

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2025-266
Item to be Scouted	Roller Window Shades
Days to be scouted	15
Response Due By	08/29/2025
Description	Manually and motor operated roller shades with single rollers.
State item to be used in	Alabama

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Manufacturing process includes cutting fabric to custom dimensions, then attaching it to a metal roller tube using adhesive or spline insertion. The roller is fitted with either a clutch mechanism (manual) or a tubular motor (motorized), and mounted onto brackets with optional accessories like bottom rails and valances. Final assembly includes quality checks, packaging, and labeling for shipment.
Provide dimensions / size / tolerances / performance specifications for the item	See attached drawings - A240 (A240_ EXTERIOR GLAZING WINDOW SCHEDULE ELEVATIONS Rev.0 markup.pdf)  - A620(BABA Waiver - Roller Shades_r1.pdf)  - A920(BABA Waiver - Roller Shades_r1.pdf)
List required materials needed to make the product, including materials of product components	Rollers: Corrosion-resistant steel or extruded-aluminum tubes; Mounting hardware: brackets or endcaps; Light-filtering fabric: woven fabric, stain and fade resistant
Are there applicable certification requirements?	Yes
Certification(s) required	UL
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	Yes
Details	National Fire Protection Association (NFPA) 701, NFPA 70 (Class 2 Control Circuit), National Electrical Manufacturers Association (NEMA) Isochorismate synthase 1 (ICS1), NEMA ICS2, NEMA ICS6, and NEMA MG1.
Additional Technical Comments	Note... no exceptions. Product must already be listed and meet certification requirements. Not interested in "building to suit" without appropriate certifications already in place.  Product shall comply with FY2022-2023,2024 Build America Buy America guidelines.

## Section 4: Business Information

Estimated potential business volume	One time purchase of 10 manual shades and 10 motorized shades.
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Estimated target price / unit cost information (if unavailable explain)	Estimated initial purchase value of \$25k based on sizes and quantities needed. This is based on estimated value of a commercially available product as specified that is NOT BABAA-Compliant.
When is it needed by?	April 2026
Describe packaging requirements	Deliver shades in factory packages, marked with manufacturer and product name, fire-test-response characteristics, and location of installation using same room designations indicated on drawings and in window treatment schedule.
Where will this item be shipped?	Tuscaloosa, Alabama

Additional Comments	
Is there other information you would like to include?	We are looking only for manufacturers who have commercially available products that meet these requirements, and will be able to manufacturer, warranty, and maintain these products for the life of the product. We will not entertain potential suppliers who do not have these commercially available products already available.

## SECTION 122413 - ROLLER WINDOW SHADES

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Manually operated roller shades with single rollers.
2. Motor-operated roller shades with single rollers.

B. Related Requirements:

1. Division 26 Sections for electrical service and connections for motor operators, controls, limit switches, and other powered devices and for system disconnect switches for motorized shade operation.

#### 1.2 ACTION SUBMITTALS

A. Product Data: For each type of product indicated. Include styles, material descriptions, construction details, dimensions of individual components and profiles, features, finishes, and operating instructions.

1. Motorized Shade Operators: Include operating instructions.
2. Motors: Show nameplate data, ratings, characteristics, and mounting arrangements.

B. Shop Drawings: Show location and extent of roller shades. Include elevations, sections, details, and dimensions not shown in Product Data. Show installation details, mountings, attachments to other Work, operational clearances, and relationship to adjoining work.

1. Motorized Shade Operators: Show locations and details for installing operator components, switches, and controls. Indicate motor size, electrical characteristics, drive arrangement, mounting, and grounding provisions.
2. Wiring Diagrams: Power, system, and control wiring.

C. Coordination Drawings: Reflected ceiling plans drawn to scale and coordinating penetrations and ceiling-mounted items. Show the following:

1. Ceiling suspension system members and attachment to building structure.
2. Shade mounting assembly and attachment.
3. Size and location of access to shade operator, motor, and adjustable components.
4. Minimum Drawing Scale: 1/4 inch = 1 foot .

D. Samples for Verification:

1. For the following products:
  - a. Shade Material: Not less than 12-inch- square section of fabric, from dye lot used for the Work, with specified treatments applied. Show complete pattern repeat. Mark top and face of material.

E. Window Treatment Schedule: Include roller shades in schedule using same room designations indicated on Drawings.

### 1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

### 1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roller shades to include in maintenance manuals. Include the following:
  - 1. Methods for maintaining roller shades and finishes.
  - 2. Precautions about cleaning materials and methods that could be detrimental to fabrics, finishes, and performance.
  - 3. Operating hardware.
  - 4. Motorized shade operator.

### 1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Roller Shades: Full-size units equal to 5 percent of quantity installed for each size, color, and shadeband material indicated, but no fewer than two units.

### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed installation of roller shades similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- B. Source Limitations: Obtain roller shades through one source from a single manufacturer.
- C. Fire-Test-Response Characteristics: Provide roller shade band materials with the fire-test-response characteristics indicated, as determined by testing identical products per test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
  - 1. Flame-Resistance Ratings: Passes NFPA 701.
- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- E. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.
  - 1. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  - 2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.



## 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shades in factory packages, marked with manufacturer and product name, fire-test-response characteristics, and location of installation using same room designations indicated on Drawings and in a window treatment schedule.

## 1.8 FIELD CONDITIONS

- A. Environmental Limitations: Do not install roller shades until construction and wet and dirty finish work in spaces, including painting, is complete and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Field Measurements: Where roller shades are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Allow clearances for operable glazed units' operation hardware throughout the entire operating range. Notify Architect of discrepancies. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide the basis-of-design product or an Architect approved equal product by one of the following:
  - 1. Draper.
  - 2. Lutron.
  - 3. MechoShade Systems, Inc.
  - 4. Nysan Shading Systems Ltd.
  - 5. Sol-R-Shade, DFB, Inc.

### 2.2 MANUALLY OPERATED SHADES WITH SINGLE ROLLERS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Draper Inc.; Flexstyle Cassette Ascend.
- B. Manually Operated Window Shades with Independent Control: Manually operated, vertical roll-up, fabric window shade with components necessary for complete installation.
  - 1. Balanced Spring mechanism with metal roller. Adjuster ring built into the spring mechanism allows for finite adjustment of the torque output of the mechanism by turning it clockwise or counterclockwise without removing shade from brackets. Requiring shade removal from brackets to set tension is not acceptable. Acrylic clip is provided for attachment to the slat. The spring shall be sized by the manufacturer to accommodate shade size and fabric weight. Idler is nylon with a steel pin. Built-in limiter prevents over extension of the spring mechanism.
    - a. Optional Operator Pole to aid in pulling down or lifting up the shade.

- C. Rollers: Corrosion-resistant steel or extruded-aluminum tubes of diameters and wall thicknesses required to accommodate operating mechanisms and weights and widths of shadebands indicated without deflection. Provide with permanently lubricated drive-end assemblies and idle-end assemblies designed to facilitate removal of shadebands for service.
  - 1. Roller Drive-End Location: Right side of interior face of shade.
  - 2. Direction of Shadeband Roll: Regular, from back (exterior face) of roller.
- D. Mounting Hardware: Brackets or endcaps, corrosion resistant and compatible with roller assembly, operating mechanism, installation accessories, and mounting location and conditions indicated.
- E. Shadebands:
  - 1. Shadeband Material: Light-filtering fabric.
  - 2. Shadeband Bottom (Hem) Bar: Steel or extruded aluminum.
    - a. Type: Enclosed in sealed pocket of shadeband material .
    - b. Color and Finish: As selected by Architect from manufacturer's full range.

## 2.3 MOTOR-OPERATED, SINGLE-ROLLER SHADES

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Draper Inc.; Flexstyle Cassette Motorized AC.
- B. Rollers: Corrosion-resistant steel or extruded-aluminum tubes of diameters and wall thicknesses required to accommodate operating mechanisms and weights and widths of shadebands indicated without deflection. Provide with permanently lubricated drive-end assemblies and idle-end assemblies designed to facilitate removal of shadebands for service.
  - 1. Roller Drive-End Location: Right side of interior face of shade.
  - 2. Direction of Shadeband Roll: Regular, from back (exterior face) of roller.
- C. Mounting Hardware: Brackets or endcaps, corrosion resistant and compatible with roller assembly, operating mechanism, installation accessories, and mounting location and conditions indicated.
- D. Shadebands:
  - 1. Shadeband Material: Light-filtering fabric.
  - 2. Shadeband Bottom (Hem) Bar: Steel or extruded aluminum.
    - a. Type: Enclosed in sealed pocket of shadeband material .
    - b. Color and Finish: As selected by Architect from manufacturer's full range.

## 2.4 INSTALLATION ACCESSORIES

- A. Recessed Shade Pocket: Rectangular, extruded-aluminum enclosure designed for recessed ceiling installation; with front, top, and back formed as one piece, end plates, and removable bottom closure panel.
  - 1. Height: Manufacturer's standard height required to enclose roller and shadeband assembly when shade is fully open, but not less than 6 inches .
  - 2. Provide pocket with lip at lower edge to support acoustical ceiling panel.

- B. Closure Panel and Wall Clip: Removable aluminum panel designed for installation at bottom of site-constructed ceiling recess or pocket and for snap-in attachment to wall clip without fasteners.
  - 1. Closure-Panel Width: As indicated on Drawings.
- C. Side Channels: With light seals and designed to eliminate light gaps at sides of shades as shades are drawn down. Provide side channels with shadeband guides or other means of aligning shadebands with channels at tops.
- D. Bottom (Sill) Channel or Angle: With light seals and designed to eliminate light gaps at bottoms of shades when shades are closed.
- E. Installation Accessories Color and Finish: As selected from manufacturer's full range.

## 2.5 SHADEBAND MATERIALS

- A. Shadeband Material Flame-Resistance Rating: Comply with NFPA 701. Testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
- B. Light-Filtering Fabric: Woven fabric, stain and fade resistant.
  - 1. Source: Roller shade manufacturer.
  - 2. Type: PVC-coated fiberglass.
  - 3. Weave: Mesh.
  - 4. Roll Width: As scheduled on Drawings.
  - 5. Openness Factor: 3 percent.
  - 6. Color: As selected by Architect from manufacturer's full range.

## 2.6 ROLLER SHADE FABRICATION

- A. Product Safety Standard: Fabricate roller shades to comply with WCMA A 100.1, including requirements for flexible, chain-loop devices; lead content of components; and warning labels.
- B. Unit Sizes: Fabricate units in sizes to fill window and other openings as follows, measured at 74 deg F :
  - 1. Vertical Shades: Where width-to-length ratio of shadeband is equal to or greater than 1:4, provide battens and seams at uniform spacings along shadeband length to ensure shadeband tracking and alignment through its full range of movement without distortion of the material.

## 2.7 MOTORIZED ROLLER SHADE OPERATORS

- A. General: Provide factory-assembled motorized shade operation systems designed for lifting shades of type, size, weight, construction, use, and operation frequency indicated. Provide operation systems of size and capacity and with features, characteristics, and accessories suitable for Project conditions and recommended by shade manufacturer, complete with electric motors and factory-prewired motor controls, remote-control stations, remote-control devices, power disconnect switches, enclosures protecting controls and all operating parts, and accessories required for reliable operation without malfunction. Include wiring from motor controls to motors. Coordinate operator wiring requirements and electrical characteristics with the building electrical system.

- B. Comply with NFPA 70.
- C. Control Equipment: Comply with NEMA ICS 1, NEMA ICS 2, and NEMA ICS 6 with NFPA 70 Class 2 control circuit, maximum 24-V ac or dc.
- D. Electric Motors: UL-approved or -recognized, asynchronous, totally enclosed, insulated, capacitor-start motors, complying with NEMA MG 1, with thermal overload protection, brake, permanently lubricated bearings, and limit switches; sized by shade manufacturer to start and operate size and weight of shade considering service factor or considering Project's service conditions without exceeding nameplate ratings.
  - 1. Service Factor: According to NEMA MG 1, unless otherwise indicated.
  - 2. Motor Mounting: Within manufacturer's standard roller enclosure.
- E. Position of Motor and Electrical Connection: Right side of roller, as determined by hand of user facing shade from inside, unless otherwise indicated on Drawings.
- F. Provide control stations with configuration as indicated or as required to control the loads as indicated.
- G. Wired Control Stations:
  - 1. General Requirements:
    - a. Class 2 (low voltage).
    - b. UL listed.
    - c. Control stations can be replaced without reprogramming.
    - d. Finish:
  - 2. Product(s):
    - a. Allows for easy reprogramming without replacing unit.
    - b. Replacement of units does not require reprogramming.
- H. Limit Switches: Adjustable switches, interlocked with motor controls and set to automatically stop shade at fully raised and fully lowered positions.
- I. Operating Function: Stop and hold shade at three predetermined positions including open, closed, and one user-programmed position.
- J. Operating Features: Include the following:
  - 1. Group switching with integrated switch control; single face plate for multiple switch cut-outs.
  - 2. Back-up gear and crank operator for manual operation during power failures with detachable handle, length required to make operation convenient from floor level.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, operational clearances, locations of connections to building electrical system, and other conditions affecting performance of the Work.

### 3.2 ROLLER SHADE INSTALLATION

- A. Install roller shades level, plumb, and aligned with adjacent units according to manufacturer's written instructions.
  - 1. Opaque Shadebands: Located so shadeband is not closer than 2 inches to interior face of glass. Allow clearances for window operation hardware.
- B. Electrical Connections: Connect motor-operated roller shades to building electrical system.
- C. Roller Shade Locations: As indicated on Drawings.

### 3.3 ADJUSTING

- A. Adjust and balance roller shades to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.

### 3.4 CLEANING AND PROTECTION

- A. Clean roller shade surfaces after installation, according to manufacturer's written instructions.
- B. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure that roller shades are without damage or deterioration at time of Substantial Completion.
- C. Replace damaged roller shades that cannot be repaired, in a manner approved by Architect, before time of Substantial Completion.

### 3.5 DEMONSTRATION

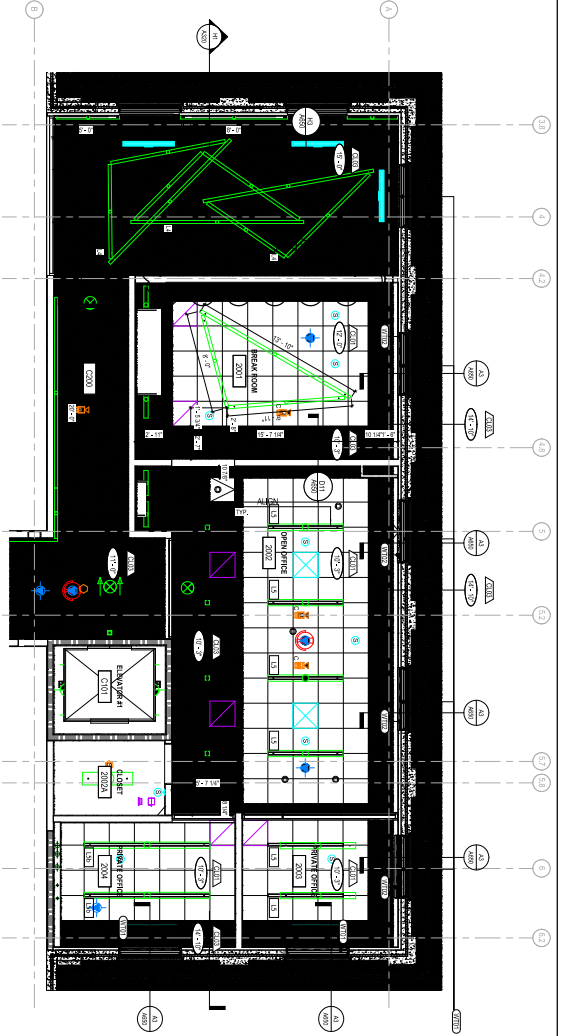
- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain roller window shades.

END OF SECTION 122413

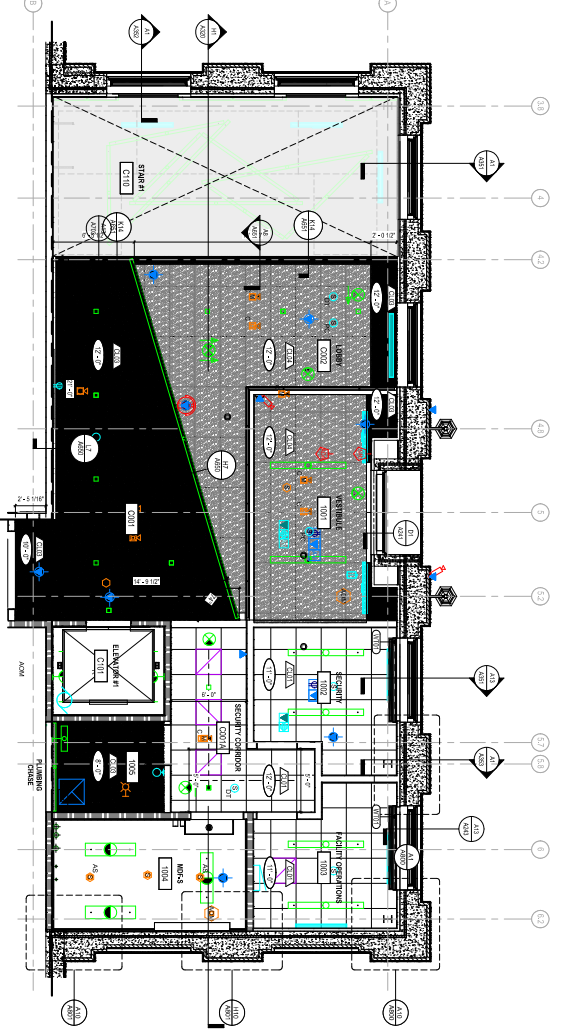


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AND DATA CENTER

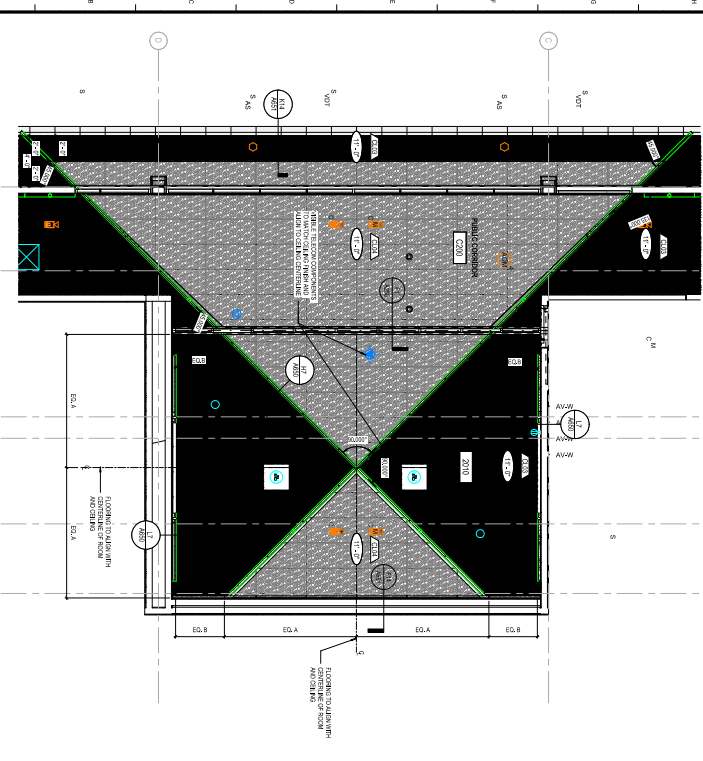
THE UNIVERSITY OF ALABAMA  
TUSCALOOSA, ALABAMA



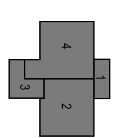
02 OFFICE LEVEL 02 - REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



01 LOBBY LEVEL 01 - REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



02 CONFERENCE LEVEL 02 - REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



11-4-2020  
CONFIRMING SET  
DAVIS GENSLER  
4014



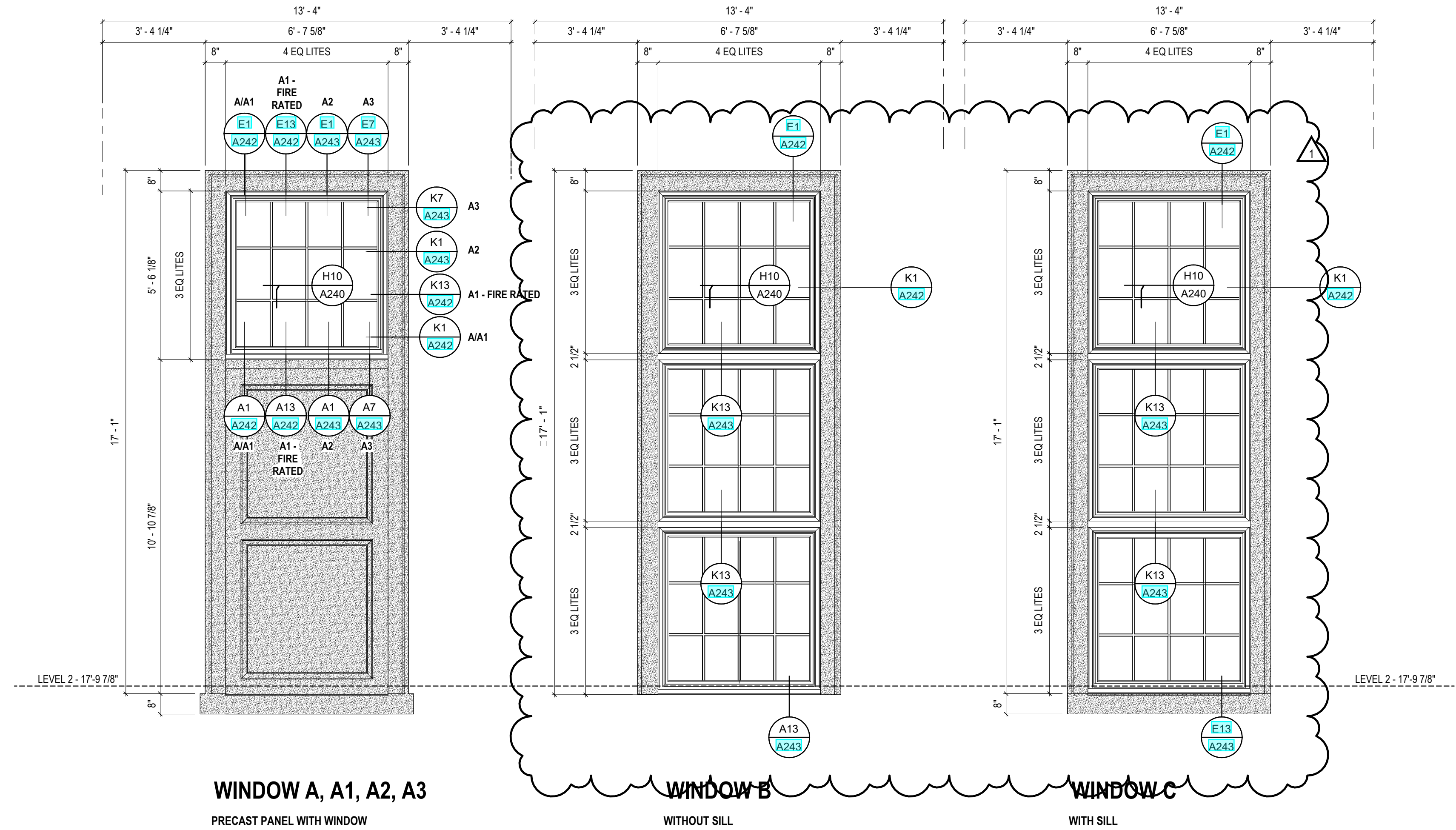


WINDOW SCHEDULES

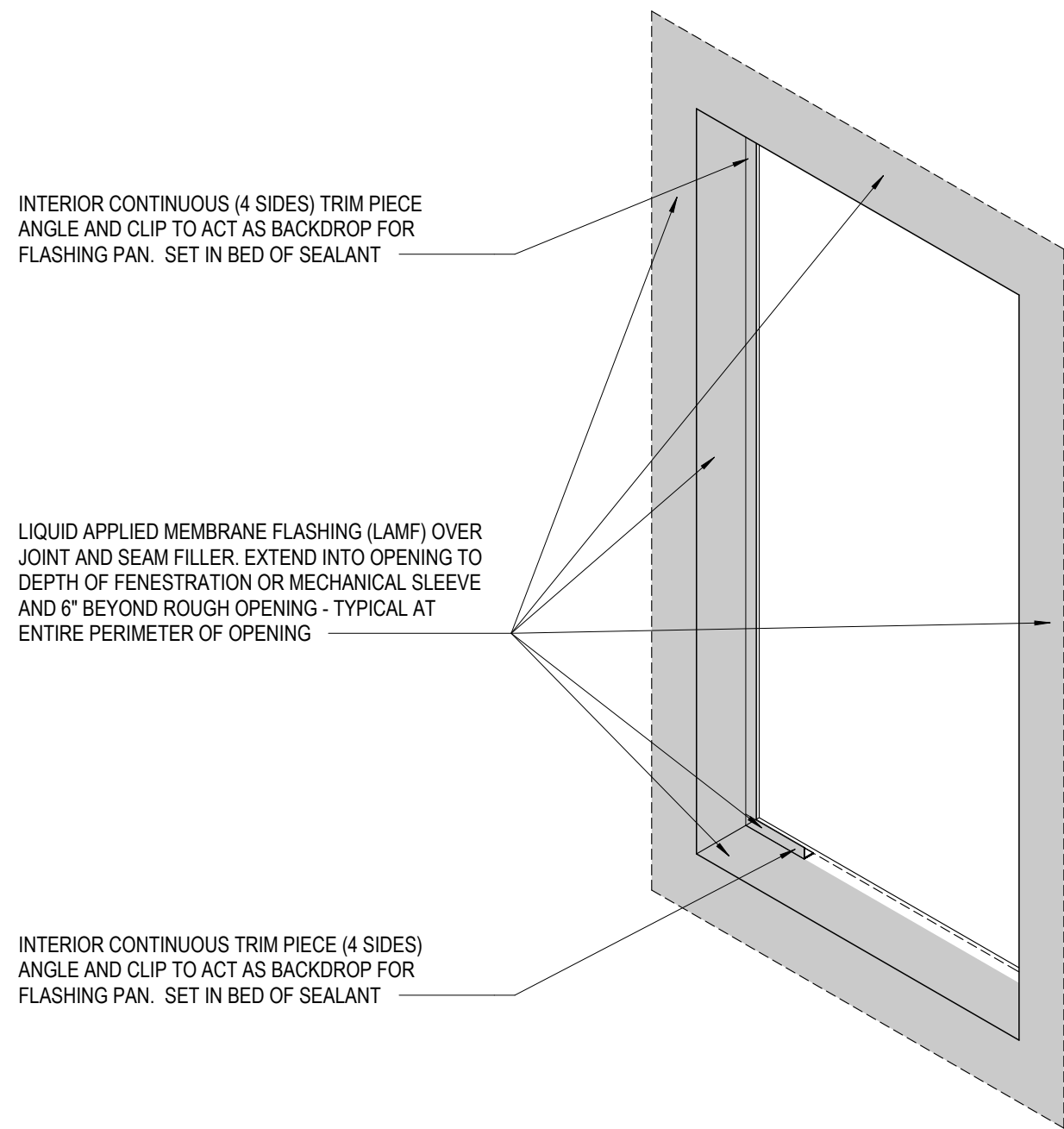
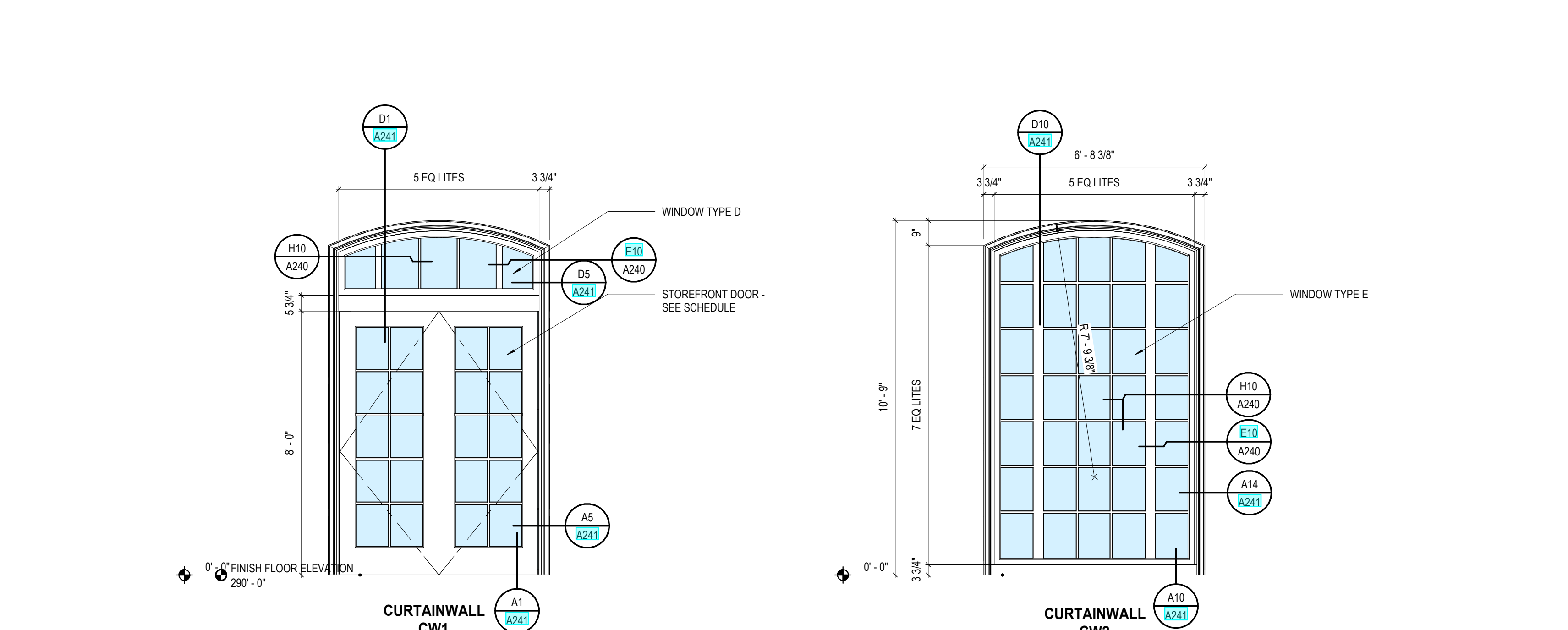
WINDOW SCHEDULE - BASE BID					
ELEVATION	GLAZING	COUNT	HEAD DETAIL	SILL DETAIL	JAMB DETAIL
A	1" INSULATING	19	E1/A242	A1/A242	K1/A242
A2	INSULATING SPANDREL	13	E1/A243	A1/A243	K1/A243
A3	INSULATING SPANDREL	6	E7/A243	A7/A243	K7/A243
B	1" INSULATING	9	E1/A242	A13/A243	K1/A242
C	1" INSULATING	9	E1/A242	E13/A243	K1/A242
D	1" INSULATING	1	D1/A241 & D10/A241	D11/241 & D10/A241	D5/A241 & A14/A241
E	1" INSULATING	6	D11/241 & D10/A241	A1/A241 & A10/A241	A5/A241 & A14/A241

WINDOW SCHEDULE - FULL BUILD OUT					
ELEVATION	GLAZING	COUNT	HEAD DETAIL	SILL DETAIL	JAMB DETAIL
A	1" INSULATING	19	E1/A242	A1/A242	K1/A242
A2	INSULATING SPANDREL	13	E1/A243	A1/A243	K1/A243
A3	INSULATING SPANDREL	6	E7/A243	A7/A243	K7/A243
B	1" INSULATING	9	E1/A242	A13/A243	K1/A242
C	1" INSULATING	9	E1/A242	E13/A243	K1/A242
D	1" INSULATING	1	D1/A241 & D10/A241	D11/241 & D10/A241	D5/A241 & A14/A241
E	1" INSULATING	6	D11/241 & D10/A241	A1/A241 & A10/A241	A5/A241 & A14/A241

WINDOW ELEVATIONS

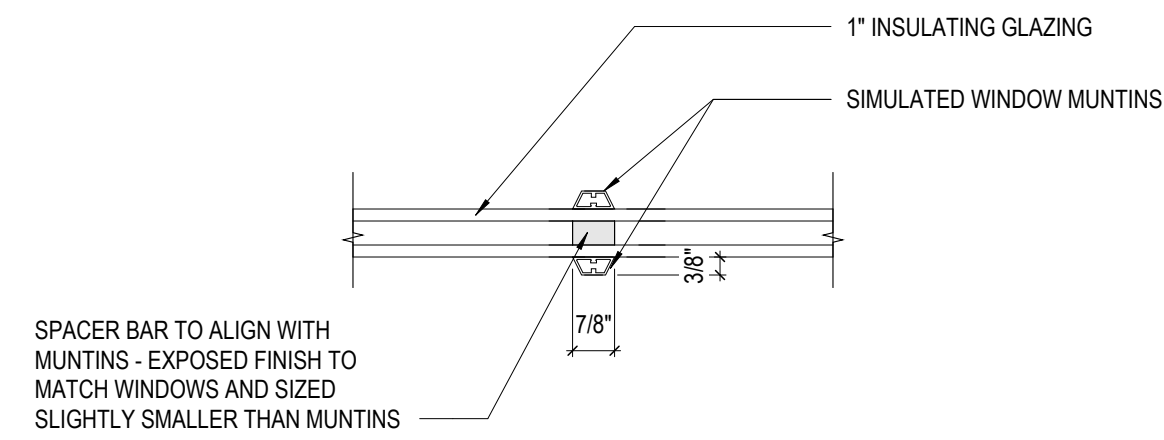


EXTERIOR GLAZING ELEVATIONS



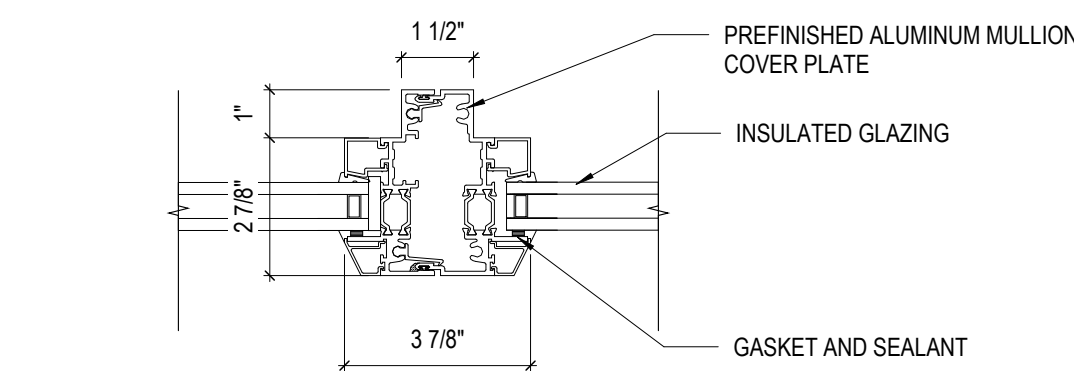
K10 TYPICAL EXTERIOR OPENING PERIMETER FLASHING

SCALE: 3/4" = 1'-0"



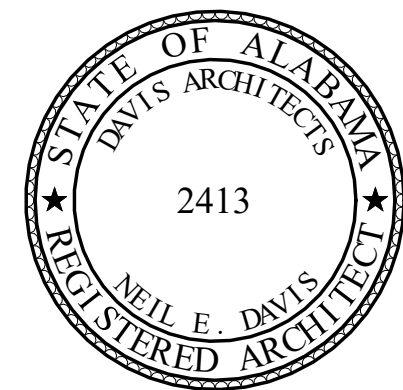
H10 MUNTIN DETAIL

SCALE: 3" = 1'-0"



E10 DIVIDED LITE MUNTIN DETAIL

SCALE: 3" = 1'-0"



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DAVIS Gensler

OWNER  
THE UNIVERSITY OF ALABAMA  
1206 14TH STREET / BOX 87023  
TUSCALOOSA, ALABAMA 35487  
205.348.3573  
ATTN: JOSHUA BOLLINGER

ARCHITECT OF RECORD  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: SKYLAR HOWARD / COURTNEY PITTMAN

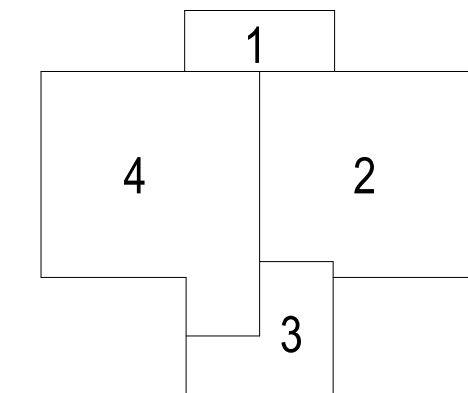
DATA CENTER ARCHITECT  
GENSLER  
989 PEACHTREE STREET NORTH EAST, SUITE 1400  
ATLANTA, GA 30309  
404-230-7712  
ATTN: NATHANIAL PALL / SHAWN REICHAUT

MECHANICAL/ELECTRICAL/PLUMBING/TECHNOLOGY ENGINEER  
AFFILIATED ENGINEERS, INC.  
1414 RALEIGH ROAD, SUITE 305  
CHAPLE HILL, NC 27517  
919-609-6469  
ATTN: BART HOGGE

CIVIL ENGINEER  
DUNCAN COKER ASSOCIATES, P.C.  
302 MERCHANTS WALK, SUITE 250  
TUSCALOOSA, AL 35406  
205-561-0808  
ATTN: JASON COKER / JC WILHITE

STRUCTURAL ENGINEER  
MBA ENGINEERS, INC.  
300 20TH STREET NORTH, SUITE 100  
BIRMINGHAM, AL 35203  
205-909-6040  
ATTN: ANDREW MARLIN

LANDSCAPE ARCHITECT  
JOHNSON AND COMPANY  
2413 2ND AVENUE SOUTH  
BIRMINGHAM, AL 35233  
205-324-4447  
ATTN: WILLIAM JOHNSON



KEY PLAN

REV 1 DATE 10/18/2024 DESCRIPTION ASD 1

DATE 10-11-2024  
PAGE CONFORMING SET  
ISSUED FOR ASI 1  
DESIGNED BY DAVIS & GENSLER PROJECT NO. 4014

SHEET TITLE  
EXTERIOR GLAZING & WINDOW SCHEDULE & ELEVATIONS

DRAWING NO.

A240

NOTE: SHEET CONTAINS COLOR ELEMENTS AND MUST BE PRINTED IN COLOR. ARCHITECT IS NOT RESPONSIBLE FOR ERRORS MADE DUE TO IMPROPER PRINTING