ADDENDUM NO. 6

FOR THE CONSTRUCTION OF

JEFFERSON ELEMENTARY SCHOOL RENOVATION
JEFFERSON CITY, TENNESSEE



November 13, 2026

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents, dated September 01, 2026, as noted above.

CHANGES TO THE PROJECT MANUAL

ITEM 1 **DELETE** "Section 00 41 13 – Bid Form" in its entirety.
ADD "Section 00 41 13 – Bid Form"

1. Added Unit Price Schedule to Bid Form

ITEM 2 **DELETE** "Section 01 22 00 – Unit Prices" in its entirety.
ADD "Section 01 22 00 – Unit Prices"

1. Revised Unit Price Quantities

ITEM 3 **ADD** Specification section "Section 07 71 23 – Manufactured Gutters and Downspouts".

ITEM 4 **DELETE** "Section 08 41 13 – Aluminum Framed Entrances and Storefronts" in its entirety.
ADD "Section 08 41 13 – Aluminum Framed Entrances and Storefronts"

1. Changed basis of design to YKK AP Series 35T Mega Therm.

ITEM 5 **ADD** Specification section 'Section 08 44 13 – Glazed Aluminum Curtainwalls".

ITEM 6 **ADD** Specification section "Section 32 17 23 – Pavement Markings".

CHANGES TO THE PROJECT DRAWINGS

ITEM 1 **DELETE** Sheet **"**C1.00 - Site Layout (issue date: 9/01/26)" in its entirety.
ADD Sheet **"**C1.00 - Site Layout (issue date: 11/03/26)"

1. Added plan notes to reflect addendum notes.

ITEM 2 **DELETE** Sheet **"**C2.00 - Site Grading & Drainage Plan (issue date: 9/01/26)" in its entirety.
ADD Sheet **"**C2.00 - Site Grading & Drainage Plan (revision 1 date: 11/03/26)".

1. Added plan notes to reflect addendum notes.

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ITEM 3 **ADD** Sheet **"**A0.2 - Site Details (revision 1 date: 11/03/26)".

ITEM 4 **DELETE** Sheet **"**A2.0 - Floor Plan (issue date: 9/01/26)" in its entirety.
ADD Sheet **"**A2.0 - Floor Plan (revision 1 date: 11/03/26)".

1. Replaced bleachers.

ITEM 5 **DELETE** Sheet **"**A2.5 - Enlarged Restroom Plans (issue date: 9/01/26)" in its entirety.
ADD Sheet **"**A2.5 - Enlarged Restroom Plans (revision 1 date: 11/03/26)".

1. Indicated urinal screens in boys restroom to reflect addendum notes.

ITEM 6 **DELETE** Sheet **"**A2.7 - Enlarged Restroom Plans (issue date: 9/01/26)" in its entirety.
ADD Sheet **"**A2.7 - Enlarged Restroom Plans (revision 1 date: 11/03/26)".

1. Indicated urinal screens in boys restroom to reflect addendum notes

ITEM 7 **DELETE** Sheet **"**A3.0 - Red & Orange Halls Reflected Ceiling Plan (issue date: 9/01/26)" in its entirety.
ADD Sheet **"**A3.0 - Red & Orange Halls Reflected Ceiling Plan (revision 1 date: 11/03/26)".

1. Boys & Girls ceilings change to acoustical tile ceiling panels and grid.

ITEM 8 **DELETE** Sheet **"**A3.1 - Blue Hall Reflected Ceiling Plan (issue date: 9/01/26)" in its entirety.
ADD Sheet **"**A3.1 - Blue Hall Reflected Ceiling Plan (revision 1 date: 11/03/26)".

1. Boys & Girls ceilings change to acoustical tile ceiling panels and grid.

ITEM 9 **DELETE** Sheet **"**A5.3 - Wall & High Canopy Sections (issue date: 9/01/26)" in its entirety.
ADD Sheet **"**A5.3 - Wall & High Canopy Sections (revision 1 date: 11/03/26)".

1. Changed cast-in-place concrete cap with machined finish to reflect addendum notes.

ITEM 10 **DELETE** Sheet **"**A5.4 - High Canopy Section (issue date: 9/01/26)" in its entirety.
ADD Sheet **"**A5.4 - High Canopy Section (revision 1 date: 11/03/26)".

1. Changed cast-in-place concrete cap with machined finish to reflect addendum notes.

ITEM 11 **DELETE** Sheet **“**A5.6 - Low Canopy Sections (issue date: 9/01/26)” in its entirety.
ADD Sheet **“**A5.6 - Low Canopy Sections (revision 1 date: 11/03/26)”.

1. Changed cast-in-place concrete cap with machined finish to reflect addendum notes.

ITEM 12 **DELETE** Sheet **“**A6.0 - Interior Elevations & Millwork (issue date: 9/01/26)” in its entirety.
ADD Sheet **“**A6.0 - Interior Elevations & Millwork (revision 1 date: 11/03/26)”.

1. Added reference to Janitor Storage to reflect addendum notes.

ITEM 13 **DELETE** Sheet **“**A8.0 - Door Schedule & Details (issue date: 9/01/26)” in its entirety.
ADD Sheet **“**A8.0 - Door Schedule & Details (revision 1 date: 11/03/26)”.

1. Revised Door Schedule to reflect addendum notes.

ITEM 14 **DELETE** Sheet **“**A9.0 - Room Finish Schedule (issue date: 9/01/26)” in its entirety.
ADD Sheet **“**A9.0 - Room Finish Schedule (revision 1 date: 11/03/26)”.

1. Revised Room Finish Schedule to reflect addendum notes.

ITEM 15 **DELETE** Sheet **“**E8.3 - Panelboard Schedules (issue date: 9/01/26)” in its entirety.
ADD Sheet **“**E8.3 - Panelboard Schedules (revision 1 date: 11/03/26)”.

1. Street light additions.

ITEM 16 **DELETE** Sheet **“**ES1.0 - Site Plan Electrical (issue date: 9/01/26)” in its entirety.
ADD Sheet **“**ES1.0 - Site Plan Electrical (revision 1 date: 11/03/26)”.

1. Street light additions.

END OF ADDENDUM

November 9, 2026 - Addendum No. 4 Attachments:

Section 00 41 13 – Bid Form
Section 07 71 23 – Manufactured Gutters and Downspouts
Section 08 41 13 – Aluminum Framed Entrances and Storefronts
Section 08 44 13 – Glazed Aluminum Curtainwalls
Section 32 17 23 – Pavement Markings
Section 01 22 00 – Unit Prices
C1.00 - Site Layout
C2.00 - Site Grading & Drainage Plan
A0.2 - Site Details
A2.0 - Floor Plan
A2.5 - Enlarged Restroom Plans
A2.7 - Enlarged Restroom Plans
A3.0 - Red & Orange Halls Reflected Ceiling Plan
A3.1 - Blue Hall Reflected Ceiling Plan
A5.3 - Wall & High Canopy Sections
A5.4 - High Canopy Section
A5.6 - Low Canopy Sections
A6.0 - Interior Elevations & Millwork
A8.0 - Door Schedule & Details
A9.0 - Room Finish Schedule
E8.3 - Panelboard Schedules
ES1.0 - Site Plan Electrical

CLARIFICATIONS

1. Can you please provide specifications or a basis of design for the following items shown without specification sections: aluminum wall panel canopy and fascia (A4.0, A4.1); metal panel ceiling (A2.2); fabric-covered acoustical wall panels (A2.0 Keynotes 26, 34-36); gym backboards and retraction system, scoreboard and wall pads (Keynotes 25, 27, 33); room signage; expansion joint covers (Keynote 30); and galvanized extruded gutters (A2.1)?

   Response:

   - The aluminum wall panel canopy shown on 5/A4.0 and 3/A4.0 is removed from the scope of work.
   - Aluminum facia noted on Sheet A4.0 is replaced for Stucco (see sheets A5.0, A5.1, A5.2, A5.3, A5.5).
   - The existing metal canopy on 5/A4.0 noted “to remain” is now to be “removed and replaced in kind”.
   - There are no areas receiving the metal panel ceiling noted on A2.2.
   - The existing scoreboard, existing safety wall pads, existing gym backboards, existing retraction system, and any other wall or ceiling mounted gymnasium accessories and equipment are to be removed, stored and reinstalled after renovation.
   - Keynote 30 lists expansion joints in the sidewalk, not expansion joint covers.
   - Section “07 71 23 - Manufactured Gutters and Downspouts” has been added to this addendum.

2. The drawings call for building-wide window replacement, but there is no aluminum window specification section. Can you please confirm windows are to comply with Section 08 41 13, and define the "shatter-resistant" glazing noted on Sheet A8.2 (laminated glass or film, and performance)?

   Response: Specification “Section 08 44 13 - Glazed Aluminum Curtainwalls” has been added to this Addendum. “shatter-resistant” glazing refers to laminated glass with a security glazing film applied (where applicable). The Security glazing film is only applied to the exterior window glazing of classrooms type C and D, the library, and administrative windows. Security glazing film is applied to all building entry doors and sidelite glazing, and Door 104.

3. All the window elevations use curtainwall dimensioning (2-1/2” width for mullions), even though storefront is specified. I am going to price this job using Tubelite’s T14000 I/O 2” x 4-1/2” thermal, front-set storefront system based upon the design and what is specified.

   Response: Specification “Section 08 44 13 - Glazed Aluminum Curtainwalls” has been added to this Addendum. Basis-of-Design Product: The design for glazed aluminum curtain-wall systems is based on Kawneer 1600UT System 1 Curtain Wall, 2-1/2” sightline, 6” system depth with 1” double-pane infill.

4. All the details show curtainwall extrusions, but storefront is listed in the specs.

   Response: Specification “Section 08 44 13 - Glazed Aluminum Curtainwalls” has been added to this Addendum.

5. The window details (A8.3) indicate the metal is curtain wall (2 1/2" X 6'). However, the specifications in 08-41-13 section notes that the basis of design is Kawneer Trifab 451 (this is a 2 x 4 1/2" storefront metal. Not curtain wall). Which one should I bid? The metal color is to be selected by the Architect. It looks like dark bronze. Can you confirm? (A special painted metal is costly)

   Response: Specification “Section 08 44 13 - Glazed Aluminum Curtainwalls” has been added to this Addendum. Frame finish is clear anodized aluminum. Basis-of-Design Product: The design for glazed aluminum curtain-wall systems is based on Kawneer 1600UT System 1 Curtain Wall, 2-1/2” sightline, 6” system depth with 1” double-pane infill.

6. The storefront specifications are calling for 2” x 4-1/2” flush glaze system. The details on the drawings show curtain wall framing. For curtain wall, the framing depth would be 6”.

   Response: Specification “Section 08 44 13 - Glazed Aluminum Curtainwalls” has been added to this Addendum. Basis-of-Design Product: The design for glazed aluminum curtain-wall systems is based on Kawneer 1600UT System 1 Curtain Wall, 2-1/2” sightline, 6” system depth with 1” double-pane infill.

7. All of the storefront elevations on A8.1 and A8.2 call for “1” Insulated Shatter-Resistant Glazing” while the glass specified in Spec 088000 Section 2.9 calls for just regular 1”IG Solarban 60 units with 1/4" glass on the inboard lite. Spec 084113 Section 2.1B-1a calls for Kawneer 250 Series Standard Entrance Style Doors. The standard Kawneer doors are 190- Narrow Stile, 350- Medium Stile, and 500- Wide Stile.

   Response: “Shatter-resistant” glazing refers to laminated glass with a security glazing film applied (where applicable). The Security glazing film is only applied to the exterior window glazing of classrooms type C and D, the library, and administrative windows. Security glazing film is applied to all building entry doors and sidelite glazing, and Door 104. The basis of design will be Kawneer 350 Series Medium Stile Entrance Style doors.

8. Parts of the Site Grading plan show disturbance under areas which are currently playgrounds. Are the existing playgrounds to be demo 'ed as part of this work?

   Response: Site Grading at the playgrounds should allow for no playground demolition.

9. On page A2.5 I see the elevations have urinal screens but the enlarged plans don’t. Are there urial screens and if so, what are the dimensions needed and how many for each restroom. Maybe I missed an addendum page that had these labeled?

   Response: The urinal screens will be required. See revised A2.5 and A2.7 sheet for quantities and dimensions.

10. Can you also clarify the following: What room numbers are the bathrooms on page A2.6? For example, image 3 A2.6 looks like the restroom in Phase 2 and Phase 5 so is there really two of them that need to be taken off or just one? Same with 1 A2.6 is it just those two bathrooms or is that the image for the bathrooms in phase 4A and 3? Is bathroom 133 being renovated? I see it on the plan but there is no enlarged view of it.

    Response: Refer to the detail keys on A2.0 to determine which enlarged restroom plans are which. Bathroom 133 is being renovated, but it will no longer require a bathroom partition per this addendum.

11. Sheet A0.2 SITE DETAILS is listed in the drawing index and referenced on A0.1, but it is not included in the bid set. Please issue A0.2. Does it include chain link fence, gate, post footing, or building termination details?

    Response: Sheet A0.2 – Site Details has been included in this addendum.

12. There are 8 unit prices shown in the 01 22 00 Spec Section, 3 of which have a quantity of 0. None of these unit prices are shown on the bid form. Please advise what should be included in the base bid and if these rates will need to be listed in the bid packet.

    Response: Provide unit prices for all eight items listed on 01 22 00 regardless of quantity.

13. Section 01 22 00 states unit prices are to be included on the Bid Form; however, the Bid Form has no unit price lines. Can you please issue a revised Bid Form or confirm how unit prices are to be submitted?

    Response: Specification “00 41 13 – Bid Form” have been revised to include the unit price table and is included in this addendum.

14. There is no spec given for striping and parking lot accessories. Is this work in the contractor's scope?

    Response: Specification “Section 32 17 33 Pavement Markings” has been added to this addendum.

15. Requests of substitutions during the project bid phase:

    Response: Substitutions outside of manufactures listed in the specifications will not be considered during the project bid phase. Substitutions will only be considered per Section “00 73 00-2 Supplementary Conditions, 3.4 Labor and Materials” which states “A. Add the following to the end of subparagraph 3.4.2: After the Contract has been executed, the Owner and the Architect will consider a formal request for the substitution of products in place of those specified only under the conditions set forth in the General Requirements (Division 1 of the Specifications).”

16. Are there any new/existing site light poles in the parking lot area? None are shown on ES1.0

    Response: Yes. See the revised sheets ES1.0 and E8 showing added parking lot lighting.

17. There is no site demo plan given, so the of extend of what is existing versus what is new sitework is unclear. Please provide a site demo plan to provide clarification for this scope.

    Response: the only demo is removing the paving.

18. There is a "proposed water main" on C2.03 that tie into the bottom left portion of the building. The utility connection point on the plumbing drawings is shown in the top right part of the building (above the kitchen). There is no utility line shown in that part of the site. Please advise. There are also new sanitary sewer utility connections shown on P5.1 that are not shown on the utility plans.

    Response: See the revises C1.00 and C2.00 sheets included in this Addendum.

19. There is a note on C2.03 to "tie to existing water line". This note seems to be pointing to an existing fence line and there is no utility work in that area. Please advise.

    Response: The note referenced on C2.03 is an erroneous note and can be disregarded. The existing water tie-in occurs at the line off Universal Road at the driveway.

20. The plans are unclear what is to be existing fencing and what is to be new chain link fencing. Please clarify with a legend or notes calling out which is which. Also clarify if there is any existing fencing being demo 'ed.

    Response: All existing fencing is to remain, outside of the areas removed for the new loop road.

21. Can you please provide sizes and details for the utility transformer pad, generator pad and fire pump base, as well as the rigid pavement section for the dumpster pad (1/S3.2 notes "see civil"; not shown on the civil sheets)?

    Response: The transformer pad is 15’x10’. The generator and fire pump base pad is 4’x6’. See the architectural drawings regarding the dumpster pad details.

22. The communication drawings show camera locations throughout the building and the Aiphone door intercom system at the main entrance, but I don't see any security devices or access control on the drawings. Are there any specs for the cameras, access control, and security? These systems can be quite specific, and some guidance as to what Jefferson County wants would be helpful.

    Response: Contractor should provide a new intercom system and speakers, raceways for cameras and access control (where new), and raceways and wiring for structured cabling. Owner will provide all access control equipment and cameras including wiring and installation.

23. Existing vs. New Glazing: Is film required on existing glazing that remains, newly installed glazing, or both?

    Response: There will be no existing glazing that remains.

24. Approved Products: We are an authorized 3M dealer and would like to propose 3M Scotchshield S2400 Security Film as an alternative to the specified Armoured One 23 Mil. Would the 3M S2400 be considered an acceptable alternative, subject to review and approval of its technical specifications and performance documentation?

    Response: Substitutions outside of manufactures listed in the specifications will not be considered during the project bid phase. Substitutions will only be considered per Section "00 73 00-2 Supplementary Conditions, 3.4 Labor and Materials" which states "A. Add the following to the end of subparagraph 3.4.2: After the Contract has been executed, the Owner and the Architect will consider a formal request for the substitution of products in place of those specified only under the conditions set forth in the General Requirements (Division 1 of the Specifications)."

25. ADD 5 addressed the Security Film specification and said that substitutions "Must provide demonstrated equality to the specified basis of design product and performance requirements." Does that indicate that I can offer our film as a substitute as the attached information sent for RFI on 11/3 shows that the ASWF alternative is equal or better in specifications to Armoured One.

    Response: Substitutions outside of manufactures listed in the specifications will not be considered during the project bid phase. Substitutions will only be considered per Section "00 73 00-2 Supplementary Conditions, 3.4 Labor and Materials" which states "A. Add the following to the end of subparagraph 3.4.2: After the Contract has been executed, the Owner and the Architect will consider a formal request for the substitution of products in place of those specified only under the conditions set forth in the General Requirements (Division 1 of the Specifications)."

26. The plan calls out a "4×4 area drain" connected to an 18-inch pipe. Does "4×4" refer to the structure's inside dimensions or the frame-and-grate/casting dimensions? Please provide the required structure dimensions and casting type, size, and load rating.

    Response: "4x4" refers to the frame-and-grate dimensions.

27. The Geotech report references cap/compaction grouting for slabs with settlement observations. If this occurs, will this constitute a change condition/order? As we cannot determine the scope of work for potential unknown conditions.

    Response: We do not anticipate soft spots. Any issues not anticipated that occur that aren't covered by the contract documents would constitute a change order.

SECTION 00 41 13 – BID FORM

TO: Jefferson County Finance Department
ATTN: Purchasing Agent
1244 Gay Street
P.O. Box 1749
Dandridge, TN 37725

FROM: _____ (Name of Bidder)
_____ (Address of Bidder)
_____
_____

FOR: Jefferson Elementary School Renovation
321 W. Broadway Blvd.
Jefferson City, TN 37760

The Bidder acknowledges in submitting this bid that:

1. This Bidder has received, read and understands the Bidding Documents and this bid is made in accordance therewith.
2. This Bidder has visited the site and become familiar with the local conditions under which the work is to be performed and has correlated all observations with the requirements of the Bidding Documents.
3. This Bidder has received the following addenda:

Addendum No. _____ dated _____. Addendum No. _____ dated _____.
Addendum No. _____ dated _____. Addendum No. _____ dated _____.
Addendum No. _____ dated _____. Addendum No. _____ dated _____.

4. The required Bid Security, in the amount of five percent (5%) of the total amount bid, is attached hereto.
5. The person who signs this bid on behalf of the Bidder is required to be legally empowered to bind the bidder to a Contract.
6. Failure to complete this Bid Form or to provide required attachments may be cause for rejection of the bid.
7. Bidder understands and agrees that the lump sum bid price includes all taxes such as sales, use, excise, licenses, etc., now or hereafter imposed by federal, state or other government agencies upon the equipment, labor and materials specified, and that all said taxes shall be paid by the Contractor.
8. This Bidder agrees to:

   A. Honor this bid for a period of forty-five (45) days following the date of the scheduled opening of bids.
   B. Enter into and execute a contract, if presented on the basis of this bid, and to furnish the bond(s) and certificates(s) of insurance as required.

C. Accomplish the work in accordance with the Contract Documents.

D. Achieve substantial completion of the project within 540 days from and including the date stipulated in the Notice to Proceed.

E. Accept the conditions for actual damages.

BASE BID

This Bidder agrees to complete the work of the Base Bid for this project for the lump sum of (show amount in both words and figures):

_____ and _____/100ths Dollars

$_____

UNIT PRICES

Include work in the Base Bid and Alternates as specified for the Quantity Allowance of Unit Price Items and propose, subject to Owner acceptance, the following Unit Prices for inclusion in the Agreement as specified in Section 01 22 00 Unit Prices:

8 Unit Price Items

Item No.	Price Per CY or SY	Quantity Allowance	In[1]	Unit	Name/Work Included
1		300	B	Cubic Yard	Unsuitable Soil Beyond the Design Depth Undercut and Off-Site Disposal.
2		300	B	Cubic Yard	Engineered Fill, Procured, Placed and Compacted
3		50	B	Cubic Yard	Trench Rock, Excavation and Off-Site Disposal
4		50	B	Cubic Yard	Mass Rock, Excavation and Off-Site Disposal
5		500	B	Square Yard	Geogrid, Procured and Installed.
6		0	B	Square Yard	Geotextile, Procured and Installed.
7		50	B	Cubic Yards	Crushed Stone, Procured, Placed and Compacted.
8		50	B	Cubic Yard	Flowable Concrete Fill, Procured and Placed.

[1] Included in Base Bid.

This bid is submitted by:

Authorized Signature: _____ Date: _____

Type or print
Name and Title: _____

On Behalf of
(Name of Bidder): _____

Bidder's Address: _____

_____

Bidder's Telephone
Number: _____

END OF SECTION 00 41 13

SECTION 01 22 00 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements for unit prices.

B. Related Sections include the following:

1. Division 01 Section "Allowances" for procedures for using unit prices to adjust quantity allowances.
2. Division 01 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
3. Division 01 Section "Quality Requirements" for general testing and inspecting requirements.
4. Division 01 Section Payment Procedures for procedures for measurement and payment for Unit Prices.

1.3 DEFINITIONS

A. Unit price is an amount proposed by bidders, stated on the Bid Form, as a price per unit of measurement for materials or services added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.

B. Measurement and Payment: Refer to individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.

C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.

D. List of Unit Prices: A list of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 LIST OF UNIT PRICES

A. Include work in the Base Bid and Alternates as specified for the Quantity Allowance of Unit Price Items and propose, subject to Owner acceptance, the following Unit Prices for inclusion in the Owner and Contractor Agreement as specified in Section 01 22 00 Unit Prices.

B. Unit Price Definitions Table: to be completed by Contractor and also included on Bid Form.

Item No.	Price ($)	Quantity Allowance	In	Unit	Name/Work Included
1	/CY	300	B	Cubic Yard	Unsuitable Soil Beyond the Design Depth Under-cut and Off-Site Disposal.
2	/CY	300	B	Cubic Yard	Engineered Fill, Procured, Placed and Compacted
3	/CY	50	B	Cubic Yard	Trench Rock, Excavation and Off-Site Disposal
4	/CY	50	B	Cubic Yard	Mass Rock, Excavation and Off-Site Disposal
5	/SY	500	B	Square Yard	Geogrid, Procured and Installed.
6	/SY	0	B	Square Yard	Geotextile, Procured and Installed.
7	/CY	50	B	Cubic Yards	Crushed Stone, Procured, Placed and Compacted.
8	/CY	50	B	Cubic Yard	Flowable Concrete Fill, Procured and Placed.

B = Material Quantity Allowances are included in the Base Bid.

END OF SECTION 01 22 00

SECTION 08 41 13 – ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section Includes: Requirements including but not limited to.

1. Aluminum trim, flashings, and similar items in conjunction with aluminum entrance and storefronts.
2. Accessories necessary for a complete installation.

1.3 PERFORMANCE REQUIREMENTS

A. Coordinate with Section 08 44 13 for performance requirements, fabrication and erection standards; in addition provide the following:

1. Design and fabricate aluminum window to withstand the operating loads which result from heavy traffic conditions using the specified hardware, without measurable permanent deflection. Limit elastic deflections so as to provide the normal degree of rigidity required to avoid glass breakage, air leaks and other objectionable results of excessive flexibility. Provide weatherstripping at stiles, sill and head rails of door leaves, to minimize air, water and sound leaks.

B. Provide aluminum entrance and storefront systems meeting or exceeding the following performance requirements:

1. Structural Properties:

a. Wind Loads: The aluminum entrance and storefront work, including glass, shall be designed, fabricated and installed to withstand the maximum inward and outward wind pressures as required by applicable local building code requirements and as indicated on Drawings.

1) Basic Wind Speed: Indicated on structural Drawings.
2) Exposure Category: Indicated on structural Drawings.
3) Importance Factor: Indicated on structural Drawings.

b. Seismic Loads: As required by applicable local building code requirements and indicated on structural Drawings.

c. Deflection Limitations:

a) Deflections: Base calculations for the following deflections upon the combination of maximum direct wind loads, building deflections, thermal stresses, and erection tolerances. The deflection of any framing member in a direction normal to the plane of the wall when subjected to the full code required wind loads specified above shall not exceed L/175 of its clear span.
b) Glass, sealants and interior finishes shall not be included to contribute to framing member strength, stiffness or lateral stability.

2) Do not permit any permanent deformation (set) in the metal framing work. Permanent deformation, fastener, weld, or gasket failure, component breakage or disengagement shall not occur under wind loading equal to 1.5 times the wind loads (positive or negative). Permanent deformation shall be taken as deflection without recovery exceeding 1/1000 times span.

d. Dead Loads:

1) Maximum full deadload deflections, parallel (in-plane) to wall plane, of framing members shall not reduce glass bite or glass coverage, to less than 75% of the design dimension, and shall not reduce edge clearance to less than 25% of design dimension or 1/8 inch (3 mm) whichever is greater.
2) Limit deflections of metal members spanning door openings to 1/300. The clearance between the member and an operable door shall be no less than 1/16 inch (1.5 mm).
3) Twisting (rotation) of the horizontals due to the weight of the glass shall not exceed 1 degree, measured between ends and center of each span.

e. Uniform Structural Loads: Satisfactory uniform wind loading tests of each aluminum entrance and storefront assembly (each swinging and sliding door) shall have been conducted in accordance with the requirements of ASTM E330.

1) Subject each assembly to inward and outward acting uniform loads equal to 1.5 times the inward and outward acting design wind loads specified above under paragraph 'wind loads'.
2) Satisfactory performance at these loads shall mean no glass or other component breakage, component disengagement, and no permanent deformation of main framing members in excess of the permanent deformation criteria specified above.

f. Operational (Traffic) Loads: Design and fabricate aluminum entrances to withstand the operating loads which result from heavy traffic conditions using the specified hardware, without measurable permanent deflection.

1) Limit elastic deflections so as to provide the normal degree of rigidity required to avoid glass breakage, air leaks and other objectionable results of excessive flexibility. Provide weatherstripping at stiles, sill and head rails of door leaves, to minimize air, water and sound leaks.

C. Air Leakage: Air leakage through each aluminum entrance and storefront assembly shall not have exceeded 0.06 cfm/sq. ft. (0.03 L/s per sq. m) of fixed wall area when tested in accordance with ASTM E 283 at a static air pressure difference of 6.24 lbf/sq. ft. (300 Pa).

D. Water Penetration:

1. Water penetration in this specification is defined as the appearance of uncontrolled water, other than condensation, on any indoor face of any part of the wall.
2. Provision shall be made to drain to the exterior face of the wall any water entering the system.
3. No uncontrolled water penetration shall have occurred when each entrance and storefront assembly (each entrance and storefront wall) was tested in accordance with the ASTM E331 for one 15 minute cycle at a static pressure difference of 12 lbf/sq. ft. (600 Pa) minimum.

E. Thermal Movements: Fabricate the entrance and storefront work to accommodate for such expansion and contraction of component materials, and supporting elements, as will be caused by surface temperatures ranging from -5 degrees F to +180 degrees F (-20.5 degrees C to +82 degrees C), without causing buckling, glass breakage, failure of joint sealants, undue stress on metal members and fasteners,

failure of doors or other operating units to function properly, reduction of performance, and other detrimental effects.

1. Dimensions shown on Drawings are based on an assumed design temperature of +70 degrees F (+21 degrees C). Fabrication and erection procedures include for ambient temperature range at the time of the respective operations.

F. Building Frame Movement: Design, fabricate and install aluminum entrances and storefronts to withstand building movements including thermal movements, loading deflections, shrinkage, creep and similar movements. Thermal movements shall be as specified. Building frame deflections, shrinkage, creep and other movements are available from the structural engineer.

G. Condensation Resistance: Provide storefront systems with condensation resistance factor (CRF) of not less than 45 when tested according to AAMA 1503.1.

H. Average Thermal Conductance: Provide storefront systems with average U-values of not more than 0.63 Btu/sq. ft. x h x deg F (3.57 W/sq. m x K) when tested according to AAMA 1503.1.

I. Glass Statistical Factor: Glass thicknesses when shown on the drawings, or specified, are for convenience of detailing only and are to be confirmed by the Contractor and/or glass manufacturer. Glass for the size openings shown will be provided in thickness so probability of breakage at the design Wind Load will not exceed 8 lites per 1000 lites (S.F. 2.5) based on a 60 second uniform wind load duration, and reflectance and shading indicated.

1. The glass manufacturer shall provide, on request, substantiating glass breakage data if such data is not otherwise available as manufacturer's published data.

J. Design Modifications:

1. Submit design modifications necessary to meet the performance requirements and field coordination.
2. Variations in details or materials shall not adversely affect the appearance, durability or strength of components.
3. Maintain the general design concept without altering size of members, profiles and alignment.

1.4 SUBMITTALS

A. Shop Drawings: Submit shop drawings showing scaled elevations, plans, and sections of the aluminum entrance and storefront work.

1. Prepare full scale sections and submit for details of the assemblies that cannot be shown in the elevations or sections. Include with shop drawings metal thickness of metal components, glass thickness, metal finishes, and pertinent information as necessary or requested by the Architect to indicate compliance.
2. Indicate details of field connections, anchorage, and relationship to work of others for coordination of work by other building trades.
3. Show details of fastening and sealing methods and product joinery to ensure proper performance of the field installation.
4. Do not fabricate work until shop drawings are approved by Architect for fabrication.
5. All shop drawings to be developed by Kawneer Company.

B. Samples: Submit samples of the following before any work is fabricated:

1. Submit 3 paired sets of samples for each exposed metal finish required. Where finishes involve color and texture variations, include sample sets showing the full range of variations expected. Furnish

samples in either 12 inch (300 mm) lengths of patch fittings, rails, or 12 inch (300 mm) squares of sheet.

C. Structural Calculations: Submit sealed copies of structural calculations indicating complete compliance with the specified performance requirements. Submit calculations prepared, signed, and sealed by a Professional Engineer registered in the state where the project is located.

D. Product Test Reports: Submit certified product test reports based on tests performed by an AAMA Accredited Laboratory clearly describing in written form, and in shop drawing form, compliance of each aluminum entrance and storefront assembly (each swinging and sliding door) with requirements indicated based on comprehensive testing.

E. Maintenance Instructions: Submit copies of manufacturer's written instructions for adjustment, operation and maintenance of doors.

F. Preconstruction Sealant Compatibility and Adhesion Testing: Submit test results.

1.5 QUALITY ASSURANCE

A. Regulatory Requirements:

1. Building Code: Applicable requirements of the local building authority for exterior cladding.
2. American Architectural Manufacturers Association (AAMA):

    a. AAMA *Aluminum Curtain Wall Design Guide Manual* Volumes 1-9.
    b. AAMA *Aluminum Store Front and Entrance Design Guide Manual*.
    c. AAMA 2603 *Voluntary Performance Requirements and Test Procedures for Pigmented Organic Coatings on Extruded Aluminum*.
    d. AAMA 2605 *Specification for Superior Performing Organic Coatings on Architectural Extrusions and Panels*.

3. American Institute of Steel Construction (AISC) *Steel Construction Manual*.
4. Steel Structures Painting Council (SSPC): *Steel Structures Painting Manual, Vol. 2, Systems and Specifications*.
5. Federal Standard 16 CFR 1201, Consumer Product Safety Commission (CPSC): *Safety Standard for Architectural Glazing Materials*, published in Code of Federal Regulations (CFR).

    a. Comply with applicable requirements of authorities having jurisdiction, wherever requirements conflict the more stringent shall be required. Obtain approvals from authorities.
    b. As a minimum provide safety glazing complying with ANSI Z97.1 and testing requirements of 16 CFR Part 1201 for Category II materials.

6. Welding Standards: Welding shall be performed by skilled and qualified mechanics. Welding shall be performed in accordance with the applicable provisions of AWS D1.1 *Structural Welding Code - Steel* and AWS D1.2 *Structural Welding Code--Aluminum*.

B. B. Manufacturer Qualifications: All framing components, drawings and specifications are based on Kawneer Systems and Kawneer Narrow, Medium and Wide Style doors**.**

C. Installer Qualifications: Refer to Section 084413.

D. Sole Source Responsibility: Manufacturer/fabricator of aluminum curtainwall and aluminum storefront and entrances [and aluminum (interior) partition framing and door system] shall be the same.

E. Testing laboratories shall be specifically qualified to conduct laboratory and field performance tests required by these specifications and acceptable to the Architect.

F. Preconstruction Sealant Compatibility and Adhesion Testing: Test results confirming compatibility and adhesion are mandatory for all concealed and exposed sealant materials in contact with exterior glazing, stone, precast, masonry, wood, metals, other sealants, flashings, metal framing, and shims prior to full size sample installation construction. Refer to Section 07 92 00.

G. Preinstallation Conference: Conduct conference at Project site to comply with requirements. Prior to the start of the aluminum entrance and storefront work, and at the Contractor's direction, meet at site and review the installation procedures and coordination with work.

H. Meeting shall include Contractor, Owner, aluminum entrance and storefront installer, sealant installer, as well as any other subcontractors or material technical service representatives whose work, or products, must be coordinated with the aluminum entrance and storefront work.

1.6 IDENTIFICATION, DELIVERY, STORAGE, AND HANDLING

A. Comply with the applicable provisions of AAMA *Curtain Wall Manual #10* for the care and handling of aluminum entrance and storefront work from shop to site.

B. Identify components of aluminum entrance and storefront work after fabrication by marks clearly indicating their location in the building. Package components to protect the components from damage during shipping and handling.

C. Storage on Site:

1. Store aluminum entrance and storefront components in a location and in a manner to avoid damage to the components. Stacking shall be done in a way which will prevent bending, excessive pressure, abrasion or permanent damage of the component and its finished surfaces.
   Store aluminum entrance and storefront components and materials in a clean, dry location, away from uncured concrete, masonry work, sprayed on fireproofing work, and other construction activities. Cover with non-staining waterproof paper, tarpaulin, or polyethylene sheeting to permit circulation of air inside the covering.

D. Keep handling on site to a minimum. Exercise particular care to avoid damage to finishes of metals.

1.7 PROJECT CONDITIONS

A. Field Measurements: Verify dimensions of supporting structure by field measurements before fabrication so that the entrance and storefront work will be accurately designed, fabricated, and fitted to the structure. Indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the work. Use Contractor’s lines and benchmarks as a basis for measurements.

1. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating entrance and storefront work without field measurements. Coordinate supporting structure construction to ensure actual dimensions correspond to established dimensions.

1.8 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of aluminum-framed systems that do not comply with requirements or that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
   a. Structural failures including, but not limited to, excessive deflection.
   b. Noise or vibration caused by thermal movements.
   c. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
   d. Adhesive or cohesive sealant failures.
   e. Water leakage through fixed glazing and framing areas.
   f. Failure of operating components.
2. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Recycled Content of Steel and Aluminum Products: To the extent practical, provide products with an average recycled content of steel and aluminum products so postconsumer recycled content plus one/half of preconsumer recycled content is not less than 25 percent.

B. MATERIALS:
1. Manufacturer:
   a. YKK AP Series 35T Mega Therm Entrance – Basis of Design
   b. Kawneer
   c. Tubelite
   d. Vistawall

2. Installer: To be approved by Entrance Manufacturer and General Contractor.

C. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.

1. Sheet and Plate: ASTM B 209.
2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221.
3. Extruded Structural Pipe and Tubes: ASTM B 429.
4. Structural Profiles: ASTM B 308/B 308M.
5. Welding Rods and Bare Electrodes: AWS A5.10/A5.10M.

D. Carbon Steel: For carbon steel components required to join, reinforce or support the assembly of aluminum components provide carbon steel conforming to ASTM A 36/A 36M for structural shapes, plates, and bars; ASTM A 1008/A 1008M for cold rolled sheet and strip; or ASTM A 1011/A 1011M for hot-rolled sheet and strip.

E. Glass and Glazing Materials: Section 08 80 00.

F. Anchors and Fasteners:

1. Material: Stainless steel.
2. Anchor and Fastener Metal Alloy Types, Designations and Standards: Alloys as selected by fabricator to prevent corrosion resistance with the components fastened. Do not use self drilling, self tapping type fasteners.
3. Do not use exposed anchors and fasteners, except for hardware application. For hardware application, use countersunk Phillips flat-head machine screws finished to match framing members or hardware being fastened, unless otherwise indicated.
4. Where fasteners are subject to loosening or turn out from thermal and structural movements, wind loads, or vibration, use self-locking devices.
5. Recycled Content: Fabricated from remelted steel.

G. Concealed Flashing: Dead-soft, 0.018-inch- (0.457-mm-) thick stainless steel, complying with ASTM A 666, Type 304.

H. Weather Stripping: Manufacturer's standard replaceable weather stripping as follows:

1. Compression Weather Stripping: Molded neoprene complying with ASTM D 2000 requirements or molded PVC complying with ASTM D 2287 requirements.
2. Sliding Weather Stripping: Wool, polypropylene, or nylon woven pile with nylon-fabric or aluminum-strip backing complying with AAMA 701 requirements.

2.2 GLAZING SYSTEMS

A. Glazing: Refer to Section 088000.

B. Glazing Gaskets: Compression types, replaceable, molded or extruded, that maintain uniform pressure and watertight seal.

C. Spacers and Setting Blocks: Elastomeric types.

D. Bond Breaker Tape: TFE fluorocarbon or polyethylene material to which sealants will not develop adhesion.

E. Glazing Sealants: For structural-sealant-glazed systems, recommended by manufacturer for joint type and as follows:

1. Structural Sealant: ASTM C 1184, neutral curing silicone formulation compatible with system components with which it comes in contact, specifically formulated and tested for use as structural sealant, and approved by structural sealant manufacturer for use in aluminum-framed systems indicated.

   a. Color: Selected by Architect.

2. Weatherseal Sealant: ASTM C 920 for Type S, Grade NS, Class 25, Uses NT, G, A, and O; neutral curing silicone formulation compatible with structural sealant and system components with which it comes in contact; and recommended by structural and weatherseal sealant and aluminum framed system manufacturers for this use.

   a. Color: Matching structural sealant.

3. Toxicity/IEQ: Low VOC products.

2.3 SEALING MATERIALS

A. Concealed Sealing Materials: Provide silicone sealant for concealed applications within entrances and storefronts, compatible with and adherent to each material it will be in contact with, recommended by the manufacturer to fulfill performance requirements.

B. Exposed Sealing Materials: Equal to DOW Corning 791, one-component, medium modulus, neutral curing silicone sealant.

2.4 FABRICATION

A. Fabricate entrances and storefronts to the designs, shapes, and sizes shown using materials specified and shown to produce assemblies which meet or exceed the performance requirements. To the greatest

extent possible complete fabrication, assembly, finishing, hardware applications and work before shipment to site.

1. Metal Wall Thickness: Provide shapes as shown and as required to suit the performance requirements but with wall thickness of not less than 1/8 inch (3 mm).

B. Joints in Metal Work: All exposed work shall be carefully fitted and matched to produce continuity of line and design, with all joints, being accurately fitted for hairline contact and rigidly secured. Where additional rigidity or strength is required to satisfy the performance requirements reinforce entrance components with aluminum or carbon steel shapes, bars, and plates.

C. Shop Assembly: As far as practicable, all fitting and assembly work shall be done in a fabrication shop.

1. For exterior entrances, provide weepholes and internal water passages in the glazing framing recesses as recommended by the respective glass and framing manufacturers to conduct infiltrating water to the exterior. Provide weep baffles secured to inside of frame behind weepholes.

D. Exposed Fasteners: Not permitted.

E. Protection of Metals: Wherever dissimilar metals are in contact, except in the case of aluminum in contact with galvanized steel, zinc, or separate such surfaces with a coating of zinc rich primer, bituminous paint, or separation gaskets as the condition requires. Wherever aluminum comes in contact with concrete surfaces separate such surfaces with a coating of zinc rich primer, bituminous paint, or separation gaskets as the condition requires.

2.5 FINISHES

A. Comply with NAAMM *Metal Finishes Manual for Architectural and Metal Products* for recommendations relative to applying and designating finishes.

B. Appearance of Finished Work: During production, maintain large size color range samples for use in comparing against production material. Variations in appearance of abutting or adjacent pieces are acceptable if they are within the range of approved samples. Noticeable variations in the same piece are not acceptable.

C. Exposed Aluminum frame finish shall be Black Anodized – Kawneer #29 anodized aluminum (Aluminum Association Specification AA-M10C21A44) with a 5 year finish warranty.

D. Concealed Metal Surface Coating: Apply protective coatings to surfaces of metals concealed in the construction:

1. Coating for Carbon Steel: Hot dip galvanized, complying with ASTM A123.
2. Coating for Aluminum, Carbon Steel, and Bronze: Where aluminum or carbon steel surfaces are to be in contact with each other or in contact with dissimilar materials such as masonry or concrete, and where hot dip galvanizing of carbon steel is incompatible with component parts because of galvanic action or component fabrication tolerances provide one of the following:

    a. Bituminous Paint: Cold-applied, non-sagging, asphalt-mastic paint complying with SSPC-Paint 12 requirements, except containing no asbestos. Apply in two coats for an overall minimum dry film thickness of 25 mils.
    b. Zinc Rich Primer: Organic zinc-rich primer, complying with SSPC-Paint 20.

PART 3 - EXECUTION

3.1 PREPARATION

A. Coordinate entrance and storefront materials with the project schedule and provide items to be placed during the installation of work at the proper time to avoid delays.

B. Templates and Diagrams: Furnish templates, diagrams, and other data to fabricators and installers of related work, as necessary for coordinating entrance and storefront installation.

C. Place such items, including concealed overhead framing, accurately in relation to the final location of entrance and storefront components.

3.2 EXAMINATION

A. Examine substrates, adjoining construction, and conditions under which the work is to be installed. Proceed with installation after unsatisfactory conditions have been corrected.

1. Before beginning installation of the entrance and storefront work examine building structural frame and building cladding indicated to support the entrance and storefront work.
2. Notify Contractor in writing, of any dimensions, or conditions, found which prevent proper execution of the entrance and storefront work, including specified tolerances. Use Contractor's offset lines and bench marks as basis of measurements.

3.3 INSTALLATION

A. Comply with manufacturer's written instructions for protecting, handling, and installing entrance and storefront systems. Do not install damaged components. Fit frame joints to produce hairline joints free of burrs and distortion. Rigidly secure nonmovement joints. Seal joints watertight. Clean excess joint sealants from finished surfaces.

1. Cut and trim component parts of the entrance and storefront work during erection only with the approval of the manufacturer or fabricator, and in accordance with his recommendations. Restore finish completely to protect material and remove all evidence of cutting and trimming. Remove and replace members where cutting and trimming has impaired strength or appearance, as directed by Architect.
2. Set components within the erection tolerances with uniform joints. Place components on shims and fasten to supporting substrates using bolts and similar fasteners. Use stainless steel shims at structural connections only. U shaped shims at structural connections are not permitted. Use aluminum, stainless steel or high impact polystyrene shims at other connections.
3. Do not erect components which are warped, deformed, bowed, dented, defaced, or damaged as to impair its strength or appearance. Remove and replace members damaged in the process of erection.
4. Coat concealed surfaces of dissimilar materials, and any ferrous metal components, with a heavy coating of bituminous paint, zinc rich primer or other separation in accordance with manufacturer's recommendations. Where aluminum components will contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.
5. No holes or slots shall be burned, cut into, or field drilled in any building framing member without the written acceptance of the structural engineer.

B. Entrance and Storefront Framing: Install framing components plumb and true in alignment with established lines and grades without warp or rack of framing members.

C. Install glazing to comply with requirements of Section 08 80 00 unless otherwise indicated.

D. Install perimeter sealant to comply with requirements of Section 07 92 00, unless otherwise indicated.

E. Concealed Sealing Components: Apply sealant and gasket components which are integral to the entrance and storefront systems in strict accordance with the each component manufacturers printed instructions.

1. Before applying components remove all mortar, dust, dirt, moisture, and foreign matter which will be deleterious to the intended performance of the component. Mask adjoining exposed surfaces to avoid spilling, dripping, dropping or other unintended contact of the sealing components onto adjacent exposed surfaces.

F. Anchorage: For entrance and storefront work to the structure and surrounding cladding, install in accordance with the accepted shop drawings.

G. Welding: Weld with electrodes and by methods recommended by manufacturer of material being welded, and in accordance with AWS D1.1 for concealed steel members.

1. Welds and adjacent metal areas shall be thoroughly cleaned and coated with a single coat of bituminous paint.

3.4 ERECTION TOLERANCES

A. The entrance and storefront systems shall be fabricated and erected to accommodate the dimensional tolerances of the structural frame and surrounding cladding while providing the following as installed tolerances.

1. Variation from theoretical calculated position as located in plan or elevation in relation to established floors lines, column lines and fixed elements of the structure, including variations from plumb, level, straight and member size: +/- 1/4 inch max in any 20’0” (+/- 6 mm in any 6 m) run, column to column bay, or floor to floor height.
2. Alignment: Where surfaces abut in line, and where they meet at corners, limit offset from true alignment to 1/32 inch (.75 mm).
3. Variation from angle, or plumb, shown: +/- 1/8 inch max in any 10’0” (+/- 3 mm in any 3 m) run or story height, non-cumulative.
4. Variation from slope, or level, shown: +/- 1/8 inch max in any 20’0” (+/- 3 mm in any 6 m) run or column-to-column bay, non-cumulative.

3.5 REMOVAL OF DEBRIS

A. Debris caused by, or incidental to, the erection of the entrance and storefront work shall be removed from the site and legally disposed or recycled.

3.6 CLEANING

A. Clean metal surfaces promptly after installation, exercising care to avoid damage to factory finished exposed surfaces.

B. Wash glass on both faces not more than 4 days prior to date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended by glass manufacturer. Remove excess glazing and sealant compounds, dirt, and other substances.

C. Immediately remove any deleterious material from surfaces of aluminum.

3.7 PROTECTION

A. Institute protective measures required throughout the remainder of the construction period to ensure that entrance and storefront work will be without damage or deterioration, other than normal weathering, at time of acceptance.

END OF SECTION 08 41 13

SECTION 07 71 23 – MANUFACTURED GUTTERS AND DOWNSPOUTS

PART 1 - GENERAL

1.01 DESIGN CRITERIA

1. Materials:

   i. Exterior downspouts and gutters: Steel or aluminum.
   ii. Interior downspouts: Cast iron or DWV copper.
   iii. Buried downspouts: Cast iron only.

2. Components shall be sized to accommodate a 5-year storm rainfall intensity.

3. Coordinate installation of gutters and downspouts with interfacing and adjoining construction to provide a leak-proof, secure and noncorrosive installation.

4. Finishes shall be factory-applied. Color shall be selected from the manufacturer's standard color line and approved by the architect.

PART 2 - PRODUCTS

2.01 SEAMLESS ALUMINUM ROOF GUTTERS AND DOWNSPOUTS

A. Standard thickness shall be .051 gauge aluminum

2.02 FASTENERS

A. Provide fasteners, protective coatings, separators, sealants and other miscellaneous items as required for complete sheet metal flashing and trim installation as recommended by manufacturer.

PART 3 - EXECUTION

3.01 GENERAL

A. Unload, store, and install sheet metal flashing materials and fabrications in a manner to prevent bending, warping, twisting and surface damage.
B. Join length of gutters and downspouts with formed seams sealed watertight.
C. Flash and seal gutters to downspouts and accessories. Seal all joints watertight.
D. Slope gutters to downspouts minimum 1/16" per foot.
E. On-center spacing of fasteners shall not exceed 2 feet, regardless of the type of fastener used.

3.02 METAL PROTECTION

A. Where dissimilar metals will contact each other or corrosive substrates, protect against galvanic action by painting contact surfaces with bituminous coating or by other permanent separation as recommended the manufacturer.

END OF SECTION 07 71 23

SECTION 08 44 13 - GLAZED ALUMINUM CURTAIN WALLS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes conventionally glazed aluminum curtain walls installed as stick-built systems.

1.2 PERFORMANCE REQUIREMENTS

A. General: Provide glazed aluminum curtain-wall systems, including anchorage, capable of withstanding, without failure, the effects of the following:

1. Structural loads.
2. Thermal movements
3. Movements of supporting structure indicated on Drawings including, but not limited to, story drift, twist, column shortening, long-term creep, and deflection from uniformly distributed and concentrated live loads.
4. Dimensional tolerances of building frame and other adjacent construction.
5. Failure includes the following:

    a. Deflection exceeding specified limits.
    b. Thermal stresses transferred to building structure.
    c. Framing members transferring stresses, including those caused by thermal and structural movements, to glazing.
    d. Noise or vibration created by wind and thermal and structural movements.
    e. Loosening or weakening of fasteners, attachments, and other components.
    f. Sealant failure.

B. Structural Loads:

1. Wind Loads: As indicated on Drawings.
2. Seismic Loads**:** As indicated on Drawing
3. Periodic Maintenance-Equipment Loads: As indicated on Drawings

C. Structural-Test Performance: Systems tested according to ASTM E 330 as follows:

1. When tested at positive and negative wind-load design pressures, systems do not evidence deflection exceeding specified limits.
2. When tested at 150 percent of positive and negative wind-load design pressures, systems, including anchorage, do not evidence material failures, structural distress, and permanent deformation of main framing members exceeding 0.2 percent of span.
3. Test Duration: As required by design wind velocity but not less than 60 seconds.

D. Deflection of Framing Members:

1. Deflection Normal to Wall Plane: Limited to 1/175 of clear span for spans up to 13 feet 6 inches (4.1 m) and to 1/240 of clear span plus 1/4 inch (6.35 mm) for spans greater than 13 feet 6 inches (4.1 m)] <Insert deflection limit> or an amount that restricts edge deflection of individual glazing lites to 3/4 inch (19 mm), whichever is less.

2. Deflection Parallel to Glazing Plane: Limited to 1/360 of clear span or 1/8 inch (3.2 mm), whichever is smaller.

3. Cantilever Deflection: Where framing members overhang an anchor point, limited to 2 times the length of cantilevered member, divided by 175.

E. Temperature Change (Range): Systems accommodate 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

F. Air Infiltration: For systems, maximum air leakage of 0.06 cfm/sq. ft. (0.03 L/s per sq. m) of fixed wall area when tested according to ASTM E 283 at a minimum static-air-pressure differential of 6.24 lbf/sq. ft. (300 Pa).

G. Water Penetration Under Static Pressure: Systems do not evidence water penetration when tested according to ASTM E 331 at a minimum differential static pressure of [20 percent of positive design wind load, but not less than 10 lbf/sq. ft. (479 Pa).

H. Condensation Resistance: For systems, condensation-resistance factor (CRF) of not less than 66 for frame when tested according to AAMA 1503.

I. Average Thermal Conductance: For systems, average U-factor of not more than .63 Btu/sq. ft. x h x deg F (3.75 W/sq. m x K) when tested according to AAMA 1503.

J. Sound Transmission: For systems, minimum STC 32 according to ASTM E 413 and an OITC 26 according to ASTM E 1332, as determined by testing according to ASTM E 90.

1.3 SUBMITTALS

A. Product Data: For each product indicated.

B. Shop Drawings: Prepared by or under the supervision of a qualified professional engineer detailing fabrication and assembly of glazed aluminum curtain-wall systems.

1. Include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

C. Samples: For each exposed finish.

D. Product test reports.

E. Field quality-control test reports.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Acceptable to manufacturer and capable of preparing data for glazed aluminum curtain-wall systems including Shop Drawings based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.

B. Mockups: Build mockups to demonstrate aesthetic effects and set quality standards for fabrication and installation.

1. Build mockups as shown on Drawings

2. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

C. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Management and Coordination".

1.5 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of glazed aluminum curtain-wall systems that do not comply with requirements or that deteriorate as defined in this Section within specified warranty period.

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

a. Structural failures including, but not limited to, excessive deflection.
b. Noise or vibration caused by thermal movements.
c. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
d. Water leakage.
e. Failure of operating components to function normally.

2. Warranty Period: Five years from date of Substantial Completion.

B. Special Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components on which finishes fail within specified warranty period. Warranty does not include normal weathering.

1. Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

C. Basis-of-Design Product: The design for glazed aluminum curtain-wall systems is based on YKK AP Series YCW 750XT SSG Aluminum Curtain Wall System, 2-1/2" sightline, 6" system depth with 1" double-pane infill. Subject to compliance with requirements, provide the named product or a comparable product by one of the following:
1. EFCO Corporation.
2. Vistawall.
3. Kawneer
4. Tubelite Inc.

2.2 FRAMING SYSTEMS

A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.

1. Sheet and Plate: ASTM B 209

2. Extruded Bars, Rods, Shapes, and Tubes: ASTM B 221
3. Extruded Structural Pipe and Tubes: ASTM B 429.

B. Steel Reinforcement: With manufacturer's standard corrosion-resistant primer.

1. Structural Shapes, Plates, and Bars: ASTM A 36/A 36M.
2. Cold-Rolled Sheet and Strip: ASTM A 611.
3. Hot-Rolled Sheet and Strip: ASTM A 570/A 570M.

C. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with nonstaining, nonferrous shims for aligning system components.

D. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.

1. Where fasteners are subject to loosening or turn out from thermal and structural movements, wind loads, or vibration, use self-locking devices.
2. Reinforce members as required to receive fastener threads.
3. Use exposed fasteners with countersunk Phillips screw heads.
4. Finish exposed portions to match framing system.
5. At movement joints, use slip-joint linings, spacers, and sleeves of material and type recommended by manufacturer.

E. Anchors: Three-way adjustable anchors that accommodate fabrication and installation tolerances in material and finish compatible with adjoining materials and recommended by manufacturer.

1. Concrete and Masonry Inserts: Hot-dip galvanized cast-iron, malleable-iron, or steel inserts complying with ASTM A 123/A 123M or ASTM A 153/A 153M requirements.

F. Concealed Flashing: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding flashing compatible with adjacent materials

G. Framing Gaskets: As recommended by manufacturer for joint type.

H. Framing Sealants: As recommended by manufacturer for joint type.

2.3 GLAZING SYSTEMS

A. Glazing: As specified in Division 08 Section "Glazing."

B. Glazing Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of black, resilient elastomeric glazing gaskets, setting blocks, and shims or spacers.

C. Glazing Sealants: As recommended by manufacturer for joint type.

2.4 ACCESSORY MATERIALS

A. Perimeter Fire-Containment Systems (Safing Insulation): Specified in Division 07 Section "Fire-Resistive Joint Systems”.

B. Insulating Materials: Specified in Division 07 Section "Thermal Insulation."

C. Bituminous Paint: Cold-applied asphalt-mastic paint complying with SSPC-Paint 12 requirements except containing no asbestos, formulated for 30-mil (0.762-mm) thickness per coat.

2.5 FABRICATION

A. Form aluminum shapes before finishing.

B. Fabricate components that, when assembled, have the following characteristics:

1. Sharp profiles, straight and free of defects or deformations.
2. Accurately fitted joints with ends coped or mitered.
3. Internal guttering systems or other means to drain water passing joints, condensation occurring within framing members, and moisture migrating within the system to exterior.
4. Physical and thermal isolation of glazing from framing members.
5. Accommodations for thermal and mechanical movements of glazing and framing to prevent glazing-to-glazing contact and to maintain required glazing edge clearances.
6. Provisions for re glazing from interior for vision glass and exterior for spandrel glazing or panels

C. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.

D. Factory-Assembled Frame Units:

1. Rigidly secure nonmovement joints.
2. Seal joints watertight, unless otherwise indicated.
3. Pressure equalize system at its interior face.
4. Install glazing to comply with requirements in Division 08 Section "Glazing."

E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

2.6 ALUMINUM FINISHES

A. Clear Anodic Finish: Class I clear anodic coating complying with AAMA 611.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General:

1. Fit joints to produce hairline joints free of burrs and distortion.
2. Rigidly secure nonmovement joints.
3. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
4. Weld components in concealed locations to minimize distortion or discoloration of finish. Protect glazing surfaces from welding.
5. Seal joints watertight, unless otherwise indicated.

B. Metal Protection:

1. Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape or installing nonconductive spacers as recommended by manufacturer for this purpose.
2. Where aluminum will contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.

C. Install components to drain water passing joints, condensation occurring within framing members, and moisture migrating within the system to exterior.

D. Install components plumb and true in alignment with established lines and grades.

E. Install glazing as specified Division 08 Section "Glazing."

F. Install sealants as specified in Division 07 Section "Joint Sealants."

G. Install insulation materials as specified in Division 07 Section "Thermal Insulation."

H. Install perimeter fire-containment systems (safing insulation) as specified in Division 07 Section "Fire-Resistive Joint Systems".

I. Erection Tolerances: Install glazed aluminum curtain-wall systems to comply with the following maximum tolerances:

1. Plumb: 1/8 inch in 10 feet (3 mm in 3 m); 1/4 inch in 40 feet (6 mm in 12 m).
2. Level: 1/8 inch in 20 feet (3 mm in 6 m); 1/4 inch in 40 feet (6 mm in 12 m).
3. Alignment:

    a. Where surfaces abut in line or are separated by reveal or protruding element up to 1/2 inch (13 mm) wide, limit offset from true alignment to 1/16 inch (1.6 mm).
    b. Where surfaces are separated by reveal or protruding element from 1/2 to 1 inch (13 to 25 mm) wide, limit offset from true alignment to 1/8 inch (3.2 mm).
    c. Where surfaces are separated by reveal or protruding element of 1 inch (25 mm) wide or greater, limit offset from true alignment to 1/4 inch (6 mm).

4. Location: Limit variation from plane to 1/8 inch in 12 feet (3 mm in 3.7 m); 1/2 inch (12.7 mm) over total length.

3.2 FIELD QUALITY CONTROL

A. Water Spray Test: After the installation of minimum area of 75-feet- (23-m-) by-2-story glazed aluminum curtain-wall system has been completed but before installation of interior finishes has begun, test a 2-bay area of system designated by Architect according to AAMA 501.2.

1. Repair or remove work where test results indicate water penetration of systems.
2. Perform additional testing to determine resistance to water penetration of replaced or additional work.

END OF SECTION 08 44 13

SECTION 32 17 23 PAVEMENT MARKINGS

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Traffic lines, legends and markings on asphalt and concrete surfaces.
2. Waterborne Traffic Paint.
3. Thermoplastic Pavement Markings.
4. Glass beads.

B. Related Sections:

1. Section 32 12 16 - Asphalt Paving.
2. Section 32 13 13 - Concrete Paving.

1.2 REFERENCES

A. American Association of State Highway and Transportation Officials:

1. AASHTO M247 - Standard Specification for Glass Beads Used in Traffic Paint.

B. TDOT Standard Specifications:

1. Standard Specifications for Road and Bridge Construction, Jan. 1, 2021, published by the Tennessee Department of Transportation.

1.3 PERFORMANCE REQUIREMENTS

A. Paint Adhesion: Adhere to road surface forming smooth continuous film one minute after application.

B. Paint Drying: Tack free by touch so as not to require coning or other traffic control devices to prevent transfer by vehicle tires within 10 minutes after application.

1.4 SUBMITTALS

A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.

B. Product Data: Submit paint formulation for each type of paint and glass beads if required.

C. Manufacturer's Certificate: Certify products meet or exceed specified requirements.

D. Manufacturer's Installation Instructions: Submit instructions for application temperatures, eradication requirements, application rate, line thickness, and application of glass beads if required.

1.5 QUALITY ASSURANCE

A. Perform Work in accordance with Division 716 of TDOT Standard Specifications.

B. Maintain one copy of document on site.

1.6 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing Products specified in this section with minimum 5 years experience.

B. Applicator: Company specializing in performing work of this section with minimum 5 years experience.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Section 01 60 00 - Product Requirements: Requirements for transporting, handling, storing, and protecting products.

B. Invert containers several days prior to use when paint has been stored more than two months. Minimize exposure to air when transferring paint. Seal drums and tanks when not in use.

C. Where glass beads are required, store glass beads in cool, dry place. Protect from contamination by foreign substances.

1.8 ENVIRONMENTAL REQUIREMENTS

A. Section 01 60 00 - Product Requirements: Environmental conditions affecting products on site.

C. Do not apply materials when surface and ambient temperatures are outside temperature ranges required by paint product manufacturer or:

1. Waterborne Paint: Apply when ambient air temperature and surface temperature is minimum 40 degrees F and rising and a maximum of 160 degrees F.
2. Thermoplastic: Do not apply until ambient air temperature and temperature of the pavement is 50 degrees F or higher.

C. Do not apply materials during rain or snow when relative humidity is outside humidity ranges or moisture content of surfaces exceed those required by paint product manufacturer.

D. Volatile Organic Content (VOC). Do not exceed State or Environmental Protection Agency maximum VOC on traffic paint.

PART 2 PRODUCTS

2.1 PAINTED PAVEMENT MARKINGS

A. Manufactures:

1. Ennis Paint Co., (ennispaint.com).
2. Franklin Paint Company (franklinpaint.com).
3. EZ-Liner Industries (ezliner.com).
4. TAPCO, Inc. (tapconet.com).
5. Pervo Paint Company (pervo.com).
6. Substitutions: Equal per Section 01 60 00 – Product Requirements.

B. Furnish materials in accordance with Division 716 of TDOT Standard Specifications.

C. Waterborne Paint: Ready mixed, fast dry waterborne traffic paints, lead-free, non-toxic, suitable for roadway or parking lots.

D. Thermoplastic: Alkyd based ready mixed, fast dry, lead free, non toxic, for roadways.

E. Glass Beads: AASHTO M247, Type 1, coated to enhance embedment and adherence with paint.

2.2 EQUIPMENT

A. Roadway Application for Continuous Longitudinal Lines: Use equipment with following capabilities.

1. Dual nozzle paint gun to simultaneously apply parallel lines of indicated width in solid or broken patterns or various combinations of those patterns.
2. Pressurized bead-gun to automatically dispense glass beads onto painted surface, at required application rate.
3. Measuring device to automatically and continuously measure length of each line placed, to nearest foot.
4. Device to heat paint to manufacturer’s temperature recommendation for fast dry and thermoplastic applications.

B. Machine Calibration: Calibrate machines to meet specified tolerances.

C. Other Equipment: For application of crosswalks, intersections, stop lines, legends and other miscellaneous items by walk behind stripers, hand spray or stencil trucks, apply with equipment meeting requirements of this section. Do not use hand brushes or rollers. Optionally apply glass beads by hand.

PART 3 EXECUTION

3.1 EXAMINATION

A. Section 01 30 00 - Administrative Requirements: Verification of existing conditions before starting work.

B. Do not apply paint to concrete surfaces until concrete has cured for 28 days.

3.2 PREPARATION

A. Maintenance and Protection of Traffic:

1. Provide short term traffic control in accordance with Section 01 50 00 - Temporary Facilities and Controls.
2. Prevent traffic from interrupting or driving on newly applied markings before markings dry.
3. Maintain roadway travel lanes between 7:00 a.m. to 9:00 a.m. and between 4:00 p.m. and 6:00 p.m.
4. Maintain access to existing businesses and other properties requiring access.

B. Surface Preparation.

1. Clean and dry paved surface prior to painting.
2. Blow or sweep surface free of dirt, debris, oil, grease, or gasoline.
3. Spot location of final pavement markings as specified and as indicated on Drawings by applying pavement spots 25 feet on center.
4. Notify Engineer after placing pavement spots and minimum three days prior to applying traffic lines.

3.3 EXISTING WORK

A. Remove existing markings in an acceptable manner. Do not remove existing pavement markings by painting over with black paint. Remove by methods that will cause least damage to pavement structure or pavement surface. Satisfactorily repair any pavement or surface damage caused by removal methods.

B. Clean and repair existing or remaining lines and legends.

3.4 APPLICATION

A. Agitate paint for 1-15 minutes prior to application to ensure even distribution of paint pigment.

B. Dispense paint at temperature recommended by manufacturer to wet-film thickness of 15 mils.

C. Dispense thermoplastic at temperature recommended by manufacture to thickness of:

1. 120 mils for center lines, skip lines, transverse markings, and legends.
2. 90 mils for edge lines diagonals and arrow symbols.

D. Apply glass beads at rate of 1 to 3 pounds per gallon of paint.

E. Apply markings to indicated dimensions at indicated locations.

F. Prevent splattering and over spray when applying markings.

G. Unless material is track free at end of paint application convoy, use traffic cones to protect markings from traffic until track free.

H. When vehicle crosses a marking and tracks it or when splattering or overspray occurs, eradicate affected marking and resultant tracking and apply new markings.

I. Collect and legally dispose of residues from painting operations.

3.5 APPLICATION TOLERANCES

A. Section 01 40 00 - Quality Requirements: Tolerances.

B. Maximum Variation from Wet Film Thickness: 1 mil.

C. Maximum Variation from Wet Paint Line Width: Plus or minus 1/8 inch.

D. Maintain cycle length for skip lines at tolerance of plus or minus 6 inches per 40 feet and line length or plus or minus 3 inches per 10 feet.

E. Maximum Variation from Specified Application Temperature: Plus or minus 5 degrees F.

3.6 FIELD QUALITY CONTROL

A. Section 01 40 00 - Quality Requirements: Field inspecting, testing, adjusting, and balancing.

B. Inspect for incorrect location, insufficient thickness, line width, coverage, retention, uncured or discolored material, and insufficient bonding.

C. Repair lines and markings which after application and curing do not meet following criteria:

1. Incorrect Location: Remove and replace incorrectly placed patterns.
2. Insufficient Thickness, Line Width, Paint Coverage, Retention or Glass Bead Coverage (where required): Prepare defective material by acceptably grinding or blast cleaning to remove substantial amount of beads and to roughen marking surface. Remove loose particles and debris. Apply new markings on cleaned surface in accordance with this Section.
3. Uncured or Discolored Material, Insufficient Bonding: Remove defective markings in accordance with this Section and clean pavement surface one foot beyond affected area. Apply new markings on cleaned surface in accordance with this Section.

D. Replace failed or defective markings in entire section of defective markings within 30 days after notification when any of the following exists:

1. Marking is discolored or exhibits pigment loss and is determined to be unacceptable by visual comparison with beaded color plates.

2. If glass beads are used, the average retro-reflectivity is less than 375 mcd/m2/1x for white pavement markings and 250 mcd/m2/1x for yellow pavement markings.

E. When eradication of existing paint lines is necessary, eradicate by shot blast or water blast method. Do not gouge or groove pavement more than 1/16 inch during removal. Limit area of removal to area of marking plus 1 inch on all sides. Prevent damage to transverse and longitudinal joint sealers, and repair any damage according to requirements in Section 32 12 16 or Section 32 13 13.

F. Maintain daily log showing work complete, results of inspections or tests, pavement and air temperatures, relative humidity, presence of any moisture on pavement, and any material or equipment problems. Make legible entries in log in ink, sign, and submit by end of each work day. Enter environmental data into log prior to starting work each day and at two additional times during day.

3.7 PROTECTION OF FINISHED WORK

A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for protecting finished Work.

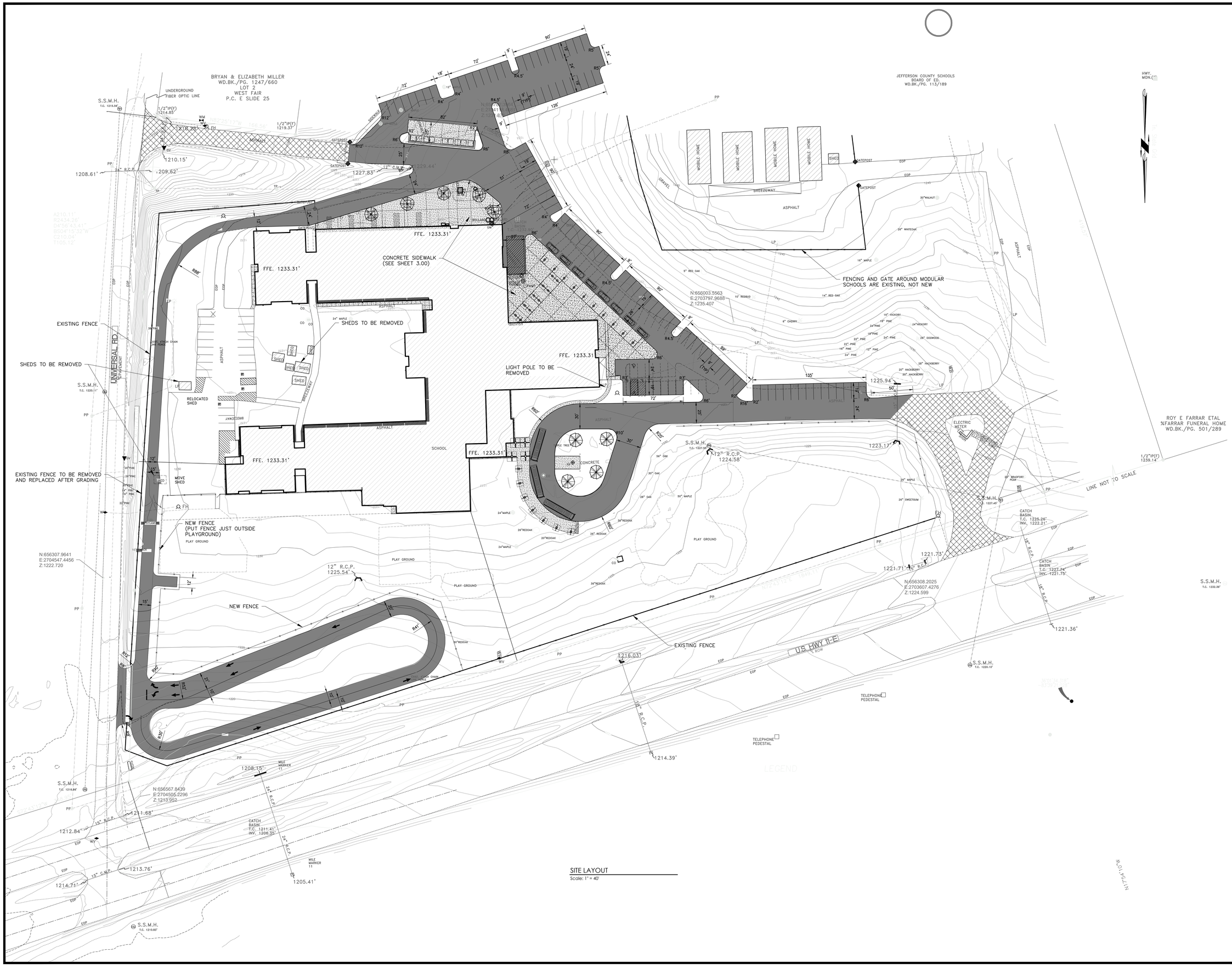
B. Protect painted pavement markings from vehicular and pedestrian traffic until paint is dry and track free. Follow manufacturer's recommendations or use minimum of 30 minutes. Consider barrier cones as satisfactory protection for materials requiring more than two minutes dry time.

3.8 SCHEDULES

A. Pavement Markings:

Items	Location
4 inch white paint	Parking lot lines
4 inch yellow paint	Parking lot lane lines
24 inch white thermoplastic	Stop line
4 inch yellow thermoplastic	Roadway center lines
4 inch white thermoplastic	Roadway edge lines

END OF SECTION 32 17 23



SITE LAYOUT

Scale: 1" = 40'

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Seal



Date: 9-01-2026
Drawn By: BS
Checked By: WRB
Project Number: 24-05

Revisions

No.	Date:
Revision 1	11/03/26

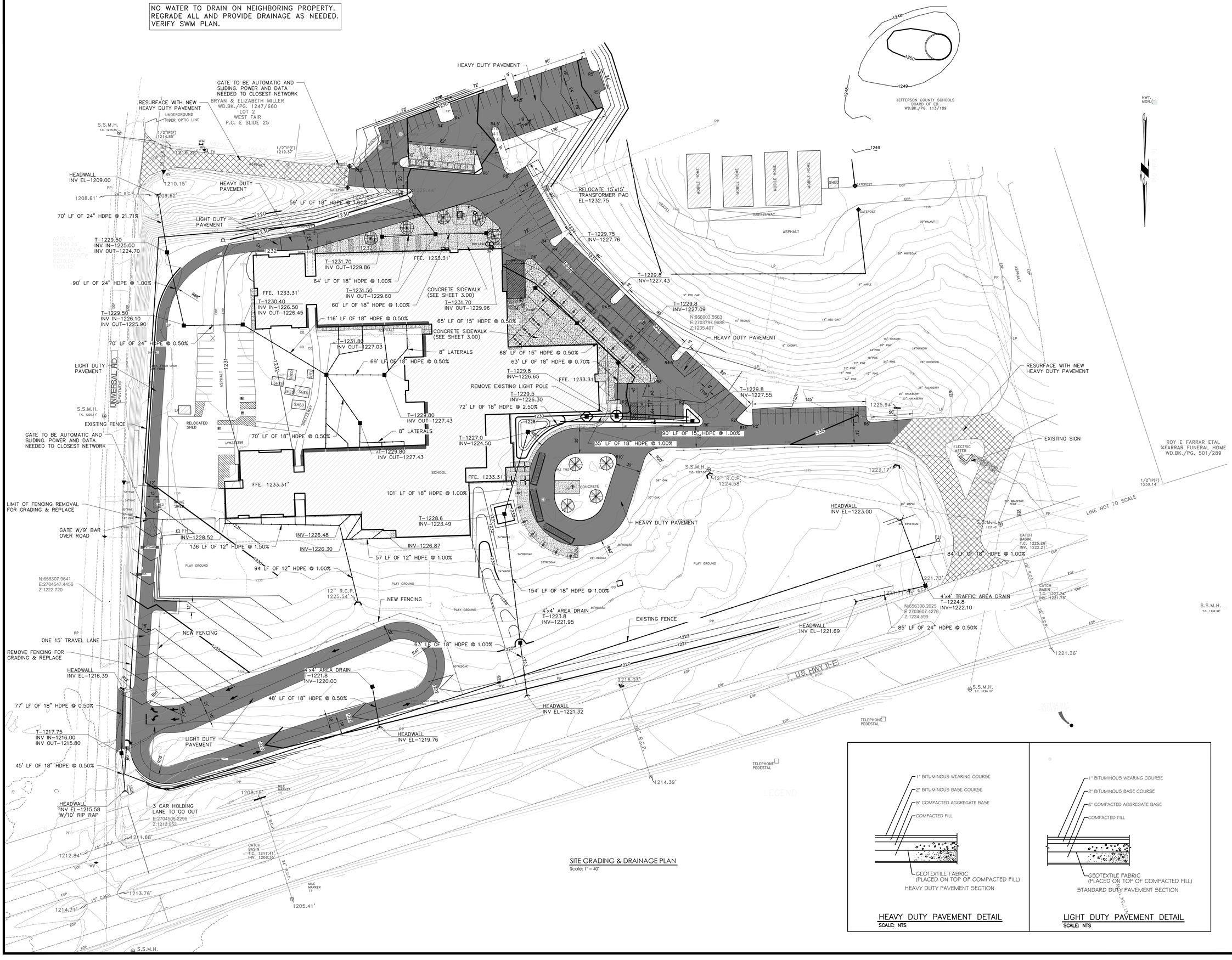
Drawing Title:

Site Layout

Drawing No.:

C1.00

NO WATER TO DRAIN ON NEIGHBORING PROPERTY.
REGRADE ALL AND PROVIDE DRAINAGE AS NEEDED.
VERIFY SWM PLAN.



SITE GRADING & DRAINAGE PLAN
Scale: 1" = 40'

HEAVY DUTY PAVEMENT DETAIL
SCALE: NTS

LIGHT DUTY PAVEMENT DETAIL
SCALE: NTS

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Seal



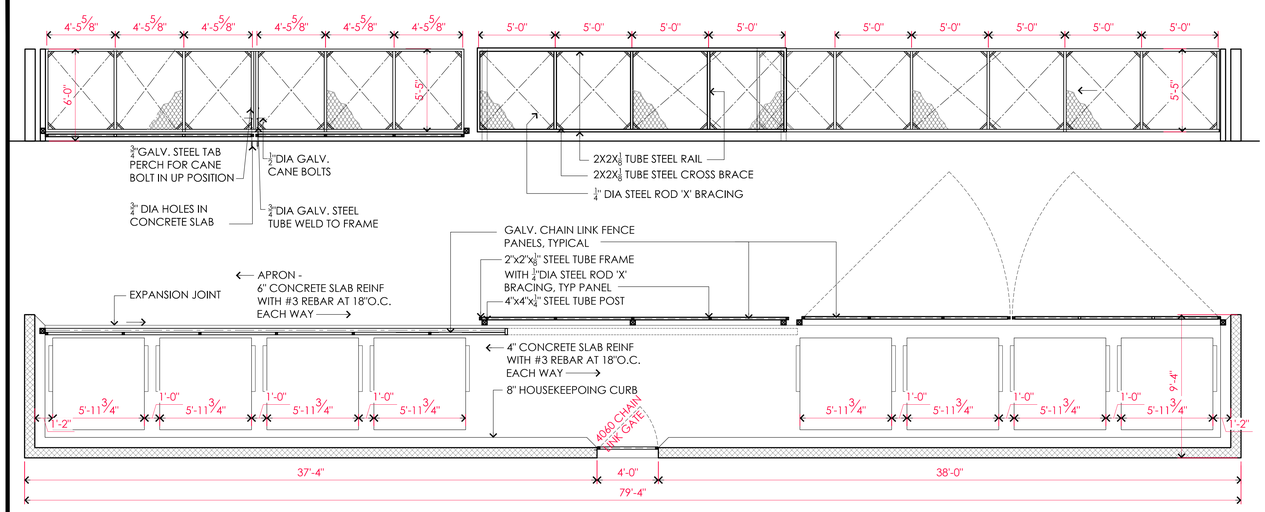
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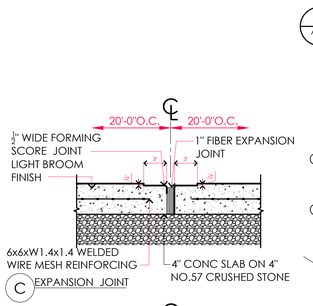
Revisions

No.	Date:
Revision 1	11/03/26

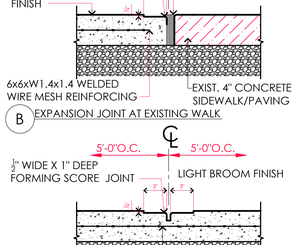
Drawing Title:
Site Grading & Drainage Plan

Drawing No.:
C2.00





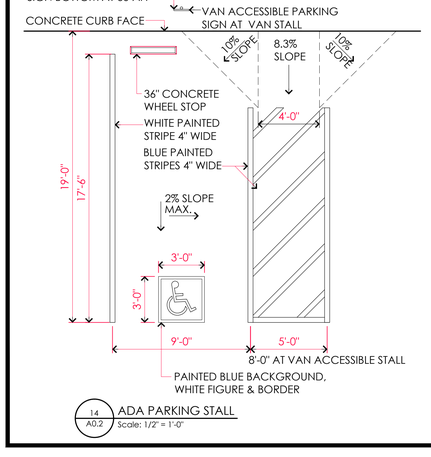
C EXPANSION JOINT



B EXPANSION JOINT AT EXISTING WALK

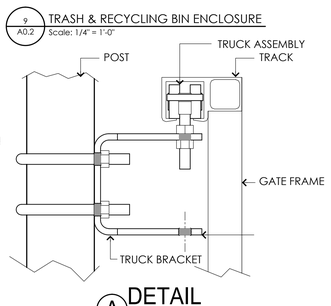
A CONTROL JOINT

15 A0.2 EXPANSION & CONTROL JOINTS
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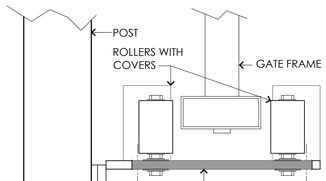


14 A0.2 ADA PARKING STALL
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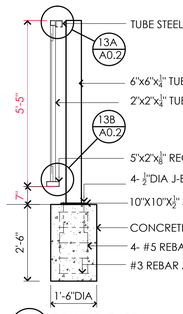
9 A0.2 TRASH & RECYCLING BIN ENCLOSURE
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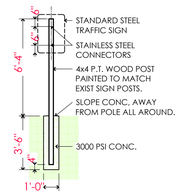
A DETAIL



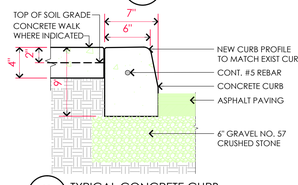
13 A0.2 GATE TRACK/ROLLERS
NO Scale



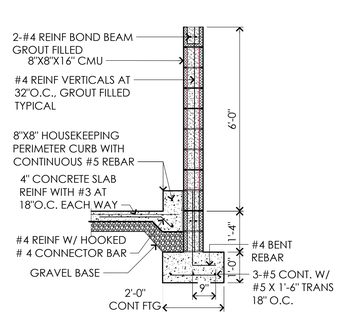
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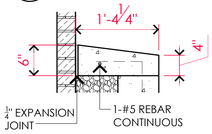
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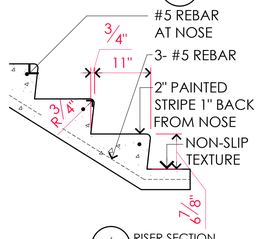
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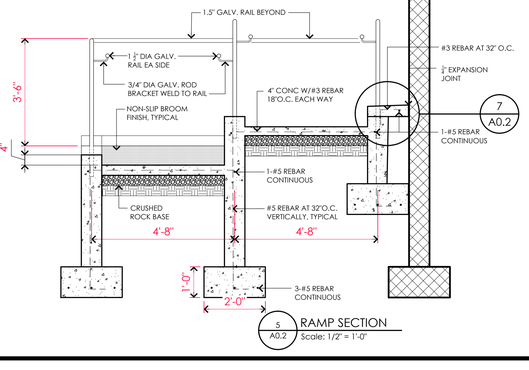
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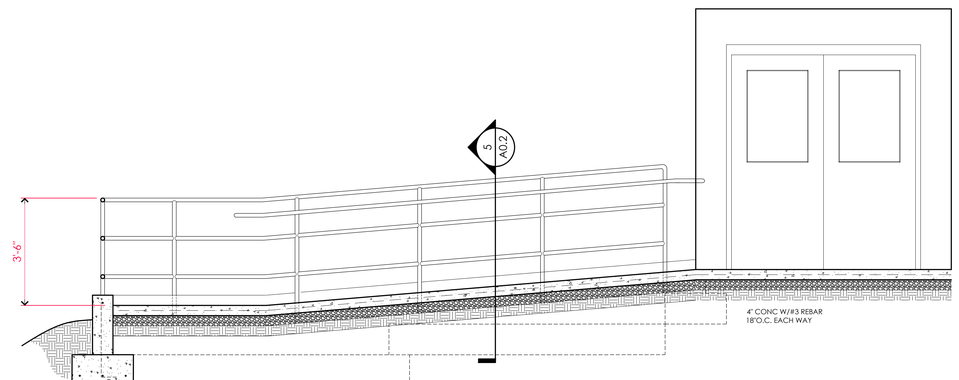
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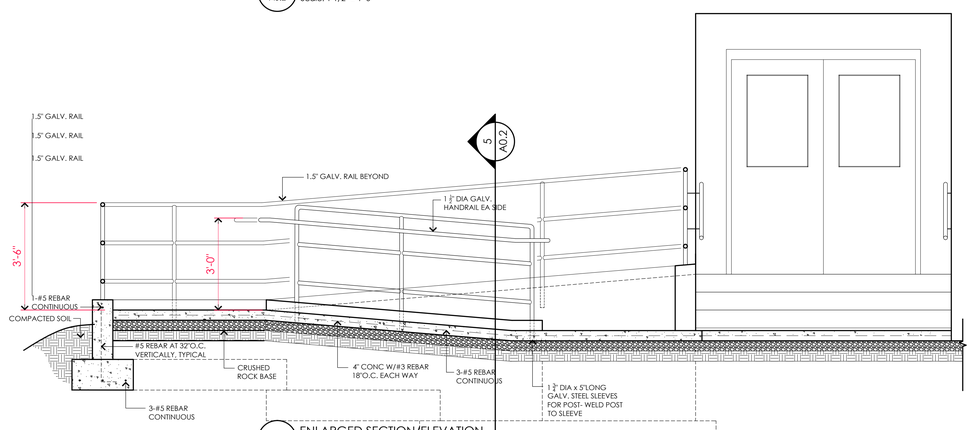
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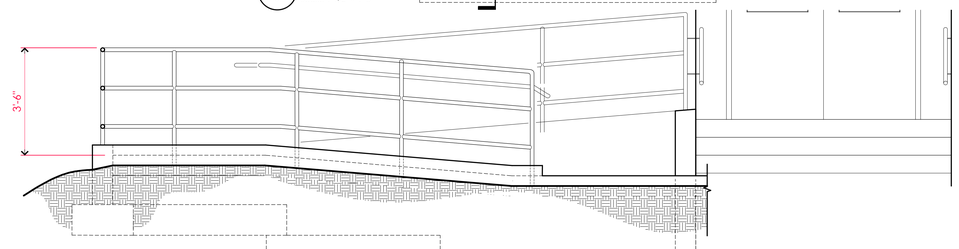
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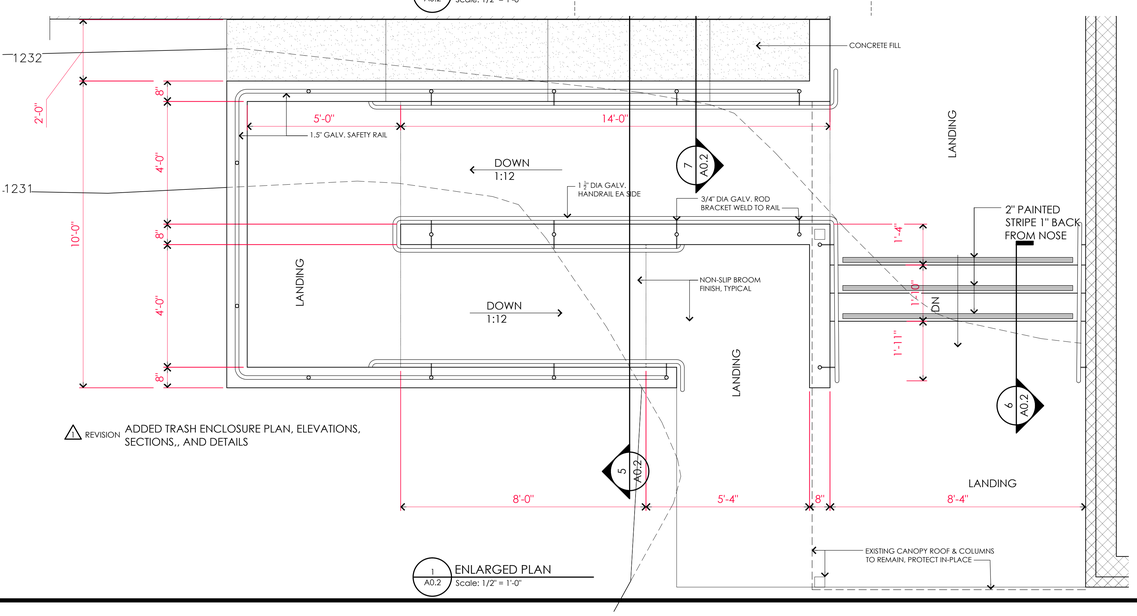
4 A0.2 ENLARGED SECTION/ELEVATION
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3 A0.2 ENLARGED SECTION/ELEVATION
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2 A0.2 ENLARGED ELEVATION
Scale: 1/2" = 1'-0"



1 A0.2 ENLARGED PLAN
Scale: 1/2" = 1'-0"

⚠ REVISION ADDED TRASH ENCLOSURE PLAN, ELEVATIONS, SECTIONS,, AND DETAILS

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Seal



Date: 07-31-2026
Drawn By: BS/BR
Checked By: WRB
Project Number: 24-10

Revisions

No.	Date:
⚠ REVISION	11-6-2026

Drawing Title:
Site Details

Drawing No.:
A0.2 ⚠

GENERAL NOTES

1. ~~FIELD VERIFY ALL DIMENSIONS & ELEVATIONS OF EXISTING CONDITIONS~~ AFFECTING THIS PROJECT, PRIOR TO FABRICATION OR INSTALLATION OF NEW WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES FROM DIMENSIONS SHOWN, NOTED, OR REQUIRED.
2. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION, IN WRITING, FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
3. DIMENSIONS ARE TO FACE OF STUD AND FACE OF CONCRETE OR MASONRY UNLESS OTHERWISE NOTED. DIMENSIONS NOTED AS CLEAR "CLR" ARE FINISH TO FINISH UNLESS NOTED OTHERWISE ON FLOOR PLANS, ENLARGED PLANS, OR WALL SECTIONS.
4. WHERE A DETAIL IS SHOWN OR NOTE IS DESCRIBED FOR ONE CONDITION IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY NOTED ON THE DRAWINGS.
5. REFER TO PARTITION LEGEND FOR TYPICAL WALL TYPES AND FIRE RATINGS. ALL WALL TYPES SHALL CONFORM TO THE PARTITION LEGEND UNLESS INDICATED OTHERWISE ON FLOOR PLANS, ENLARGED PLANS OR WALL SECTIONS.
6. FIRE RATED AND SMOKE PARTITIONS SHALL EXTEND TO THE UNDERSIDE OF THE STRUCTURAL DECK AND BE SEATED TIGHTLY WITH NON-COMBUSTIBLE SEALANT. FIRE RATED AND SMOKE WALLS SHALL BE LABELED ABOVE CEILING WITH PAINTED STENCILING AS REQUIRED BY CODE.
7. PENETRATIONS OF FIRE RATED WALLS, FLOOR/CEILING ASSEMBLIES AND ROOF/CEILING ASSEMBLIES BY ELECTRICAL CABLES, CABLE TRAYS, ELECTRICAL CONDUIT, MECHANICAL PIPING OR PLUMBING PIPING SHALL BE PROTECTED BY THROUGH PENETRATION FIRE STOP SYSTEMS AS TESTED BY RECOGNIZED TESTING LABORATORIES IN ACCORDANCE WITH UL 1479 "FIRE TESTS OF THROUGH PENETRATION FIRE STOPS."
8. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF EQUIPMENT.
9. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF ANY MILLWORK OR COUNTERS.
10. PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING UNLESS NOTED OTHERWISE FOR ALL WALL MOUNTED MILLWORK, SHELVES, EQUIPMENT, COAT RODS, ETC., AND GROUNDS FOR ALL ACCESSORIES, EQUIPMENT, AND DEVICES SPECIFIED UNDER THE CONTRACT AND AS INDICATED FOR INSTALLATION OF EQUIPMENT BY OTHERS OR TO BE PROVIDED BY OWNER.
11. ALL EXPOSED WELDED JOINTS ARE TO BE GROUND TO A SMOOTH FINISH.
12. PROVIDE CONTINUOUS SEPARATION BETWEEN DISSIMILAR MATERIALS AS REQUIRED TO PREVENT GALVANIC CORROSION.
13. FOR ALL WALL PARTITION OPENINGS REQUIRED FOR MECHANICAL, PLUMBING, AND ELECTRICAL WORK, PROVIDE LINTELS SIZED IN ACCORDANCE WITH SCHEDULE SHOWN ON DRAWINGS.
14. INTERIOR FINISHES ARE REQUIRED TO HAVE A MINIMUM CLASS "C" FLAME SPREAD AND SMOKE-DEVELOPED INDEX WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
15. PROVIDE & INSTALL FIRE OR SMOKE DAMPERS AT OPENINGS OR DUCTS PASSING THROUGH DESIGNATED FIRE OR SMOKE PARTITIONS.
16. CONTRACTOR SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
17. REPRODUCTION OF ARCHITECTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
18. FIELD MEASUREMENTS: WHERE WORK IS INDICATED TO FIT TO OTHER CONSTRUCTION, VERIFY DIMENSIONS OF OTHER CONSTRUCTION BY FIELD MEASUREMENTS BEFORE FABRICATION, AND INDICATE MEASUREMENTS ON SHOP DRAWINGS. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING WORK. IF WORK PROCEEDS WITHOUT FIELD MEASUREMENTS, THE CONTRACTOR ASSUMES RESPONSIBILITY FOR ANY CORRECTIVE ACTION NECESSARY FOR COORDINATION OF THE WORK.
19. **PRIOR TO INSTALLATION**, ALL PROPOSED ROOF PENETRATIONS MUST BE SUBMITTED BY THE GENERAL CONTRACTOR TO THE OWNER AND THE OWNER'S ROOFING CONTRACTOR FOR APPROVAL.
20. NO SURFACE MOUNTED CONDUITS PERMITED ON EXPOSED WALL SURFACES.
21. SHELVING AND FINISHED CASEWORK ARE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS NOTED OTHERWISE.

RENOVATION KEYNOTES (CONTINUED):

30. EJ = EXPANSION JOINT WHERE INDICATED
31. 4" CONCRETE SLAB REINF W/#3 REBAR AT 15'O.C. EACH WAY OVER 4.81' GRAVEL BASE ON EXISTING SLAB. FIN.FL. 1233.31'
32. 4" CONCRETE SLAB REINF W/#3 REBAR AT 15'O.C. EACH WAY OVER 1.5' GRAVEL BASE ON EXISTING SLAB. FIN.FL. 1233.31'
33. 4" CONCRETE SLAB REINF W/#3 REBAR AT 15'O.C. EACH WAY OVER 1.17' GRAVEL BASE ON EXISTING SLAB. FIN.FL. 1233.00'
31. 4" CONCRETE SIDEWALK REINF.W/4x4 #10 WELDED WIRE MESH BLOCKED AT CENTER OF CONCRETE.
32. REMOVE EXISTING STOREFRONT SYSTEM & REPLACE WITH DUAL GLAZED SYSTEM.
33. REPLACE BASKETBALL BACKBOARD, HOOP, SUPPORTS, AND RETRACTION SYSTEM THAT RAISES BACKBOARD.
34. REMOVE EXISTING SOUND PANELS. INSTALL FABRIC COVERED SOUND PANELS IN CONTINUOUS BAND, BOTTOM AT 7'-4" A.F.F.
35. INSTALL 4'X4' FABRIC COVERED SOUND PANELS IN CONTINUOUS BAND, TOP AT 6'-8" A.F.F. - REFER 4/A9.0
36. INSTALL FABRIC COVERED SOUND PANELS AT EACH INFILLED TRANSOM IN CORRIDORS BOTTOM AT 7'-4" A.F.F.±. REFER 2/A9.0.
37. REMOVE EXISTING WALL COVERINGS AND CARPET TILE FLOORING, PREP FOR NEW.
38. RE-INSTALL EXISTING DISPLAY CASES.
39. EXISTING FLOORING, CASEWORK, AND SHELVING TO REMAIN; PROTECT IN PLACE.
40. REPLACE EXISTING BLEACHERS WITH SAME TYPE, LENGTH, AND NUMBER OF TIERS.

NEW PARTITION LEGEND

GRAPHIC	DESCRIPTION	RATING
C1	3 5/8" STEEL STUDS AT 16" O.C. WITH ONE (1) LAYER OF 5/8" GYPSUM BOARD ON EACH SIDE. EXTEND TO BOTTOM OF DECK; W/CONTINUOUS SOUND ATTENUATION BATTING VERTICAL + HORIZONTAL	NOT RATED
C2	6" STEEL STUDS AT 16" O.C. WITH ONE (1) LAYER OF 5/8" TYPE X GYPSUM BOARD ON EACH SIDE. EXTEND TO BOTTOM OF DECK; W/CONTINUOUS SOUND ATTENUATION BATTING.	NOT RATED
C3	3 5/8" STEEL STUDS AT 16" O.C. WITH ONE(1) LAYER OF 5/8" GYPSUM BOARD ON ONE SIDE. EXTEND TO BOTTOM OF DECK.	NOT RATED
B1	8" CONCRETE MASONRY UNIT REINFORCED PER STRUCTURAL DETAILING EXTEND TO BOTTOM OF DECK.	NOT RATED
B2	4" CONCRETE MASONRY UNIT REINFORCED PER STRUCTURAL DETAILING EXTEND TO BOTTOM OF DECK.	NOT RATED
B3	12" CONCRETE MASONRY UNIT REINFORCED PER STRUCTURAL DETAILING EXTEND TO BOTTOM OF DECK, WITH 3/4" FURRING CHANNELS & 5/8" GYP.BD.	NOT RATED
B4	6" CONCRETE MASONRY UNIT REINFORCED PER STRUCTURAL DETAILING EXTEND TO BOTTOM OF DECK.	NOT RATED

TYPICAL RENOVATION KEYNOTES APPLICABLE TO ALL ROOMS U.N.O.:

1. PATCH & REPAIR WALLS FROM DEMOLISHED CONDUITS & WIRE
2. PATCH & REPAIR AT REMOVAL OF DUCT & MECHANICAL EQUIPMENT
3. PATCH & REPAIR AT OVERFLOW PIPE REMOVAL AREAS
4. PATCH & REPAIR AT SURFACE MOUNTED DATA WIRE LOCATIONS
5. PATCH & REPAIR AT EXISTING PROJECTOR/ MONITOR LOCATION
6. PATCH & REPAIR AT CHAULK/ MARKER BOARDS MOUNTING LOCATIONS
7. PATCH & REPAIR AT MILLWORK & STORAGE UNITS DEMO LOCATIONS
8. PATCH & REPAIR AT DEMOLISHED WINDOW ROD LOCATIONS
9. PATCH & REPAIR DEMOLISHED FLOORING & BASEBOARDS LOCATIONS
10. PATCH & REPAIR AT CEILING/LIGHTING SUPPORT LOCATIONS
11. PATCH & REPAIR WHERE EXISTING PLASTER CEIILING WAS REMOVED
12. PATCH & REPAIR WHERE MECHANICAL PIPING WAS REMOVED
13. PATCH & REPAIR SURFACES WHERE PLUMBING FIXTURES REMOVED
14. PREP EXISTING DOOR FRAMES TO RECEIVE NEW DOORS, U.N.O.

RENOVATION KEYNOTES:

15. PREP & INSTALL FOR FLOOR FINISH
16. INSTALL HARDWOOD FLOOR RE-STRIPE FOR BASKETBALL, VOLLEYBALL, & 4 SQ., CENTER B-BALL COURT ON BACKBOARD
17. INSTALL HARDWOOD FLOOR, STAIRS, BASE & TRIM AT PLATFORM AREA
18. PROVIDE & INSTALL NEW ENTRY CANOPY, COLUMNS, AND WALKWAY
19. INSTALL ADMINISTRATION WALLS, DOORS, WINDOWS, CEILING, LIGHTING, FLOORING, BASE AND FINISHES AS INDICATED IN PLANS
20. INSTALL CONCRETE FLOOR, CMU WALLS, FRAME WALLS, TOILET PARTITIONS, PLUMBING, CEILINGS, FLOORING, FINISHES, AND MECHANICAL, COMPLETE
21. INSTALL LIGHTING, CEILINGS, AND MECHANICAL, COMPLETE,
22. INSTALL FINISHES, MILLWORK, PLUMBING, MECHANICAL, FLOORING, CEILINGS, TO RECEIVE KITCHEN EQUIPMENT
23. CLOSE OFF TUNNEL WITH 8" REINFORCED EDCONCRETE WALL BELOW FLOOR/WALL OF CLASSROOM ABOVE
24. PREP WALLS & CEILINGS TO RECEIVE NEW PLUMBING, LIGHTING, ELECTRICAL CONTROLS, AND MECHANICAL EQUIPMENT. REFER TO & COORDINATE WITH SAID DISCIPLINES.
25. INSTALL STORED SAFETY PADS ON WALL
26. INSTALL 4'x6' SOUND PANELS ON WALL
27. REMOTE CONTROLLED SCOREBOARD
28. SAWCUT CMU WALL FOR PR3070 DOOR
29. CONTROL JOINTS @5' O.C. TYPICAL; EXPANSION JOINTS WHERE INDICATED

1 REVISION - REPLACE BLEACHERS (NOTE 40)

1 A2.0 FLOOR PLAN
Scale: 1/16" = 1'-0"

2 A2.0 PLAN VIEW AT 10" A.F.F.
Scale: 1/16" = 1'-0"

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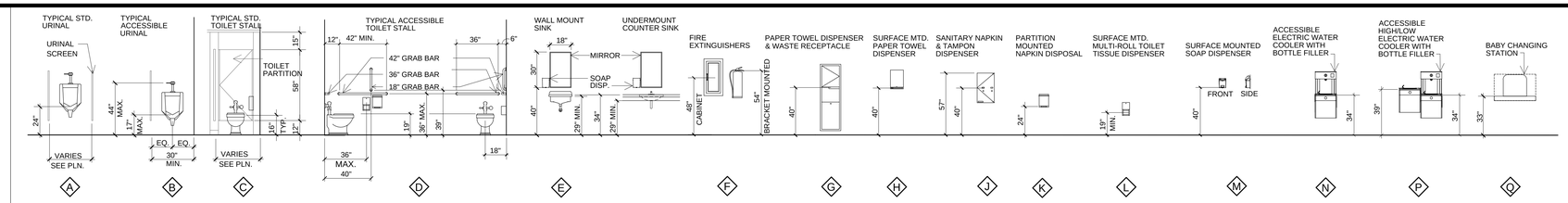
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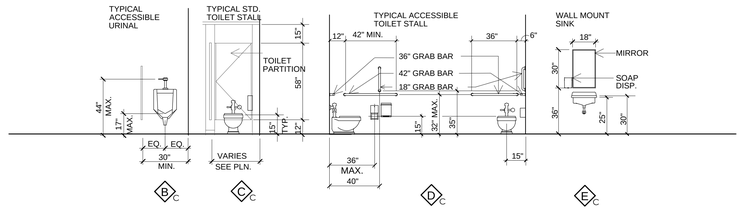
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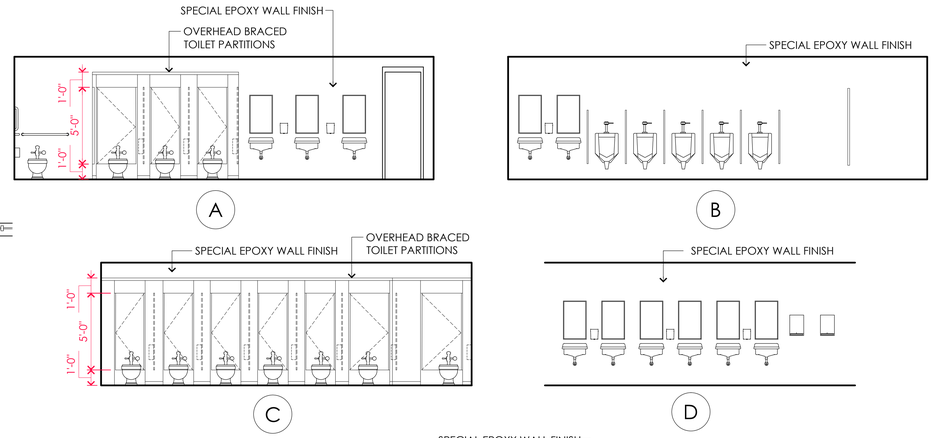
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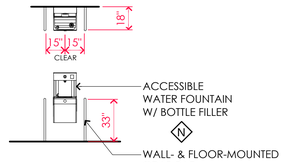


TYPICAL ACCESSORIES AND TOILET FIXTURE ELEVATION DETAILS
Scale: 1/4" = 1'-0"

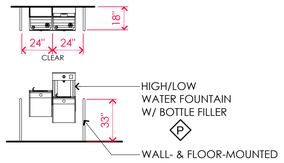


CHILDRENS' ACCESSORIES AND TOILET FIXTURE ELEVATION DETAILS
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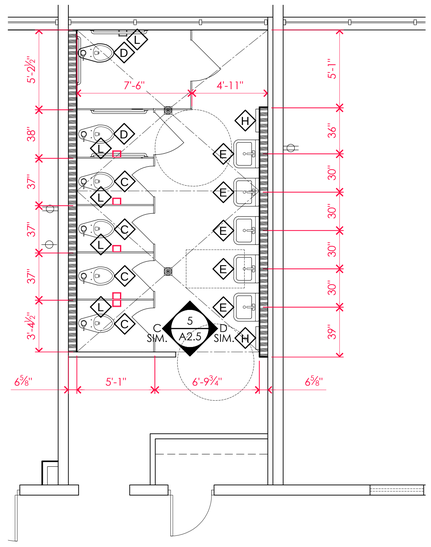


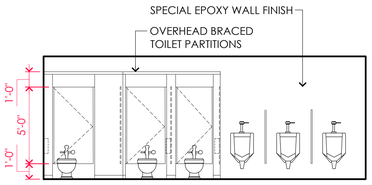


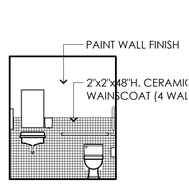
6 A2.5 SINGLE WATER FOUNTAIN PLAN & ELEVATION
Scale: 1/4" = 1'-0"



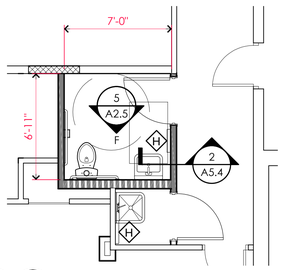
7 A2.5 HIGH/LOW WATER FOUNTAIN PLAN & ELEVATION
Scale: 1/4" = 1'-0"



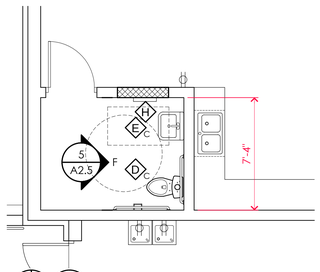




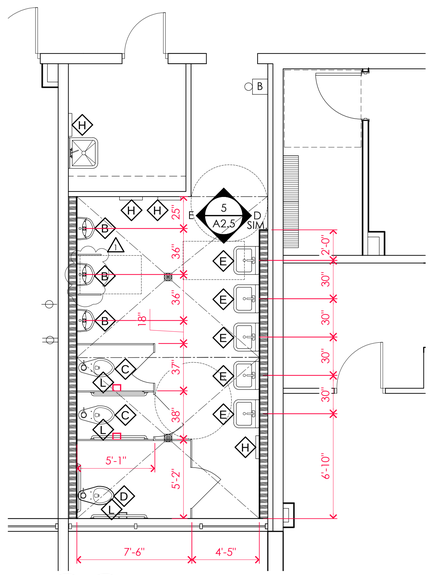
5 A2.5 RESTROOM ELEVATIONS
Scale: 1/4" = 1'-0"



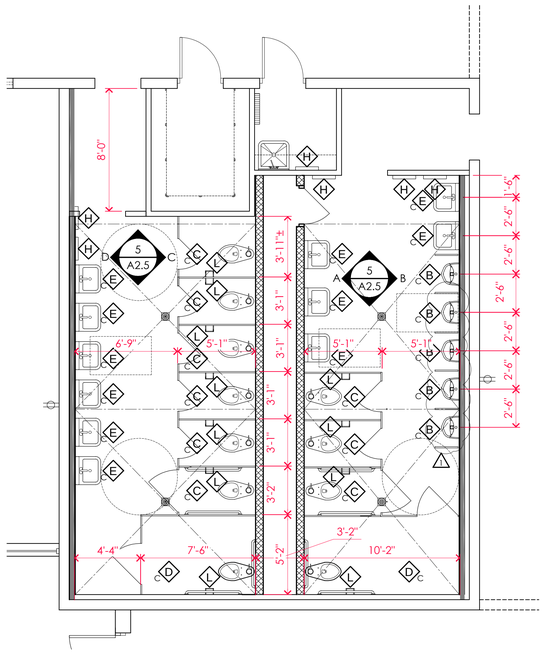
4 A2.5 RESTROOM FLOOR PLAN
Scale: 1/4" = 1'-0"



3 A2.5 RESTROOM FLOOR PLAN
Scale: 1/4" = 1'-0"



2 A2.5 RESTROOM FLOOR PLAN
Scale: 1/4" = 1'-0"



1 A2.5 RESTROOM FLOOR PLAN
Scale: 1/4" = 1'-0"

⚠ REVISION - INDICATED URINAL SCREENS IN BOYS RESTROOM

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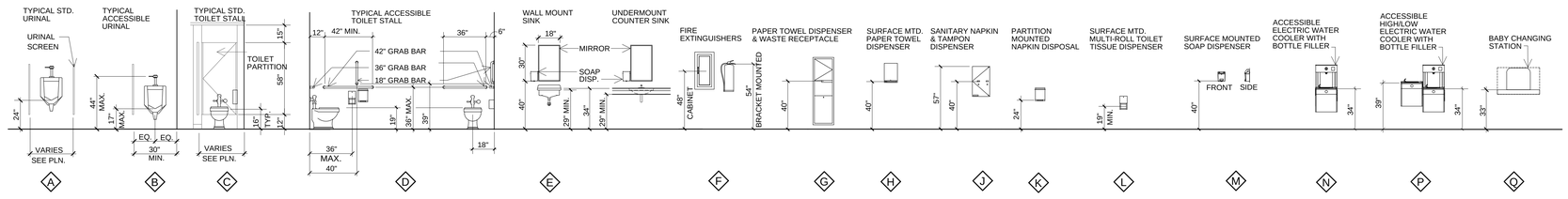
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⚠ REVISION	11-3-2026

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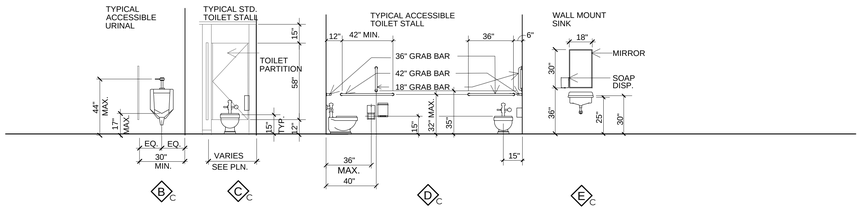
Enlarged Restroom Plans

Drawing No.:

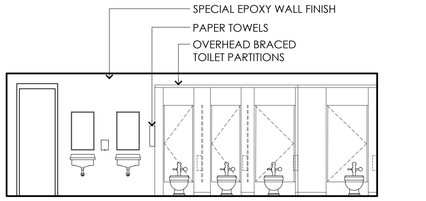
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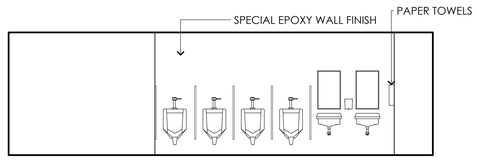
TYPICAL ACCESSORIES AND
TOILET FIXTURE ELEVATION DETAILS
Scale: 1/4" = 1'-0"



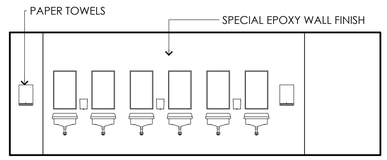
CHILDRENS' ACCESSORIES AND
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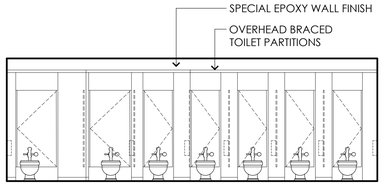
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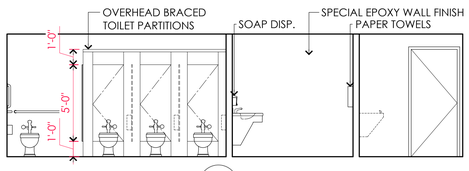
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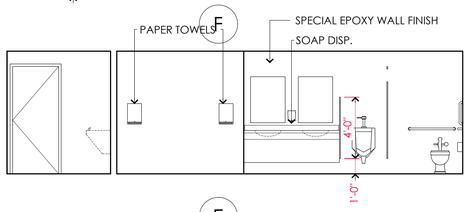
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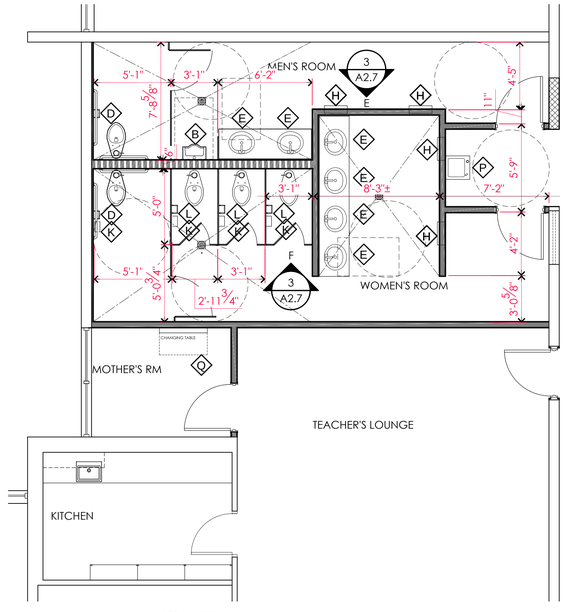


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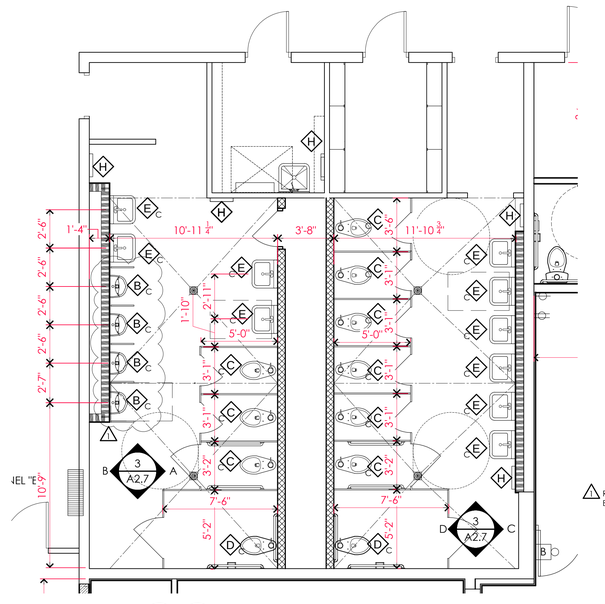


E

3 A2.7 RESTROOM ELEVATIONS
Scale: 1/4" = 1'-0"



2 A2.7 RESTROOM FLOOR PLAN
Scale: 1/4" = 1'-0"



1 A2.7 RESTROOM FLOOR PLAN
Scale: 1/4" = 1'-0"

⚠ REVISION - INDICATED URINAL SCREENS IN BOYS RESTROOM

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Seal

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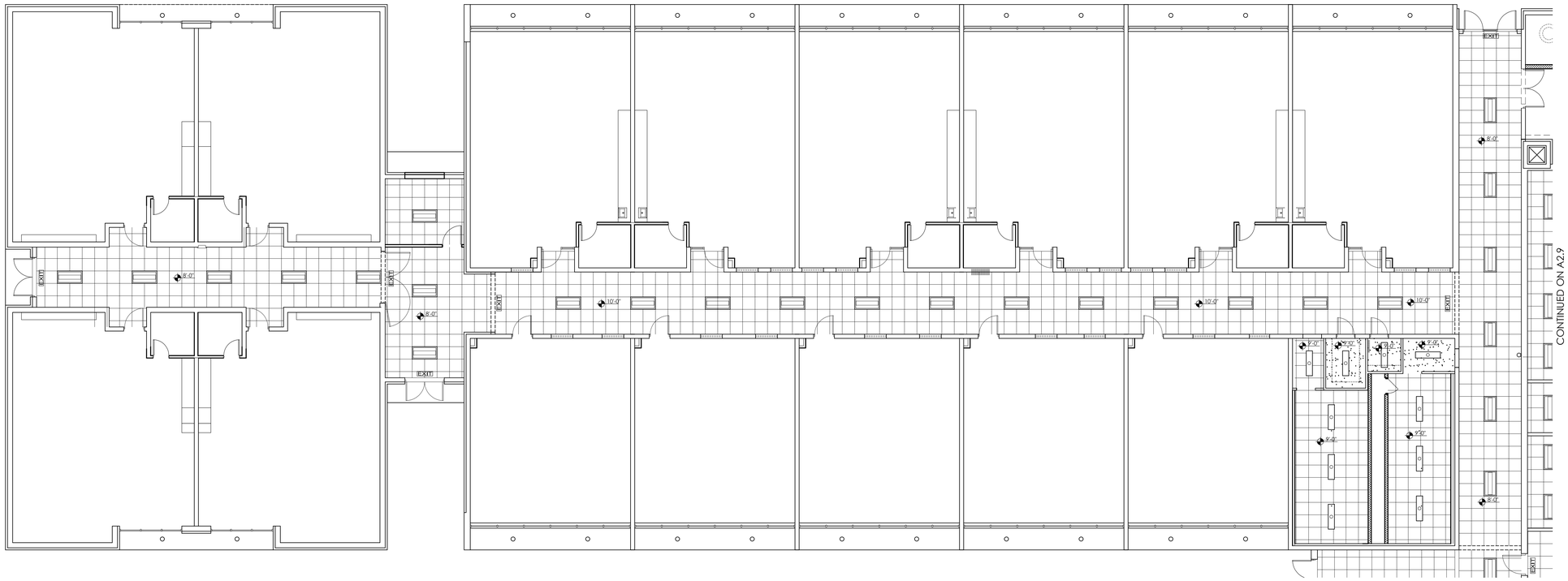
Date: 07-31-2026
Drawn By: BS/BR
Checked By: WRB
Project Number: 24-10

Revisions

No.	Date:
⚠ REVISION	11-3-2026

Drawing Title:
Enlarged Restroom Plans

Drawing No.:
A2.7



2 A2.8 RED HALL REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"

NOTES:

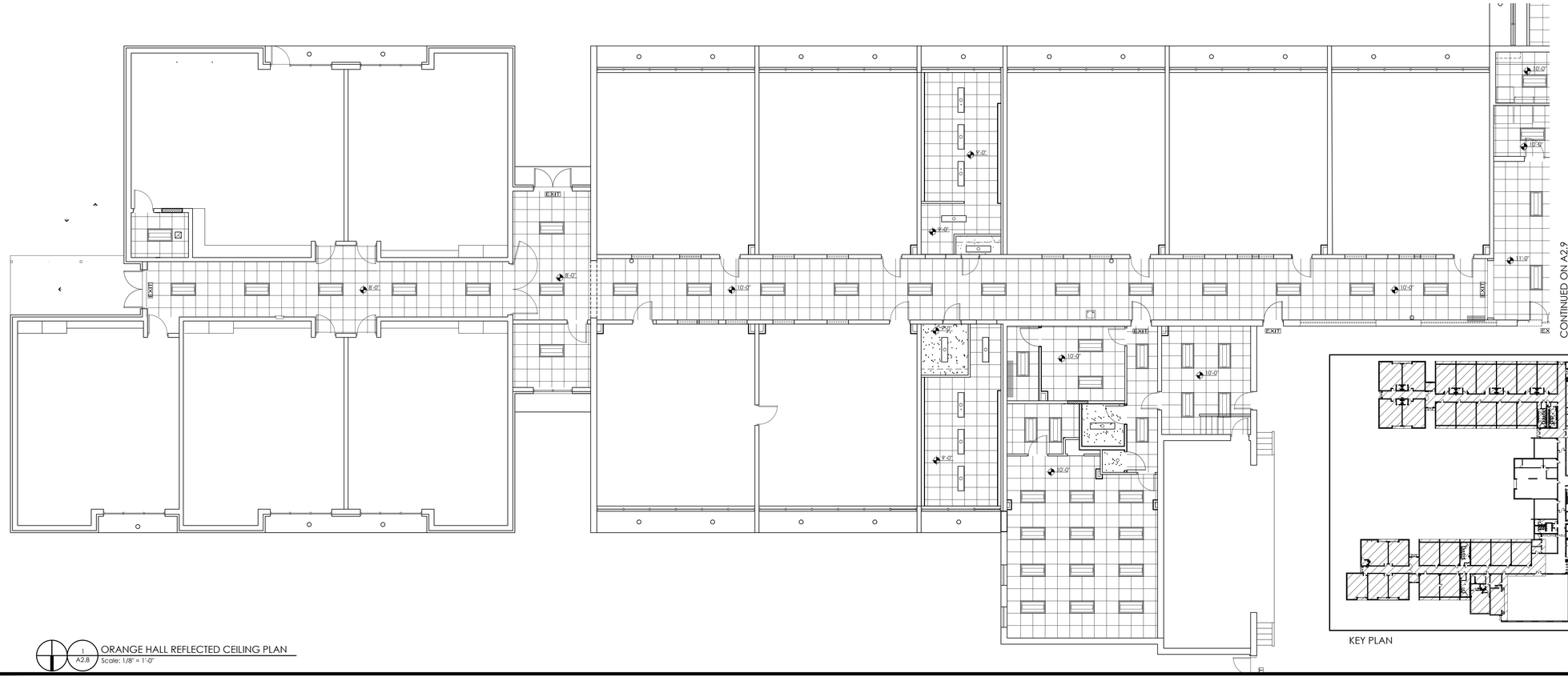
1. COORDINATE RECESSED CAN LIGHT LOCATIONS W/HVAC DUCTS TO ENSURE ADEQUATE CLEARANCE.
2. 1/2" CAULK JOINT WHEREVER GYPSUM BOARD MEETS STRUCTURE.
3. HVAC SUPPLIE GRILLES, RETURNS, SPRINKLER HEADS, & LIGHT FIXTURES ADJACENT TO ONE ANOTHER SHALL BE 24" ON CENTER AND ALIGNED, UNLESS NOTED OTHERWISE.

LEGEND:

- ACT-1: 2'x2' ACOUSTICAL TILE CEILING SYSTEM
- GYPSUM BOARD CEILING
- ACT-2: 2'x4' ACOUSTICAL TILE CEILING SYSTEM
- METAL PANEL CEILING SYSTEM
- OPEN TO STRUCTURE ABOVE OR EXISTING CEILING TO REMAIN
- 2'x4', 2'x2', RECESSED LED LIGHT DIRECT/INDIRECT FIXTURE
- 2'x4', 2'x2', 1'x4' RECESSED LED LIGHT FIXTURE
- SURFACE-MOUNTED OR PENDANT LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- WALL-MOUNTED LIGHT FIXTURE
- SURFACE-MOUNTED OR PENDANT LIGHTING
- COVE LIGHTING
- EXIT LIGHT FIXTURE, NEW DIRECTIONAL EXIT LIGHT FIXTURE
- 2'x2', 1'x1' AIR SUPPLY GRILL
- 2'x2', 1'x1' AIR RETURN GRILL
- EXHAUST GRILL
- PENDANT SPRINKLER HEAD, UPRIGHT, AND SIDEWALL SPRINKLER
- WALL-MOUNTED FIRE ALARM COMBINATION HORN/STROBE UNIT
- WALL-MOUNTED FIRE ALARM VISUAL STROBE UNIT
- SMOKE DETECTOR
- OCCUPANCY SENSOR
- 8'-0" CEILING HEIGHT A.F.F.

GENERAL NOTES:

1. REFER TO SHEETS A3.2 FOR SEISMIC BRACING OF CEILING GRID, AND LIGHT FIXTURES.
2. REFER TO SHEETS A2.2, A2.3, & A2.4 FOR ENLARGED REFLECTED CEILING PLANS
3. COORDINATE WITH MECHANICAL PLANS FOR SUPPLY & RETURN GRILLES
4. COORDINATE WITH ELECTRICAL PLANS FOR ADDITIONAL DEVICES
5. CENTER FIRE SPRINKLER HEADS IN CEILING TILES & ALIGN IN ROWS
6. COORDINATE WITH I.T. DEVICES, PROJECTORS & WI-FI TRANSMITTERS



1 A2.8 ORANGE HALL REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"

⚠ BOYS & GIRLS RESTROOM CEILINGS CHANGE TO ACOUSTICAL TILE CEILING PANELS AND GRID

KEY PLAN

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Date: 07-31-2026
Drawn By: BS/BR
Checked By: WRB
Project Number: 24-10

Revisions

No.	Date:
⚠ 1 REVISION	11-3-2026

Drawing Title:

Red & Orange Halls Reflected Ceiling Plan

Drawing No.:

A3.0



1 A2.9 BLUE HALL REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"

NOTES:

1. COORDINATE RECESSED CAN LIGHT LOCATIONS W/HVAC DUCTS TO ENSURE ADEQUATE CLEARANCE.
2. 1/2" CAULK JOINT WHEREVER GYPSUM BOARD MEETS STRUCTURE.
3. HVAC SUPPLIE GRILLES, RETURNS, SPRINKLER HEADS, & LIGHT FIXTURES ADJACENT TO ONE ANOTHER SHALL BE 24" ON CENTER AND ALIGNED, UNLESS NOTED OTHERWISE.

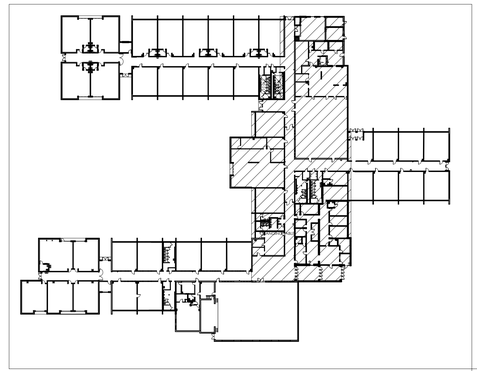
LEGEND:

- ACT-1: 2'x2' ACOUSTICAL TILE CEILING SYSTEM
- GYPSUM BOARD CEILING
- ACT-2: 2'x2' ACOUSTICAL TILE CEILING SYSTEM
- METAL PANEL CEILING SYSTEM
- OPEN TO STRUCTURE ABOVE OR EXISTING CEILING TO REMAIN
- 2'x4', 2'x2', RECESSED LED LIGHT DIRECT/INDIRECT FIXTURE
- 2'x4', 2'x2', 1'x4' RECESSED LED LIGHT FIXTURE
- SURFACE-MOUNTED OR PENDANT LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- WALL-MOUNTED LIGHT FIXTURE
- SURFACE-MOUNTED OR PENDANT LIGHTING
- COVE LIGHTING
- EXIT LIGHT FIXTURE, NEW DIRECTIONAL EXIT LIGHT FIXTURE
- 2'x2', 1'x1' AIR SUPPLY GRILL
- 2'x2', 1'x1' AIR RETURN GRILL
- EXHAUST GRILL
- PENDANT SPRINKLER HEAD, UPRIGHT, AND SIDEWALL SPRINKLER
- WALL-MOUNTED FIRE ALARM COMBINATION HORN/STROBE UNIT
- WALL-MOUNTED FIRE ALARM VISUAL STROBE UNIT
- SMOKE DETECTOR
- OCCUPANCY SENSOR
- 8'-0" CEILING HEIGHT A.F.F.

GENERAL NOTES:

1. REFER TO SHEETS A3.2 FOR SEISMIC BRACING OF CEILING GRID, AND LIGHT FIXTURES.
2. REFER TO SHEETS A2.2, & A2.3, FOR ENLARGED REFLECTED CEILING PLANS
3. COORDINATE WITH MECHANICAL PLANS FOR SUPPLY & RETURN GRILLES
4. COORDINATE WITH ELECTRICAL PLANS FOR ADDITIONAL DEVICES
5. CENTER FIRE SPRINKLER HEADS IN CEILING TILES & ALIGN IN ROWS
6. COORDINATE WITH I.T. DEVICES, PROJECTORS & WI-FI TRANSMITTERS

1 BOYS & GIRLS RESTROOM CEILINGS CHANGE TO ACOUSTICAL TILE CEILING PANELS AND GRID



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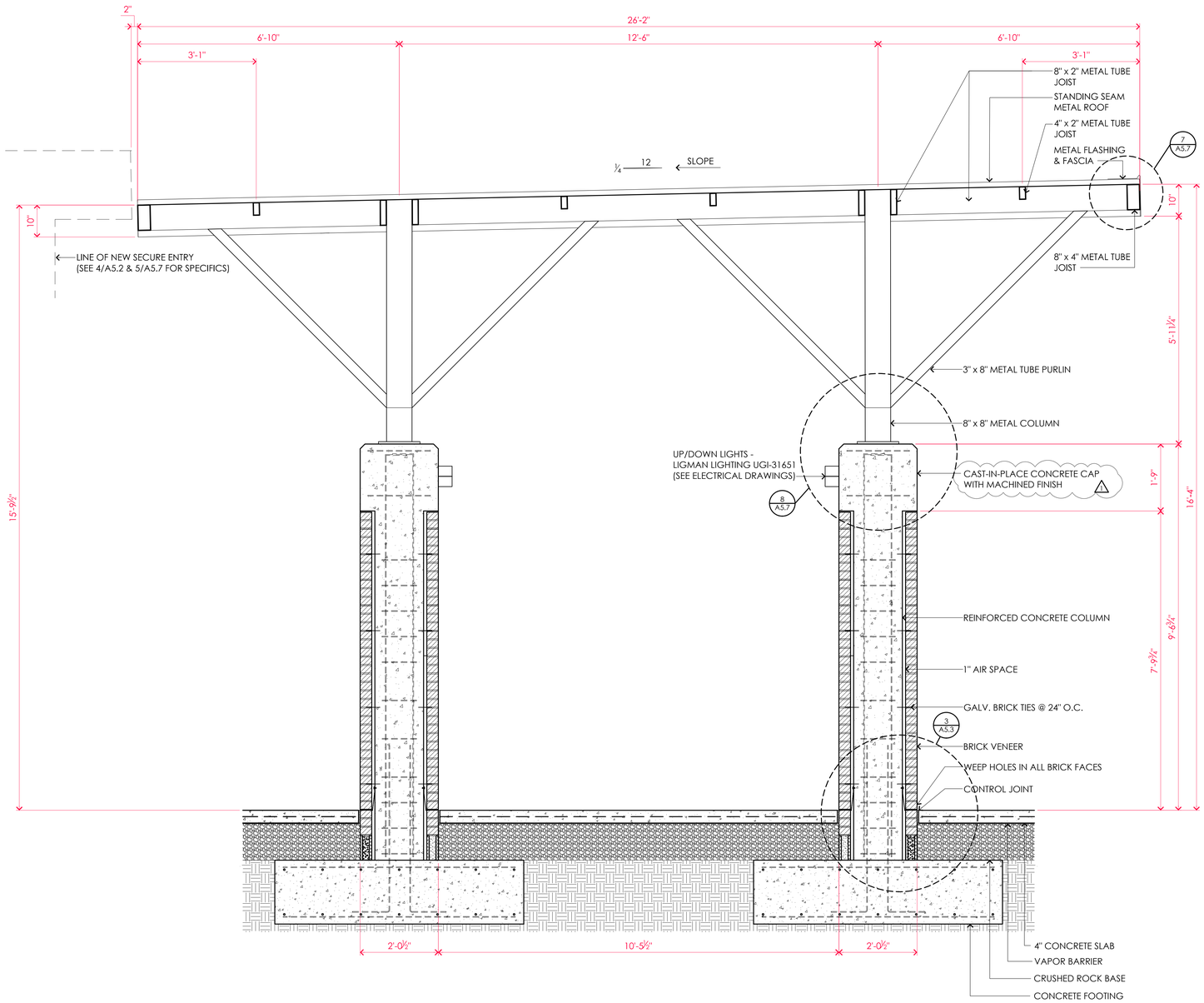
Date: 07-31-2026
Drawn By: BS/BR
Checked By: WRB
Project Number: 24-10

Revisions

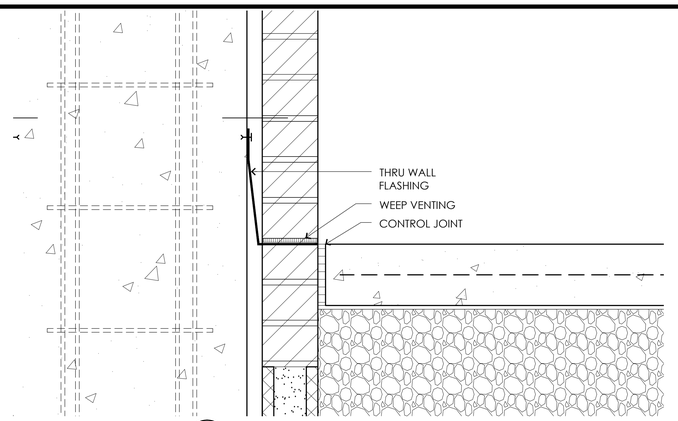
No.	Date:
1 REVISION	11-3-2026

Drawing Title:
Blue Hall Reflected Ceiling Plan

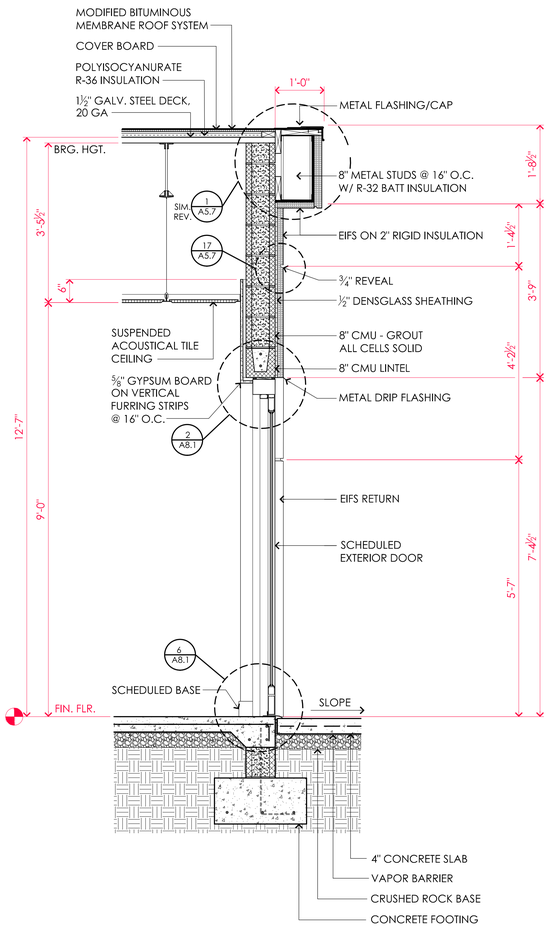
Drawing No.:
A3.1



2 A5.3 SECTION @ HIGH CANOPY
Scale: 3/4" = 1'-0"



3 A5.3 MASONRY WEEP VENT
Scale: 3" = 1'-0"



1 A5.3 WALL SECTION @ NEW ADMIN AREA
Scale: 3/4" = 1'-0"

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Date: 07-31-2026
Drawn By: BS/BR
Checked By: WRB
Project Number: 24-10

Revisions

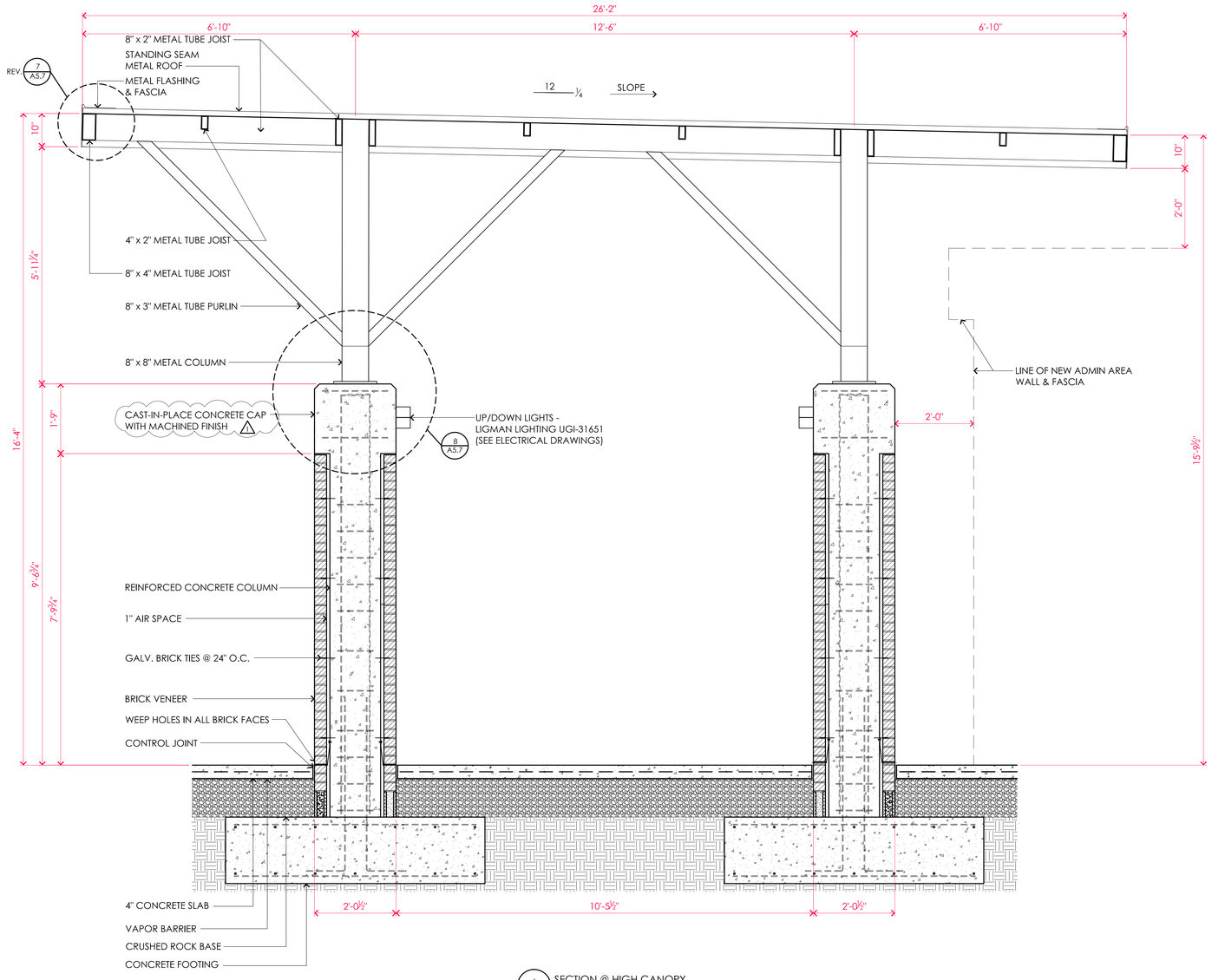
No.		Date:
1	REVISION	11-3-2026

Drawing Title:
Wall & High Canopy Sections

Drawing No.:

A5.3

2 / A5.4 TYPICAL INTERIOR METAL STUD WALL SECTION
Scale: 3/4" = 1'-0"



1 / A5.4 SECTION @ HIGH CANOPY
Scale: 3/4" = 1'-0"

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WILLIAM G. BLANKENSHIP — REGISTERED ARCHITECT — STATE OF TENNESSEE

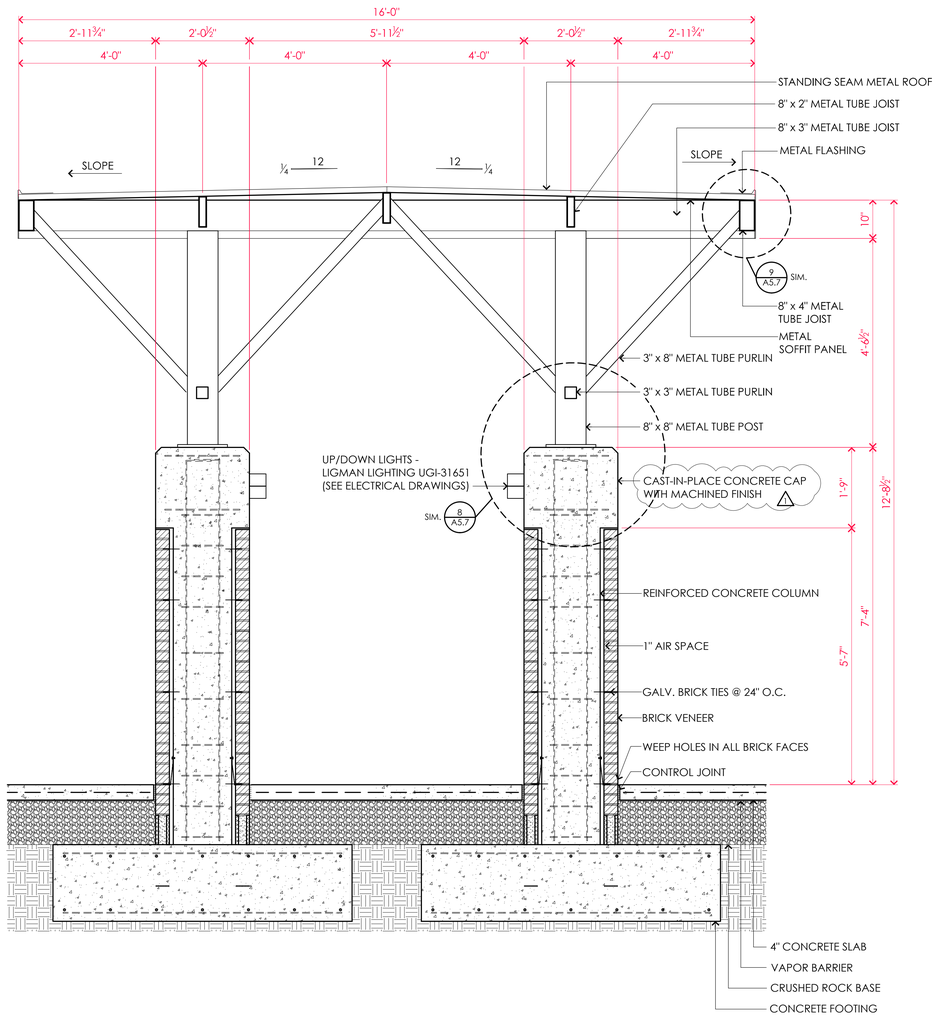
Date: 07-31-2026
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Project Number: 24-10

Revisions

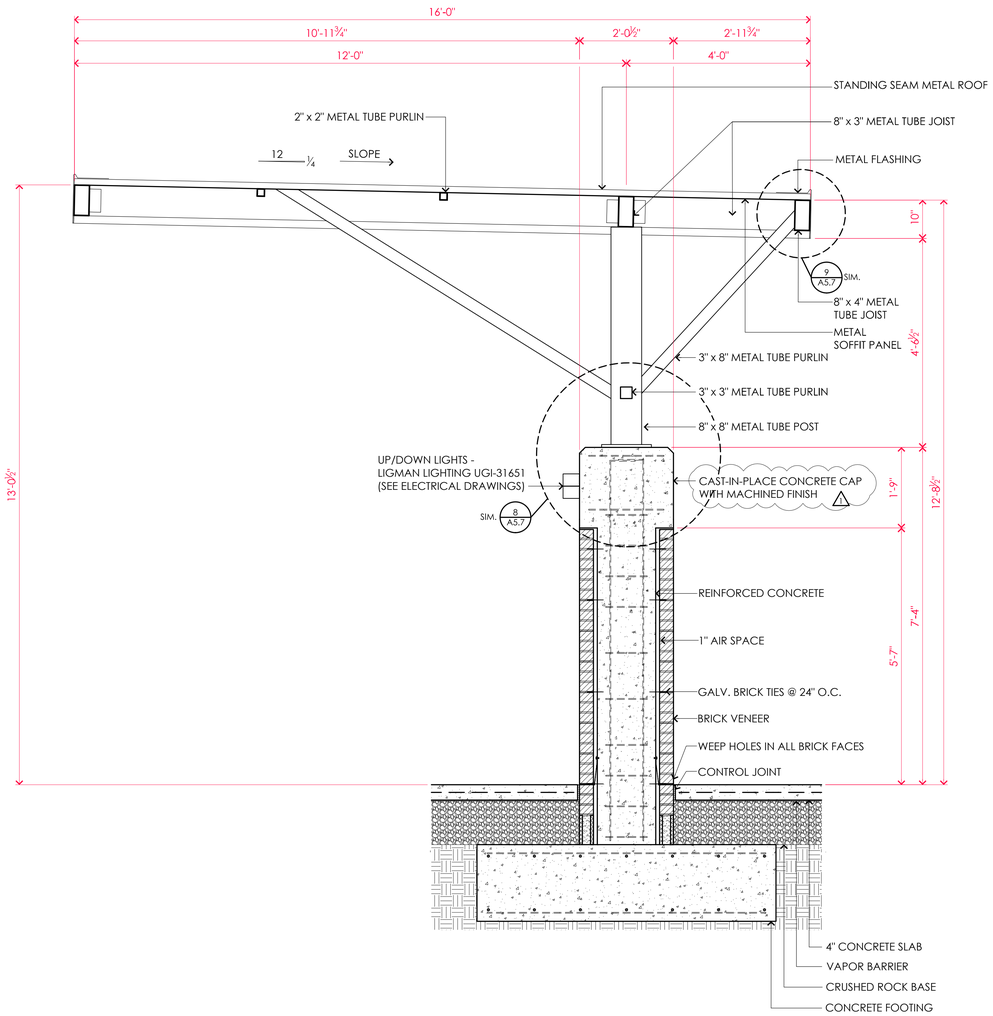
No.		Date:
1	REVISION	11-3-2026

Drawing Title:
High Canopy Section

Drawing No.:
A5.4



2 A5.6 SECTION @ LOW CANOPY
Scale: 3/4" = 1'-0"



1 A5.6 SECTION @ LOW CANOPY
Scale: 3/4" = 1'-0"

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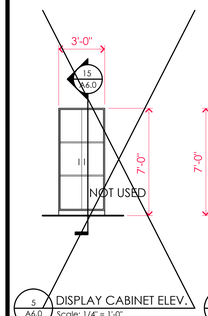
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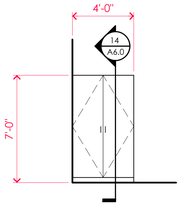
No.		Date:
1	REVISION	11-3-2026

Drawing Title:
Low Canopy Sections

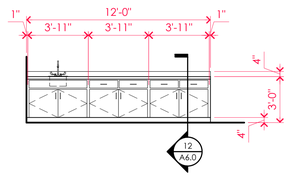
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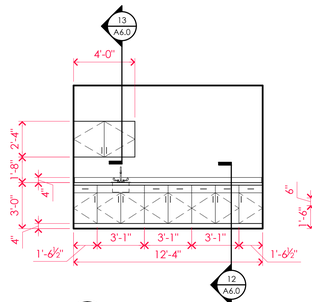
5 A6.0 DISPLAY CABINET ELEV.
Scale: 1/4" = 1'-0"



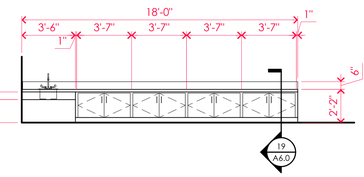
4 A6.0 CLASS TYPE "D" CLOSET ELEV.
Scale: 1/4" = 1'-0"



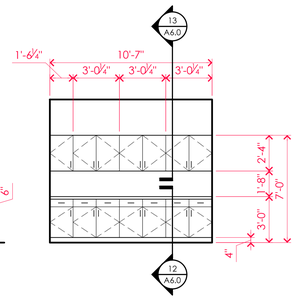
3 A6.0 CLASS TYPE "C" CABINET ELEV.
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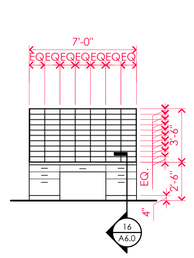
2 A6.0 KITCHEN 164 CABINETS ELEV.
Scale: 1/4" = 1'-0"



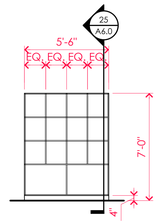
1 A6.0 CLASS TYPE "B" CABINET ELEVATION
Scale: 1/4" = 1'-0"



21 A6.0 SRO OFFICE 102 CABINETS ELEV.
Scale: 1/4" = 1'-0"

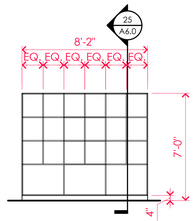


22 A6.0 ADMIN. MAIL DESK ELEV.
Scale: 1/4" = 1'-0"



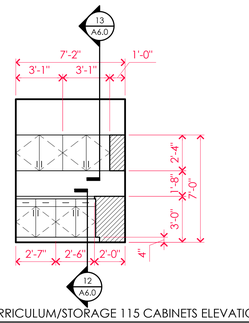
TYPICAL JANITOR STORAGE & MUSICAL INSTRUMENTS STOR. 175 CABINET ELEVATION

23 A6.0 Scale: 1/4" = 1'-0"

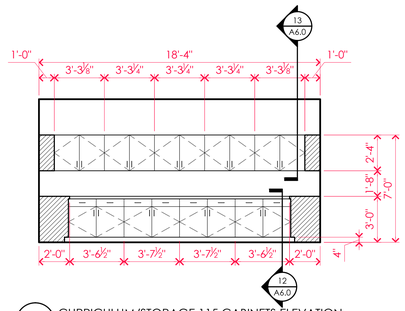


MUSICAL INSTRUMENTS STOR. 175 CABINET ELEVATION

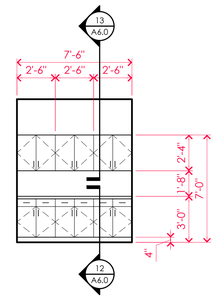
24 A6.0 Scale: 1/4" = 1'-0"



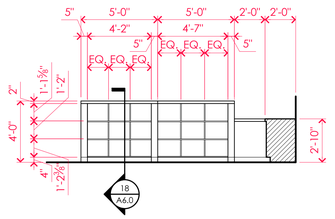
11 A6.0 CURRICULUM/STORAGE 115 CABINETS ELEVATION
Scale: 1/4" = 1'-0"



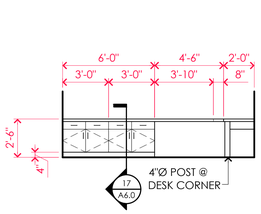
10 A6.0 CURRICULUM/STORAGE 115 CABINETS ELEVATION
Scale: 1/4" = 1'-0"



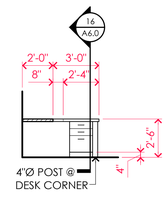
9 A6.0 CONFERENCE 103 CABINETS ELEVATION
Scale: 1/4" = 1'-0"



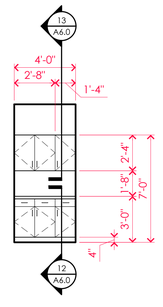
8 A6.0 RECEPTION 104 DESK ELEVATION
Scale: 1/4" = 1'-0"



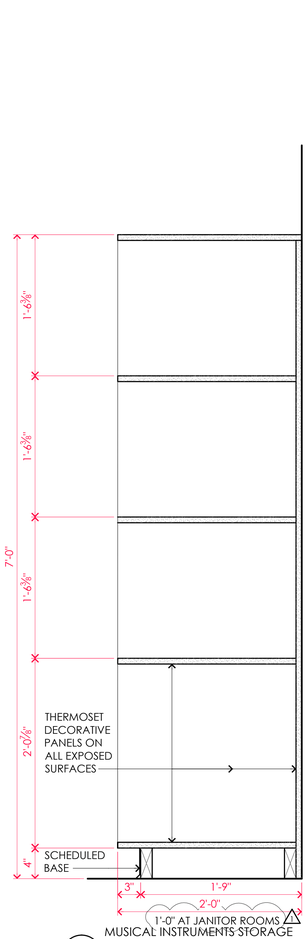
7 A6.0 SECRETARY 110 DESK ELEVATION
Scale: 1/4" = 1'-0"



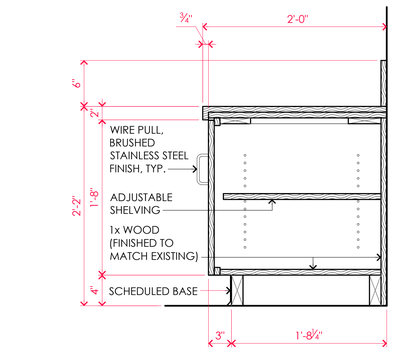
6 A6.0 SECRETARY 110 DESK ELEVATION
Scale: 1/4" = 1'-0"



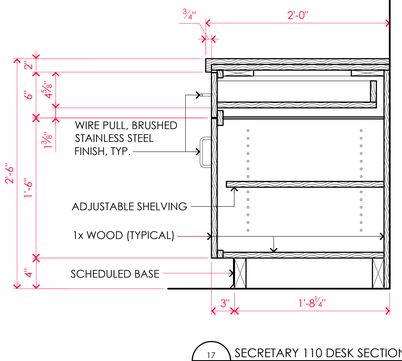
20 A6.0 SUPPLIES 111B CABINETS ELEVATION
Scale: 1/4" = 1'-0"



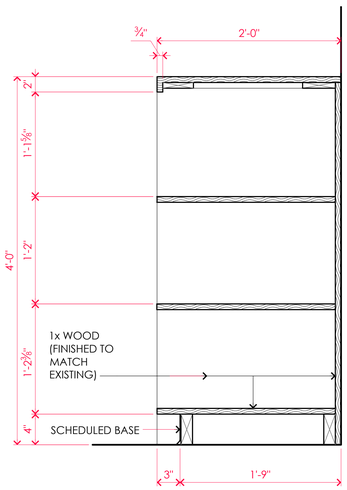
25 A6.0 MUSICAL INSTRUMENTS STORAGE CABINET SECTION
Scale: 1 1/2" = 1'-0"



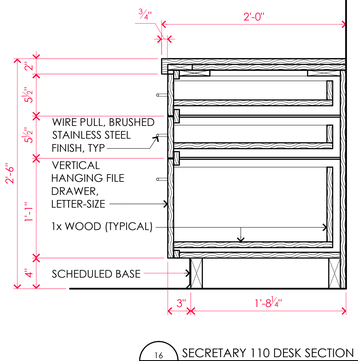
19 A6.0 BASE CABINET SECTION
Scale: 1 1/2" = 1'-0"



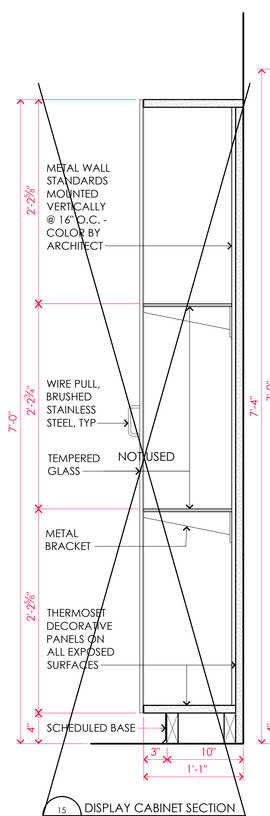
17 A6.0 SECRETARY 110 DESK SECTION
Scale: 1 1/2" = 1'-0"



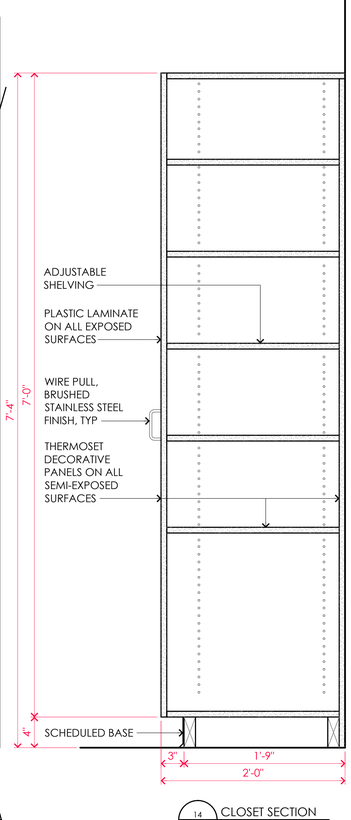
18 A6.0 RECEPTION 104 DESK SECTION
Scale: 1 1/2" = 1'-0"



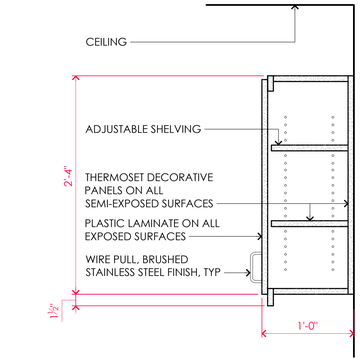
16 A6.0 SECRETARY 110 DESK SECTION
Scale: 1 1/2" = 1'-0"



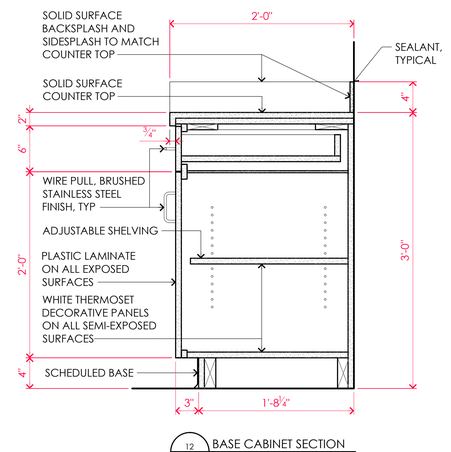
15 A6.0 DISPLAY CABINET SECTION
Scale: 1 1/2" = 1'-0"



14 A6.0 CLOSET SECTION
Scale: 1 1/2" = 1'-0"



13 A6.0 WALL CABINET SECTION
Scale: 1 1/2" = 1'-0"



12 A6.0 BASE CABINET SECTION
Scale: 1 1/2" = 1'-0"

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Seal

WILLIAM R. BLANKENSHIP REGISTERED ARCHITECT STATE OF TENNESSEE

Date: 07-31-2026
Drawn By: BS/BR
Checked By: WRB
Project Number: 24-10

Revisions

No.		Date:
1	REVISION	11-6-2026

Drawing Title:

Interior Elevations & Millwork

Drawing No.:

A6.0

DOOR SCHEDULE (CONTINUED)

DOOR NO.	ROOM	DOOR MATL	DOOR TYPE	DOOR SIZE	FRAME MATL	FRAME ELEV.	FRAME HEAD	FRAME JAMB	FRAME SILL	HDW SET	FIRE RATING	REMARKS
135	JANITOR	HDWD	F	2'-4"x 7'-0"x 1 3/4"	HM	EXISTING	-	-	-	19.3	-	
136	COOLER	-	-	-	-	-	-	-	-	-	-	
137	FREEZER	-	-	-	-	-	-	-	-	-	-	
138	RISER ROOM	HM	F	3'-0"x 7'-0"x 1 3/4"	HM	EXISTING	-	-	-	11.1	-	
139	ELECTRICAL	HM	F	4'-0"x 7'-0"x 1 3/4"	HM	EXISTING	-	-	-	12	-	
140	MECHANICAL	HDWD	B	6'-0"x 7'-0"x 1 3/4"	HM	8	7	8	6 SIM	20.1	20 MIN	
* 141A	CORRIDOR	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	11	-	-	-	2.1	-	
141B	CORRIDOR	ALUM	A	3'-0"x 7'-0"x 1 3/4"	HM	11	-	-	-	1.1	-	**
141C	NOT USED	-	-	-	-	-	-	-	-	-	-	
* 142A	CORRIDOR	ALUM	A	3'-0"x 7'-0"x 1 3/4"	HM	8	-	-	-	2.1	-	
142B	CORRIDOR	ALUM	A	3'-0"x 7'-0"x 1 3/4"	HM	8	-	-	-	1.1	-	**
143	BOYS' R.R. CHASE	HDWD	F	2'-4"x 7'-0"x 1 3/4"	HM	9	7	8	-	19.3	-	
144	BOYS' RESTROOM	-	-	3'-0"x 7'-0" OPNG.	HM	EXISTING	-	-	-	-	-	
145	JANITOR	HDWD	F	2'-8"x 7'-0"x 1 3/4"	HM	EXISTING	-	-	-	19.3	20 MIN	
146	STORAGE	HDWD	F	2'-8"x 7'-0"x 1 3/4"	HM	EXISTING	-	-	-	19.3	20 MIN	
147	GIRLS' RESTROOM	-	-	3'-0"x 7'-0" OPNG.	HM	EXISTING	-	-	-	-	-	
148	NOT USED	-	-	-	-	-	-	-	-	-	-	
* 149A	CORRIDOR	ALUM	B	6'-0"x 7'-0"x 1 3/4"	AL	8	-	-	-	5	-	**
149B	CORRIDOR	HM	B	6'-0"x 7'-0"x 1 3/4"	HM	8	-	-	-	23	3 HR	EXISTING DOORS AND FRAME TO REMAIN
150	I.T. ROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	11	11/A8.1	11/A8.1	9/A8.1	19.2	-	
* 151	CORRIDOR	ALUM	B	6'-0"x 7'-0"x 1 3/4"	AL	EXISTING	-	-	-	5	-	**
152A	NOT USED	-	-	-	-	-	-	-	-	-	-	
152B	NOT USED	-	-	-	-	-	-	-	-	-	-	
153A	CORRIDOR	HDWD	E	6'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	24	-	
153B	CORRIDOR	HDWD	E	6'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	24	-	
154	FILE ROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	19.2	-	
155	WORK ROOM	HDWD	D	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14.3	-	
156A	CONF./PERIOD	HDWD	C	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14	20 MIN	
156B	CONF./PERIOD	HDWD	C	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14.1	-	
157	A/V STORAGE	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	19.4	-	
158A	NOT USED	-	-	-	-	-	-	-	-	-	-	
158B	LIBRARY	HDWD	A	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	22	20 MIN	
159	MEN'S RESTROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	10/A8.1	21	20 MIN	
162	WOMEN'S RESTROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	10/A8.1	21	20 MIN	
163	TEACHERS' LOUNGE	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	10/A8.1	14.3	20 MIN	
163A	MOTHER'S ROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	17	-	
164	KITCHEN	HDWD	C	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	17.2	-	
165	VENDING ROOM	-	-	3'-0"x 7'-0" OPNG.	-	EXISTING	-	-	-	-	-	
165A	VENDING ROOM	EXIST	-	3'-0"x 7'-0"x 1 3/4"	HM	EXISTING	-	-	-	14.3	20 MIN	
166A	CORRIDOR	ALUM	C	3'-0"x 7'-0"x 1 3/4"	AL	1	7/A8.1	8/A8.1	9/A8.1	10	-	
166B	CORRIDOR	ALUM	C	3'-0"x 7'-0"x 1 3/4"	AL	1	7/A8.1	8/A8.1	9/A8.1	10	-	
166C	CORRIDOR	ALUM	C	3'-0"x 7'-0"x 1 3/4"	AL	1	7/A8.1	8/A8.1	9/A8.1	10	-	
166D	CORRIDOR	ALUM	C	3'-0"x 7'-0"x 1 3/4"	AL	1	7/A8.1	8/A8.1	9/A8.1	10	-	
167A	CORRIDOR	HM	E	8'-0"x 7'-0"x 1 3/4"	HM	EXISTING	-	-	-	23.1	3 HR	EXISTING DOORS AND FRAME TO REMAIN
* 167B	CORRIDOR	ALUM	B	6'-0"x 7'-0"x 1 3/4"	AL	8	-	-	-	5	-	**
168	JANITOR	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	19.3	20 MIN	
169	GIRLS' RESTROOM	-	-	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	-	-	
* 170	CORRIDOR	ALUM	B	6'-0"x 7'-0"x 1 3/4"	AL	8	-	-	-	5	-	**
171	I.T. ROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	19.2	-	
172	JANITOR	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	19	20 MIN	
173	BOYS' RESTROOM	-	-	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	-	-	
174A	MUSIC ROOM	HDWD	-	3'-0"x 7'-0" OPNG.	-	EXISTING	-	-	-	14.3	-	
175	CORRIDOR	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	19.5	-	
176	RESTROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	10/A8.1	15.1	-	
177	JANITOR	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	19.6	20 MIN	
178	CORRIDOR	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	17.3	-	
179	OFFICE	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	16	-	
179A	ELECTRICAL ROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	-	19.4	-	
180	OFFICE	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14.4	-	
180A	OFFICE	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14	-	
181	PLATFORM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14.1	-	
182	GYMNASIUM	HDWD	E	6'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	25	-	EXIT ONLY, NO EXTERIOR HARDWARE
182A	GYMNASIUM	HM	F	6'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	13	20 MIN	
182B	GYMNASIUM	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	~	~	~	22	-	

* BADGE OPERATED ELECTRIC LOCK

** BULLET RESISTIVE FILM APPLIED TO GLAZING

DOOR SCHEDULE

DOOR NO.	ROOM	DOOR MATL	DOOR TYPE	DOOR SIZE	FRAME MATL	FRAME ELEV.	FRAME HEAD	FRAME JAMB	FRAME SILL	HDW SET	FIRE RATING	REMARKS
CA	CLASSROOM TYPE "A"	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14	20 MIN	PATCH, PREP, & PAINT (E)FRAME
CB	CLASSROOM TYPE "B"	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14	20 MIN	PATCH, PREP, & PAINT (E)FRAME
CB-RR	C.R. TYPE "B" RESTRM.	HDWD	F	2'-6"x 7'-0"x 1 3/4"	HM	9	7/A8.1	8/A8.1	10/A8.1	15	-	
CC-1	NOT USED	-	-	-	-	-	-	-	-	-	-	
CC-2	CLASSROOM TYPE "C"	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14	20 MIN	PATCH, PREP, & PAINT (E)FRAME
CC-RR	C.R. TYPE "C" RESTRM.	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	10/A8.1	15.1	-	
CD	CLASSROOM TYPE "D"	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14	20 MIN	PATCH, PREP, & PAINT (E)FRAME
CDS-1	C.R. TYPE "D" SIM.	ALUM	A	3'-0"x 7'-0"x 1 3/4"	-	1	1/A8.1	4/A8.1	6/A8.1	1	20 MIN	EXIT ONLY, NO EXTERIOR HARDWARE
CDS-2	C.R. TYPE "D" SIM.	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14	20 MIN	PATCH, PREP, & PAINT (E)FRAME
CDS-RR	C.R. TYPE "D" SIM. R.R.	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	15.2	-	PATCH, PREP, & PAINT (E)FRAME
* 100A	SECURE ENTRY	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	1	1/A8.1	4/A8.1	6/A8.1	2	-	** LOCK RELEASE ACTIVATOR REMOTELY LOCATED
100B	SECURE ENTRY	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	1	1/A8.1	4/A8.1	6/A8.1	3	-	**
100C	SECURE ENTRY	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	1	1/A8.1	4/A8.1	6/A8.1	3	-	**
100D	SECURE ENTRY	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	1	1/A8.1	4/A8.1	6/A8.1	3	-	**
101A	ENTRY	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	1	1/A8.1	4/A8.1	6/A8.1	7	-	**
101B	ENTRY	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	1	11/A8.1	11/A8.1	9/A8.1	7	-	**
101C	ENTRY	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	1	11/A8.1	11/A8.1	9/A8.1	7	-	**
101D	ENTRY	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	1	11/A8.1	11/A8.1	9/A8.1	8	-	** LOCK RELEASE ACTIVATOR REMOTELY LOCATED
* 102A	SCHOOL RESOURCE OFFICER	ALUM	A	3'-0"x 7'-0"x 1 3/4"	AL	12	1/A8.1	4/A8.1	6/A8.1	4	-	**
102B	SCHOOL RESOURCE OFFICER	HDWD	C	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	16	-	
103	CONFERENCE RM.	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	17	-	
104	RECEPTION	HDWD	A	3'-0"x 7'-0"x 1 3/4"	HM	9	7/A8.1 SIM.	8/A8.1 SIM.	6/A8.1	18	20 MIN	** LOCK RELEASE ACTIVATOR REMOTELY LOCATED
105	UNISEX RESTROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	10/A8.1	15.1	-	
106	CONFERENCE RM.	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	16	-	
107	ASST. PRINCIPAL	HDWD	C	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	16	-	
108	PRINCIPAL	HDWD	C	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	16	-	
108A	PRINCIPAL RESTRM.	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	10/A8.1	15.2	-	
109	HALL	HDWD	A	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	17.1	-	
110	OFFICE	HDWD	-	6'-9"x 7'-0" OPNG.	-	EXISTING	-	-	-	-	-	
111	NURSE/SPEC. ED.	HDWD	C	3'-0"x 7'-0"x 1 3/4"	HM	11	11/A8.1	11/A8.1	9/A8.1	16	20 MIN	
111A	NURSE/SPEC. ED.	HDWD	C	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	16	-	
111B	SUPPLIES	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	19	-	
112	UNISEX RESTROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	10/A8.1	15.2	-	
113	ATTENDANCE	HDWD	C	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	16	-	
114	BOOKKEEPER	HDWD	C	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	16	-	
115	CURRICULUM STOR.	HDWD	E	3'-0"x 7'-0"x 1 3/4"	HM	10	11/A8.1	11/A8.1	9/A8.1	20	-	
116	HALL	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	11	11/A8.1	11/A8.1	10/A8.1	19.1	20 MIN	
117	SPEECH/ OCCUL THREAPY	HDWD	C	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	17	-	
118	VAULT	HDWD	F	3'-0"x 7'-0"x 1 3/4"	HM	9	11/A8.1	11/A8.1	9/A8.1	19.2	-	
119	BOYS' RESTROOM	-	-	2'-8"x 7'-0" OPNG	-	EXISTING	-	-	-	-	-	PATCH, PREP, & PAINT (E)FRAME
119A	BOYS' R.R. CHASE	HDWD	F	2'-4"x 7'-0"x 1 3/4"	HM	9	7	8	-	19.3	-	PATCH, PREP, & PAINT (E)FRAME
120	GIRLS' RESTROOM	-	-	2'-8"x 7'-0" OPNG	-	EXISTING	-	-	-	-	-	
121	JANITOR	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	19.3	20 MIN	
122	STORAGE	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	19.3	20 MIN	
123	MEETING ROOM	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	17	-	
124	CUSTODIAL RM.	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	16.1	20 MIN	
124A	CUSTODIAL R.R.	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	15.3	-	
* 125	CORRIDOR	ALUM	B	(2) 3'-0"x 7'-0"x 1 3/4"	-	ALUM	1/A8.1	4/A8.1	6/A8.1	5	-	**
* 126	ENTRY	ALUM	B	(2) 3'-0"x 7'-0"x 1 3/4"	-	ALUM	1/A8.1	4/A8.1	6/A8.1	5	-	**
126A	ENTRY	ALUM	B	(2) 3'-0"x 7'-0"x 1 3/4"	-	ALUM	1/A8.1	4/A8.1	6/A8.1	6	-	
127	DROP-OFF LOBBY	ALUM	B	(2)3'-0"x 7'-0" X 1 3/4"	-	ALUM	1/A8.1SIM	4/A8.1SIM	6/A8.1SIM	9	-	**
127A	DROP-OFF LOBBY	ALUM	B	(2)3'-0"x 7'-0" X 1 3/4"	-	ALUM	1/A8.1SIM	4/A8.1SIM	6/A8.1SIM	9	-	
127B	DROP-OFF LOBBY	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	17.3	20 MIN	
128A	CAFETERIA	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	22	20 MIN	
128B	CAFETERIA	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	22	20 MIN	
128C	CAFETERIA	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	22	20 MIN	
128D	CAFETERIA	HDWD	G	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	22	20 MIN	
129A	KITCHEN	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	22.1	-	
129B	KITCHEN	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	22.1	-	
129C	KITCHEN	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	22.1	-	
129D	KITCHEN	HDWD	F	2'-8"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	22.1	-	
130	SCULLERY	-	-	3'-0"x 7'-0" OPNG.	-	EXISTING	-	-	-	-	-	
131	OFFICE	HDWD	C	3'-4"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	16.2	-	
132	FOOD STORAGE	HDWD	F	3'-0"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	14.1	-	
133	UNISEX RESTROOM	HDWD	F	2'-6"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	15.4	-	
134A	RECEIVING	HM	F	3'-4"x 7'-0"x 1 3/4"	-	EXISTING	-	-	-	11	-	
134B	RECEIVING	HDWD	C	3'-4"x 7'-0"x 1 3/4"	-	11	7/A8.1	8/A8.1	10/A8.1	14.2	-	

* BADGE OPERATED ELECTRIC LOCK

** BULLET RESISTIVE FILM APPLIED TO GLAZING

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Seal



Date: 07-31-2026

Drawn By: BS/BR

Checked By: WRB

Project Number: 24-10

Revisions

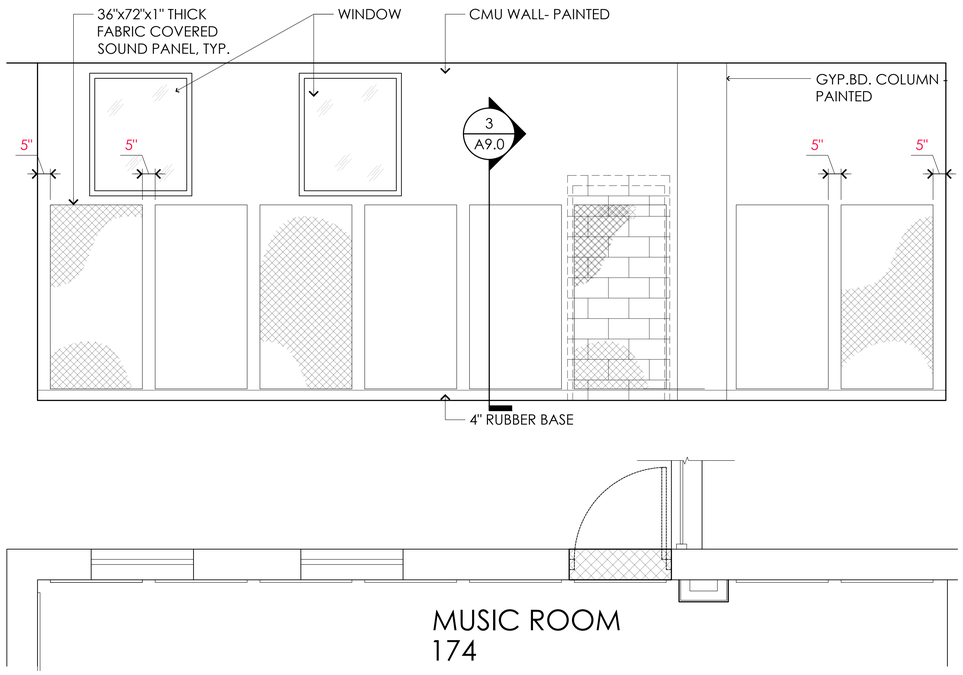
No.	Date:
1 REVISION	11-6-2026

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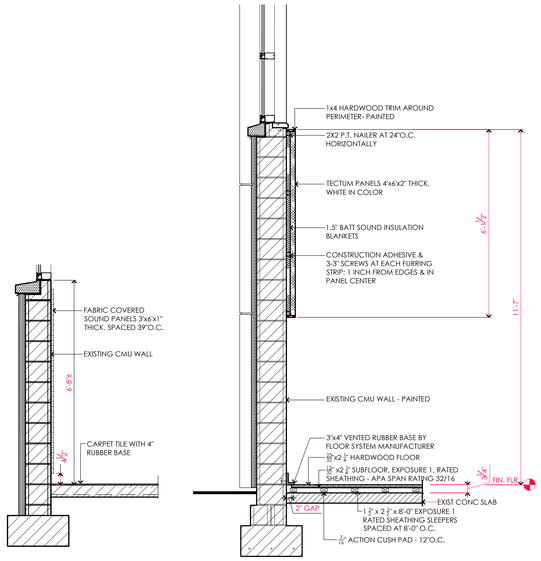
Door Schedule & Details

Drawing No.:

A8.0

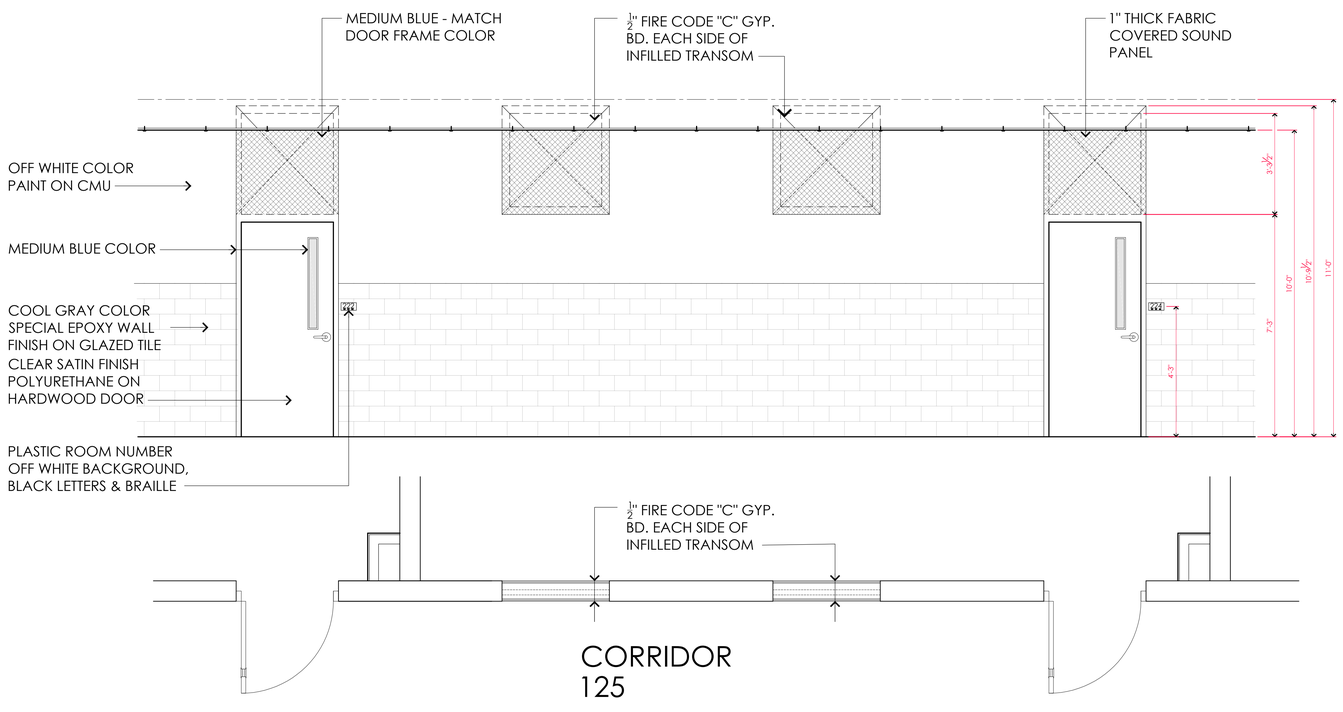


4 A9.0 DETAIL
Scale: 1/2" = 1'-0"



3 A9.0 DETAIL
Scale: 1/2" = 1'-0"

1 A9.0 DETAIL
Scale: 1/2" = 1'-0"



2 A9.0 CORRIDOR - TYPICAL PLAN & ELEVATION
Scale: 1/2" = 1'-0"

PRODUCT/COLOR SCHEDULE

LABEL	MATERIAL	COLOR NUMBER	COLOR NAME	TILE SIZE		REMARKS
LVT-1	LVT FIELD TILE	AS SELECTED BY ARCHITECT		12"x48"		
LVT-2	LVT ACCENT TILE	AS SELECTED BY ARCHITECT		12"x48"		
CPT	CARPET TILE	AS SELECTED BY ARCHITECT		24"x24"		
EPOXY	EPOXY COATING	AS SELECTED BY ARCHITECT		CONT.		SEAMLESS INSTALLATION
CT	CERAMIC TILE	AS SELECTED BY ARCHITECT		2"x2"		48" HIGH WAINSCOT
P-1	PAINT	AS SELECTED BY ARCHITECT		-		
P-2	SPECIAL EPOXY WALL FINISH	AS SELECTED BY ARCHITECT		-		

LABEL	JOHNSONITE	COLOR NUMBER		HEIGHT		REMARKS
RB-1	RUBBER BASE	#48	GREY	4"		
COMP	COMPOSITE BASE BY HDWD FLOOR MFGR	AS SELECTED BY ARCHITECT				
HDWD	HARDWOOD GYM FLOOR SYSTEM	CLEAR				

ROOM FINISH SCHEDULE

ROOM NO.	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH NORTH WALL	WALL FINISH SOUTH WALL	WALL FINISH EAST WALL	WALL FINISH WEST WALL	CEILING MATERIAL	COMMENTS
	CLASSROOM TYPE "A"	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
	CLASSROOM TYPE "B"	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
	CLASSROOM TYPE "B" RESTROOM	EPOXY	EPOXY	CMU/P1	CMU/P1	CMU/P1	CMU/P1	GYP/P-2	
	CLASSROOM TYPE "C"	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
	CLASSROOM TYPE "C" RESTROOM	EPOXY	EPOXY	CMU/P1	GYP/P1	GYP/P1	GYP/P1	GYP/P-2	
	CLASSROOM TYPE "D"	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
	CLASSROOM TYPE "D" SIM.	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
	CLASSROOM TYPE "D" RESTROOM	EPOXY	EPOXY	CMU/P1	GYP/P1	CMU/P1	GYP/P1	GYP/P-2	
	CLASSROOM TYPE "D" SIM. CLOS.	LVT1	RB1	CMU/P1	GYP/P1	CMU/P1	GYP/P1	ACT1	
100	SECURE ENTRY	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	CMU/P1	ACT1	
101	ENTRY	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	CMU/P1	ACT1	
102	SCHOOL RESOURCE OFFICER	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	CMU/P1	ACT1	
103	CONF. ROOM	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	CMU/P1	ACT1	
104	RECEPTION	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	CMU/P1	ACT1	
105	UNISEX RESTROOM	EPOXY	EPOXY	GYP/P1	GYP/P1	GYP/P1	GYP/P1	GYP/P1	48" CERAMIC TILE WAINSCOT
106	SPEECH/ OCCU. THREAPY	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	ACT1	
107	ASST. PRINCIPAL	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	ACT1	
108	PRINCIPAL	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	ACT1	
108A	UNISEX R.R.	EPOXY	EPOXY	GYP/P1	GYP/P1	GYP/P1	GYP/P1	GYP/P1	48" CERAMIC TILE WAINSCOT
109	HALL	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	**ACT1**	
110	SECRETARY	LVT1	**RB1**	**GYP./P1**	**GYP./P1**	**GYP./P1**	**GYP./P1**	**ACT1**	
111	NURSE	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	ACT1	
112	UNISEX RESTROOM	EPOXY	EPOXY	GYP/P1	GYP/P1	GYP/P1	GYP/P1	GYP/P1	48" CERAMIC TILE WAINSCOT
113	ATTENDANCE	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	**ACT1**	
114	BOOKKEEPER	LVT1	**RB1**	**GYP./P1**	**GYP./P1**	**GYP./P1**	**GYP./P1**	**ACT1**	
115	CURRICULUM STOR.	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	**ACT1**	
116	HALL	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	**ACT1**	
117	CONF. ROOM	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	**ACT1**	
118	VAULT	LVT1	RB1	GYP./P1	GYP./P1	GYP./P1	GYP./P1	GYP/P1	
119	BOYS' RESTROOM	EPOXY	EPOXY	CMU/P2	CMU/P2	CMU/P2	CMU/P2	ACT1 ⚠1	
120	GIRLS' RESTROOM	EPOXY	EPOXY	CMU/P2	CMU/P2	CMU/P2	CMU/P2	ACT1	
121	JANITOR	SEALED CONC.	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
122	STORAGE	SEALED CONC.	**RB1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**ACT1**	
123	MEETING ROOM	LVT1	**RB1**	**CMU/P1**	GYP./P1	**CMU/P1**	**CMU/P1**	**ACT1**	
124	CUSTODIAL RM.	LVT1	**RB1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**ACT1**	
124A	UNISEX R.R.	EPOXY	EPOXY	GYP/P1	GYP/P1	GYP/P1	GYP/P1	GYP/P1	48" CERAMIC TILE WAINSCOT
125	CORRIDOR	LVT1	**RB1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**ACT1**	
126	VESTIBULE	LVT1	**RB1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**ACT1**	
127	DROP-OFF LOBBY	LVT1	**RB1**	**CMU/P1**	**CMU/P1**	GYP/P1	GYP./P1	**ACT1**	
128	CAFETERIA	EPOXY	**RB1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**ACT1**	EXISTING EPOXY FLOOR TO REMAIN
129	KITCHEN	EPOXY	EPOXY	**CMU/P1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**ACT1**	
130	SCULLERY	EPOXY	EPOXY	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
131	OFFICE	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
132	FOOD STORAGE	EPOXY	EPOXY	**CMU/P1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**ACT1**	
133	UNISEX RESTROOM	EPOXY	EPOXY	GYP/P1	GYP/P1	GYP/P1	GYP/P1	GYP/P1	48" CERAMIC TILE WAINSCOT
134	RECEIVING	EPOXY	EPOXY	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
135	JANITOR	SEALED CONC.	EPOXY	**CMU/P1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	GYP/P1	
136	COOLER	FACTORY FINISH		FACTORY FIN	FACTORY FIN	FACTORY FIN	FACTORY FIN	FACTORY FIN	
137	FREEZER "A"	FACTORY FINISH		FACTORY FIN	FACTORY FIN	FACTORY FIN	FACTORY FIN	FACTORY FIN	
138	RISER ROOM	-	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
139	ELECTRICAL	-	**RB1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**CMU/P1**	**ACT1**	
140	WORKROOM	SEALED CONC.	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	PLASTER	
141	CORRIDOR	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
142	CORRIDOR	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
143	BOYS' RESTROOM	EPOXY	EPOXY	CMU/P2	CMU/P2	CMU/P2	CMU/P2	ACT1 ⚠1	
144	VESTIBULE BOYS'	EPOXY	EPOXY	CMU/P2	CMU/P2	CMU/P2	CMU/P2	ACT1	
145	JANITOR	SEALED CONC.	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	GYP/P1	
146	STORAGE	SEALED CONC.	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	GYP/P1	
147	VESTIBULE GIRLS'	EPOXY	EPOXY	CMU/P2	CMU/P2	CMU/P2	CMU/P2	ACT1	
148	GIRLS' RESTROOM	EPOXY	EPOXY	CMU/P2	CMU/P2	CMU/P2	CMU/P2	ACT1	
149	CORRIDOR	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
150	I.T. ROOM	SEALED CONC.	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	+ FIRE RATED PLYWOOD AT I.T.EQUIP WALL
151	CORRIDOR	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
152	CORRIDOR	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
153	CORRIDOR	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
154	I.T. ROOM	SEALED CONC.	**RB1**	GYP/P1	**CMU/P1**	**CMU/P1**	GYP/P1	**ACT1**	+ FIRE RATED PLYWOOD AT I.T.EQUIP WALL
155	WORK ROOM	LVT1	**RB1**	GYP/P1	**CMU/P1**	GYP/P1	GYP/P1	**ACT1**	
156	CONF./PERIOD	LVT1	**RB1**	GYP/P1	**CMU/P1**	GYP/P1	**CMU/P1**	**ACT1**	
157	A/V STORAGE	LVT1	**RB1**	**CMU/P1**	GYP/P1	GYP/P1	**CMU/P1**	**ACT1**	
158	LIBRARY	CPT	**RB1**	**CMU/P1**	CMU/P1	**CMU/P1**	CMU/P1	**ACT1**	EXISTING CARPET TILE FLOOR TO REMAIN
159	MENS' RESTROOM	EPOXY	EPOXY	GYP/P2	GYP/P2	GYP/P2	GYP/P2	ACT1 ⚠1	
160	WATER FOUNTAIN	LVT1	RB1	GYP/P1	GYP/P1	GYP/P1	-	ACT1	
161	WOMEN	EPOXY	EPOXY	GYP/P2	GYP/P2	GYP/P2	GYP/P2	ACT1 ⚠1	
162	WOMENS' R.R.	EPOXY	EPOXY	GYP/P2	GYP/P2	GYP/P2	GYP/P2	ACT1	
163	TEACHERS' LOUNGE	LVT1	RB1	CMU/P1	GYP/P1	GYP/P1	CMU/P1	ACT1	
163	MOTHER'S ROOM	LVT1	RB1	CMU/P1	GYP/P1	GYP/P1	CMU/P1	ACT1	
164	KITCHEN	LVT1	RB1	GYP/P1	CMU/P1	CMU/P1	GYP/P1	ACT1	
165	VENDING ROOM	LVT1	RB1	CMU/P1	GYP/P1	CMU/P1	GYP/P1	ACT1	
166	CORRIDOR	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
167	CORRIDOR	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
168	STORAGE	SEALED CONC.	RB1	CMU/P1	GYP/P1	GYP/P1	CMU/P1	ACT1	
169	GIRLS' RESTROOM	EPOXY	RB1	CMU/P2	CMU/P2	CMU/P2	CMU/P2	ACT1 ⚠1	
170	CORRIDOR	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
171	I.T. ROOM	SEALED CONC.	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	GYP/P1	+ FIRE RATED PLYWOOD AT I.T.EQUIP WALL
172	JANITOR	SEALED CONC.	RB1	GYP/P1	CMU/P1	GYP/P1	GYP/P1	GYP/P1	
173	BOYS' RESTROOM	EPOXY	EPOXY	CMU/P2	CMU/P2	CMU/P2	CMU/P2	ACT1 ⚠1	
174	MUSIC ROOM	CPT	RB1	CMU/P1	CMU/P1	CMU/P1	CMU/P1	ACT1	
175	INSTRUMENT STORAGE	LVT1	RB1	CMU/P1	GYP/P1	CMU/P1	GYP/P1	ACT1	
176	UNISEX R.R.	LVT1	RB1	GYP/P1	GYP/P1	GYP/P1	GYP/P1	ACT1	48" CERAMIC TILE WAINSCOT
177	JANITOR	SEALED CONC.	RB1	GYP/P1	GYP/P1	GYP/P1	GYP/P1	GYP/P1	
178	HALL	LVT1	RB1	GYP/P1	CMU/P1	GYP/P1	GYP/P1	ACT1	
179	OFFICE	LVT1	RB1	GYP/P1	CMU/P1	GYP/P1	CMU/P1	GYP/P1	
180	GREEN ROOM	LVT1	RB1	CMU/P1	CMU/P1	CMU/P1	**CMU/P1**	GYP/P1	
181	PLATFORM	HDWD	HDWD	GYP/P1	CMU/P1	GYP/P1	CMU/P1	-	
182	GYMNASIUM	HDWD	HDWD	CMU/P1	CMU/P1	CMU/P1	CMU/P1	-	

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Seal



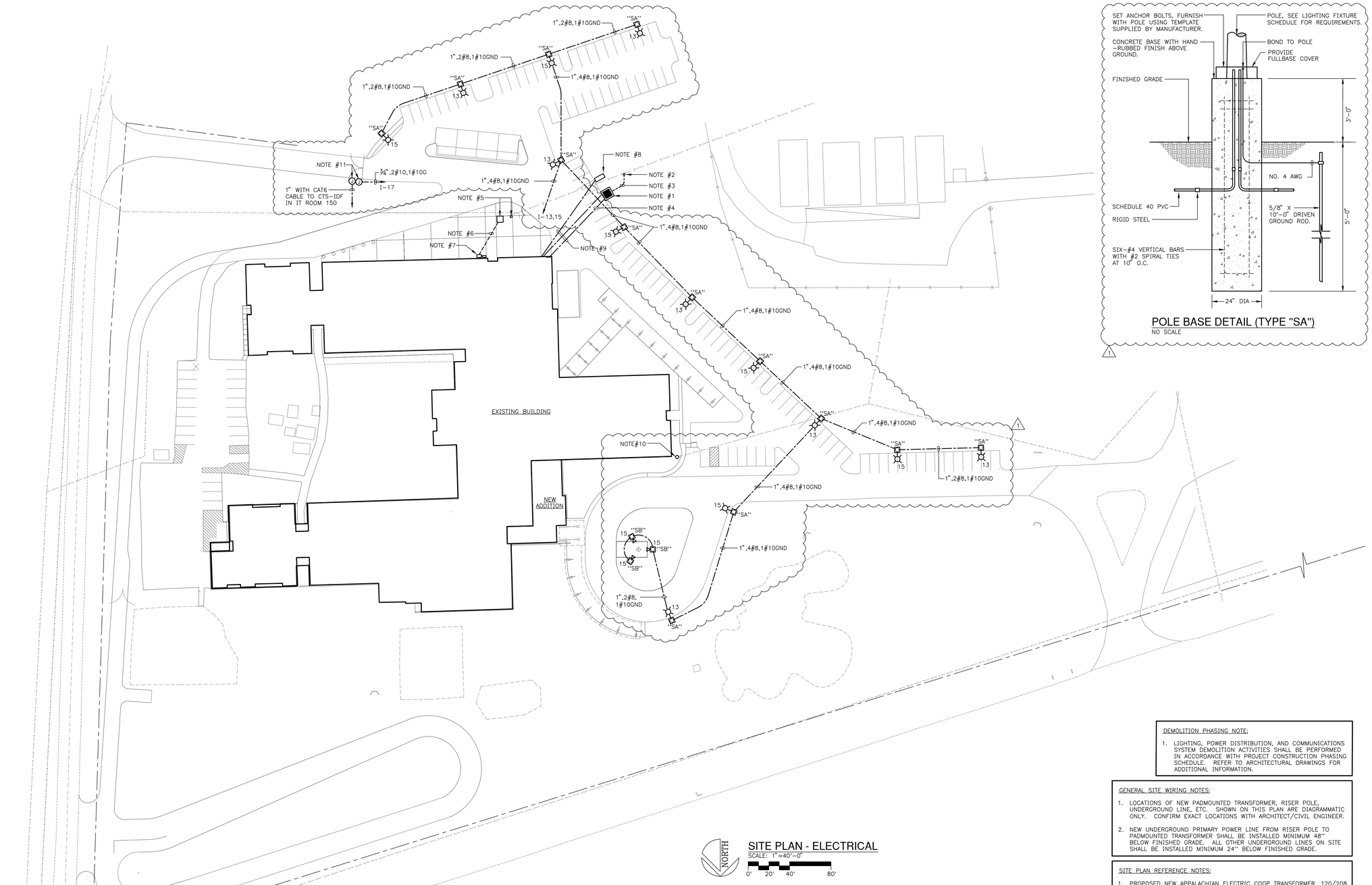
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Drawn By: BS/BR
Checked By: WRB
Project Number: 24-10

Revisions

No.	Date:
⚠1 REVISION	11-6-2026

Drawing Title:
Room Finish Schedule

Drawing No.:
A9.0



POLE BASE DETAIL (TYPE "SA")

NO SCALE

1

DEMOLITION PHASING NOTE:

1. LIGHTING, POWER DISTRIBUTION, AND COMMUNICATIONS SYSTEM DEMOLITION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH PROJECT CONSTRUCTION PHASING SCHEDULE. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

GENERAL SITE WIRING NOTES:

1. LOCATIONS OF NEW PADMOUNTED TRANSFORMER, RISER POLE, UNDERGROUND LINE, ETC. SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY. CONFIRM EXACT LOCATIONS WITH ARCHITECT/CIVIL ENGINEER.
2. NEW UNDERGROUND PRIMARY POWER LINE FROM RISER POLE TO PADMOUNTED TRANSFORMER SHALL BE INSTALLED MINIMUM 48" BELOW FINISHED GRADE. ALL OTHER UNDERGROUND LINES ON SITE SHALL BE INSTALLED MINIMUM 24" BELOW FINISHED GRADE.

SITE PLAN REFFERENCE NOTES:

1. PROPOSED NEW APPALACHIAN ELECTRIC COOP TRANSFORMER, 120/208 VOLT, 3–PHASE, 4–WIRE, WYE. PROVIDE CONCRETE PAD PER APPALACHIAN ELECTRIC COOP SPECIFICATIONS.
2. PROPOSED NEW APPALACHIAN ELECTRIC COOP RISER POLE TO SERVE NEW PADMOUNTED TRANSFORMER.
3. PROVIDE UNDERGROUND EMPTY CONDUITS AS REQUIRED BY APPALACHIAN ELECTRIC COOP FOR NEW PRIMARY POWER LINE FROM RISER POLE TO NEW PADMOUNTED TRANSFORMER.
4. PROVIDE NEW UNDERGROUND SECONDARY POWER LINE FROM PADMOUNTED TRANSFORMER TO NEW SWITCHBOARD. SEE FEEDER DIAGRAM FOR ADDITIONAL INFORMATION.
5. ARRANGE WITH APPALACHIAN ELECTRIC COOP FOR REMOVAL OF EXISTING PADMOUNTED TRANSFORMER, RISER POLE, AND ALL ASSOCIATED PRIMARY WIRING FACILITY.
6. REMOVE EXISTING UNDERGROUND SECONDARY WIRING FROM PADMOUNTED TRANSFORMER BEING REMOVED TO EXISTING 2000 AMPERE EXTERIOR SWITCHBOARD BEING REMOVED.
7. REMOVE EXISTING EXTERIOR 2000 AMPERE MAIN SWITCHBOARD AND 600 AMPERE DISTRIBUTION PANEL.
8. PROVIDE NEW NATURAL GAS GENERATOR, SEE "FIRE PUMP WIRING DIAGRAM" ON DRAWING E8.4 FOR ADDITIONAL INFORMATION.
9. PROVIDE UNDERGROUND WIRING FROM THE PADMOUNTED TRANSFORMER TO THE FIRE PUMP CONTROLLER, UNDERGROUND WIRING FROM PANEL "1" TO THE GENERATOR, AND UNDERGROUND WIRING FROM GENERATOR TO THE FIRE PUMP CONTROLLER. SEE "FIRE PUMP WIRING DIAGRAM" ON DRAWING E8.4 FOR ADDITIONAL INFORMATION.
10. ARRANGE WITH APPALACHIAN ELECTRIC COOP FOR REMOVAL OF EXISTING POLE AND ASSOCIATED OVERHEAD WIRING.
11. PROVIDE 120V. POWER AND DATA FROM BUILDING TO SERVE AUTOMATIC GATE NOTED. CONFIRM ROUGH–IN AND CONNECTION REQUIREMENTS WITH G.C. AND GATE INSTALLER.

SITE LIGHTING FIXTURE SCHEDULE

DESIGNATION	ILLUMINATION: WATTS	ILLUMINATION: DELIVERED LUMENS	ILLUMINATION: COLOR TEMPERATURE	POLE DESCRIPTION: MATERIAL, SHAPE: ALUMINUM	STEEL	ROUND	SQUARE	HEIGHT ABOVE FINISHED GRADE	DESCRIPTION: SHIELDING, TYPE MATERIALS, FINISH, MOUNTING	MANUFACTURER'S PRODUCT ITEM: COMPANY	POLE CATALOG NO.	LUMINAIRE CATALOG NO.	REMARKS
SA	219	30,068	4000	•		•		25 FT.	POLE MOUNTED AREA LIGHT, FULL CUTOFF, FORWARD THROW MEDIUM DISTRIBUTION, DARK BRONZE FINISH, FULL BASE COVER	LITHONIA	RSS 23 5B DM19AS DDBXD	DSX2 LED P3 40K 70CRI TFTM MVOLT RPA DDBXD	23 FOOT POLE ON 36" CONCRETE BASE.
SB	64	8,546	4000						GROUND MOUNTED FLOODLIGHT, SPOT OPTICS FOR ILLUMINATION OF FLAG, DARK BRONZE FINISH	LITHONIA		DSXF2 LED P1 40K 70CRI NSP MVOLT THK DDBXD	–

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Seal

HAROLD E. DAMRON — REGISTERED ENGINEER — AGRICULTURE — 11-10-26 — NO. 022989 — STATE OF TENNESSEE

Date:	9-1-2026
Drawn By:	VEI
Checked By:	HD
Project Number:	24-05

Revisions

No.		Date:
1	SITE REVISION	11–10–2026

Drawing Title:
Site Plan
Electrical

Drawing No.:

ES1.0 ELECTRICAL

PANEL (H) — MAINS: 400A; MAIN BREAKER: NO; FEEDER SIZE: 2#3/0/PH.; VOLTAGE/PHASE: 120/208/3; SHORT CKT. CAPACITY: 10,000; FED FROM: SWITCHBOARD; MOUNTING: FLUSH; ENTRY: TOP; BUS: COPPER

CKT. NO.	SERVES	LOAD (kVA) øA	øB	øC	BREAKER TRIP	POLE	BREAKER POLE	TRIP	LOAD (kVA) øA	øB	øC	SERVES	CKT. NO.
1	CONV. OVEN-43	8.4			90	3	1	20	1.7			WARMING CABINET	2
3			8.4		|	|	ST	ST				SHUNT TRIP	4
5				8.4	|	|	1	20			0.5	HOOD LIGHTS	6
7	SHUNT TRIP				ST	ST	ST	ST				SHUNT TRIP	8
9	CONV. OVEN-43		8.4		90	3	1	20		0.5		HOOD EXTINGUISHING SYS.	10
11				8.4	|	|	1	20				SPARE	12
13		8.4			|	|	1	20				SPARE	14
15	SHUNT TRIP				ST	ST	1	20				SPARE	16
17	BRAISING PAN-46			2.6	30	3	1	20				SPARE	18
19		2.6			|	|	1	20				SPARE	20
21			2.6		|	|	1	20				SPARE	22
23	SHUNT TRIP				ST	ST	1	20				SPARE	24
25	STEAMER-45	5.0			60	3	3	80	7.0			DISH MACHINE	26
27			5.0		|	|	|	|		7.0			28
29				5.0	|	|	|	|			7.0		30
31	SHUNT TRIP				ST	ST	3	70	6.0			DISH MACHINE	32
33	STEAMER-45		5.0		60	3	|	|		6.0			34
35				5.0	|	|	|	|			6.0		36
37		5.0			|	|	3	20	0.4			SCRAP COLLECTOR	38
39	SHUNT TRIP				ST	ST	|	|		0.4			40
41	SPARE				20	1	|	|			0.4		42
	SUB TOTAL CONNECTED	29.4	29.4	29.4					15.1	13.9	13.9	SUB TOTAL CONNECTED	

SUB TOTAL CONNECTED øA: 44.5 SUB TOTAL CONNECTED øB: 43.3 SUB TOTAL CONNECTED øC: 43.3 TOTAL CONNECTED: 131.1

NOTES:
1. REMOVE EXISTING PANEL AND REPLACE WITH NEW PANEL SCHEDULED ABOVE. REMOVE ALL BRANCH WIRING FED FROM PANEL BEING REMOVED. PROVIDE BRANCH WIRING ALTERATIONS AS NOTED ON ELECTRICAL DRAWINGS. PROVIDE NEW FEEDER AS ILLUSTRATED ON FEEDER DIAGRAM.
2. PROVIDE "SHUNT TRIP" CIRCUIT BREAKERS AS NOTED IN SCHEDULE ABOVE. PROVIDE INTERLOCK WIRING FROM THESE CIRCUIT BREAKERS WITH HOOD EXTINGUISHING SYSTEM SUCH THAT ACTIVATION OF HOOD SYSTEM SHUTS OFF POWER TO THESE CIRCUITS.

PANEL (I) — MAINS: 100A; MAIN BREAKER: NO; FEEDER SIZE: #2; VOLTAGE/PHASE: 120/208/3; SHORT CKT. CAPACITY: 42,000; FED FROM: PANEL AC1; MOUNTING: SURFACE; ENTRY: TOP; BUS: COPPER

CKT. NO.	SERVES	LOAD (kVA) øA	øB	øC	BREAKER TRIP	POLE	BREAKER POLE	TRIP	LOAD (kVA) øA	øB	øC	SERVES	CKT. NO.
1	GAS WATER HEATER	0.5			20	1	1	20	0.6			CORRIDOR LTG.	2
3	RECIRCULATION PUMP		0.5		20	1	1	20		0.3		UNDERCANOPY LTG.	4
5	GENSET BLOCK HEATER			1.0	20	2	1	20			0.8	MECH/ELEC/RISER RECEPT.	6
7		1.0			|	|	1	20	0.8			CORRIDOR/EXT. RECEPT.	8
9	GENSET BATTERY CHARGER		0.5		20	1	1	20		1.0		CORRIDOR/EXT. RECEPT.	10
11	GENSET GFCI RECEPT.			0.2	20	1	1	20			0.4	MECH/ELECT. LTG.	12
13	EXTERIOR POLE LIGHTING	1.5			20	1	3	20	0.5			JOCKEY PUMP	14
15	EXTERIOR POLE LIGHTING		1.5		20	1	|	|		0.5			16
17	EXTERIOR AUTOMATIC GATE			0.5	20	1	|	|			0.5		18
19	SPARE				20	1	1	20				SPARE	20
21	SPARE				20	1	1	20				SPARE	22
23	SPARE				20	1	1	20				SPARE	24
25	SPACE ONLY				20	1	1	20				SPACE ONLY	26
27	SPACE ONLY				20	1	1	20				SPACE ONLY	28
29	SPACE ONLY				20	1	1	20				SPACE ONLY	30
31	SPACE ONLY				20	1	1	20				SPACE ONLY	32
33	SPACE ONLY				20	1	1	20				SPACE ONLY	34
35	SPACE ONLY				20	1	1	20				SPACE ONLY	36
37	SPACE ONLY				20	1	1	20				SPACE ONLY	38
39	SPACE ONLY				20	1	1	20				SPACE ONLY	40
41	SPACE ONLY				20	1	1	20				SPACE ONLY	42
	SUB TOTAL CONNECTED	3.0	2.5	1.7					1.9	1.8	1.7	SUB TOTAL CONNECTED	

SUB TOTAL CONNECTED øA: 4.9 SUB TOTAL CONNECTED øB: 4.3 SUB TOTAL CONNECTED øC: 3.4 TOTAL CONNECTED: 12.6

NOTES:
– –
– –

PANEL (J) — MAINS: 400A (ETR); MAIN BREAKER: NO; FEEDER SIZE: #500MCM; VOLTAGE/PHASE: 120/208/3; SHORT CKT. CAPACITY: 10,000; FED FROM: SWBD; MOUNTING: FLUSH (ETR); ENTRY: TOP; BUS: ETR

CKT. NO.	SERVES	LOAD (kVA) øA	øB	øC	BREAKER TRIP	POLE	BREAKER POLE	TRIP	LOAD (kVA) øA	øB	øC	SERVES	CKT. NO.
1	RTU C-1	3.2			50	3	3	50	3.2			RTU C-2	2
3			3.2		|	|	|	|		3.2			4
5				3.2	|	|	|	|			3.2		6
7	RTU C-3	3.2			50	3	3	50	3.2			RTU C-4	8
9			3.2		|	|	|	|		3.2			10
11				3.2	|	|	|	|			3.2		12
13	EH-C1	1.5			20	2	3	50				SPARE	14
15			1.5		|	|	|	|					16
17	SPARE				20	2	|	|					18
19					|	|	1	20				SPACE ONLY	20
21	SPACE ONLY				20	1	1	20				SPACE ONLY	22
23	SPACE ONLY				20	1	1	20				SPACE ONLY	24
25	SPACE ONLY				20	1	1	20				SPACE ONLY	26
27	SPACE ONLY				20	1	1	20				SPACE ONLY	28
29	SPACE ONLY				20	1	1	20				SPACE ONLY	30
31	SPACE ONLY				20	1	1	20				SPACE ONLY	32
33	SPACE ONLY				20	1	1	20				SPACE ONLY	34
35	SPACE ONLY				20	1	1	20				SPACE ONLY	36
37	PANEL "M"	5.1			150	3	1	20				SPACE ONLY	38
39			4.8		|	|	1	20				SPACE ONLY	40
41				4.3	|	|	1	20				SPACE ONLY	42
	SUB TOTAL CONNECTED	13.0	12.7	10.7					6.4	6.4	6.4	SUB TOTAL CONNECTED	

SUB TOTAL CONNECTED øA: 19.4 SUB TOTAL CONNECTED øB: 19.1 SUB TOTAL CONNECTED øC: 17.1 TOTAL CONNECTED: 55.6

NOTES:
1. EXISTING PANEL TO REMAIN (400A, 120/208 VOLT, 3-PHASE, CUTLER HAMMER). REMOVE FOUR (4) 3-POLE CIRCUIT BREAKERS SERVING ROOFTOP UNITS BEING REMOVED AND REPLACE WITH NEW CIRCUIT BREAKERS SCHEDULED ABOVE FOR REPLACEMENT ROOFTOP UNITS. PROVIDE BRANCH WIRING ALTERATIONS AS INDICATED ON DRAWINGS. PROVIDE NEW FEEDER TO PANEL "J," SEE FEEDER DIAGRAM.

PANEL (K) — MAINS: 400A (ETR); MAIN BREAKER: NO; FEEDER SIZE: #500MCM; VOLTAGE/PHASE: 120/208/3; SHORT CKT. CAPACITY: 10,000; FED FROM: SWBD; MOUNTING: FLUSH (ETR); ENTRY: TOP; BUS: ETR

CKT. NO.	SERVES	LOAD (kVA) øA	øB	øC	BREAKER TRIP	POLE	BREAKER POLE	TRIP	LOAD (kVA) øA	øB	øC	SERVES	CKT. NO.
1	RTU C-33	3.2			50	3	3	50	3.2			RTU C-34	2
3			3.2		|	|	|	|		3.2			4
5				3.2	|	|	|	|			3.2		6
7	RTU C-35	3.2			50	3	3	50	3.2			RTU C-36	8
9			3.2		|	|	|	|		3.2			10
11				3.2	|	|	|	|			3.2		12
13	RTU C-37	3.2			50	3	2	20	1.5			EH-C7	14
15			3.2		|	|	|	|		1.5			16
17				3.2	|	|	2	20			1.5	EH-C6	18
19	SPACE ONLY				20	1	|	|	1.5				20
21	SPACE ONLY				20	1	2	20		1.3		DCU C-2	22
23	SPACE ONLY				20	1	|	|			1.3		24
25	SPACE ONLY				20	1	1	20				SPACE ONLY	26
27	SPACE ONLY				20	1	1	20				SPACE ONLY	28
29	SPACE ONLY				20	1	1	20				SPACE ONLY	30
31	SPACE ONLY				20	1	1	20				SPACE ONLY	32
33	SPACE ONLY				20	1	1	20				SPACE ONLY	34
35	SPACE ONLY				20	1	1	20				SPACE ONLY	36
37	PANEL "L"	6.0			150	3	3	100	6.0			PANEL "O"	38
39			6.2		|	|	|	|		5.6			40
41				5.0	|	|	|	|			5.6		42
	SUB TOTAL CONNECTED	15.6	15.8	14.6					15.4	14.8	14.8	SUB TOTAL CONNECTED	

SUB TOTAL CONNECTED øA: 31.0 SUB TOTAL CONNECTED øB: 30.6 SUB TOTAL CONNECTED øC: 29.4 TOTAL CONNECTED: 91.0

NOTES:
1. EXISTING PANEL TO REMAIN (400A, 120/208 VOLT, 3-PHASE, CUTLER HAMMER). REMOVE FIVE (5) 3-POLE CIRCUIT BREAKERS SERVING ROOFTOP UNITS BEING REMOVED AND REPLACE WITH NEW CIRCUIT BREAKERS SCHEDULED ABOVE FOR REPLACEMENT ROOFTOP UNITS. PROVIDE BRANCH WIRING ALTERATIONS AS INDICATED ON DRAWINGS. PROVIDE NEW FEEDER TO PANEL "K," SEE FEEDER DIAGRAM.

PANEL (L) — MAINS: 150A (ETR); MAIN BREAKER: NO (ETR); FEEDER SIZE: #1/0; VOLTAGE/PHASE: 120/208/3; SHORT CKT. CAPACITY: 10,000 (ETR); FED FROM: PANEL K; MOUNTING: FLUSH (ETR); ENTRY: ETR; BUS: ETR

CKT. NO.	SERVES	LOAD (kVA) øA	øB	øC	BREAKER TRIP	POLE	BREAKER POLE	TRIP	LOAD (kVA) øA	øB	øC	SERVES	CKT. NO.
1	CLASSROOM/TLT. LTG.	0.9			20	1	1	20	0.7			CLASSROOM LTG.	2
3	CLASSROOM LTG.		0.7		20	1	1	20		0.7		CLASSROOM LTG.	4
5	CLASSROOM/EXT. RECEPT.			1.0	20	1	1	20			0.7	CLASSROOM LTG.	6
7	CLASSROOM/TLT. RECEPT.	0.8			20	1	1	20	0.8			CLASSROOM RECEPT.	8
9	CLASSROOM RECEPT.		0.8		20	1	1	20		0.8		CLASSROOM RECEPT.	10
11	CORRIDOR EWC			0.5	20	1	1	20			0.8	CLASSROOM RECEPT.	12
13	CORRIDOR/EXT. RECEPT.	0.8			20	1	1	20	0.8			CLASSROOM RECEPT.	14
15	ROOFTOP GFCI RECEPT.		1.2		20	1	1	20		0.8		CLASSROOM RECEPT.	16
17	IDF CTS RECEPT.			0.4	20	1	1	20			0.8	CLASSROOM RECEPT.	18
19	IDF CTS RECEPT.	0.4			20	1	1	20	0.8			CLASSROOM RECEPT.	20
21	IDF CTS RECEPT.		0.4		20	1	1	20		0.8		CLASSROOM RECEPT.	22
23	SPARE				20	1	1	20			0.8	CLASSROOM RECEPT.	24
25	SPARE				20	1	1	20				SPARE	26
27	SPARE				20	1	1	20				SPARE	28
29	SPARE				20	1	1	20				SPARE	30
31	SPARE				20	1	1	20				SPARE	32
33	SPARE				20	1	1	20				SPARE	34
35	SPARE				20	1	1	20				SPARE	36
37	SPARE				20	1	1	20				SPARE	38
39	SPARE				20	1	1	20				SPARE	40
41	SPARE				20	1	1	20				SPARE	42
	SUB TOTAL CONNECTED	2.9	3.1	1.9					3.1	3.1	3.1	SUB TOTAL CONNECTED	

SUB TOTAL CONNECTED øA: 6.0 SUB TOTAL CONNECTED øB: 6.2 SUB TOTAL CONNECTED øC: 5.0 TOTAL CONNECTED: 17.2

NOTES:
1. EXISTING PANEL TO REMAIN (150A, 120/208 VOLT, 3-PHASE, 4-WIRE, CUTLER HAMMER). PANEL CURRENTLY CONTAINS 42-20/1 CIRCUIT BREAKERS. PROVIDE BRANCH WIRING ALTERATIONS AS SHOWN ON DRAWINGS.
2. PROVIDE GFI CIRCUIT BREAKERS FOR CIRCUIT 11.

PANEL (M) — MAINS: 150A (ETR); MAIN BREAKER: NO (ETR); FEEDER SIZE: #1/0 (ETR); VOLTAGE/PHASE: 120/208/3; SHORT CKT. CAPACITY: 10,000 (ETR); FED FROM: PANEL J; MOUNTING: FLUSH (ETR); ENTRY: ETR; BUS: ETR

CKT. NO.	SERVES	LOAD (kVA) øA	øB	øC	BREAKER TRIP	POLE	BREAKER POLE	TRIP	LOAD (kVA) øA	øB	øC	SERVES	CKT. NO.
1	CLASSROOM/TLT. LTG.	0.9			20	1	1	20	0.6			CLASSROOM/TLT. RECEPT.	2
3	CLASSROOM/TLT. LTG.		0.9		20	1	1	20		0.8		CLASSROOM RECEPT.	4
5	CLASSROOM/TLT. LTG.			0.9	20	1	1	20			0.6	CLASSROOM RECEPT.	6
7	CLASSROOM/TLT. LTG.	0.9			20	1	1	20	0.8			CLASSROOM/TLT. RECEPT.	8
9	CORRIDOR/IT RM. LTG.		0.5		20	1	1	20		0.6		CLASSROOM RECEPT.	10
11	CLASSROOM/TLT. RECEPT.			0.8	20	1	1	20			0.6	CLASSROOM RECEPT.	12
13	CLASSROOM RECEPT.	0.6			20	1	1	20	0.8			CLASSROOM/TLT. RECEPT.	14
15	CLASSROOM RECEPT.		0.6		20	1	1	20		0.6		CLASSROOM RECEPT.	16
17	CORRIDOR/EXT. RECEPT.			0.8	20	1	1	20			0.6	CLASSROOM RECEPT.	18
19	CORRIDOR EWC	0.5			20	1	1	20				SPARE	20
21	ROOFTOP GFCI RECEPT.		0.8		20	1	1	20				SPARE	22
23	SPARE				20	1	1	20				SPARE	24
25	SPARE				20	1	1	20				SPARE	26
27	SPARE				20	1	1	20				SPARE	28
29	SPARE				20	1	1	20				SPARE	30
31	SPARE				20	1	1	20				SPARE	32
33	SPARE				20	1	1	20				SPARE	34
35	SPARE				20	1	1	20				SPARE	36
37	SPARE				20	1	1	20				SPARE	38
39	SPARE				20	1	1	20				SPARE	40
41	SPARE				20	1	1	20				SPARE	42
	SUB TOTAL CONNECTED	2.9	2.8	2.5					2.2	2.0	1.8	SUB TOTAL CONNECTED	

SUB TOTAL CONNECTED øA: 5.1 SUB TOTAL CONNECTED øB: 4.8 SUB TOTAL CONNECTED øC: 4.3 TOTAL CONNECTED: 14.2

NOTES:
1. EXISTING PANEL TO REMAIN (150A, 120/208 VOLT, 3-PHASE, 4-WIRE, CUTLER HAMMER). PANEL CURRENTLY CONTAINS 39-20/1 CIRCUIT BREAKERS AND 3-20/1 SPACE ONLY PROVISIONS. PROVIDE BRANCH WIRING ALTERATIONS AS SHOWN ON DRAWINGS.
2. PROVIDE GFI CIRCUIT BREAKERS FOR CIRCUIT 19.

PANEL (N) — MAINS: 400A (ETR); MAIN BREAKER: NO (ETR); FEEDER SIZE: #500MCM; VOLTAGE/PHASE: 120/208/3; SHORT CKT. CAPACITY: 10,000 (ETR); FED FROM: SWBD; MOUNTING: SURFACE; ENTRY: TOP; BUS: COPPER

CKT. NO.	SERVES	LOAD (kVA) øA	øB	øC	BREAKER TRIP	POLE	BREAKER POLE	TRIP	LOAD (kVA) øA	øB	øC	SERVES	CKT. NO.
1	RTU L-1	3.4			50	3	1	20	0.5			CLASSROOM LTG.	2
3			3.4		|	|	1	20		1.1		MEDIA CTR. LTG.	4
5				3.4	|	|	1	20			0.7	MEDIA CTR. LTG.	6
7	CLASSROOM RECEPT.	1.0			20	1	1	20	0.8			MEDIA CTR. LTG.	8
9	CLASSROOM RECEPT.		1.0		20	1	1	20		0.5		CLASSROOM LTG.	10
11	CLASSROOM RECEPT.			1.0	20	1	1	20				SPARE	12
13	CLASSROOM RECEPT.	1.0			20	1	1	20				SPARE	14
15	SPARE				20	1	1	20				SPARE	16
17	SPARE				20	1	1	20				SPARE	18
19	SPARE				20	1	1	20				SPARE	20
21	SPARE				20	1	1	20				SPARE	22
23	SPARE				20	1	1	20				SPARE	24
25	SPARE				20	1	1	20				SPARE	26
27	SPARE				20	1	1	20				SPARE	28
29	SPARE				20	1	1	20				SPARE	30
31	SPARE				20	1	1	20				SPARE	32
33	SPARE				20	1	1	20				SPARE	34
35	SPARE				20	1	1	20				SPARE	36
37	PANEL "N1"	9.9			125	3	3	125				SPARE	38
39			9.9		|	|	|	|					40
41				9.6	|	|	|	|					42
	SUB TOTAL CONNECTED	–	–	–					–	–	–	SUB TOTAL CONNECTED	

SUB TOTAL CONNECTED øA: – SUB TOTAL CONNECTED øB: – SUB TOTAL CONNECTED øC: – TOTAL CONNECTED: –

NOTES:
1. EXISTING PANEL TO REMAIN (400A, 120/208 VOLT, 3-PHASE, 4-WIRE, CUTLER HAMMER). PANEL CURRENTLY CONTAINS 2-125/3 CIRCUIT BREAKERS FOR HVAC EQUIPMENT BEING REMOVED, PLUS 28-20/1, 2-*/3, AND 1-*/2 CIRCUIT BREAKERS. PROVIDE BRANCH CIRCUIT WIRING ALTERATIONS AS INDICATED ON DRAWINGS. PROVIDE NEW FEEDER TO PANEL "N," SEE FEEDER DIAGRAM.

PANEL (N1) — MAINS: 125A; MAIN BREAKER: NO; FEEDER SIZE: #1; VOLTAGE/PHASE: 120/208/3; SHORT CKT. CAPACITY: 10,000; FED FROM: PANEL N; MOUNTING: SURFACE; ENTRY: TOP; BUS: COPPER

CKT. NO.	SERVES	LOAD (kVA) øA	øB	øC	BREAKER TRIP	POLE	BREAKER POLE	TRIP	LOAD (kVA) øA	øB	øC	SERVES	CKT. NO.
1	RTU C-16	3.2			50	3	3	50	3.2			RTU C-17	2
3			3.2		|	|	|	|		3.2			4
5				3.2	|	|	|	|			3.2		6
7	DCU-L1	1.0			20	2	2	20	1.5			EH-C4	8
9			1.0		|	|	|	|		1.5			10
11	DCU-L2			1.0	20	2	1	20			1.2	ROOFTOP GFCI RECEPT.	12
13		1.0			|	|	2	20				SPARE	14
15	DCU-L3		1.0		20	2	|	|					16
17				1.0	|	|	1	20				SPARE	18
19	SPARE				50	3	1	20				SPARE	20
21					|	|	1	20				SPARE	22
23					|	|	1	20				SPARE	24
25	SPARE				20	1	1	20				SPARE	26
27	SPARE				20	1	1	20				SPARE	28
29	SPARE				20	1	1	20				SPARE	30
31	SPARE				20	1	1	20				SPACE ONLY	32
33	SPARE				20	1	1	20				SPACE ONLY	34
35	SPARE				20	1	1	20				SPACE ONLY	36
37	SPACE ONLY				20	1	1	20				SPACE ONLY	38
39	SPACE ONLY				20	1	1	20				SPACE ONLY	40
41	SPACE ONLY				20	1	1	20				SPACE ONLY	42
	SUB TOTAL CONNECTED	5.2	5.2	5.2					4.7	4.7	4.4	SUB TOTAL CONNECTED	

SUB TOTAL CONNECTED øA: 9.9 SUB TOTAL CONNECTED øB: 9.9 SUB TOTAL CONNECTED øC: 9.6 TOTAL CONNECTED: 29.4

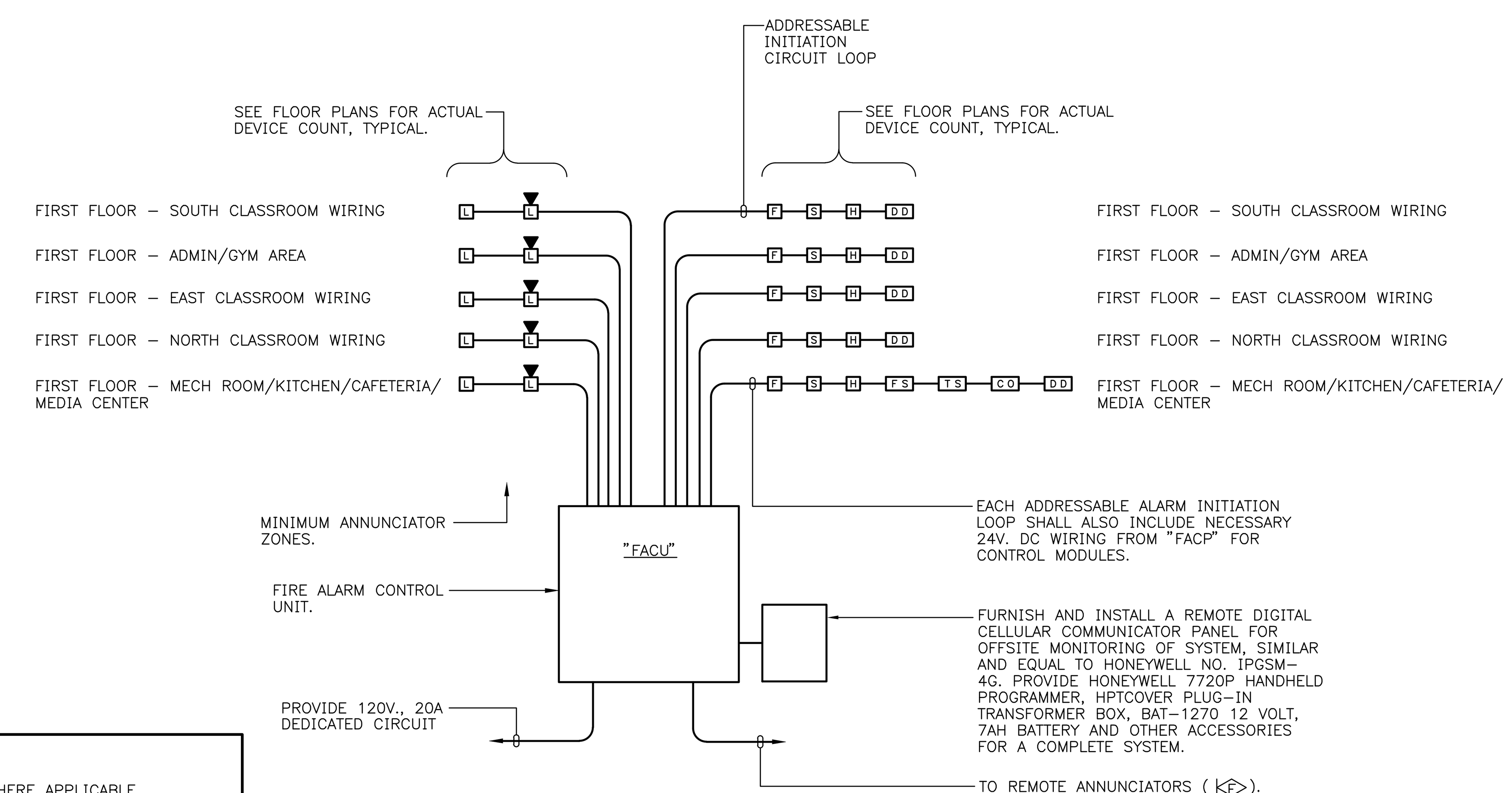
NOTES:
– –
– –

PANEL (O) — MAINS: 100A; MAIN BREAKER: NO; FEEDER SIZE: #2; VOLTAGE/PHASE: 120/208/3; SHORT CKT. CAPACITY: 10,000; FED FROM: PANEL AC5; MOUNTING: SURFACE; ENTRY: TOP; BUS: COPPER

CKT. NO.	SERVES	LOAD (kVA) øA	øB	øC	BREAKER TRIP	POLE	BREAKER POLE	TRIP	LOAD (kVA) øA	øB	øC	SERVES	CKT. NO.
1	CLASSROOM LTG.	1.0			20	1	1	20	0.5			CLASSROOM LTG.	2
3	GANG TLT/CLASSROOM LTG.		0.8		20	1	1	20		0.8		GANG TLT/CLASSROOM LTG.	4
5	CLASSROOM RECEPT.			1.0	20	1	1	20			0.8	CLASSROOM RECEPT.	6
7	CLASSROOM RECEPT.	1.0			20	1	1	20	0.8			CLASSROOM RECEPT.	8
9	CLASSROOM RECEPT.		1.0		20	1	1	20		0.8		CLASSROOM RECEPT.	10
11	CLASSROOM RECEPT.			1.0	20	1	1	20			0.8	CLASSROOM RECEPT.	12
13	CLASSROOM RECEPT.	1.0			20	1	1	20	0.5			RECIRCULATION PUMP	14
15	CLASSROOM RECEPT.		1.0		20	1	1	20		1.2		FUTURE HAND DRYER	16
17	ROOFTOP GFCI RECEPT.			0.8	20	1	1	20			1.2	FUTURE HAND DRYER	18
19	IDF RECEPT.	1.2			20	1	1	20				SPARE	20
21	IDF RECEPT.		1.2		20	1	1	20				SPARE	22
23	IDF RECEPT.			1.2	20	1	1	20				SPARE	24
25	SPACE ONLY				20	1	1	20				SPACE ONLY	26
27	SPACE ONLY				20	1	1	20				SPACE ONLY	28
29	SPACE ONLY				20	1	1	20				SPACE ONLY	30
31	SPACE ONLY				20	1	1	20				SPACE ONLY	32
33	SPACE ONLY				20	1	1	20				SPACE ONLY	34
35	SPACE ONLY				20	1	1	20				SPACE ONLY	36
37	SPACE ONLY				20	1	1	20				SPACE ONLY	38
39	SPACE ONLY				20	1	1	20				SPACE ONLY	40
41	SPACE ONLY				20	1	1	20				SPACE ONLY	42
	SUB TOTAL CONNECTED	4.2	4.0	4.0					1.8	2.8	2.8	SUB TOTAL CONNECTED	

SUB TOTAL CONNECTED øA: 6.0 SUB TOTAL CONNECTED øB: 6.8 SUB TOTAL CONNECTED øC: 6.8 TOTAL CONNECTED: 19.6

NOTES:
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FIRE ALARM RISER DIAGRAM
NO SCALE

FIRE ALARM NOTES:

1. THE FIRE ALARM CONTRACTOR MUST BE CERTIFIED IN ACCORDANCE WITH THE TENNESSEE ALARM CONTRACTORS LICENSING ACT OF 1991, TCA TITLE 62, CHAPTER 32. CALL 615-741-9771 FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL SUBMIT BATTERY CALCULATIONS IN ACCORDANCE WITH REQUIREMENTS OF NFPA 72. BATTERY CALCULATIONS SHALL BE INCLUDED AS AS PART OF SUBMITTALS FOR FIRE ALARM SYSTEM.
3. ALL REQUIRED DOCUMENTATION REGARDING THE DESIGN OF FIRE DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS AND THE PROCEDURES FOR MAINTENANCE, INSPECTION, AND TESTING OF FIRE DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS SHALL BE MAINTAINED AT AN APPROVED, SECURED LOCATION FOR THE LIFE OF THE SYSTEM. (IFC 901.6.2.1).
4. TWO OR MORE VISIBLE NOTIFICATION APPLIANCES IN THE SAME ROOM OR ADJACENT SPACE WITHIN THE FIELD OF VIEW MUST FLASH IN SYNCHRONIZATION. (NFPA 72 7.5.4.1.1 AND 7.5.4.1.2(3))
5. FIRE ALARM CONTROL PANEL CIRCUIT DISCONNECTING MEANS SHALL HAVE A RED MARKING, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT". THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT. (2010 NFPA 72, 10.5.5.2.2)
6. FIRE ALARM SYSTEM EXPANSION SHALL COMPLY WITH THE FOLLOWING CODES:
   NFPA 101 LIFE SAFETY CODE
   NFPA 72
   NFPA 70
   NFPA 90A
   NFPA 92A
   NFPA 13
   NFPA 13R
   NFPA 13D
   NFPA 14
   INTERNATIONAL BUILDING CODE
   INTERNATIONAL FIRE CODE
   INTERNATIONAL MECHANICAL CODE
7. PROVIDE VOICE EVACUATION FIRE ALARM SYSTEM IN ACCORDANCE WITH PROJECT MANUAL REQUIREMENTS. VOICE EVACUATION SHALL BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF NFPA 72(3.3.208), NFPA 101(12.3.4, 9.6.2, 9.6.3.), AND IBC 907.5.2.2. VOICE ANNOUNCEMENTS SHALL BE PRE-RECORDED AND SHALL BE AUDIBLE ABOVE AMBIENT NOISE LEVEL IN ACCORDANCE WITH CODE REQUIREMENTS. STANDBY BATTERIES IN FACP SHALL BE SIZED TO SERVE REQUIRED VOICE ANNOUNCEMENTS.
8. DIGITAL ALARM COMMUNICATION SYSTEMS (DACT & DACR) WHERE APPLICABLE SHALL BE INSTALLED AS PER THE FOLLOWING:
   A. DIGITAL ALARM COMMUNICATOR TRANSMITTER (DACT) SHALL BE CONNECTED TO THE PUBLIC SWITCHED TELEPHONE NETWORK UPSTREAM OF ANY PRIVATE TELEPHONE SYSTEM AT THE PROTECTED PREMISES. (NFPA 72 8.5.3.2.1.3)
      1. DACT SHALL BE CONFIGURED SO THAT IT SHALL SEIZE THE TELEPHONE LINE, DISCONNECT AN OUTGOING OR INCOMING TELEPHONE CALL, AND PREVENT USE OF THE TELEPHONE LINE FOR OTHER TELEPHONE CALLS UNTIL SIGNAL TRANSMISSION HAS BEEN COMPLETED.
      2. DACT SHALL HAVE THE MEANS TO SATISFACTORILY OBTAIN A DIAL TONE, DIAL THE NUMBER(S) OF THE DACR, OBTAIN VERIFICATION THAT THE DACR IS ABLE TO RECEIVE SIGNALS, TRANSMIT THE SIGNAL, AND RECEIVE ACKNOWLEDGMENT THAT THE DACR HAS ACCEPTED THAT SIGNAL WITHIN 90 SECONDS PER ATTEMPT.
      3. DACT SHALL HAVE MEANS TO RESET AND RETRY IF THE FIRST ATTEMPT TO COMPLETE A SIGNAL TRANSMISSION SEQUENCE IS UNSUCCESSFUL. A FAILURE TO COMPLETE CONNECTION SHALL NOT PREVENT SUBSEQUENT ATTEMPTS TO TRANSMIT AN ALARM WHERE SUCH ALARM IS GENERATED FROM ANY OTHER INITIATING DEVICE CIRCUIT OR SIGNALING LINE CIRCUIT, OR BOTH. ADDITIONAL ATTEMPTS SHALL BE MADE UNTIL THE SIGNAL TRANSMISSION SEQUENCE HAS BEEEN COMPLETED, UP TO A MINIMUM OF 5 AND A MAXIMUM OF 10 ATTEMPTS.
      4. IF THE MAXIMUM NUMBER OF ATTEMPTS TO COMPLETE THE SEQUENCE IS REACHED, AN INDICATION OF THE FAILURE SHALL BE MADE AT THE PREMISES.
      5. A SECOND MEANS OF SIGNAL TRANSMISSION SHALL BE PROVIDED.
   B. THE DIGITAL ALARM COMMUNICATOR RECEIVER (DACR) SHALL BE LOCATED AT THE SUPERVISING OR SUBSIDIARY STATION AND SHALL BE CONNECTED TO MINIMUM OF TWO SEPERATE INCOMING TELEPHONE LINES (NUMBERS). THE LINES (NUMBERS) SHALL HAVE THE FOLLOWING CHARACTERISTICS. (NFPA 72 8.5.3.2.2)
      1. IF THE LINES ARE IN A SINGLE HUNT GROUP, THEY SHALL BE INDIVIDUALLY ACCESSIBLE; OTHERWISE, SEPERATE HUNT GROUPS SHALL BE REEQUIRED. (NFPA 72 8.5.3.2.2.2(1))
      2. THE LINES SHALL BE USED FOR NO OTHER PURPOSES THAN RECEIVING SIGNALS FROM A DACT.
      3. THE LINES (NUMBERS) SHALL BE UNLISTED.
   C. THE FAILURE OF ANY TELEPHONE LINE CONNECTED TO A DACR DUE TO LINE OF LINE VOLTAGE SHALL BE ANNUNCIATED VISUALLY AND AUDIBLY IN THE SUPERVISING STATION.
9. FIRE ALARM WIRING INSTALLED ABOVE ACCESSIBLE LAY-IN ACOUSTICAL TILE CEILINGS SHALL BE PERMITTED TO BE RUN EXPOSED WITH APPROPRIATE CABLING SUPPORTS. DO NOT USE CABLE TRAY FOR FIRE ALARM WIRING. CABLING SUPPORTS FOR FIRE ALARM WIRING SHALL BE INDEPENDENT FROM OTHER LOW VOLTAGE WIRING CABLING SUPPORTS. ALL OTHER FIRE ALARM WIRING ON THE PROJECT SHALL BE RUN IN CONDUIT. MINIMUM CONDUIT SIZE FOR FIRE ALARM WIRING SHALL BE ¾" WITH LARGER CONDUIT SIZES USED AS REQUIRED.

FIRE ALARM SYSTEM OPERATION SCHEDULE

	ALARM AT PANEL	SUPERVISORY ALARM AT PANEL	ACTIVATE EVACUATION SIGNAL	CALL FIRE DEPARTMENT	SHUT DOWN AHU	RELEASE SMOKE DOORS	NOTIFICATION ZONES A	B	C	D	E
MANUAL STATIONS	●		●	●		●	●	●	●	●	●
SMOKE DETECTORS	●		●	●		●	●	●	●	●	●
HEAT DETECTOR	●		●	●		●	●	●	●	●	●
DUCT DETECTOR		●			●						
OPEN CIRCUIT		●									
GROUND FAULT		●									
NOTIFICATION APPLIANCE SHORT CIRCUIT		●									
FIRE ALARM LOW BATTERY		●									
FIRE ALARM AC POWER FAILURE		●									
SPRINKLER SYSTEM FLOW SWITCH			●	●		●	●	●	●	●	●
SPRINKLER SYSTEM SUPV. VALVE		●									

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Seal

HAROLD E. DAMRON REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 022989 STATE OF TENNESSEE 11-10-26

Date: 9-1-2026
Drawn By: VEI
Checked By: HD
Project Number: 24-05

Revisions

No.		Date:
1	SITE REVISION	11-10-2026

Drawing Title:
Panelboard Schedules

Drawing No.:
E8.3 ELECTRICAL

E8.3 Jefferson Elementary School – Panelboard Schedules.dwg
B.L.E. 11/11/26 12:06 PM HD25234(HD)