/OFF CONTROLS AND VOLTAGE SENSING.

Panelboard HG

65000 AIC Rating, X New, Existing

Fed By: MSB

480/277 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating; Mains Type: MLO; 0 A MCB; 250 A BUS (Copper); ISO. GRND. BUS; X Single, Double, Feed - Thru; Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	4500	WH	CT BASIN HEATER	12	20 A	1 2	20 A	12	LTS - A101	L	1400	
						3 4	20 A	12	SPARE	--	0	
	4500	WH	CT BASIN HEATER	12	20 A	5 6	20 A	12	SPARE	--	0	
						7 8	20 A	10	LT - CHILLER YARD	L	600.75	6
	0	--	SPARE	12	20 A	9 10	20 A	6	LT - SITE LIGHTING	EL	1442	8
	0	--	SPARE	12	20 A	11 12	20 A	6	LT - SITE LIGHTING	EL	1648	9
	0	--	SPARE	12	20 A	13 14	15 A	12	FCU-1	F	2390	
	0	--	SPACE	12	--	15 16						
	0	--	SPACE	12	--	17 18						
	0	--	SPACE	12	--	19 20						
	0	--	SPACE	12	--	21 22	15 A	12	FCU-2	F	2390	
	0	--	SPACE	12	--	23 24						
	0	--	SPACE	12	--	25 26	--	12	SPACE	--	0	
	0	--	SPACE	12	--	27 28	--	12	SPACE	--	0	
	0	--	SPACE	12	--	29 30	--	12	SPACE	--	0	
	0	--	SPACE	12	--	31 32	--	12	SPACE	--	0	
	0	--	SPACE	12	--	33 34	--	12	SPACE	--	0	
	0	--	SPACE	12	--	35 36	--	12	SPACE	--	0	
	0	--	SPACE	12	--	37 38						
	16731	F	AHU-4 (15 H.P.)	8	45 A	39 40 41 42	70 A	4	TLG	Spare; R; F; M	35616	

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	4470	100.00%	4470	210.20(a)	(L)Lighting	2009.07	125.00%	2511.34
220.56	(K)Kitchen	3600	90.00%	3240		(EL)Ext. Ltg.	3090	125.00%	3862.5
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.	9000	100.00%	9000
220.60	(F)Fans	7034	100.00%	7034	220.5	(MT)Lrg. Motor			
	(M)Misc.	25292	100.00%	25292		(SP)Sub Pnl.			

Total Connected Load: 54487.06 VA = 66 A
Total Load (Diversified): 55399.91 VA = 67 A

Location of Panel: MECHANICAL-2 M6-2

Panelboard LG

10000 AIC Rating, X New, Existing

Fed By: TLG

120/208 Wye Volt, 3 Phase, 4 Wire; 2 Section; Type 1 -Nema Rating; Mains Type: MCB; 150 A MCB; 225 A BUS (Copper); ISO. GRND. BUS; Single, X Double, X Feed - Thru; Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	900	R	RC - 621.622	12	20 A	1 2	20 A	12	RC - M6	R	690	
	1200	K	REF - 621	12	20 A	3 4	20 A	12	RC - M6	R	900	
	1200	K	RC - 621	12	20 A	5 6	20 A	12	RC - M6	R	360	
	1200	K	RC - 621	12	20 A	7 8	50 A	8	B-1 - MECHANICAL-2 M6-2	M	7675	
	500	M	CIRC PUMP, TIME SWITCH	12	20 A	9 10						
	150	M	COOLING TOWER VALVES	12	20 A	11 12	50 A	8	B-2 - MECHANICAL-2 M6-2	M	7675	
	400	M	SOLATUBE DAMPERS	12	20 A	13 14						
	1080	R	EXTERIOR RCPTS.	12	20 A	15 16	20 A	12	CP-1	M	2496	
	414	F	EF-18 - A101E	12	15 A	17 18						
	0	--	SPARE	12	20 A	19 20	20 A	12	CP-2	M	2496	
	0	--	SPARE	12	20 A	21 22						
	0	--	SPARE	12	20 A	23 24	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	25 26	20 A	12	GAS DETECTION SYSTEM	M	500	
	0	--	SPARE	12	20 A	27 28	20 A	12	CHILLERS VALVES + BYPASS	M	200	
	0	--	SPARE	12	20 A	29 30	20 A	12	GENERATOR HEATER	M	1500	
	100	M	BLUE PHONE	12	20 A	31 32	20 A	12	GEN. COND. PUMP	M	250	
	500	M	EQ - M6	12	20 A	33 34	20 A	12	GENERATOR BATTERY	M	500	
	0	--	SPARE	12	20 A	35 36	15 A	12	EF-16	F	1127	
	590	R; M	ROOF TOP RECEPTACLES	12	20 A	37 38	20 A	12	SPARE	--	0	
	299	F	EF-17	12	15 A	39 40	20 A	12	SPARE	--	0	
	414	F	SF-1	12	15 A	41 42	20 A	12	SPARE	--	0	
	150	M	COOLING TOWER CKT	12	20 A	43 44	--	12	SPACE	--	0	
	150	M	COOLING TOWER CKT	12	20 A	45 46	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	47 48	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	49 50	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	51 52	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	53 54	--	12	SPACE	--	0	
	0	--	SPACE	12	--	55 56						
	0	--	SPACE	12	--	57 58	30 A	10	SPD2	M	0	
	0	--	SPACE	12	--	59 60						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	4470	100.00%	4470	210.20(a)	(L)Lighting			
220.56	(K)Kitchen	3600	90.00%	3240		(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans	2254	100.00%	2254	220.5	(MT)Lrg. Motor			
	(M)Misc.	25292	100.00%	25292		(SP)Sub Pnl.			

Total Connected Load: 35616 VA = 99 A
Total Load (Diversified): 35256 VA = 98 A

Location of Panel: MECHANICAL-2 M6-2

Panelboard 2HD

65000 AIC Rating, X New, Existing

Fed By: HD

480/277 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating; Mains Type: MLO; 0 A MCB; 250 A BUS (Copper); ISO. GRND. BUS; X Single, Double, X Feed - Thru; Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	803.3	F	FPT-4-1	12	15 A	1 2	20 A	12	SPARE	--	0	
	1495.8	F	FPT-4-2	12	15 A	3 4	20 A	12	LT - B110	L	180.6	
	1495.8	F	FPT-4-3	12	15 A	5 6	20 A	12	LT - E228 CORRIDOR	L	555	
	803.3	F	FPT-4-4	12	15 A	7 8	20 A	12	LT - 901,902.906	L	1178	
	803.3	F	FPT-4-5	12	15 A	9 10	20 A	12	LT - 904	L	814	
	803.3	F	FPT-4-6	12	15 A	11 12	20 A	12	LIBRARY SOFFIT	L	144	5
	803.3	F	FPT-4-7	12	15 A	13 14	20 A	12	LT - B110	L	725	
	914.1	F	FPT-4-8	12	15 A	15 16	20 A	12	LT - CORRIDOR E228	L	495.4	5
	803.3	F	FPT-4-9	12	15 A	17 18	20 A	12	LT - E228 CORRIDOR	L	1232	
	803.3	F	FPT-4-10	12	15 A	19 20	20 A	12	SPARE	--	0	
	803.3	F	FPT-4-11	12	15 A	21 22	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	23 24	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	25 26	--	12	SPACE	--	0	
	0	--	SPACE	12	--	27 28	--	12	SPACE	--	0	
	0	--	SPACE	12	--	29 30	--	12	SPACE	--	0	
	0	--	SPACE	12	--	31 32	--	12	SPACE	--	0	
	0	--	SPACE	12	--	33 34	--	12	SPACE	--	0	
	0	--	SPACE	12	--	35 36	40 A	8	IWH-1	WH	8320	
	16731	F	AHU-4 (15 H.P.)	8	45 A	37 38 39 40 41 42	45 A	8	T2LD	Spare; R; F; M	20179	

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	16380	80.53%	13190	210.20(a)	(L)Lighting	5324	125.00%	6655
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.	8320	100.00%	8320
220.60	(F)Fans	28282.1	100.00%	28282.1	220.5	(MT)Lrg. Motor			
	(M)Misc.	2580	100.00%	2580		(SP)Sub Pnl.			

Total Connected Load: 60886.1 VA = 73 A
Total Load (Diversified): 59027.1 VA = 71 A

Location of Panel: Space 947

Panelboard LF1

10000 AIC Rating, X New, Existing

Fed By: LF

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating; Mains Type: MLO; 0 A MCB; 400 A BUS (Copper); ISO. GRND. BUS; X Single, Double, Feed - Thru; Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	0	--	SPARE	12	20 A	1 2	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	3 4	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	5 6	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	7 8	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	9 10	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	11 12	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	13 14	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	15 16	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	17 18	20 A	12	SPARE	--	0	
	717	F; M	EF-24	12	15 A	19 20	--	12	SPACE	--	0	
	177	F; M	EF-22	12	15 A	21 22	--	12	SPACE	--	0	
	717	F; M	EF-23	12	15 A	23 24	--	12	SPACE	--	0	
	299	F	EF-20	12	15 A	25 26	--	12	SPACE	--	0	
	509	F	EF-19	12	15 A	27 28	--	12	SPACE	--	0	
	870	R; M	RC - M10	12	20 A	29 30	--	12	SPACE	--	0	
	660	R; M	RC - M10	12	20 A	31 32	--	12	SPACE	--	0	
	0	M	EQ - EQUIP. PLATFORM	12	20 A	33 34	--	12	SPACE	--	0	
	360	R	ROOF TOP RECEPTACLES	12	20 A	35 36	20 A	12	LT - DISPLAY CASE	L	128	
	1000	M	GATE MOTOR	12	20 A	37 38						
	400	M	SOLATUBE DAMPERS	12	20 A	39 40	15 A	12	EQ - A109	M	2702	
	667	M	COILING OVERHEAD DOOR	12	20 A	41 42						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	1440	100.00%	1440	210.20(a)	(L)Lighting	128	125.00%	160
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans	2269	100.00%	2269	220.5	(MT)Lrg. Motor			
	(M)Misc.	5369	100.00%	5369		(SP)Sub Pnl.			

Total Connected Load: 9206 VA = 26 A
Total Load (Diversified): 9238 VA = 26 A

Location of Panel: EQUIPMENT PLATFORM 909

Panelboard HF

65000 AIC Rating, X New, Existing

Fed By: MSB

480/277 Wye Volt, 3 Phase, 4 Wire; 2 Section; Type 1 -Nema Rating; Mains Type: MLO; 0 A MCB; 400 A BUS (Copper); ISO. GRND. BUS; Single, X Double, Feed - Thru; Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	1495.8	F	FPT-9-1	12	15 A	1 2	20 A	12	CAFETERIA LTS	L	1020	
	1495.8	F	FPT-9-2	12	15 A	3 4	20 A	12	LT - CAFETERIA	L	1020	
	3601	R; F	FPT-9-3	12	20 A	5 6	20 A	12	LT - A16 GYM	L	1530	
	803.3	F	FPT-10-1	12	15 A	7 8	20 A	12	LT - A16 GYM	L	1530	
	803.3	F	FPT-10-2	12	15 A	9 10	20 A	12	LTS - DISPLAY CASE	L	210	
	914.1	F	FPT-10-3	12	15 A	11 12	20 A	12	LTS - 610	L	2936	
	803.3	F	FPT-10-4	12	15 A	13 14	20 A	12	LTS - 621.622.623	L	0	
	803.3	F	FPT-10-5	12	15 A	15 16	20 A	12	LT - 701, 702,703	L	777	
	803.3	F	FPT-10-6	12	15 A	17 18	20 A	12	LTS - A114, A125	L	111	
	803.3	F	FPT-10-7	12	15 A	19 20	20 A	12	LT - SOUTH WALLPACKS	L	168	7
	914.1	F	FPT-10-8	12	15 A	21 22	20 A	12	LT - 601,604	L	3060	
	1495.8	F	FPT-10-9	12	15 A	23 24						
	3601	F	FPT-10-10	12	20 A	25 26						
	803.3	F	FPT-10-11	12	15 A	27 28	15 A	12	EQ - HOIST	M	1275	
	803.3	F	FPT-10-12	12	15 A	29 30						
	803.3	F	FPT-10-13	12	15 A	31 32	40 A	8	IWH-1 - 703	WH	8320	
	2709	F	OAHU-1 (2 H.P.)	12	15 A	33 34 35 36 37 38	15 A	12	OAHU-2 (5 H.P.)	F	6055	
	16731	F	AHU-6 (15 H.P.)	8	45 A	39 40 41 42 43 44	25 A	10	AHU-9 (7.5 H.P.)	F	8764	
	11154	F	AHU-7 (10 H.P.)	10	30 A	45 46 47 48 49 50	20 A	12	EWH-4 - 616	WH	12000	
	16769.36	F	ERV-4 (4) 3.33 H.P.	10	25 A	51 52 53 54 55 56	20 A	12	LT - A114 CORRIDOR	L	209	1
									LT - A122 CORRIDOR	L	713.6	1
	16731	F	AHU-8 (15 H.P.)	6	60 A	57 58 59 60 61 62	25 A	10	ERV-5 (4) 3.33 H.P.	F; M	16769.36	
	21511	F	AHU-10 (20 H.P.)	6	60 A	63 64 65 66 67 68	20 A	12	SPARE	--	0	
									SPARE	--	0	
									SPARE	--	0	
	0	--	SPARE	12	20 A	69 70	--	12	SPACE	--	0	
	0	--	SPACE	12	--	71 72	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	73 74						
	0	--	SPACE	12	--	75 76	125 A	1	TLF	Spare; L; R; ...	72079	
	0	--	SPACE	12	--	77 78						
	0	--	SPACE	12	--	79 80						
	0	--	SPACE	12	--	81 82	45 A	8	TLS	Spare; L; R; ...	12267	
	0	--	SPACE	12	--	83 84						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	37570.5	63.31%	23785.25	210.20(a)	(L)Lighting	18212.6	125.00%	22765.75
220.56	(K)Kitchen	14800	65.00%	9620		(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.	20320	100.00%	20320
220.60	(F)Fans	138409.52	100.00%	138409.52	220.5	(MT)Lrg. Motor			
	(M)Misc.	27854	100.00%	27854		(SP)Sub Pnl.			

Total Connected Load: 257166.62 VA = 309 A
Total Load (Diversified): 242754.52 VA = 292 A

Location of Panel: EQUIPMENT PLATFORM 909

Panelboard LF

10000 AIC Rating, X New, Existing

Fed By: TLF

120/208 Wye Volt, 3 Phase, 4 Wire; 2 Section; Type 1 -Nema Rating; Mains Type: MCB; 250 A MCB; 400 A BUS (Copper); ISO. GRND. BUS; Single, X Double, X Feed - Thru; Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	540	R	RC - 703	12	20 A	1 2	20 A	12	RC - 701	R	540	
	540	R	RC - 703	12	20 A	3 4	20 A	12	RC - 701 VEND.M.	K	1200	2
	720	R	RC - 703	12	20 A	5 6	20 A	12	RC - 701 VEND.M.	K	1200	2
	720	R	RC - 703	12	20 A	7 8	20 A	12	RC - 701 VEND.M.	K	1200	2
	180	R	RC - 703 SOUND RACK	12	20 A	9 10	20 A	12	RC - 701 ICE MACH.	K	1500	
	1260	R	RC - 702	12	20 A	11 12	20 A	12	RC - 701 MICROW.	K	1200	
	720	R	RC - 702	12	20 A	13 14	20 A	12	RC - 701 MICROW.	K	1200	
	540	R	RC - 702	12	20 A	15 16	20 A	12	RC - 701 DISHWASHER	K	500	
	720	R	RC - 601	12	20 A	17 18	20 A	12	RC - 701	K	1200	
	900	R	RC - 601	12	20 A	19 20	20 A	12	RC - 701	K	1200	
	540	R	RC - 601	12	20 A	21 22	20 A	12	RC - 701 REF.	K	1200	
	720	R	RC - 601	12	20 A	23 24	20 A	12	RC - 701 REF.	K	1200	
	540	R	RC - 604	12	20 A	25 26	20 A	12	RC - 701MICROW.	K	1200	
	540	R	RC - 604	10	20 A	27 28	20 A	12	RC - A132,610,612	R	540	
	540	R	RC - 604	10	20 A	29 30	--	12	SPACE	--	0	
	720	R	RC - 604	10	20 A	31 32	--	12	SPACE	--	0	
12	5000	M	KILN - 603	6	60 A	33 34 35 36	20 A	12	EQ - 703 PARTITION	M	1127	
									RC - A114	R	180	2
	720	R	RC - A114 CORRIDOR	12	20 A	37 38						
	540	R	RC - A122 CORRIDOR	12	20 A	39 40	30 A	10	SPD2	M	0	
	360	R	RC - A125 CORRIDOR	12	20 A	41 42						
	720	R	RC - A109	10	20 A	43 44	20 A	12	EQ - A116 GOAL	M	1127	
	900	R	RC - A109	12	20 A	45 46	20 A	12	EQ - A116 GOAL	M	1127	
	360	R	RC - A116	12	20 A	47 48	20 A	12	EQ - A116 GOAL	M	1127	
	180	R	RC - A116	12	20 A	49 50	20 A	12	EQ - A116 GOAL	M	1127	
	1500	M	EQ - A109 MOT.SHADES	12	20 A	51 52	20 A	12	EQ - A116 GOAL	M	1127	
	1500	M	EQ - A116 MOT.SHADES	12	20 A	53 54	20 A	12	EQ - A116 GOAL	M	1127	
	750	R	RC - A116 SCOREBOARD	12	20 A	55 56	20 A	12	EQ - A116 GOAL	M	1127	
	500	R	RC - A116 FUT. SCOREBOARD	12	20 A	57 58	20 A	12	EQ - A116 GOAL	M	1127	
	900	R	RC - A108,620,6C	12	20 A	59 60	20 A	12	EQ - 6A HAND DRYER	R	750	4
	500	R	RC -619	12	20 A	61 62	20 A	12	EQ - 6A HAND DRYER	R	750	4
	500	R	RC -619	12	20 A	63 64	20 A	12	EQ - 6B HAND DRYER	R	750	4
	540	R	RC - OUTDOORS	10	20 A	65 66	20 A	12	EQ - 6B HAND DRYER	R	750	4
	0	--	SPACE	12	--	67 68	20 A	12	RC - A118 EDF	R	500	2
	0	--	SPACE	12	--	69 70	20 A	12	SPARE	--	0	
540	R	RC - A110,A113, 617	12	20 A	71 72	20 A	12	SPARE	--	0		
2	500	R	RC - A113 EDF	12	20 A	73 74	--	12	SPACE	--	0	
	900	R	RC - 613	12	20 A	75 76	--	12	SPACE	--	0	
	900	R	RC - 607,615,616,625	12	20 A	77 78	20 A	12	RC - A132, A132A,608,609	R	900	
	720	R	RC - 606	12	20 A	79 80	20 A	12	RC - 610	R	900	
	540	R	RC - 606	12	20 A	81 82	20 A	10	RC - 610	R	540	
	900	R	RC - 606	12	20 A	83 84	20 A	10	RC - 610	R	720	

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	32170	65.54%	21085	210.20(a)	(L)Lighting	128	125.00%	160
220.56	(K)Kitchen	14000	65.00%	9100		(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans	2269	100.00%	2269	220.5	(MT)Lrg. Motor			
	(M)Misc.	23512	100.00%	23512		(SP)Sub Pnl.			

Total Connected Load: 72079 VA = 200 A
Total Load (Diversified): 56126 VA = 156 A

Location of Panel: EQUIPMENT PLATFORM 909

Panelboard 2LD

10000 AIC Rating, X New, Existing

Fed By: T2LD

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating; Mains Type: MCB; 100 A MCB; 100 A BUS (Copper); ISO. GRND. BUS; X Single, Double, Feed - Thru; Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	900	R	RC - 903	12	20 A	1 2	20 A	12	RC - E228, E229	R	360	
	540	R	RC - 903	12	20 A	3 4	20 A	12	RC - 3D,C9	R	360	
	900	R	RC - 902	12	20 A	5 6	20 A	12	RC - 301,302	R	720	
	540	R	RC - 902	12	20 A	7 8	20 A	12	RC - 301 APPLIANCE	R	180	
	900	R	RC - 901	12	20 A	9 10	20 A	12	RC - 904	R	360	
	720	R	RC - 901	12	20 A	11 12	20 A	12	RC - 904	R	720	
	900	R	RC - 907	12	20 A	13 14	20 A	12	RC - 904	R	720	
	720	R	RC - 907	12	20 A	15 16	20 A	12	R LITERACY LIBRARY-1 904-1	R	900	
	720	R	RC - 908	12	20 A	17 18	20 A	12	EQ - MEDIA CENTER SHADES	M	750	
	900	R	RC - 908	12	20 A	19 20	20 A	12	EQ - MEDIA CENTER SHADES	M	750	
	0	--	SPACE	12	--	21 22	20 A	12	EQ - MEDIA CENTER SHADES	M	750	
	0	--	SPACE	12	--	23 24	20 A	12	SPARE	--	0	
	540	R	RC - F160	12	20 A	25 26	20 A	12	SPARE	--	0	
	720	R	RC - 905	12	20 A	27 28	20 A	12	RC - E229 CORRIDOR	R	360	
	0	--	SPARE	12	20 A	29 30	20 A	12	RC - B113 CORRIDOR	R	360	
	180	R	RC - B113 SCREEN	12	20 A	31 32	20 A	12	RC - E201 CORRIDOR	R	720	
	180	R	RC - E9	12	20 A	33 34	20 A	12	RC - LEARNING STAIR	R	1260	
	180

Panelboard XLF

10000 AIC Rating
X New
Existing

Fed By: TXLF

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MCB | 60 A MCB; 100 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
1	500	M	RPS	12	20 A	1 2	20 A	12	SPARE	--	0	
	0	--	SPACE	12	--	3 4	20 A	12	SPARE	--	0	
	0	--	SPACE	12	--	5 6	20 A	12	SPACE	--	0	
	0	--	SPACE	12	--	7 8	--	12	SPACE	--	0	
	0	--	SPACE	12	--	9 10	--	12	SPACE	--	0	
	0	--	SPACE	12	--	11 12	--	12	SPACE	--	0	
	0	--	SPACE	12	--	13 14	--	12	SPACE	--	0	
	0	--	SPACE	12	--	15 16	--	12	SPACE	--	0	
	0	--	SPACE	12	--	17 18	--	12	SPACE	--	0	
	0	--	SPACE	12	--	19 20						
	0	--	SPACE	12	--	21 22	30 A	10	SPD2	M	0	
	0	--	SPACE	12	--	23 24						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle				210.20(a)	(L)Lighting			
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	500	100.00%	500		(SP)Sub Pnl.			

Total Connected Load: 500 VA = 1 A
Total Load (Diversified): 500 VA = 1 A

Location of Panel: EQUIPMENT PLATFORM 909

Panelboard ELC

10000 AIC Rating
X New
Existing

Fed By: TELC

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MCB | 60 A MCB; 100 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	590	R; M	R SERVICES A198	12	20 A	1 2	--	12	SPACE	--	0	
	590	R; M	R SERVICES A282	12	20 A	3 4	20 A	12	EQ - MK DDC	M	500	
	500	K	EQ - 804	12	20 A	5 6	--	12	SPACE	--	0	
	500	K	EQ - 804	12	20 A	7 8	--	12	SPACE	--	0	
	1000	K	EQ - 804	12	20 A	9 10	--	12	SPACE	--	0	
	1000	K	EQ - 804	12	20 A	11 12	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	13 14	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	15 16	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	17 18	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	19 20						
	0	--	SPACE	12	--	21 22	30 A	10	SPD2	M	0	
	0	--	SPACE	12	--	23 24						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	1080	100.00%	1080	210.20(a)	(L)Lighting			
220.56	(K)Kitchen	3000	80.00%	2400		(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	600	100.00%	600		(SP)Sub Pnl.			

Total Connected Load: 4680 VA = 13 A
Total Load (Diversified): 4080 VA = 11 A

Location of Panel: MECH. /ELEC. MK

Panelboard XHF

65000 AIC Rating
X New
Existing

Fed By: ATS-2

480/277 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MLO | 0 A MCB; 400 A BUS (Copper); ISO. GRND. BUS | X Single, Double, X Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	1288	L	LT - M6,M10	12	20 A	1 2						
	930	L	LT - MEZZANINE	12	20 A	3 4	25 A	10	TXLF	Spare; M	500	
2	627.91	L	ELT - CHILLER YARD	12	20 A	5 6						
	926	L	CORRIDOR A114 EMERGENC..	12	20 A	7 8	20 A	12	EXIT LIGHTS	L	20	
	918.4	L	LTS - B108	12	20 A	9 10	20 A	12	SPARE	--	0	
	900	L	GYM/CAFETERIA EM LTS	12	20 A	11 12	20 A	12	SPARE	--	0	
	2462	L	LT - M10 EMERG.	12	20 A	13 14	20 A	12	SPARE	--	0	
3	900	L	ELT - SOUTH WALLPACKS	12	20 A	15 16	--	12	SPACE	--	0	
	135	L	EXIT LIGHTS	12	20 A	17 18	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	19 20						
	0	--	SPACE	12	--	21 22	30 A	10	SPD3	M	0	
	0	--	SPACE	12	--	23 24						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle				210.20(a)	(L)Lighting	24057.91	125.00%	30072.39
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators	53380	95.00%	50711
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	3600	100.00%	3600		(SP)Sub Pnl.			

Total Connected Load: 81037.91 VA = 97 A
Total Load (Diversified): 84383.39 VA = 101 A

Location of Panel: EQUIPMENT PLATFORM 909

Panelboard ELG

10000 AIC Rating
X New
Existing

Fed By: TELG

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MLO | 150 A MCB; 225 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	0	--	SPARE	12	20 A	1 2	20 A	12	E189 - REFRIGERATOR	K	1320	
	0	--	SPARE	12	20 A	3 4	20 A	12	E189 - REFRIGERATOR	K	1320	
	0	--	SPACE	12	20 A	5 6	--	12	SPACE	--	0	
	10800	K	WALK-IN CONDENSING UNIT	8	50 A	7 8	20 A	12	E102A DOOR HEATER/LTS	K	1920	
						9 10	20 A	12	E102B TEMP ALARM	K	1920	
						11 12	20 A	12	E102C PRESSURE RLF PORT	K	1200	
	100	M	EQ - M6 DDC	12	20 A	13 14	20 A	12	E102A DOOR HEATER/LTS	K	1920	
	100	M	BAS/DDC	12	20 A	15 16	20 A	12	E102B TEMP ALARM	K	1920	
	540	R	CORR. EMER. RECPTS.	12	20 A	17 18	20 A	12	SPARE	--	0	
	500	M	EQ -DDC PANEL	12	20 A	19 20	20 A	12	SPARE	--	0	
	960	K	E211 - MILK COOLER	12	20 A	21 22	20 A	12	SPACE	--	0	
	960	K	E211 - MILK COOLER	12	20 A	23 24	--	12	SPACE	--	0	
	1200	K	E102E - PANIC ALARM	12	20 A	25 26	--	12	SPACE	--	0	
	1200	K	E102E - PANIC ALARM	12	20 A	27 28	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	29 30	--	12	SPACE	--	0	
	0	--	SPACE	12	20 A	31 32	--	12	SPACE	--	0	
	0	--	SPACE	12	20 A	33 34	--	12	SPACE	--	0	
	240	M	E103D - COOLER COIL	12	20 A	35 36	--	12	SPACE	--	0	
	1920	K	E103F - DRAIN LINE HEATER	12	20 A	37 38						
	2475.2	K	E103C - FREEZER COIL	10	30 A	39 40	60 A	6	ELF	Other; Sp..	2800	
						41 42						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	2340	100.00%	2340	210.20(a)	(L)Lighting			
220.56	(K)Kitchen	31035.2	65.00%	20172.88		(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	1940	100.00%	1940		(SP)Sub Pnl.			

Total Connected Load: 35315.2 VA = 98 A
Total Load (Diversified): 24452.88 VA = 68 A

Location of Panel: MECHANICAL-1 M6-1

Panelboard EHG

65000 AIC Rating
X New
Existing

Fed By: ATS-1

480/277 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MLO | 0 A MCB; 250 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	22437	M	CHP-2 (20 H.P.)	6	60 A	1 2						
						3 4	60 A	6	CWP-1 (20 H.P.)	M	21577	
						5 6						
	22437	M	HWP-1 (20 H.P.)	6	60 A	7 8	20 A	12	SPARE	--	0	
						9 10	20 A	12	SPARE	--	0	
						11 12	20 A	12	SPARE	--	0	
	44082	Spare; R; K; M	EHD	1	125 A	13 14	--	12	SPACE	--	0	
						15 16	--	12	SPACE	--	0	
						17 18	--	12	SPACE	--	0	
	35315.2	Other; Sp..	TELG	4	70 A	19 20						
						21 22	30 A	10	SPD-3	M	0	
						23 24						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	10980	95.54%	10490	210.20(a)	(L)Lighting			
220.56	(K)Kitchen	47235.2	65.00%	30702.88		(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	87633	100.00%	87633		(SP)Sub Pnl.			

Total Connected Load: 145848.2 VA = 175 A
Total Load (Diversified): 128825.88 VA = 155 A

Location of Panel: MECHANICAL-1 M6-1

Panelboard ELB

10000 AIC Rating
X New
Existing

Fed By: TELD

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MCB | 60 A MCB; 100 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	590	R; M	R SERVICES A217	12	20 A	1 2	20 A	12	EQ - M1 DDC	M	500	
	590	R; M	R SERVICES A258	12	20 A	3 4	20 A	12	BAS/DDC	M	500	
	0	--	SPARE	12	20 A	5 6	20 A	12	EQ - M3 DDC	M	500	
	0	--	SPARE	12	20 A	7 8	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	9 10	20 A	12	SPARE	--	0	
	0	--	SPACE	12	--	11 12	20 A	12	SPARE	--	0	
	0	--	SPACE	12	--	13 14	--	12	SPACE	--	0	
	0	--	SPACE	12	--	15 16	--	12	SPACE	--	0	
	0	--	SPACE	12	--	17 18	--	12	SPACE	--	0	
	0	--	SPACE	12	--	19 20	30 A	10	SPD2	--	0	
	0	--	SPACE	12	--	21 22	--	12	-	--	0	
	0	--	SPACE	12	--	23 24	--	12	-	--	0	

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	1080	100.00%	1080	210.20(a)	(L)Lighting			
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	1600	100.00%	1600		(SP)Sub Pnl.			

Total Connected Load: 2680 VA = 7 A
Total Load (Diversified): 2680 VA = 7 A

Location of Panel: MECH / ELEC M1

Panelboard ELF

10000 AIC Rating
X New
Existing

Fed By: ELG

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MLO | 0 A MCB; 100 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	500	Oth..	BAS/DDC	12	20 A	1 2	--	12	SPACE	--	0	
	800	R	RC - 619	12	20 A	3 4	20 A	12	SPACE	--	0	
	1000	R	RC - 619	12	20 A	5 6	20 A	12	SPACE	--	0	
	500	M	EQ - M10 BAS/DDC	12	20 A	7 8	20 A	12	SPARE	--	0	
	0	--	SPACE	12	--	9 10	--	12	SPACE	--	0	
	0	--	SPACE	12	--	11 12	--	12	SPACE	--	0	
	0	--	SPACE	12	--	13 14	--	12	SPACE	--	0	
	0	--	SPACE	12	--	15 16	--	12	SPACE	--	0	
	0	--	SPACE	12	--	17 18	--	12	SPACE	--	0	
	0	--	SPACE	12	--	19 20						
	0	--	SPACE	12	--	21 22	30 A	10	SPD2	M	0	
	0	--	SPACE	12	--	23 24						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	1800	100.00%	1800	210.20(a)	(L)Lighting			
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	1000	100.00%	1000		(SP)Sub Pnl.			

Total Connected Load: 2800 VA = 8 A
Total Load (Diversified): 2800 VA = 8 A

Location of Panel: EQUIPMENT PLATFORM 909

Panelboard LS

10000 AIC Rating
X New
Existing

Fed By: TLS

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MCB | 100 A MCB; 100 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	360	R	RC - A133	12	20 A	1 2	20 A	12	LT - A133	L	800	
	360	R	RC - A133	12	20 A	3 4	20 A	12	LT - A133	L	800	
	360	R	RC - A133	12	20 A	5 6	20 A	12	LT - A133	L	800	
	180	R	RC - A133	12	20 A	7 8	20 A	12	LT - A133	L	800	
	180	R	RC - STAGE PROJECTOR	12	20 A	9 10	20 A	12	LT - A133	L	800	
	180	R	RC - A133	12	20 A	11 12	20 A	12	LT - A133	L	800	
	540	R	RC - A133	12	20 A	13 14	20 A	12	SPARE	--	0	
	360	R	RC - A133	12	20 A	15 16	20 A	12	SPARE	--	0	
	380	R; M	EQ - DMX SPLITER	12	20 A	17 18	20 A	12	LT - STAGE LIGHTING	M	500	5
	380	R;..	EQ - STG RELAY PNL	12	20 A	19 20	20 A	12	LT - STAGE LIGHTING	M	500	5
	800	K	EQ - A133	12	20 A	21 22	20 A	12	LT - STAGE LIGHTING	M	500	5
	667	M	EQ - PROJECTION SCREEN	12	20 A	23 24	20 A	12	LT - STAGE LIGHTING	M	500	5
	0	--	SPARE	12	20 A	25 26	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	27 28	20 A	12	SPARE	--	0	
	0	--	SPARE	12	20 A	29 30	20 A	12	SPARE	--	0	
	0	--	SPACE	12	--	31 32	--	12	SPACE	--	0	
	0	--	SPACE	12	--	33 34	--	12	SPACE	--	0	
	0	--	SPACE	12	--	35 36	20 A	12	EQ - A133 SOUND RACK	R	720	
	0	--	SPACE	12	--	37 38						
	0	--	SPACE	12	--	39 40	30 A	10	SPD2	M	0	
	0	--	SPACE	12	--	41 42						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	3600	100.00%	3600	210.20(a)	(L)Lighting	4800	125.00%	6000
220.56	(K)Kitchen	800	100.00%	800		(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	3067	100.00%	3067		(SP)Sub Pnl.			

Total Connected Load: 12267 VA = 34 A
Total Load (Diversified): 13467 VA = 37 A

Location of Panel: EQUIPMENT PLATFORM 909

Panelboard XLD

10000 AIC Rating
X New
Existing

Fed By: TXLD

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MCB | 60 A MCB; 100 A BUS (Copper); ISO. GRND. BUS | X Single, Double, X Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
1	500	M	RPS	12	20 A	1 2	20 A	12	M SERVICES A282	M	500	
1	500	M	RPS	12	20 A	3 4	20 A	12	LT - ELEV.CAB LIGHTING	L	750	
	100	M	M Room D204	12	20 A	5 6	20 A	12	LT - ELEV.CAB LIGHTING	L	750	
1	500	M	EQ - RPS	12	20 A	7 8	20 A	12	SPARE	--	0	
1	500	M	EQ - RPS	12	20 A	9 10	--	12	SPACE	--	0	
1	500	M	EQ - FACP	12	20 A	11 12	--	12	SPACE	--	0	
	0	--	SPACE	12	--	13 14	--	12	SPACE	--	0	
	0	--	SPACE	12	--	15 16	--	12	SPACE	--	0	
	0	M	EQ - DOOR OPERATOR	12	20 A	17 18	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	19 20						
	0	--	SPARE	12	20 A	21 22	30 A	10	SPD2	M	0	
	0	--	SPARE	12	20 A	23 24						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle				210.20(a)	(L)Lighting	1500	125.00%	1875
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	3100	100.00%	3100		(SP)Sub Pnl.			

Total Connected Load: 4600 VA = 13 A
Total Load (Diversified): 4975 VA = 14 A

Location of Panel: MECHANICAL/ELECTRICAL 8G

Panelboard XHD

65000 AIC Rating
X New
Existing

Fed By: XHF

480/277 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MLO | 0 A MCB; 400 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	62	L	CAB LIGHTS	12	20 A	1 2	20 A	12	EXIT LIGHTS	L	220	
	274	L	LVL 1 EM LTS	12	20 A	3 4	20 A	12	SPARE	--	0	
	184	L	LVL 2 EM LTS	12	20 A	5 6	20 A	12	SPARE	--	0	
	1516	L	LT - A14 LVL 1 ADMIN LTS	12	20 A	7 8						
	1200	L	LVL 1 CORR EM LTS	12	20 A	9 10	60 A	6	EQ - PASSANGER ELEVATOR 20 H.P.	E	21511	
	900	L	ELT - COLUMN SCONCES	12	20 A	11 12						
	1299	L	L Room A195	12	20 A	13 14						
	1338	L	L Room A232, A295, A235	12	20 A	15 16	90 A	3	EQ - SERVICE ELEVATOR 30 H.P.	E	31869	
	1924.2	L	L SERVICES A217	12	20 A	17 18						
	1751.4	L	L Room A293, A258, A259	12	20 A	19 20						
	1250	L	L CORRIDOR A296	12	20 A	21 22	25 A	10	TLXD	Spare; L; M	4600	
	1492	L	L Room A294, A285	12	20 A	23 24						
	0	--	SPARE	12	20 A	25 26						
	0	--	SPARE	12	20 A	27 28	30 A	10	SPD3	M	0	
	0	--	SPARE	12	20 A	29 30						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle				210.20(a)	(L)Lighting	14950.6	125.00%	18688.25
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators	53380	95.00%	50711
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	3100	100.00%	3100		(SP)Sub Pnl.			

Total Connected Load: 71430.6 VA = 86 A
Total Load (Diversified): 72499.25 VA = 87 A

Location of Panel: MECHANICAL/ELECTRICAL 8G

Panelboard ELA

10000 AIC Rating
X New
Existing

Fed By: ELD

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MCB | 60 A MCB; 100 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	590	R; M	R SERVICES A195	12	20 A	1 2	--	12	SPACE	--	0	
	910	R; M	RC - M4	12	20 A	3 4	20 A	12	EQ - M4 DDC	M	500	
	360	R	CORR. EMER. RECPT.	12	20 A	5 6	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	7 8	20 A	12	EQ - M5 DDC	M	500	
	0	--	SPARE	12	20 A	9 10	--	12	SPACE	--	0	
	0	--	SPACE	12	--	11 12	--	12	SPACE	--	0	
	0	--	SPACE	12	--	13 14	--	12	SPACE	--	0	
	0	--	SPACE	12	--	15 16	--	12	SPACE	--	0	
	0	--	SPACE	12	--	17 18	--	12	SPACE	--	0	
	0	--	SPACE	12	--	19 20						
	0	--	SPACE	12	--	21 22	30 A	10	SPD2	M	0	
	0	--	SPACE	12	--	23 24						

N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2020)	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	1260	100.00%	1260	210.20(a)	(L)Lighting			
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0	620.14	(E)Elevators			
220.60	(H)Heating			0		(WH)Wat. Htr.			
220.60	(F)Fans				220.5	(MT)Lrg. Motor			
	(M)Misc.	1600	100.00%	1600		(SP)Sub Pnl.			

Total Connected Load: 2860 VA = 8 A
Total Load (Diversified): 2860 VA = 8 A

Location of Panel: MECH / ELEC M5

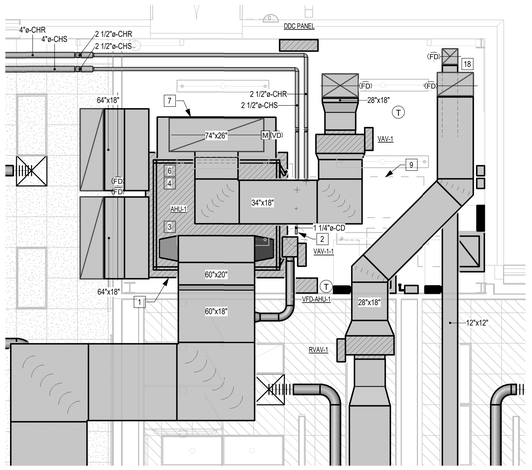
Panelboard EHD

65000 AIC Rating
X New
Existing

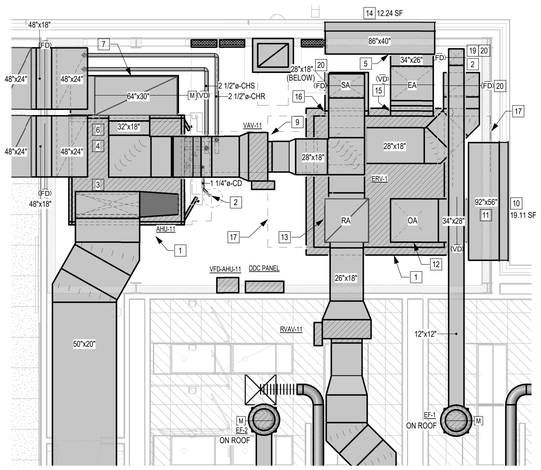
Fed By: EHG

480/277 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating | Mains Type: MLO | 0 A MCB; 125 A BUS (Copper); ISO. GRND. BUS | X Single, Double, Feed - Thru | Mounting: X Surface, Flush

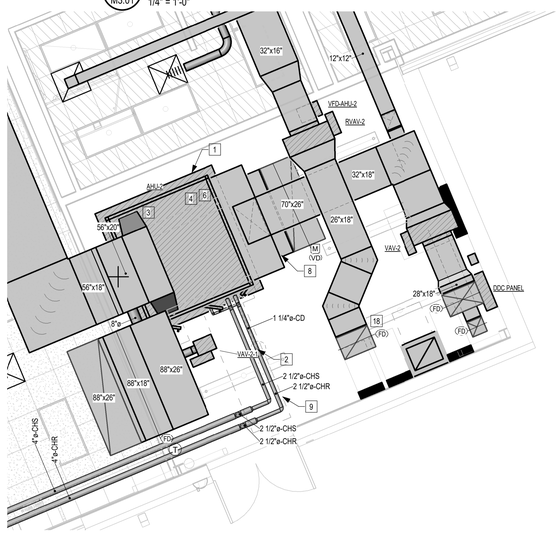
NOTES	Load (VA)	Type	Description	WIRE	CB	CKT	CB	WIRE	Description	Type	Load (VA)	NOTES
	0	--	SPACE	12	--	1 2	--	12	SPACE	--	0	
	0	--	SPACE	12	--	3 4	--	12	SPACE	--	0	
	0	--	SPACE	12	--	5 6	--	12	SPACE	--	0	
	0	--	SPACE	12	--	7 8	20 A	12	SPARE	--	0	
	0	--	SPACE	12	--	9 10	20 A	12	SPARE	--	0	
	0	--	SPACE	12	--	11 12	20 A	12	SPARE	--	0	
	0	--	SPACE	12	--	13 14	--	12	SPACE	--	0	
	0	--	SPACE	12	--	15 16	--	12	SPACE	--	0	
	0	--	SPACE	12	--	17 18	--	12	SPACE	--	0	
	0	--	SPARE	12	20 A	19 20						
	0	--	SPARE	12	20 A	21 22	45 A	8	TELD	Spare; R; K; M	39402	
	0	--	SPARE	12	20 A	23 24						
	0	--	SPACE	12	--	25 26						
	0	--	SPACE	12	--	27 28	25 A	10	TELC	Spare; R; K; M	4680	
	0	--	SPACE	12	--	29 30						
	0	--	SPACE	12	--	31 32	--	12	SPACE	--	0	
	0	--	SPACE	12	--	33 34	--	12	SPACE	--	0	
	0	--	SPACE	12	--	35 36	--	12	SPACE	--	0	



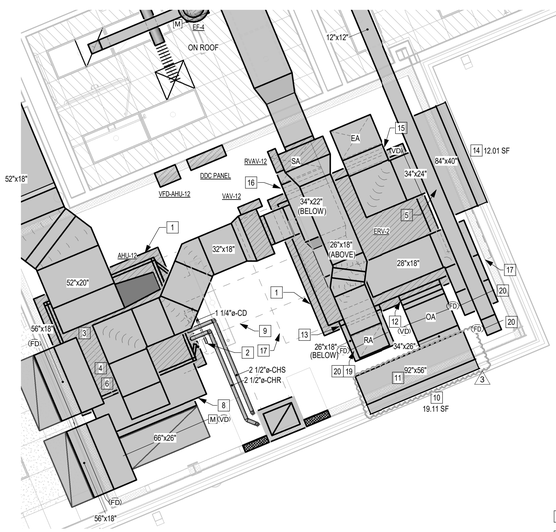
1 ENLARGED MECHANICAL ROOM MK
M3.01 1/4" = 1'-0"



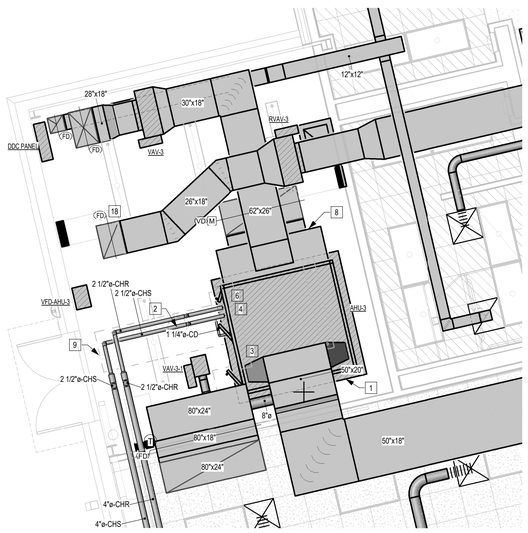
2 ENLARGED MECHANICAL ROOM M2
M3.01 1/4" = 1'-0"



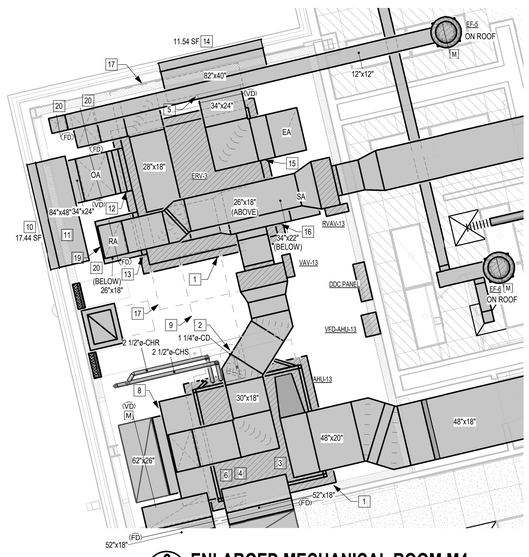
3 ENLARGED MECHANICAL ROOM M1
M3.01 1/4" = 1'-0"



4 ENLARGED MECHANICAL ROOM M3
M3.01 1/4" = 1'-0"



5 ENLARGED MECHANICAL ROOM M5
M3.01 1/4" = 1'-0"



6 ENLARGED MECHANICAL ROOM M4
M3.01 1/4" = 1'-0"

MECHANICAL GENERAL NOTES:

1. PROVIDE 6" TALL HOUSEKEEPING PAD AT ALL FLOOR MOUNTED EQUIPMENT UNLESS OTHERWISE INDICATED.
2. ALL EQUIPMENT AND DUCTWORK TO HAVE SUFFICIENT SPACE FOR MAINTENANCE AND REPAIR WORK.
3. USE BUTTERFLY AND BALL ISOLATION VALVES IN HOT WATER AND CHILLED WATER SYSTEMS.
4. USE BUTTERFLY VALVES IN CONDENSER WATER SYSTEMS.
5. PROVIDE DRAIN VALVES AT MAIN SHUT-OFF VALVE AND LOW POINTS OF PIPING AND APPARATUS SO THE SYSTEM CAN BE ENTIRELY DRAINED.
6. WHERE VALVES ARE INSTALLED IN ISULATED PIPE, VALVE OPERATOR SHALL HAVE AN INSERT SO THE LEVER OR HANDLE WILL NOT DAMAGE THE INSULATION. ISTALL HANDLES SO THE LEVER OR HANDLE WILL NOT DAMAGE THE INSULATION.
7. PROVIDE ACCESS WHERE VALVES ARE NOT EXPOSED.
8. PROVIDE AN ADDITIONAL FINE MESH DISPOSABLE STRAINER FOR USE DURING START UP OPERATIONS. REMOVE AFTER 30 DAYS OPERATION AND ALL FLUSHING IS COMPLETE.
9. PROVIDE STRAINER IN SUPPLY PIPING FOR ALL COIL CONNECTIONS.
10. PROVIDE PIPING SYSTEMS WITH LINE SIZE SHUTOFF VALVES LOCATED AT THE RISERS, AT MAIN BRANCH CONNECTIONS TO MAINS FOR EQUIPMENT, TO ISOLATE CENTRAL PLANT, AND OTHER LOCATIONS.
11. GUARANTEE DUCTWORK FOR 1 YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. THE GUARANTEE COVERS WORMANSHIP, NOISE, CHATTER, WHISTLING, OR VIBRATION. DUCTWORK SHALL BE FREE FROM PULSATION UNDER CONDITIONS OF OPERATION.
12. MINIMUM SIZE OF ACCESS DOOR SHALL BE 2" SMALLER THAN DUCT DIMENSION. CONSTRUCT ACCESS DOOR AIR TIGHT AND DEMONSTRATE SUITABILITY OF ACCESS FOR THE INTENDED PURPOSE. INSTALL MULTIPLE ACCESS DOORS AS REQUIRED.
13. KATY ISD MAY CHOOSE TO PRE-PURCHASE THE CENTRIFUGAL WATER CHILLERS SPECIFIED, OR CHOOSE TO HAVE THE CONTTRACTOR FURNISH THE EQUIPMENT.
14. PIPING AND DUCTWORK SHOWN ON PLAN ARE SCHEMATIC ONLY. COORDINATE WITH OTHER TRADES FOR PIPING AND DUCTWORK ROUTING. OFFSET AND RUN PIPING, DUCTWORK INSIDE THE STRUCTURE IF REQUIRED. PROVIDE ALL NECESSARY PIPING, DUCTWORK FITTINGS, INSULATION, AND OTHER ACCESSORIES IN ORDER TO COMPLETE THE INSTALLATIONS.
15. COORDINATE LOCATIONS OF ROOF AND WALL OPENINGS WITH ARCHITECT AND STRUCTURE ENGINEER.
16. EXACT LOCATIONS OF VAV BOXES, GRILLES, AND DAMPERS, SHALL BE FIELD COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS AND ALLOW ADEQUATE CLEARANCE AND EASY ACCESS.
17. EQUIPMENT SIZES, DIMENSIONS, AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE MANUFACTURER DRAWINGS AND CUTSHEETS BEFORE FABRICATION OF DUCTWORK, PIPING OR POURING OF CONCRETE HOUSEKEEPING PADS.
18. SHEETMETAL INLET DUCT TO VAV BOXS SHALL BE SAME SIZE IF THE DISTANCE BETWEEN MAIN DUCT AND VAV BOX IS MORE THAN 6'-0".
19. PROVIDE INSULATED ACCESS DOOR FOR DUCTWORK DOWNSTREAM FROM AIR HANDLING UNITS AND UPSTREAM OF VAV BOX AT EVERY 20'-0" TO FACILITATE DUCT CLEANING. PROVIDE ACCESS DOOR WITHIN 5'-0" OF EACH ELBOW. PROVIDE REMOVABLE END CAPS OF EACH MAIN DUCT RUN.
20. ALL MEDIUM PRESSURE DUCTWORK AND ASSOCIATED ACCESSORIES (UPSTREAM OF VAV BOXES) SHALL BE CONSTRUCTED TO MEET THE LATEST SMACNA STANDARDS FOR MEDIUM PRESSURE DUCTWORK.
21. DUCT SIZE SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS.
22. DIMENSION 23 MECHANICAL CONTROLS CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ACTUAL INSTALLATION OF TEMPERATURE AND HUMIDITY SENSORS.
23. C-CLAMPS SHALL NOT BE USED TO SUPPORT PIPING OR DUCTWORK FROM BOTTOM CHORD OF JOISTS. USE UNITRUT WITH THREADED RODS THROUGH THE SPACES TO SUPPORT PIPING AND DUCTWORK. COORDINATE SUPPORT METHOD WITH JOISTS MANUFACTURER.
24. PROVIDE REMOTE YOUNG REGULATOR FOR SP-IN CONNECTIONS AND VOLUME DAMPERS LOCATED OVER GYPSUM OR PLASTER CEILING.
25. NO PIPE HANGERS SHALL BE PLACED MORE THAN 10'-0". CONPLY WITH PIPE SPACING AS SPECIFIED IN THE PIPE SUPPORT SPECIFICATION.
26. HWS AND HWR PIPING CONNECTED TO EACH FAN POWERED VAV BOX OR SINGLE INLET VAV BOX SHALL BE 3/4" UNLESS OTHERWISE INDICATED ON PLAN.
27. INSTALL VAV BOXES TO ENSURE THAT ACCESS PANEL ARE NOT BLOCKED. ACCESS FOR SERVICE MUST BE PROVIDED. MAINTAIN AT LEAST 24" IN FRONT OF CONTROL ENCLOSURE.
28. PROVIDE AIRFOIL TURNING VANES IN ALL 90 DEGREE ELBOWS.
29. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL OUTSIDE AIR INTAKE TO MAINTAIN 20 FEET DISTANCE BETWEEN OUTSIDE AIR INTAKE AND ANY EXHAUST OUTLET, FLUE, OR PLUMBING VENT. COORDINATE WITH PLUMBING CONTRACTOR AND OTHER TRADES.
30. PROVIDE FLOAT VALVES / STILLING WELLS IN COOLING TOWER OR CONDENSER WATER BASINS FOR WATER LEVEL CONTROL. PROVIDE STILLING WELLS AROUND FLOAT TO PREVENT TURBULANCE RIPPLES OR WID FROM INTERFERENCE.
31. ALL RECTANGULAR AND SINGLE WALL ROUND DUCT, **EXCEPT DOUBLE WALL ROUND DUCT AND RETURN AIR BOOT**, SHALL BE EXTERNAL INSULATED.
32. PROVIDE A BLACK LABEL WITH WHITE LETTERING ON THE T-BAR CEILING GRID FOR ALL MECHANICAL EQUIPMENT.
33. PROVIDE A BLACK LABEL WITH WHITE LABEL ON THE T-BAR CEILING GRID FOR ALL ISOLATION VALVES.
34. PROVIDE MEANS TO CONNECT SUPPLY AND RETURN PIPES FOR FLUSHING AT ALL COILS. REFER TO SPECIFICATION 23 21 13 FOR PIPE CLEANING, FLUSHING AND PURGING REQUIREMENTS AND PROCEDURES.
35. COORDINATE LOCATION OF ALL WALL MOUNTED SENSORS WITH ELECTRICAL CONTRACTOR. PROVIDE RING AND STRING FROM BACKBOX TO ABOVE CEILING.

MECHANICAL KEYED NOTES:

1. PROVIDE 6" THICK HOUSEKEEPING PAD. PAD SIZE SHALL BE 6" LARGER THAN THE EQUIPMENT FOOT PRINT.
2. ROUTE 1-1/4" CONDENSATE DRAIN PIPE TO NEAREST FLOOR DRAIN. REFER TO PLUMBING DRAWING FOR FLOOR DRAIN LOCATION.
3. SUPPLY FAN SECTION.
4. CHILLED WATER COOLING COIL SECTION.
5. TAP EXHAUST AIR DUCT TO THE BACK OF EXHAUST AIR PLENUM. REFER TO FLOOR PLAN FOR SIZE.
6. PRE AND FINAL FILTER SECTION.
7. ROUTE RETURN AIR DUCT DOWN AND CONNECT TO THE TOP OF THE UNIT MIXING BOX. OUTSIDE AIR DUCT SHALL TAP THE SIDE OF THE RETURN AIR DUCT. PROVIDE VOLUME DAMPER AND MOTORIZED DAMPER IN RETURN AIR DUCTWORK UPSTREAM OF THE OUTSIDE AIR DUCT CONNECTION. REFER TO FLOOR PLAN FOR OUTSIDE AIR AND RETURN AIR DUCT SIZES. MIXING BOX SHALL BE SAME SIZE AS UNIT DIMENSIONS IN WIDTH AND HEIGHT, 36" LONG.
8. PROVIDE UNIT MIXING BOX. MIXING BOX SHALL BE SAME SIZE AS UNIT DIMENSIONS IN WIDTH AND HEIGHT, 30" LONG. RETURN AIR DUCT SHALL TAP THE BACK OF THE MIXING BOX AND TURN UP. PROVIDE VOLUME DAMPER AND MOTORIZED DAMPER IN VERTICAL SECTION OF RETURN DUCT. OUTSIDE AIR DUCT SHALL TAP THE TOP OF THE MIXING BOX. REFER TO FLOOR PLAN FOR OUTSIDE AIR AND RETURN AIR DUCT SIZES.
9. PROVIDE MINIMUM SERVICE CLEARANCE SHOWN WITH DASHED LINES AS RECOMMENDED BY THE AHU MANUFACTURER.
10. PROVIDE CONSTRUCTION SPECIALTIES, INC. MODEL DC-9614 OR APPROVED EQUAL OUTSIDE AIR INTAKE LOUVER. REFER TO FLOOR PLAN FOR MINIMUM FREE AREA. REFER TO ARCHITECT DRAWINGS AND SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND MOUNTING HEIGHTS. LOUVER SHALL BE HORIZONTAL BLADE TYPE AND AMCA 540/550 LISTED WITHOUT USE OF MOTORIZED DAMPER.
11. OUTSIDE AIR INTAKE PLENUM, FULL SIZE OF LOUVER DIMENSIONS IN WIDTH AND HEIGHT, 2'-0" LONG.
12. PROVIDE FLEXIBLE DUCT CONNECTION AT ERV OUTSIDE AIR INLET CONNECTION.
13. PROVIDE FLEXIBLE DUCT CONNECTION AT ERV RETURN AIR INLET CONNECTION.
14. PROVIDE CONSTRUCTION SPECIALTIES, INC. MODEL DC-9614 OR APPROVED EQUAL EXHAUST AIR LOUVER. REFER TO FLOOR PLAN FOR MINIMUM FREE AREA. REFER TO ARCHITECT DRAWINGS AND SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND MOUNTING HEIGHTS. LOUVER SHALL BE HORIZONTAL BLADE TYPE AND AMCA 540/550 LISTED WITHOUT USE OF MOTORIZED DAMPER.
15. PROVIDE FLEXIBLE DUCT CONNECTION AT ERV EXHAUST AIR DISCHARGE CONNECTION.
16. PROVIDE FLEXIBLE DUCT CONNECTION AT ERV OUTSIDE AIR DISCHARGE CONNECTION.
17. PROVIDE MINIMUM SERVICE CLEARANCE SHOWN WITH DASHED LINES AS RECOMMENDED BY THE ERV MANUFACTURER.
18. ROUTE RETURN AIR DUCT UP TO ERV IN SECOND FLOOR SERVICES ROOM. DUCT SIZE INDICATED ON PLAN. INSTALL FIRE DAMPER AT FLOOR PENETRATION.
19. ROUTE RETURN AIR DUCT FROM FLOOR BELOW INTO ERV.
20. CONTRACTOR SHALL PROVIDE A CURB AROUND FLOOR PENETRATION.

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PROFESSIONAL ENGINEER
1/15/2026

Project Issued: 12/09/2025

REVISIONS

Revision No.		Revision Date
3	Addendum 4	1/15/2026

Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
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SHEET TITLE
ENLARGED MECHANICAL ROOM PLANS

SHEET NO.
M3.01

New Elementary No. 49

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AIR DEVICE SCHEDULE

MARK	MFR. & MODEL	TYPE	REMARKS
A	TITUS - OMNI	24"x24" SQUARE FACE SUPPLY AIR GRILLE	STEEL CONSTRUCTION WITH FRAME FOR LAY-IN CEILING. ADJUSTABLE, HIGH PERFORMANCE, ROUND NECK.
B	TITUS - OMNI	24"x24" SQUARE FACE RETURN / EXHAUST AIR GRILLE	STEEL CONSTRUCTION WITH FRAME FOR LAY-IN CEILING . PROVIDE 15"Ø NECK OPEN TO PLENUM UNLESS OTHERWISE NOTED ON DRAWINGS. PROVIDE O.B.D. WHEN USED FOR DUCTED EXHAUST.
C	TITUS - OMNI	24"x24" SQUARE FACE SUPPLY AIR GRILLE	STEEL CONSTRUCTION WITH FRAME FOR GYPBOARD. ADJUSTABLE, HIGH PERFORMANCE, ROUND NECK.
D	TITUS - OMNI	24"x24" SQUARE FACE RETURN / EXHAUST AIR GRILLE	STEEL CONSTRUCTION WITH FRAME FOR GYPBOARD . PROVIDE 15"Ø NECK OPEN TO PLENUM UNLESS OTHERWISE NOTED ON DRAWINGS. PROVIDE O.B.D. WHEN USED FOR DUCTED EXHAUST.
E	TITUS 300RL	SIDEWALL SUPPLY AIR GRILLE	STEEL CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/4" BLADE SPACING, DOUBLE DEFLECTION WITH FRONT BLADES PARALLEL TO LONG DIMENSION. PROVIDE O.B.D.
F	TITUS 350RL	SIDEWALL RETURN AIR GRILLE	STEEL CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/4" BLADE SPACING, 35° DEFLECTION WITH BLADES PARALLEL TO LONG DIMENSION. PROVIDE O.B.D. FOR DUCTED EXHAUST.
G	TITUS - OMNI	12"x12" SQUARE FACE SUPPLY AIR GRILLE	STEEL CONSTRUCTION WITH FRAMETO MATCH CEILING TYPE. ADJUSTABLE, HIGH PERFORMANCE, ROUND NECK.
H	TITUS - OMNI	12"x12" SQUARE FACE RETURN / EXHAUST AIR GRILLE	STEEL CONSTRUCTION WITH FRAME FOR TO MATCH CEILING TYPE. PROVIDE 8"Ø NECK OPEN TO PLENUM UNLESS OTHERWISE NOTED ON DRAWINGS. PROVIDE O.B.D. WHEN USED FOR DUCTED EXHAUST.
J	TITUS ML-39 / MPI - 39	SUPPLY AIR LINEAR SLOT DIFFUSER	STEEL CONSTRUCTION CONCEALED MOUNTING, BOREDER TYPE 2A, 2B WITH FRAME FOR LAY-IN CEILING OR SURFACE MOUNT WITH 1-INCH SLOT SPACING WIDTH - FOUR SLOTS, 4'-0" LONG, INLET SIZE AND CFM IS INDICATED ON PLAN. PROVIDE WITH INSULATED PLENUM MPI-39.
K	TITUS 30 RL	HEAVY DUTY BAR RETURN AIR GRILLE	STEEL CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/8" BLADE SPACING, 0° FIXED DEFLECTION WITH BLADES PARALLEL TO LONG DIMENSION. PROVIDE O.B.D. FOR DUCTED RETURN.
L	TITUS MLR-39	RETURN AIR LINEAR SLOT DIFFUSER	STEEL CONSTRUCTION CONCEALED MOUNTING, BOREDER TYPE 2A, 2B WITH FRAME FOR LAY-IN CEILING OR SURFACE MOUNT WITH 1-INCH SLOT SPACING WIDTH - FOUR SLOTS, 4'-0" LONG.
M	TITUS ML-39 / MPI - 39	SUPPLY AIR LINEAR SLOT DIFFUSER	STEEL CONSTRUCTION CONCEALED MOUNTING, BOREDER TYPE 2A, 2B WITH FRAME FOR LAY-IN CEILING OR SURFACE MOUNT WITH 1-INCH SLOT SPACING WIDTH - FOUR SLOTS, 3'-0" LONG, 8" INLET, CFM IS INDICATED ON PLAN. PROVIDE WITH INSULATED PLENUM MPI-39.
N	TITUS ML-39 / MPI - 39	SUPPLY AIR LINEAR SLOT DIFFUSER	STEEL CONSTRUCTION CONCEALED MOUNTING, BOREDER TYPE 2A, 2B WITH FRAME FOR LAY-IN CEILING OR SURFACE MOUNT WITH 1-INCH SLOT SPACING WIDTH - THREE SLOTS, 4'-0" LONG, 6" INLET, CFM IS INDICATED ON PLAN. PROVIDE WITH INSULATED PLENUM MPI-39.
O	TITUS US300FL	SUPPLY AIR SPIRAL DUCT MOUNTED GRILLE	STEEL CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/4" BLADE SPACING, DOUBLE DEFLECTION WITH FRONT BLADES PARALLEL TO LONG DIMENSION. PROVIDE ASD-AIR SCOOP DAMPER / EXTRACTOR.
P	TITUS US8F	EXHAUST AIR SPIRAL DUCT MOUNTED GRILLE	STEEL CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/16" PERFORATED HOLES ON 1/4" STAGGERED CENTERS. PROVIDE BALANCING DAMPER.
Q	TITUS FL-10/FBPI-10	FLOWBAR SUPPLY AIR DIFFUSER	.1" SLOT WIDTH, 2-SLOT, 5'-0" LONG, JET THROW PATTERN ADJUSTABLE, SIDEWALL MOUNTED. PROVIDE FACTORY INSULATED PLENUM. REFER TO PLAN FOR INLET SIZES. BORDER TYPE 22.
R	TITUS R-OMNI	ROUND ADJUSTABLE PLAQUE SUPPLY AIR DIFFUSER	CIRCULAR SUPPLY AIR DIFFUSER, UNIFORM 360 DEGREE DISCHARGE PATTERN, COMPLETELY SMOOTH FACE WITH ADJUSTABLE IN THREE POSITIONS FOR HORIZONTAL OR VERTICAL FLOW.

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH.
2. REFER TO MECHANICAL FLOOR PLAN FOR NECK SIZES.
3. PROVIDE FRAME TO MATCH CEILING TYPE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND LIGHTING PLANS.

BOILER SCHEDULE

MARK	B-1	B-2
BOILER TYPE	CONDENSING	CONDENSING
FUEL	NATURAL GAS	NATURAL GAS
TYPE	GAS-FIRED DIRECT VENT	GAS-FIRED DIRECT VENT
INPUT MBH	2,500	2,500
OUTPUT MBH	2,350	2,350
WATER VOLUME - GALLONS	12.1	12.1
DESIGN FLOW RATE (GPM)	143.2	143.2
EWT/LWT (°F)	130/160	130/160
MAX. PRESSURE DROP (FT. HD.)	10	10
COMBUSTION AIR INLET SIZE (INCHES IN DIAMETER)	8	8
EXHAUST VENT SIZE (INCHES IN DIAMETER)	8" CAT. IV VENT	8" CAT. IV VENT
BLOWER MOTOR - HP	3	3
CONDENSATE DRAIN SIZE (INCHES IN DIAMETER)	3/4"	3/4"
MINIMUM GAS PRESSURE REQUIRED (INCHES W.C.)	3.5	4
MAXIMUM GAS PRESSURE ALLOWED (INCHES W.C.)	14	14
OVERALL DIMENSIONS - W x L x H	29 1/8" x 84" x 55"	29 1/8" x 84" x 55"
TOTAL FLA	36.6 @ 208V/NEC INCLUDING PUMP	36.6 @ 208V/NEC INCLUDING PUMP
VOLTS/ PHASE/ HERTZ FOR BOILER	208 / 1 / 60	208 / 1 / 60
CIRCULATING PUMP HEAD - FT OF H2O (INCLUDING PRIMARY HEAT EXCHANGER, MIXING VALVE AND PIPING)	36.9	36.9
CIRCULATING PUMP HP	2	2
CIRCULATING PUMP FLA	12	12
VOLTS/ PHASE/ HERTZ FOR CIRCULATING PUMP	208 / 1 / 60	208 / 1 / 60
UNIT WEIGHT (LBS)	2348	2,348
MANUFACTURER	RBI FUTERA FUSION XLF	RBI FUTERA FUSION XLF
MODEL NUMBER	2500	2,500
NOTES	1 THRU 14	1 THRU 14

NOTES:
1. BOILER MUST MEET LATEST LOW NOx REQUIREMENTS FOR TEXAS.
2. BOILER MANUFACTURER TO PROVIDE MAIN AND PILOT GAS PRESSURE REGULATORS.
3. BOILER MANUFACTURER SHALL PROVIDE WATER CIRCULATING PUMP WITH HP AS SCHEDULED.
4. PUMP POWER AND PUMP STARTER SHALL BE PROVIDED BY DIVISION 26. BOILER WILL CONTROL THE PUMP.
5. PROVIDE TWO POWER CONNECTIONS: ONE FOR BOILER AND ONE FOR CIRCULATING PUMP.
6. PROVIDE NEUTRAL LEG.
7. PROVIDE BOILER WITH ACID NEUTRALIZATION KIT, SUPPLIED BY BOILER MANUFACTURER, INSTALLED BY CONTRACTOR.
8. PROVIDE UNIT WITH ONBOARD HEATNET CONTROLS WITH OUTDOOR RESET, DOMESTIC WATER CONTROL, AND HYBRID SEQUENCING.
9. PROVIDE BOILER WITH OPERATING THERMOSTAT, 70 °F - 195 °F.
10. PROVIDE BOILER WITH HIGH LIMIT THERMOSTAT, MANUAL RESET 100 °F - 210 °F.
11. PROVIDE BOILER WITH HIGH PRESSURE SWITCH.
12. PROVIDE BOILER WITH AIR SWITCH, DIFFERENTIAL PRESSURE TYPE.
13. PROVIDE BOILER WITH COMBUSTION BLOWER, VARIABLE SPEED, 2500 WATTS.
14. PROVIDE BOILER PRESSURE VALVE, PRESSURE GAUGE, TEMP. GAUGE. THESE ITEMS SHALL BE SHIPPED LOOSE FOR FIELD INSTALLATION.

VAV BOX WITH HOT WATER COIL SCHEDULE

MARK	CFM		HOT WATER HEATING			INLET SIZE	VOLTS/ PHASE/ HZ	MFR	MODEL NO.
	MAX.	MIN.	BTUH	EWT / LWT	GPM				
VAVHW-10-1	1,635	490	52,974	150 / 130	5.3	14"Ø	24/1/60	TITUS	DESV-14

NOTES:
1. 24 VOLTS AC SHALL BE PROVIDED BY CONTROLS CONTRACTOR.
2. PROVIDE ISOLATION/BALANCING VALVE AS INDICATED ON DETAILS 5/M4.06 AND 6/M5.06. COIL KITS ARE NOT ACCEPTABLE. HOT WATER COIL FINS PER INCH SHALL NOT EXCEED 10 FPI.

100 PERCENT OUTSIDE AIR HANDLING UNIT SCHEDULE

MARK		OAHU-1	OAHU-2
SERVES		AHU-6	AHU-9 AND AHU-10
TYPE		MEZZANINE FLOOR MOUNTED HORZ DRAW-THRU	MEZZANINE FLOOR MOUNTED HORZ DRAW-THRU
SUPPLY AIR (CFM)		2,100	4,790
SUPPLY AIR MINIMUM (CFM)		630	1,845
OUTSIDE AIR (CFM)		2,100	4,790
OUTSIDE AIR MINIMUM (CFM)		630	1,845
SUPPLY AIR DISCHARGE DIRECTION (PER DIRECTION OF AIR...		FRONT	TOP
FAN TYPE		PLENUM	PLENUM
EXT. S.P. (IN. W.G.)		0.8	0.8
TOTAL S.P. (IN. W.G.)		3.09	3.09
DRIVE TYPE		DIRECT	DIRECT
VOLTS/PHASE/HERTZ		460 / 3 / 60	460 / 3 / 60
FAN BRAKE HORSEPOWER		1.46	3.54
FULL LOAD AMPS (FLA)		2.9	6.7
FAN MOTOR HORSEPOWER		2	5
APPROX. FAN RPM		2,272	2,342
UNIT WEIGHT - LBS		1,440	2,170
PREHEAT COIL DATA	MAX. COIL FACE VELOCITY (FPM)	500	500
	HEATING COIL CFM	2,100	4,790
	MIN. ROWS/MAX. FINS PER INCH	1 / 11	1 / 11
	EAT (°F)	20	20
	LAT (°F)	57.4	55.2
	MINIMUM HEATING CAPACITY (MBH)	79.7	181.9
	TOTAL HEATING CAPACITY PROVIDE BY UNIT (MBH)	76.0	182.0
	EWT/LWT (°F)	150 / 130	150 / 130
	COIL WATER FLOW PROVIDED BY UNIT (GPM)	7.7	18.6
	ACTUAL WATER P.D. (FT. HD.)	1.4	2.0
	MAX WATER P.D. (FT. HD.)	10.0	10.0
COOLING COIL DATA	MAX. COIL FACE VELOCITY (FPM)	500	506
	COOLING COIL CFM	2,100	4,790
	MIN. ROWS	6	6
	MAX. FINS PER INCH	11	11
	EAT DB (°F)	98	98
	EAT WB (°F)	80	80
	OUTDOOR ENTHALPY (BTU / LB)	43.51	43.51
	LAT DB (°F)	52.1	52.1
	LAT WB (°F)	51.7	51.9
	AIR PRESSURE DROP (IN. W.G.)	1.25	1.42
	MINIMUM COOLING CAPACITY (MBH)	209.2	477.2
	TOTAL COOLING CAPACITY PROVIDED BY UNIT (MBH)	210.0	476.0
	MINIMUM SENSIBLE COOLING CAPACITY (MBH)	104.8	239.1
	SENSIBLE COOLING CAPACITY PROVIDED BY UNIT (MBH)	109.0	249.0
	EWT/LWT (°F)	42 / 58	42 / 58
	COIL WATER FLOW PROVIDED BY UNIT (GPM)	26.1	59.5
	ACTUAL WATER P.D. (FT. HD.)	8.5	8.6
	MAX WATER P.D. (FT. HD.)	10.0	10.0
FILTER DATA	POSITION	ANGLE	ANGLE
	TYPE	MINI-PLEATED DISPOSABLE	MINI-PLEATED DISPOSABLE
	THICKNESS - INCHES	2	2
	MINIMUM MERV RATING	13	13
MANUFACTURER		JCI	JCI
MODEL NUMBER		SOLUTION XTI 33x39	SOLUTION XTI 36x63
NOTES		1, 2, 3, 4, 5, 7	1, 2, 3, 4, 6, 7

NOTES:
1. ACCEPTABLE MANUFACTURERS: , CARRIER, YORK.
2. EXTERNAL STATIC PRESSURE DOES NOT ACCOUNT FOR LOSSES DUE TO COIL(S), FILTERS, HOUSING, NOR ACCESSORIES.
3. DIRTY FILTER ALLOWANCE AT 0.5 INCH W.G. IN ADDITION TO CLEAN FILTER PRESSURE DROP NEED TO BE INCLUDED IN THE SUPPLY FAN TOTAL PRESSURE DROP CALCULATION.
4. PROVIDE UNIT WITH 2-WAY CONTROL VALVE FOR CHILLED WATER COOLING COIL.
5. PROVIDE UNIT WITH 2-WAY CONTROL VALVE FOR HOT WATER HEATING COIL.
6. PROVIDE UNIT WITH 3-WAY CONTROL VALVE FOR HOT WATER HEATING COIL.
7. PROVIDE WITH 304 STAINLESS STEEL COOLING COIL CASING.

WATER COOLED CHILLER SCHEDULE

MARK	WCH-1	WCH-2
COMPRESSOR TYPE	MAG-BEARING CENTRIFUGAL	MAG-BEARING CENTRIFUGAL
DESIGN		
COOLING CAPACITY (TONS)	250	250
KW	168.3	168.3
FULL LOAD EFFICIENCY @ AHRI - KW/TON	0.6300	0.6300
IPLV @ AHRI - KW/TON	0.3905	0.3905
LOW VOLTAGE AFD TYPE	LIQUID COOLED VSD W/STANDARD...	LIQUID COOLED VSD W/STANDARD...
OPERATING WEIGHT - POUNDS	11,533	11,533
COOLER		
DESIGN FLOW RATE (GPM)	373.9	373.9
MINIMUM FLOW RATE (GPM)	166.2	166.2
ENTERING WATER TEMPERATURE (°F)	58	58
LEAVING WATER TEMPERATURE (°F)	42	42
PRESSURE DROP (FT. H2O W.G.)	4.0	4.04
PRESSURE DROP (FT. H2O W.G.) MAX.	10.0	10
FLUID TYPE	WATER	WATER
FOULING FACTOR (HR-SQFT-F)/BTU	0.0001	0.0001
NUMBER OF PASSES	2	2
REFRIGERANT TYPE	R-513A	R-513A
TUBING THICKNESS (INCH)	0.025	0.025
REFRIGERANT CHARGED - POUNDS	568	568
CONDENSER		
DESIGN FLOW RATE (GPM)	750	750
ENTERING WATER TEMPERATURE (°F)	86	86
LEAVING WATER TEMPERATURE (°F)	96	96
PRESSURE DROP (FT. H2O W.G.)	15.4	15.4
TUBING THICKNESS (INCH)	0.025	0.025
NUMBER OF PASSES	2	2
FOULING FACTOR (HR-SQFT-F)/BTU	0.00025	0.00025
MOTOR		
MCA (AMPS)	276	276
MOCP (AMPS)	450	450
MOTOR STARTER TYPE	VSD WITH FILTER	VSD WITH FILTER
VOLTS/PHASE/HERTZ	480 / 3 / 60	480 / 3 / 60
MANUFACTURER	YORK	YORK
MODEL NUMBER	YMC2-S0879BAS	YMC2-S0879BAS
NOTES	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6

NOTES:
1. REFER TO ALTERNATE PROPOSAL FORM 3 FOR ALTERNATES.
2. ACCEPTABLE MANUFACTURERS (TRANE), CARRIER, YORK.
3. PROVIDE WITH 65K AMP SCCR CONTROL PANEL AND INTEGRAL CIRCUIT BREAKER.
4. PROVIDE WITH CONTROL TRANSFORMER.
5. PROVIDE SPRING-LOADED RE-SEATING RELIEF VALVE FOR REFRIGERANT RELIEF.
6. PROVIDE CHILLER WITH STANDARD WATER BOX WITH ACCESS DOORS (HINGED) FOR EASE OF MAINTENANCE AND CLEANING TUBES ON BOTH ENDS OF THE CONDENSER AND EVAPORATOR SHELL.

FAN COIL UNIT SCHEDULE

MARK		FCU-1	FCU-2
LOCATION		CENTRAL PLANT	CENTRAL PLANT
SERVES		CENTRAL PLANT	CENTRAL PLANT
TYPE		HORIZONTAL SUSPENDED FROM STRUCTURE	HORIZONTAL SUSPENDED FROM STRUCTURE
FAN TYPE		DIRECT DRIVE ECM	DIRECT DRIVE ECM
SUPPLY AIR (CFM)		2,235	2,235
OUTSIDE AIR (CFM)		0	0
EXT. S.P. (IN. W.G.)		0.50	0.50
TOTAL S.P. (IN. W.G.)		1.33	1.33
VOLTS/PHASE/HERTZ		480 / 3 / 60	480/3/60
FAN MOTOR HORSEPOWER		1 1/2	1 1/2
APPROX. FAN RPM		1,350	1,350
FAN MOTOR FULL LOAD AMPS		2.2	2.2
MCA (MINIMUM CIRCUIT AMPACITY)		2.8	2.8
MSCP		15.0	15.0
FAN TYPE		FORWARD CURVE	FORWARD CURVE
WEIGHT		347	347
COOLING COIL DATA	MAX. COIL FACE VELOCITY (FPM)	500	500
	COOLING COIL CFM	2,235	2,235
	MIN. ROWS/MAX. FINS PER INCH	4/12	4/12
	EAT DB/WB (°F)	74.8 / 61.1	74.8 / 61.1
	LAT DB/WB (°F)	52.6 / 51.2	52.6 / 51.2
	MINIMUM TOTAL COOLING CAPACITY (MBH)	57.7	57.7
	TOTAL COOLING CAPACITY BY UNIT (MBH)	62.0	62.0
	MINIMUM SENSIBLE COOLING CAPACITY (MBH)	51.8	51.8
	SENSIBLE COOLING CAPACITY BY UNIT (MBH)	54.5	54.5
	EWT/LWT (°F)	42 / 58	42 / 58
	COIL WATER FLOW (GPM)	7.7	7.7
	ACTUAL WATER P.D. (FT. HD.)	4.95	4.95
	MAX. WATER P.D. (FT. HD.)	10	10
HEATING COIL DATA	MAX. COIL FACE VELOCITY (FPM)	500	500
	LOCATION	RE-HEAT	RE-HEAT
	HEATING COIL CFM	2,235	2,235
	EAT (°F)	68.9	68.9
	LAT (°F)	84.5	84.5
	MINIMUM TOTAL HEATING CAPACITY (MBH)	37.8	37.8
	TOTAL HEATING CAPACITY PROVIDED BY UNIT (MBH)	54.6	54.6
	EWT/LWT (°F)	150 / 130	150 / 130
	COIL WATER FLOW (GPM)	3.8	3.8
MANUFACTURER		JCI	JCI
MODEL NUMBER		AHD20	AHD20
NOTES		1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6

NOTES:
1. EXTERNAL STATIC PRESSURE DOES NOT ACCOUNT FOR LOSSES DUE TO COIL(S), FILTERS, HOUSING, NOR ACCESSORIES.
2. PROVIDE CHILLED WATER COILS WITH 2-WAY AUTOMATIC CONTROL VALVES.
3. PROVIDE HOT WATER COILS WITH 2-WAY AUTOMATIC CONTROL VALVES.
4. PROVIDE UNIT WITH STAINLESS STEEL DRAIN PAN.
5. PROVIDE UNIT WITH FAN CONTROL CAPABLE OF RECEIVING A 0-10 VDC SIGNAL FROM THE BAS TO ADJUST THE FAN SPEED.
6. PROVIDE UNIT WITH 2" MERV 8 FILTERS.

COOLING TOWER SCHEDULE

MARK	CT-1
TYPE	CROSSFLOW
MATERIAL	STAINLESS STEEL
CTI CERTIFIED	YES
NUMBER OF CELLS	2
CAPACITY EACH CELL (TONS)	250
TOTAL CAPACITY FOR TWO CELLS (TONS)	500
TOTAL HEAT REJECTION FOR TWO CELLS (MBH)	6,000
GPM EACH CELL	750
TOTAL GPM FOR TWO CELLS	1,500
FAN MOTOR HORSEPOWER EACH CELL	7.5
FAN SPEED RPM	287
FAN MOTOR SPEED RPM	1,200
EWT (°F)	96
LWT (°F)	86
AMBIENT AIR WB (°F)	80
ASHRAE 90.1 PERFORMANCE (GPM/HP)	131.0
AIRFLOW PER CELL (CFM)	65,650
TOTAL AIRFLOW FOR TWO CELLS (CFM)	131,310
STATIC LIFT - FEET	12.2
EVAPORATED WATER RATED (GPM)	15
BASIN HEATER KW PER CELL BASED ON 24.3 ° F AMBIENT	4.5
VOLTS/PHASE/HERTZ	480 / 3 / 60
TOTAL 2 CELLS MAX. OPERATING WEIGHT (LBS)	31,000
TOTAL 2 CELLS WITH OPTIONS - WIDTH (FT) x LENGTH (FT) x HEIGHT (FT)	18'-2" x 17'-1" x 11'-11"
CLEARANCE FROM SOLID WALL - FEET	4.40
CLEARANCE FROM 50% OPEN WALL - FEET	3.00
SINGLE CELL SOUND PRESSURE LEVEL AT 50 FT FROM AIR INLET FACE - dBA	54
MANUFACTURER	MARLEY NC8400
MODEL NO.	NC8403MLN2
NOTES	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

NOTES:
1. ACCEPTABLE MANUFACTURERS: MARLEY, BAC, AND EVAPCO ONLY. PROVIDE CROSSFLOW TYPE COOLING TOWER. COUNTERFLOW IS NOT ACCEPTABLE.
2. PROVIDE 10 YEAR PARTS AND LABOR WARRANTY.
3. PROVIDE VFD FOR EACH TOWER FAN MOTOR.
4. PROVIDE 304 STAINLESS STEEL CASING, STAINLESS STEEL STRUCTURE, AND 316 STAINLESS STEEL COLLECTION BASIN.
5. PROVIDE TOWER WITH SINGLE BOTTOM INLET WITH FACTORY-INSTALLED, SELF-BALANCING, INTERNAL CONDENSER WATER DISTRIBUTION PIPING.
6. PROVIDE TOWER WITH FAN MOTOR OUTSIDE OF AIR STREAM.
7. PROVIDE TOWER WITH 304 STAINLESS STEEL FAN DECK WALKWAY AND GALVANIZED STEEL SAFETY HANDRAIL AROUND THE PERIMETER OF THE FAN DECK.
8. PROVIDE TOWER WITH (2) GALVANIZED STEEL LADDERS, LADDER EXTENSIONS, AND SAFETY CAGES.
9. PROVIDE TOWER WITH (2) INTERNAL MOTOR ACCESS PLATFORMS AND ONE DAVIT FOR EACH CELL.
10. PROVIDE TOWER WITH MANUAL RESET LOW VOLTAGE VIBRATION CUTOFF SWITCHES, LOW VOLTAGE OIL LEVEL SWITCHES, AND BASIN WATER HEATERS.
11. PROVIDE TOWER WITH (2) 1 INCH WATER MAKE-UP FLOAT VALVE.
12. COOLING TOWER SYSTEM MUST ACCOMMODATE FLOW RATES DOWN TO 50% OF DESIGN FLOW.
13. ALL BOLTS ON CONDENSOR WATER SYSTEM SHALL BE STAINLESS STEEL FROM COOLING TOWER TO PUMPS.
14. PROVIDE MINIMUM 4'-0" DOOR FOR COOLING TOWER ACCESS.
15. EXTERNAL MOTOR SUPPORT SHALL INCLUDE BUMPER STRIP AROUND BOTTOM PERIMETER TO PROTECT PERSONNEL FROM ACCIDENTAL IMPACT TO SHARP EDGES.

EXPANSION TANK SCHEDULE

MARK	EXT-1	EXT-2
TYPE	ASME RATED PRECHARGED BLADDER-TYPE	ASME RATED PRECHARGED BLADDER-TYPE
TANK CONFIGURATION	VERTICAL FLOOR MOUNTED	VERTICAL FLOOR MOUNTED
LOCATION	CENTRAL PLANT A102	CENTRAL PLANT A102
SERVES	CHILLED WATER SYSTEM	HOT WATER SYSTEM
FLUID TYPE	CHILLED WATER	HOT WATER
MANUFACTURER	BELL & GOSSETT	BELL & GOSSETT
MODEL NUMBER	B-600	B-800
TANK CAPACITY - GALLONS	158	211
TANK DIAMETER - INCHES	24.0	30.0
TANK HEIGHT - INCHES	63 3/4"	81 3/4"
WORKING PRESSURE - PSI	125.0	125.0
ASME CERTIFIED, U-STAMPED VESSEL	YES	YES
WEIGHT (LBS)	510	656
NOTES	1 THRU 5	1 THRU 5

NOTES:
1. PROVIDE TANK WITH REPLACEABLE HEAVY DUTY BUTYL RUBBER BLADDER.
2. TANK IS FACTORY PRE-CHARGED AT 12 PSI.
3. PROVIDE TANK WITH SIGHT GLASS AND SEISMIC RESTRAINT.
4. ALLOW A MINIMUM OF 18" CLEARANCE FOR SYSTEM PIPING.
5. PROVIDE TANK WITH LIFTING RINGS AND A FLOOR MOUNTING SKIRT FOR VERTICAL INSTALLATION.

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1/15/2026

KATY ISD
KATY, TEXAS

Project Issued: 12/09/2025

REVISIONS

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Director Charles Johnson
Proj. Arch. Casey Palmer

PROJECT NO.
24-102.00

SHEET TITLE
MECHANICAL SCHEDULES

SHEET NO.
M4.03

New Elementary No. 49

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TECHNOLOGY KEYED NOTES

T1.3 APPROXIMATE LOCATION OF POLE MOUNTED CAMERA. PROVIDE ONE (1) 2-STRAND OM4 OSP FIBER IN ONE (1) 1-IN CONDUIT TO NEAREST MDF/IDF ROOM. TERMINATE CABLE WITH LC CONNECTORS IN A SURFACE MOUNT BOX AND PROVIDE MEDIA CONVERTER AT BOTH ENDS.

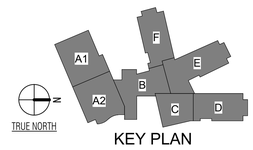
T2.5 PROVIDE TWO (2) 4-INCH UNDERGROUND CONDUITS WITH 1800 LB TESTED PULL CORD IN EACH FOR COMMUNICATIONS SERVICES.

T2.9 PROVIDE A 24" W X 36" L X 36" D COMMUNICATIONS HANDHOLE OF HS-20 RATING WITH LOCKABLE COVER STENCILED WITH "COMMUNICATIONS" MOUNTED FLUSH WITH FINISHED GRADE FOR SERVICE PROVIDER SECONDARY ENTRY.

T2.10 PROVIDE A 36" W X 36" L X 36" D COMMUNICATIONS HANDHOLE OF HS-20 RATING WITH LOCKABLE COVER STENCILED WITH "COMMUNICATIONS" MOUNTED FLUSH WITH FINISHED GRADE FOR SERVICE PROVIDER MAIN ENTRY.

T2.13 PROVIDE TWO (2) 2-INCH CONDUITS TO NEAREST IDF ROOM FOR COMMUNICATIONS AND SECURITY SYSTEMS.

1 T1.01 **TECHNOLOGY SITE PLAN**
1" = 30'-0"



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1/15/2026

Project Issued: 12/09/2025

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3	Addendum 4	1/15/2026

Director Charles Johnson
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SHEET TITLE
TECHNOLOGY SITE PLAN

SHEET NO.
T1.01

KATY ISD
KATY, TEXAS

New Elementary No. 49

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1 T2.11A1 **TECHNOLOGY PLAN - LEVEL ONE - UNIT A1**

1/8" = 1'-0"

TECHNOLOGY GENERAL NOTES

1. REFERENCE TS2.01 FOR CABLE ORIGINATION POINT FOR ALL STRUCTURED CABLING OUTLETS SHOWN ON THIS PLAN
2. REFERENCE SPECIFICATIONS FOR MATERIALS AND METHODS.
3. COMPLETE INSTALLATION OF ALL PRODUCTS SHALL BE IN COMPLIANCE WITH ALL CODES, INDUSTRY STANDARDS, COMMON PRACTICES AND MANUFACTURER'S INSTRUCTIONS.
4. THE INTERACTIVE WHITEBOARD, CEILING MOUNTED PROJECTOR, INTEGRATED FLAT PANEL MONITORS, AND SECURITY CAMERAS SHALL BE PROVIDED AND INSTALLED BY OWNER, SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATING OF EXACT MOUNTING LOCATION WITH THE OWNER FOR PROPER PLACEMENT OF THE CABLE INFRASTRUCTURE AND MOUNTING HARDWARE, REFERENCE DIVISION 11 SPECIFICATIONS. CONTRACTOR IS TO HANDLE CABLING PER SPECIFICATION 27 15 16.
5. CONTRACTOR IS TO PROVIDE STI PROTECTIVE WIRE CAGE FOR NON-VIDEO SURVEILLANCE DEVICES INSTALLED IN CAFETERIA/GYM. COORDINATE WITH OWNER FOR EXACT DEVICES TO BE PROTECTED.
7. ALL ACCESS CONTROLLED DOORS ARE TO BE LABELED. COORDINATE WITH OWNER FOR LABELING SCHEME
8. COORDINATE EXACT DATA DROP LOCATIONS WITH FINAL FURNITURE/CASEWORK LAYOUT. CONFIRM WITH ARCHITECT AND OWNER PRIOR TO ROUGH IN

3

TECHNOLOGY KEYED NOTES

T5.13 DATA OUTLET DEDICATED FOR EMPLOYEE TIME-IN/TIME-OUT TO BE MOUNTED 42"-A.F.F..

T5.15 THE DESIGNATED TECHNOLOGY OUTLET IS INTENDED FOR THE BUILDING AUTOMATION SYSTEM (BAS) NETWORK INTERFACE. COORDINATE EXACT MOUNTING LOCATION AND TERMINATIONS WITH THE BAS INSTALLER.

T5.17 LOCAL SOUND SYSTEM CONTROL PANEL. PROVIDE BACKBOX AT 42" A.F.F. REFERENCE SPECIFICATIONS FOR MORE DETAILS. PROVIDE LOCKING PROTECTIVE COVER STI 7510C OR EQUIVALENT.

T5.19 INDICATES APPROXIMATE LOCATION OF MAIN BAS PANEL. INTRUSION DETECTION CONTRACTOR TO ROUTE CABLE TO PANEL AND PROVIDE DRY CONTACT OUTPUT TO INDICATE INTRUSION SYSTEM STATUS TO BAS PANEL. COORDINATE WITH BAS PANEL CONTRACTOR ON DETAILS AND FINAL LOCATION.

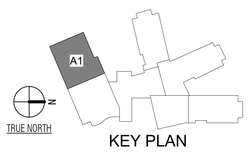
T5.22 INDICATED CARD READER TO BE CONNECTED TO INTRUSION DETECTION SYSTEM FOR SYSTEM ARMING PURPOSES.

T5.26 INDICATED DOOR TO RECIEVE QEL ELECTRIFIED HARDWARE ON THE INACTIVE LEAF.

T5.28 INDICATED VIDEO INTERCOM DOOR STATION IS TO BE INTERGRATED WITH KITCHEN BELL. KITCHEN BELL IS TO RING UPON ACTIVATION OF DOOR STATION. COORDINATE WITH THE OWNER FOR EXACT REQUIREMENTS.

T5.36 INDICATES LOCATION OF CEILING MOUNTED MENU BOARD. PROVIDE LEGRAND CHIEF CMS445P2 SUSPENDED CEILING TILE REPLACEMENT KIT (OR APPROVED EQUIVALENT) DATA DROP AND POWER ARE TO BE INSTALLED IN CEILING PLATE.

T5.38 PROVIDE REMOTE BLUETOOTH ANTENNAE TO BE MOUNTED BELOW JOIST IN THE CENTER OF THE GYMNASIUM.



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KATY ISD
KATY, TEXAS

Project Issued: 12/09/2025

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3 Addendum 4	1/15/2026

Director Charles Johnson
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SHEET TITLE
LEVEL 1 TECHNOLOGY PLAN - AREA A1

SHEET NO.
T2.11A1

New Elementary No. 49

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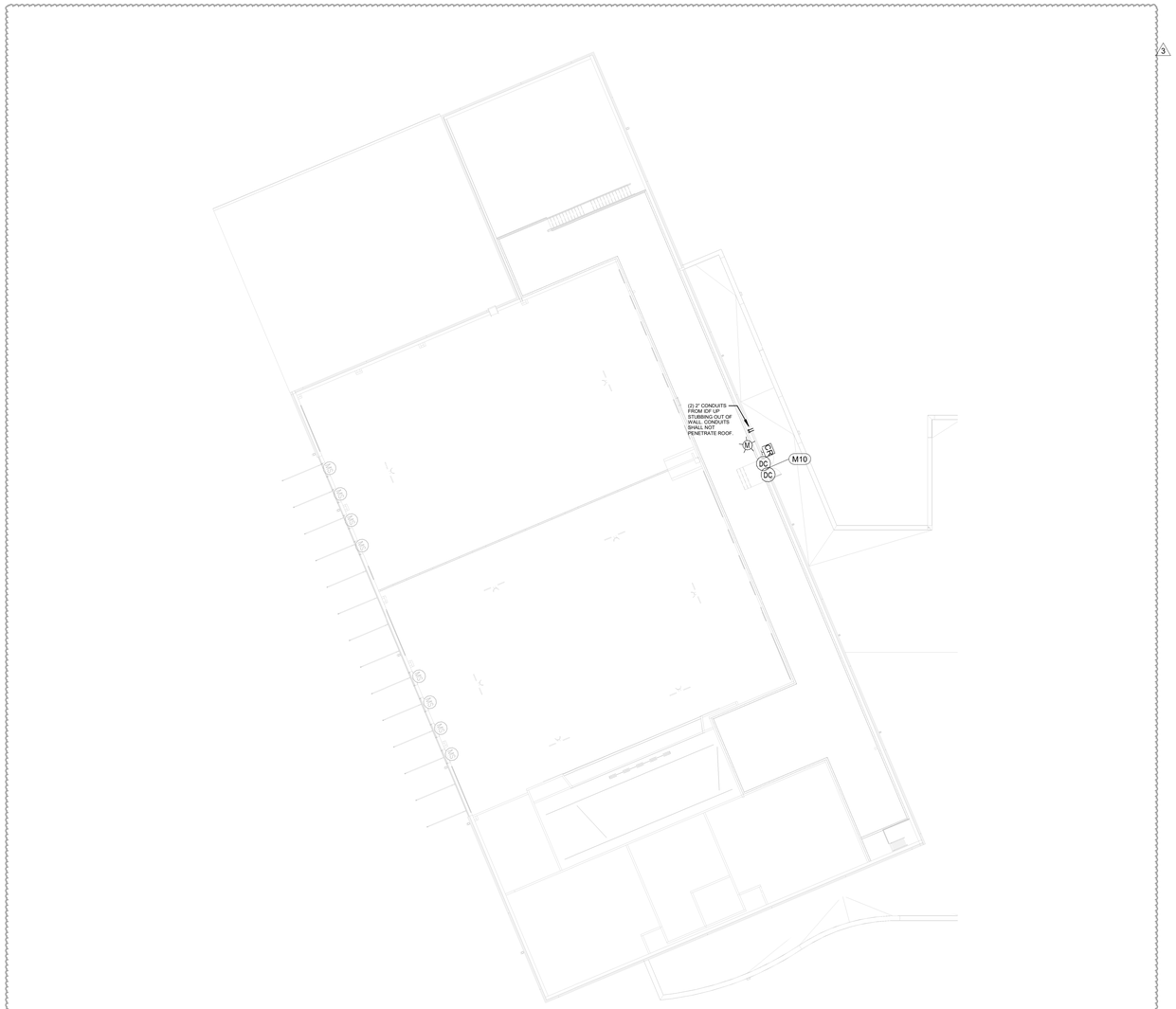
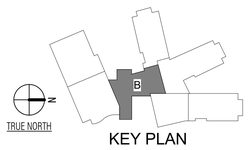


1 T2.12A LEVEL 2 TECHNOLOGY FLOOR PLAN - AREA 'A'

1/16" = 1'-0"



TRUE NORTH

KEY PLAN

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SHEET TITLE
LEVEL 2 TECHNOLOGY PLAN - AREA A

SHEET NO.
T2.12A

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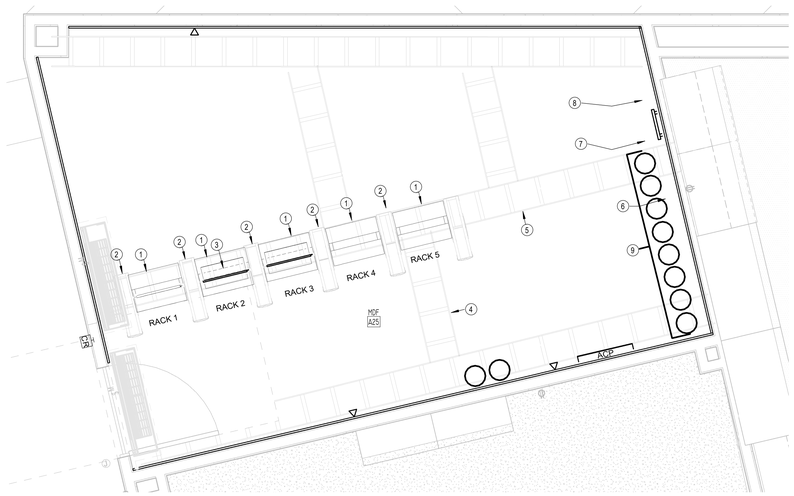
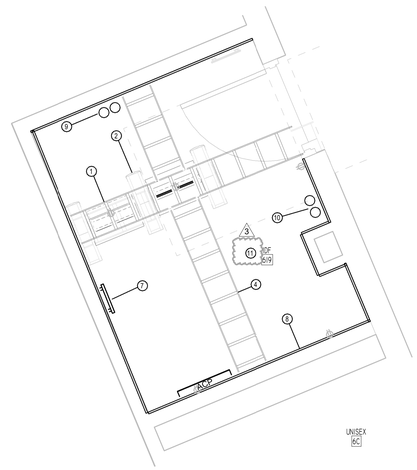
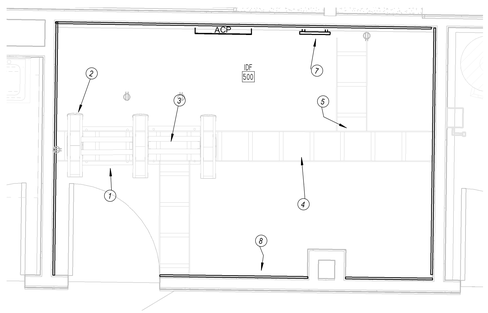


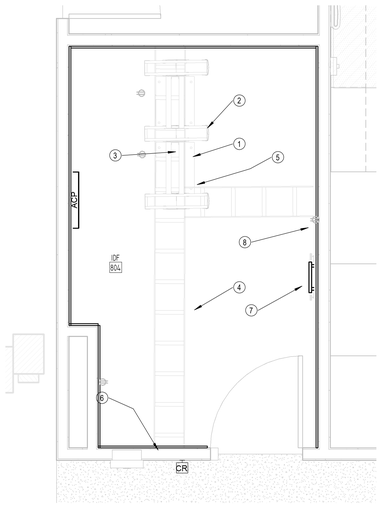
1 Level 1 Technology MDF A25
TS3.01 — 1/2" = 1'-0"



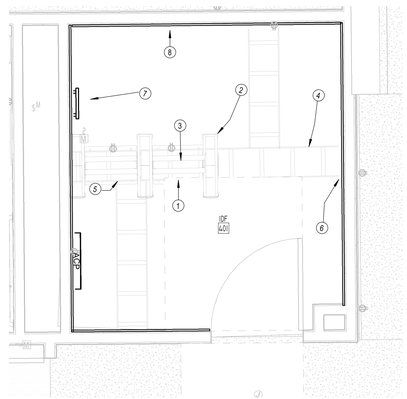
2 Level 1 Technology IDF 619
TS3.01 — 1/2" = 1'-0"



3 Level 1 Technology IDF 501
TS3.01 — 1/2" = 1'-0"



4 Level 1 Technology IDF 804
TS3.01 — 1/2" = 1'-0"



5 Level 2 Technology IDF 401
TS3.01 — 1/2" = 1'-0"

TRUE NORTH

MDF/IDF ENLARGED LAYOUT KEYED NOTES

1. PROVIDE AND INSTALL ONE (1) 2-POST, FLOOR MOUNTED, 7' RELAY RACK (BLACK IN COLOR). PROVIDE BONDING WASHERS, BOLTS, AND NUTS AT ALL MECHANICALLY CONNECTED LOCATIONS OF THE RACK TO INSURE THAT ALL PIECES OF THE RACK ARE COMPLETELY BONDED. SCRAPING PAINT FROM RACKS TO MAKE A BOND WILL NOT BE ACCEPTED. ALL RACK MOUNTED COMPONENTS SHALL BE MOUNTED WITH BONDING SCREWS AND THE CONTRACTOR SHALL PROVIDE THE OWNER WITH (50) ADDITIONAL BONDING SCREWS FOR THE INSTALLATION OF OWNER EQUIPMENT. NO DAISY CHAINING GROUNDS FROM RACK TO CABLE TRAY OR TO OTHER RACKS WILL BE ACCEPTED. ALL GROUNDS SHALL BE HOME RUN TO THE TELECOMMUNICATIONS GROUND BUS BAR (TGBB). TYPICAL FOR ALL SHOWN ON THE ENTIRE PROJECT.
2. PROVIDE AND INSTALL ONE (1) 7'X6", FRONT AND REAR MANAGED, VERTICAL CABLE MANAGER (BLACK IN COLOR). CABLE MANAGERS SHALL BE INSTALLED ON EACH END OF THE RACK SYSTEMS AND BETWEEN EACH RACK. CABLE MANAGERS SHALL HAVE A SINGLE, SOLID, FULL HEIGHT HINGED DOOR IN THE FRONT AND WIDE SPACED CABLE RINGS WITH SPIN-OPEN LATCHES IN THE REAR. TYPICAL FOR ALL SHOWN ON THE ENTIRE PROJECT.
3. PROVIDE AND INSTALL RACK-TO-RUNWAY MOUNTING PLATE TO FOR ALL LOCATIONS WHEN ASSOCIATED WITH A 2-POST OR 4-POST BACK RACK. MOUNTING PLATE SHALL BE BLACK IN COLOR. PROVIDE (1) 6" LADDER TRAY ELEVATION KIT (BLACK IN COLOR) AT EACH RACK-TO-RUNWAY MOUNTING PLATE LOCATION.
4. PROVIDE AND INSTALL A 12" WIDE, UNIVERSAL LADDER TRAY AND ALL REQUIRED MOUNTING HARDWARE. LADDER TRAY SHALL BE BLACK IN COLOR. TYPICAL FOR ALL SHOWN ON ENTIRE PROJECT.
5. PROVIDE AND INSTALL A LADDER TRAY JUNCTION SPLICE KIT, BLACK IN COLOR. PROVIDE ONE (1) KIT AT EACH LADDER TRAY JUNCTION LOCATION ON THE ENTIRE PROJECT.
6. INDICATES THE LOCATION OF A 12" LADDER TRAY WALL ANGLE SUPPORT BRACKET, BLACK IN COLOR. CONTRACTOR TO PROVIDE AND INSTALL WALL ANGLE SUPPORT BRACKET AND ALL REQUIRED MOUNTING HARDWARE AT EACH LOCATION WHERE LADDER TRAY TERMINATES INTO A VERTICAL WALL SECTION. TYPICAL FOR ALL SHOWN.]
7. INDICATES THE LOCATION OF A NEW WALL MOUNTED TELECOMMUNICATION GROUND BUS BAR (TGBB). CABLING CONTRACTOR TO PROVIDE BUS BAR AND ALL REQUIRED MATERIAL TO MOUNT AT THE LOCATION SHOWN. TGBB TO BE MOUNTED AT + 93" A.F.F.
8. INDICATES THE LOCATION OF A 8" TALL, 3/4" FIRE RATED PLYWOOD CONTRACTOR TO PROVIDE AND INSTALL PLYWOOD AND ALL REQUIRED MOUNTING HARDWARE. PLYWOOD SHALL BE PAINTED WHITE WITH FIRE RATED PAINT. TYPICAL FOR ALL SHOWN ON DRAWING.
9. INDICATES STUB UP LOCATION OF SITE COMMUNICATIONS CONDUITS. CONDUIT TO STUB 8' ABOVE FINISHED FLOOR AND SHALL HAVE TERMINATION BUSHING AT EACH END, TO PREVENT DAMAGE TO CABLE. CONTRACTOR SHALL SEAL ALL USED AND UNUSED CONDUITS PRIOR TO PROJECT COMPLETION.
10. INDICATES STUB UP LOCATION OF (2) 2" CONDUITS FROM IDF 619 UP TO THE MEZZANINE LEVEL ABOVE. CONDUITS ARE TO STUB OUT OF THE BULDING ABOVE MEZZANINE EXIT DOOR. CONDUITS ARE NOT TO PENETRATE THE ROOF. PATHWAY IS RESERVED FOR OFCI CAMPUS RADIO SYSTEM ANTENNA. PROVIDE BELDEN 50-OHM 10AWG RG-8 WIRELESS TRANSMISSION COAX #9913.

3

3
11. INSTALL MOTOROLA MOTOTURBO SLR 5000 SERIES CAMPUS RADIO REPEATER IN INDICATED IDF ROOM. COORDINATE EXACT PLACEMENT WITH KISD PRIOR TO INSTALL.

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Director: Charles Johnson
Proj. Arch.: Casey Palmer

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TECHNOLOGY ENLARGED

SHEET NO.
TS3.01

KATY ISD
KATY, TEXAS

New Elementary No. 49

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