

Addendum 01

DOCUMENT 00 9100

DATE: January 20, 2026

PROJECT: DeKalb County Central United School District
Window and Door Replacement
3326 County Road 427, Waterloo, Indiana 46793
2424 County Road 427, Waterloo, Indiana 46793
2410 County Road 10, Ashley, Indiana 46705

PROJECT #: 25022.00

OWNER: DeKalb County Central United School District
Contact: Matt Vince
3326 County Road 427
Waterloo, Indiana 46793

ARCHITECT: Garmann Miller
38 South Lincoln Drive
P.O. Box 71
Minster, Ohio 45865

TO: Prospective Bidders

This addendum form is a part of the Contract Documents and modifies the Construction Documents dated January 06, 2026, with amendments and additions noted below.

Acknowledge receipt of this Addendum on the Bid Form. Failure to do so may disqualify the Bidder.

This addendum consists of 2 pages, 8 specification sections, 5 re-issued drawing sheets, and 01 exhibit.

FOR INFORMATION ONLY

1. Pre-bid meeting minutes and the pre-bid meeting sign-in sheet are attached.



CHANGES TO THE PROJECT MANUAL

1. Section 00 41 13 Bid Form
 - a. Refer to attached section
2. Section 00 73 00 Supplementary Conditions
 - a. Added spec section
3. Section 00 73 73 Security Requirements
 - a. Added spec section
4. Section 08 16 14 Fiberglass Doors
 - a. Removed other manufacturers making Special-Lite the sole source
5. Section 08 33 23 Overhead Coiling Doors
 - a. Refer to attached section
6. Section 08 71 00 Door Hardware
 - a. Added the Central Office hardware. Sets #009 and #010
7. Section 10 14 20 Vinyl Signage
 - a. Added spec section
8. Section 12 24 00 Window Shades
 - a. Added spec section

CHANGES TO THE DRAWINGS

1. Drawing Sheet A0.1 General Notes, Abbreviations and Symbols
 - a. Reference sheet for changes
2. Drawings Sheet CO-A1.1 First Floor Plan
 - a. Added hardware sets and updated the Finish Material Schedule
3. Drawing Sheet HS-A6.1 Door Schedule, Window & Storefront Elevations, & Details
 - a. Refer to drawings for changes
4. Drawing Sheet MS-A1.1
 - a. Refer to drawing sheet for changes
5. Drawing Sheet CM-A1.4 First Floor Demolition and Floor Plan-Unit D Plan
 - a. Refer to drawing for changes

ATTACHMENTS

The following attachments are included and are part of this addendum:

Pre-bid meeting minutes and the pre-bid meeting sign-in sheet.

Specification Sections: 00 41 13, 00 73 00, 00 73 73, 08 16 14, 08 33 23, 08 71 00, 10 14 20 and 12 24 00.

Drawing Sheets: A0.1, CO-A1.1, HS-A6.1, MS-A1.1 and CM-A1.4

Exhibit: Dekalb Pre-Bid RFIs

END OF ADDENDUM





Pre-bid meeting

Project name	DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT WINDOW AND DOOR REPLACEMENT- REBID	GM project no.	25022.00
Meeting date	01/16/2026	Meeting location	Waterloo, Indiana

Outline- Comments in Red.

1. Attendees: Sign-in sheet
2. Introductions
3. Project overview
 - a. Base Bid Packages
 - i. General Construction
 1. High School: 3424 County Road 427, Waterloo, IN 46793:
 - a. Scope includes, but is not limited to, replacement of storefronts and doors.
 2. Middle School: 3338 County Road 427, Waterloo, IN 46793:
 - a. Scope includes, but is not limited to, replacement of storefronts and doors, both interior and exterior.
 3. Country Meadows: 2410 County Road 10, Ashley, IN 46705:
 - a. Scope includes, but is not limited to, replacement of exterior hollow metal frames and doors.
 4. Central Office: 3326 County Road 427, Waterloo, IN 46793:
 - a. Scope includes, but is not limited to, replacement of exterior hollow metal frames and doors.
 - ii. Electrical Work
 1. Disconnect and reconnect power, security, access control, and fire alarm as required for the installation of new storefronts and doors.
 2. Qty and locations are called out in the door hardware sets, where listed for existing equipment to be disconnected and reconnected.
 - iii. Technology
 1. Disconnect and reconnect cabling as required for the installation of new storefront systems and doors across all building sites.
 2. Qty and locations are called out in the door hardware sets, where listed for existing equipment to be disconnected and reconnected.



4. Bidding
 - a. Bid Opening Date: **Friday, January 23rd, 2026, at 10:00 am.**
 - b. Location: **DeKalb County Central United School District Central Office 3326 County Road 427, Waterloo, Indiana 46793**
 - c. Use the bid form provided and write the company's name at the bottom.

5. Bid categories
 - a. Lump Sum General Contract
 - b. General Contractor is responsible for securing necessary subcontractors.
 - c. Proposals shall be for the furnishing of materials and the performance of labor necessary for all project locations and scopes of work.

6. Alternates
 - i. Alternate No. 01 - High School interior storefronts:**
 1. Alternate Bid: Description: Demo existing interior storefronts and doors as shown on drawings. Provide new storefront and doors as shown on drawings.
 2. Base Bid Item: Interior storefronts and doors are to remain.

 - ii. Alternate No. 02 - High School Overhead Door (OHD) and Coiling Doors (CD):**
 1. Alternate Bid: Demo existing OHD and CD as shown on drawings. Provide new OHD and CD as shown on drawings
 2. Base Bid: Existing OHD and CD are to remain.

 - iii. Alternate No. 03 - Middle School Faculty Dining Interior Storefronts:**
 1. Alternate Bid: Demo existing interior faculty dining storefronts. Provide new storefronts and blinds.
 - a. **Provide spec for the blind.**
 2. Base Bid: Existing storefronts and blinds to remain.

7. Contingency amounts to be included in the bid
 - a. Contingency Allowance: Single Prime Contract - A; Include the stipulated sum/price of \$37,500.00 for use upon Owner's instructions across all 4 locations of work.
 - b. This contingency is for miscellaneous opening repairs as required for demolition and prep for new installation, and not for alternates.

8. Contracts will be administered by Garmann Miller
 - a. All questions and correspondence to go through Garmann Miller
 - b. All RFIs to go through Garmann Miller
 - c. Pay applications to go to Garmann Miller
 - d. Garmann Miller will schedule a preconstruction meeting with the contractors after the notice of award
 - i. Construction may not begin without receipt of an approved Declaration of Insurance from each contractor
 - ii. Progress Meetings during construction: Bi-weekly

9. Schedule
 - a. Tentative award date / Notice to Proceed – January 2026
 - b. Start of construction – **February 2026**

- i. Completion date – **October 31st, 2026**
 - ii. Liquidated Damages
 1. ~~Contract A: \$2,000.00 per day.~~ **Revised in addendum 1 to a lesser amount attached to remaining work. See new schedule.**
 - a. If general progress is being made toward closing out the project, the district is willing to work with the contractor as long as any lingering items are identified in advance on the desired completion date.
 1. Specifications?
 - a. Supplemental Conditions missing from the specs? **Supplied in addendum 01**
 - b. Communication is key for discussion and handing over the project areas back to the district.
 1. Size of Vinyl and color. Right in the center. 3mm safety film up to 8'.
10. General conditions
 - a. General Contractor
 - i. Responsible for the construction schedule and general supervision
 - ii. Submit preliminary schedule 10 days after notice to proceed
 - iii. Responsible for scheduling and administering job meetings; preparing portions of the agenda, responsible for meeting minutes, and distributing copies
 - b. Temporary telecommunications services as required.
 - c. Temporary Controls: Barriers and enclosures.
 - d. Security requirements.
 - e. Vehicular access and parking.
 - f. Waste removal facilities and services.
 - g. Field offices.
 - h. Removal of utilities, facilities, and controls
 - i. Controlled storage of bulk procured material outside of the school buildings as needed
 - j. Staging to be coordinated with the school. Matt.
 - k. Existing power to be used on site.
 - l. Some existing door hardware is to be collected by the school for attic stock and will be removed from the door leaves by the owners. Example: lock cores, and new hardware that the school has recently installed. Will be discussed with the awarded party.
 - m. Background checks required. Badges will be provided, and Matt will provide access to the school. Fobs, security, and keys will be discussed with the award party, but no daily check in school will be required.
11. Substitution requests.
 - a. Substitutions to be submitted per requirements on project manual section 01 60 00 – 3, titled SUBSTITUTION LIMITATIONS.
 - b. Provide all testing and performance data as specified in the manual.
 - c. The design team and school reserve the right to reject any substitution.
 - i.
12. Addenda Schedule
 - a. Addendum 01 – 01/19/2025
 - i. Covering meeting minutes
 - ii. RFIs received to date
 - iii. Please have any additional questions emailed to our team today if you like them to be

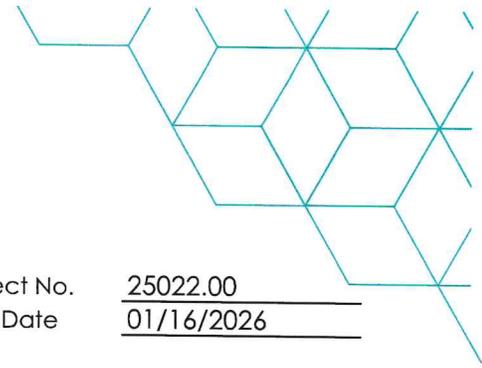
covered in the addendum.

13. Correspondence

- a. Correspondence to run through the Garmann Miller (emails to include all members of the GM team listed below):
 - i. Architectural/ Project Manager – **Derek Luth (dluth@creategm.com)**
 - ii. Architectural/ General – **Zane Wicker (zwicker@creategm.com)**
 - iii. Construction Administrator – **Tim Hines (thines@creategm.com)**

14. Site walk comments:

- a. Vinyl Siding throughout. Clarifying counts.
- b. Middle School
 - i. Confirm if frames are to remain at serving/dish return?
 - ii. Blinds specification needed on base bid office locations.
 - iii. Side glazing at the office and vestibule. Discrepancy with the plan and door elevations. Which is correct?
 - iv. Interior floor finished patching & repair.
 - v. 25k Sim note (may reference HS but was asked in the middle school)
- c. High School
 - i. Door two coiling doors are rated, and one isn't. Would **smoke seals be needed, should this be tied into the local smoke alarm?** Door 27 of the high school. Door 27 is in a 4hr wall, door 12 is not in a fire-rated wall.
 - ii. Door 1 at the middle school. Showing differences in the plans and elevations shown door schedule.
 - iii. Interior door numbers at the high school.
 - iv. Confirm coiling doors are rated or not
 - v. Confirm fire rating and spray at the overhead door. (recommend re-use of existing vertical structure.)
 - vi. Thresholds for flooring and flooring repair- included in the demo and new base bid.



Sign-in Sheet

Project Name DCCUSD- Window & Door Replacement GM Project No. 25022.00
 Meeting Location 3326 Co Rd 427, Waterloo, IN 46793 Meeting Date 01/16/2026

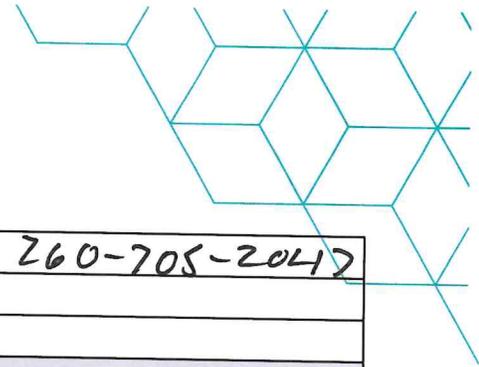
Purpose Pre-Bid Meeting

Attendees

<input checked="" type="checkbox"/>	Name	Derek Luth	Phone 614-601-2509
	Business/Title	Garmann Miller / Project Manager	
	Email	dluth@creategm.com	
<input checked="" type="checkbox"/>	Name	Zane Wicker	Phone 419-628-4240
	Business/Title	Garmann Miller / Project Architect	
	Email	zwicker@creategm.com	
<input checked="" type="checkbox"/>	Name	Matt Vince	Phone 260-413-2608
	Business/Title	Facility Director - DeKalb Central USD	
	Email	mvince@dekalbcentral.net	
<input type="checkbox"/>	Name	TERRY FACKLER	Phone 260 504 - 6568
	Business/Title	FM	
	Email	Terry@JTContract.IIc.com	
<input type="checkbox"/>	Name	GEORGE MOUCHAHAM	Phone (260) 927-8516
	Business/Title	FCI Const.	
	Email	gmouchaham@fci.construction	
<input type="checkbox"/>	Name	Ghana Baker	Phone 260-460-4705
	Business/Title	Industrial Door of N.I.	
	Email	gbaker@industrialdoorri.com	
<input type="checkbox"/>	Name	BLER PETERSON	Phone (260) 433-8946
	Business/Title	CIH FIELD SUPER.	
	Email	SHROYER1@CIH-INC.COM	
<input type="checkbox"/>	Name	Paul Wybo	Phone 260-402-1428
	Business/Title	ACB - Project manager	
	Email	pwybo@acbgeneralcontractor.com	

@ creategm.com

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<input type="checkbox"/>	Name	Jeremy Ellison	Phone	260-705-2047
	Business/Title	ACB - Superintendent		
	Email	jellison4135@gmail.com		
<input type="checkbox"/>	Name	Jamie Fogle	Phone	260-665-1914
	Business/Title	NEF Glass		
	Email	jamie.f@nefglass.com		
<input type="checkbox"/>	Name	Andy Hall	Phone	765-620-7020
	Business/Title	JGBOWERS		
	Email	ahall@jgbowers.com		
<input type="checkbox"/>	Name	Phil Lytle	Phone	260-483-5600
	Business/Title	PLW Door		
	Email	pl@fertwayne.com		
<input type="checkbox"/>	Name	Brandon Gater	Phone	260 490 7449
	Business/Title	Weigand Construction		
	Email	bgater@weigandconstruction.com		
<input type="checkbox"/>	Name	DAN EADS	Phone	260-568-1034
	Business/Title	Specialty Entrance Inc		
	Email	DAN@SPECIALTYENTRANCE.COM		
<input type="checkbox"/>	Name	McKenzie Perez	Phone	(260) 423 3577
	Business/Title	Hamilton Hunter Builders		
	Email	mperez@hamiltonhunterbuilders.com		
<input type="checkbox"/>	Name		Phone	
	Business/Title			
	Email			
<input type="checkbox"/>	Name		Phone	
	Business/Title			
	Email			
<input type="checkbox"/>	Name		Phone	
	Business/Title			
	Email			

@ creategm.com

Minster, OH | Columbus, OH | Indianapolis, IN | Fort Wayne, IN

**SECTION 00 41 13 - BID FORM
THE PROJECT AND THE PARTIES**

TO:

DeKalb CCUSD
3326 County Road 427
Waterloo, Indiana46793

FOR:

Project: 25022.00 - DeKalb CCUSD Windows and Doors
Project Number: 25022.00
3326 County Road 427
Waterloo, Indiana46793

DATE: _____ (Bidder to enter date)

SUBMITTED BY:

Bidder's Full Name: _____

Address: _____

City, State, Zip: _____

Telephone: _____

Fax No.: _____

E-mail: _____

OFFER

Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by Garmann/Miller & Associates Inc. for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the Sum of:

Item 1 - High School, General Construction - Base Bid:

_____ dollars

~~All Cash and Contingency Allowances described in Section 01 21 00 are included in the Bid Sum.~~

Item 1a - Alternate 01 - High School Interior Storefronts:

If Alternate 01 is accepted, add:

_____ dollars

Item 1b - Alternate 02 - High School Overhead Door (OHD) & Coiling Doors (CD):
If Alternate 02 is accepted, add:

_____ dollars

Item 2 - Middle School, General Construction - Base Bid:

_____ dollars

~~All Cash and Contingency Allowances described in Section 01 21 00 are included in the Bid Sum.~~

Item 2a - Alternate 03 - Middle School Faculty Dining Interior Storefronts:
If Alternate 3 is accepted, add:

_____ dollars

Item 3 - Country Meadows Elementary, General Construction - Base Bid:

_____ dollars

~~All Cash and Contingency Allowances described in Section 01 21 00 are included in the Bid Sum.~~

Item 4 - Central Offices, General Construction - Base Bid:

_____ dollars

~~All Cash and Contingency Allowances described in Section 01 21 00 are included in the Bid Sum.~~

Item 5 - ~~Combined Bid~~ Combined Base Bid Total:

All bidders required to give a combined number for all buildings.
Combined Base Bid Amount:

_____ dollars

All Cash and Contingency Allowances described in Section 01 21 00 are included in the Bid Sum.

We have included the Bid Bond or security deposit as required by the Advertisement, Notice to Bidders, Instructions to Bidders.

This is a Tax Exempt Project.

Builders Risk Insurance is to be furnished by the Owner.

ACCEPTANCE

This offer shall be open to acceptance and is irrevocable for sixty days from the bid closing date.

If this bid is accepted by Owner within the time period stated above, we will:

Execute the Agreement within ten (10) days of receipt of Notice of Award.

Commence work within ten (10) days after written Notice to Proceed of this bid.

If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required Bond(s), the security deposit shall be forfeited as damages to Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

CONTRACT TIME

Owners desired start date: February, 2026

Owners desired completion date: **October 31st, 2026**

If this Bid is accepted, we will:

Complete the Work by **October, 31st, 2026** or at an earlier date of

_____ (Bidder to enter completion date or time frame prior to completion date listed.)

ADDENDA

The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.

- Addendum # _____ Dated _____.

BID FORM SUPPLEMENTS

- Bid Bond
- Noncollusion Affidavit
- Contractor's Affidavit

BID FORM SIGNATURE(S)

(Bidder - print the full name of your firm)
was hereunto affixed in the presence of:

(Authorized signing officer)

(Authorized signing officer, Title)

SEALED SUBMISSION:

Bid is to be submitted in Duplicate.

Bid is to be submitted in a sealed envelope containing bid and bid form supplements and addressed as follows:

Prime Contract Bid for:
DeKalb CCUSD
3326 County Road 427
Waterloo, Indiana 46793

END OF BID FORM

SECTION 00 73 00 - SUPPLEMENTARY CONDITIONS

MODIFICATIONS TO AIA

These Supplementary Conditions amend or supplement the General conditions of the Contract for Construction (AIA Document A201, 2017 edition) and other provisions of the Contract Documents as indicated below. All provisions which are not so amended or supplemental remain in full force and effect.

The terms used in these Supplementary Conditions which are defined in the General Conditions of the Contract of Construction (AIA Document A201, 2017 Edition) have the meanings assigned to them in the General Conditions.

ARTICLE 1 - GENERAL PROVISIONS

Paragraph 1.1 Basic Definitions: Add the following paragraphs

1.1.9 Furnish: The term 'furnish' shall mean to purchase and deliver product to the site ready for installation.

1.1.10 Install: The term 'install' shall mean to take furnished product and assemble, erect, secure in place, connect in operation as applicable.

1.1.11 Provide: The term 'provide' shall mean to furnish and install.

Paragraph 1.2 Correlation and Intent of the Contract Documents:

Add the following paragraph 1.2.1.1

1.2.1.1 In the event of inconsistencies within or between the Contract Documents, the Contractor shall provide the better quality or greater quantity of Work and shall comply with the stricter requirements.

ARTICLE 2 - OWNER

Add paragraph 2.1.3

2.1.3 The Owner shall mean:

DeKalb CCUSD
3326 County Road 427
Waterloo, Indiana 46793

Paragraph 2.3.4: Modify to read

2.3.4 The owner shall not be responsible for furnishing surveys or other information as to the physical characteristics, legal limitations, or utility locations for the Project site, except as included in the Contract Documents. The Contractor shall confirm the location of each utility.

ARTICLE 3 - CONTRACTOR

Article 3.2 Review of Contract Documents and Field Conditions by Contractor.

Add the following paragraph 3.2.2.1

3.2.2.1 If the contractor finds any perceived conflict, error, omission or discrepancy on, or between the drawings, specifications, or any of the contract documents, the contractors, before proceeding with the work, shall submit a request to the architect for an interpretation or clarification, the contractor shall be responsible for the prompt delivery of such request.

The architect shall respond to the requests for interpretation of the contract documents within three (3) business days.

3.2.2.2 Any interpretation of the Contract Documents made by any party other than the architect or in any manner other than writing, shall not be binding and the contractor shall not rely upon any such interpretation.

Article 3.4 Labor and Material

Paragraph 3.4.2 add the following at the end of the paragraph:

See Substitution Procedures in Section 01 60 00 - Product Requirements for additional requirements.

Add Paragraph 3.4.4

Article 3.5 Warranty

Add the following to paragraph 3.5.1

The contractor shall warranty and guarantee that all work is in conformity with the Contract Documents and free from defects in workmanship, materials and equipment for a period of one (1) year in addition to other warranties and guarantees specified in the Contract Documents. The performance bond will remain in effect during the warranty period

The warranty and guarantee time period shall commence on the date that the Certificate of Substantial Completion is issued by the architect unless otherwise provided in writing.

The warranty and guarantee provided in this article shall be in addition to and not limitation of any other warranty and guarantee or remedy provided by law or by the Contract Documents.

Should defects in the work become apparent within the warranty and guarantee period, the owner shall promptly notify the contractor in writing and provide a copy of the notice to the architect. Within ten (10) days of receipt of the notice, the contractor shall visit the project in the company of the owner to determine the extent of the defects and shall promptly repair or replace the defective work, including adjacent work damaged as a result of such defects and as a result of remedying the defects whether or not such adjacent work was originally provided by the contractor. The contractor shall be responsible for the cost of temporary materials or equipment required during the repair or replacement of the defective work.

If the defective work is considered by the Owner to be an emergency, the owner may require the contractor to visit the project within one (1) day of receipt of the notice.

Work which is repaired or replaced by the contractor shall be inspected and accepted by the Owner. The repaired and replaced work shall be guaranteed by the contractor for one (1) year from the date of acceptance by the owner.

Article 3.11 Documents and Samples at the Site

Add the following paragraph 3.11.1

3.11.1 The Contractor shall maintain readily accessible to the authorities having jurisdiction, the Architect, and the Owner drawings, project manual and related documents approved by appropriate building departments and authorities having jurisdiction.

Article 3.12 Shop Drawings, Product Data and Samples

Add the following paragraph 3.12.11

3.12.11 Refer to Section 01 30 00 Administrative Requirements for additional requirements.

Article 3.13 Use of the Site

Add the following paragraphs

3.13.1 Damage to road, features, or the grounds, resulting from hauling, storage of materials, or other activities connected with the work shall be repaired by the contractor at his expense to the satisfaction of the Architect.

3.13.2 The contractor and any entity for whom the contractor is responsible shall not erect any sign at the project site without the consent of the owner.

Article 3.16 Access to Work

Add the following to paragraph 3.16

The contractor shall provide proper facilities for such access and observation.

Add the following paragraph 3.16.1

3.16.1 The Contractor shall provide access to the work in preparation and progress as required for special inspection required by the building department or authority having jurisdiction.

ARTICLE 4 - ARCHITECT

Article 4.1.1

Add the following paragraph 4.1.1.1

4.1.1.1 Architect shall mean: Garmann/Miller and Associates, Inc., 38 South Lincoln Drive, Minster, Ohio 45865

ARTICLE 8 - TIME

Add the following to Article 8.4

8.4.Liquidated Damages

8.4.1 Upon Failure to have all work substantially completed within the time period stated, or failure to have the applicable portion of the work substantially complete upon any milestone date, the Owner shall be entitled to retain or recover from the Contractor, as Liquidated Damages, and not as a penalty, the applicable amount set forth in the following table for each and every calendar day thereafter until Contract Completion, unless an extension of time is granted in accordance with the Contract Documents.

Contract Amount	Dollars per Day
less than \$50,000.00	\$150.00
More than \$50,000.00 to \$150,000.00	\$250.00
More than \$150,000.00 to \$500,000.00	\$500.00
More than \$500,000.00 to \$1,500,000.00	\$750.00

8.4.2 The amount of Liquidated Damages is agreed upon by and between the Contractor and the Owner because of the impracticality and extreme difficulty of ascertaining the actual amount of damage the Owner would sustain.

ARTICLE 9 PAYMENT AND COMPLETION

ARTICLE 9.3 - Applications for Payment

Add the following to Article 9.3.1

9.3.1.3 The form of Application for Payment will be a notarized AIA Document G702, Application and Certificate for Payment with AIA Document G703, Continuation Sheet. Applications for payment shall be made at approximately 30 day intervals. The contractor shall submit in triplicate the Application for Payment and Continuation Sheet. The Continuation Sheet (G703) shall be prepared the same as the Schedule of Values.

9.3.1.4 Contractor shall submit with each Application for Payment a notarized affidavit that payroll, bills for equipment, material and any other indebtedness connected with the work for which the previous Applications for Payment submitted and the owner might any way be responsible, have been paid. Also, submit release of liens arising out of the contract from each subcontractor, supplier, material person and laborer of the contract.

9.3.1.5 Schedule of Values (AIA Form G703 - Application and Certificate for Payment Continuation Sheet) shall utilize the table of contents of the Project Manual to identify each line item with title and number of the specification Section. Each line item including subcontracted work shall be shown with separate amounts for labor and material.

9.3.1.5.1 Identify on separate line items; Bonds, Insurance, Permits, Allowances, Site Mobilization, and Project Closeout (punch list, attic stock, project record drawings, training, final cleaning).

9.3.1.5.2 If the project is of sufficient size or nature, the Schedule of Values various items shall be subdivided into areas or units when requested by the Architect.

9.3.1.5.3 The architect reserves the right to use the approved Schedule of Values to determine the cost or credit resulting from any changes to the Work.

9.3.1.6 Labor Payments - Partial payments for labor performed under lump sum contract shall be made at the rate of 92 percent of the amount invoiced through the Application for Payment which shows the total contract completion at 50 percent or greater. After the contract is 50 percent complete, as evidenced by payments in the amount at least 50 percent of the labor contract price to the contractor, no additional funds will be retained. Retained funds will be deposited accordance to Paragraph 9.3.1.8

9.3.1.7 Material Payments - Partial payments for materials delivered on the site, or other point in the vicinity of the Project, or otherwise stored, as approved by the Architect, under lump sum contract shall be made at the rate of 92 percent of the amount invoiced. Payment for material incorporated into the project shall be made at the rate of 100 percent of scheduled value. Retained funds will be deposited accordance to Paragraph 9.3.1.8. The balance such invoiced cost shall be paid when such material is incorporated into and becomes part of the Project.

9.3.1.8 All funds retained shall be deposited in an escrow account with a bank in the state in accordance with the term as, and conditions provided in an escrow agreement executed by the contractor, the Owner and the applicable bank.

9.3.1.9 When the project is complete and there exists no other reason to withhold retainage, the retained percentages held in connection with such portions shall, upon request of the contractor, be released from escrow and paid to the contractor, withholding that amount necessary to assure completion. The amount of fund retained to assure completion of the work shall not be less than two (2) times the value of the work as determined by the Architect and Owner.

Add the following to paragraph 9.3.2

9.3.2.1 Where it is to the owner's best interest, materials stored off site will receive payment provided the contractor furnished to the owner with the monthly application for payment the following:

A list of the materials consigned to the project giving the place of storage, together with copies of invoices and reasons why materials cannot be delivered to the site.

Certification that all items are tagged for delivery to the project and that they will not be used for any other purpose.

Evidence of adequate insurance covering the material stored naming the owner as additionally insured.

The owner and architect shall have the right to inspect all materials stored.

When payment is allowed on account of material delivered on the site of the work or in the vicinity thereof or under the possession and control of the contractor but not yet incorporated therein, such material shall become the property of the owner, but if such material is stolen, destroyed, or damaged by casualty before being used, the contractor will be required to replace it at the contractor's expense

Add the following to paragraph 9.3.3

9.3.3.1 No materials or supplies for the work shall be purchased by the contractor or any subcontractor subject to any chattel mortgage, under conditional sale contract or other agreement by which an interest is retained by the seller.

ARTICLE 11 INSURANCE AND BONDS

11.1 - Contractor's Insurance and Bonds

Add the following to Article 11.1.1:

11.1.1.1 A commercial general liability policy and business automobile liability policy, separately or combined, shall be maintained to provide insurance as set forth in paragraph 11.1.1.

11.1.1.2 Such commercial general liability and business automobile liability insurance may be either combined single limits or split limits as provided below. An umbrella or excess liability policy may be used in combination with the commercial general liability and business automobile insurance to meet such limits:

Contracts in the maximum of \$100,000 or less shall require coverage in the amount of not less than \$1 million general aggregate and per occurrence.

Contracts in excess of \$100,000 but not more than \$5 million shall require coverage in the amount of not less than \$3 million general aggregate and per occurrence.

Such policies shall be endorsed to provide that the general aggregate limit applies separately to each of the insured contractor's projects.

11.1.1.3 If commercial general liability and business automobile liability insurance is written with split limits, the following minimum limits shall be provided:

Contracts in the amount of \$100,000 or less shall require coverage in the amount of not less than \$500,000 for injuries, including death, to one person, and \$1 million per occurrence and \$500,000 property damage.

Contracts in excess of \$100,000 but not more than \$5 million shall require coverage in the amount of not less than \$1 million for injuries, including death, to one person, and \$1 million per occurrence and \$1 million property damage, together with an umbrella or excess liability policy of not less than \$2 million per occurrence.

11.1.1.4 For any demolition, blasting, excavating, tunneling, shoring or similar operations, the contractor shall provide and maintain property damage liability insurance with a limit of liability equal to such limit as specified in the application sections of paragraphs 11.1.1.2 and 11.1.1.3.

11.1.1.5 Insurance policies shall be written on an occurrence basis only.

11.1.1.6 Products and completed operation coverage shall commence with the certification of final Certificate of Payment to the Contractor and extend for not less than two years beyond that date.

11.1.1.7 The Owner shall be provided a copy of the policy and named as a certificate holder on the policies of insurance which are maintained by the Contractor. The Owner shall be notified of any change in policy coverage.

11.2 Owners Insurance

11.2.1.1 - Owners Property Insurance Policy (Builders Risk): The Owner shall provide and maintain, during the progress of the work and until the execution of the certificate of substantial completion by the architect, a Property (builder's risk) Insurance Policy to cover all work in the course of construction including falsework, temporary buildings and structures, and materials used in the construction process that are stored on site. Such insurance shall be on a "Risk of Direct Physical Loss" form policy and shall insure against the perils of fire and extended coverage and physical loss or damage including, but not limited to, theft, vandalism, malicious mischief, earthquake, tornado, lightning, explosion, breakage of glass, flood, collapse and water damage. It shall also include debris removal, demolition occasioned by enforcement of an applicable legal requirement, and shall cover reasonable compensation for the state's services and expenses required to limit further loss.

11.2.1.2 - Coverage must include provision to pay the reasonable extra costs of expediting temporary and/or permanent repairs to, or permanent replacement of damaged property. This shall include overtime wages and the extra cost of "express" or

other means for rapidly transporting materials and supplies necessary to such repair or replacement.

11.2.1.4 - Coverage for other perils may be required if specified in the special conditions.

Unless otherwise specified in the contract documents, the builder's risk policy shall be written in the amount equal to 100 percent of the contract price, including landscaping, paving and other site work.

11.2.1.5 - The builder's risk policy shall specifically permit and allow for partial occupancy by the owner prior to acceptance of the project by the architect.

11.2.1.6 Property insurance provided by the Owner shall not cover any tools, apparatus machinery, scaffolding, hoist, forms, staging, shoring, and other similar items commonly referred to construction equipment that may be on site and the capital value of which is not included in the Work, nor shall such insurance cover any material or equipment before these materials and equipment are incorporated into the Work. The contractor shall make its own arrangements for any insurance it may require for such construction equipment, materials, and equipment.

ARTICLE 15 - ARBITRATION

15.4 Arbitration: Delete this article. Arbitration is not an acceptable form of binding dispute resolution for this project.

GENERAL NOTES

CONDITIONS PRECEDENT FOR EXECUTION OF AGREEMENT

THE FOLLOWING ITEMS SHALL BE FURNISHED ELECTRONICALLY:

Declaration of Insurance, including property insurance (builders risk)

Indiana Workers Compensation Certificate

A Contract Cost Breakdown Showing itemized Labor & Material amounts for the Total Contract Price

Performance and Payment Bond, Power of Attorney for the bonding agent.

A Certificate of Compliance issued by the Department of Insurance showing the Bonding Co. is licensed to do business in the State of Indiana.

Financial Statement of Bonding Co.

DOCUMENTS REQUIRED AFTER ISSUANCE OF NOTICE TO PROCEED

The architect shall issue a notice to proceed which shall establish the date for commencement of the project time. The contractor will, within 10 days of the date of the Notice to Proceed, furnish the architect ELECTRONICALLY:

A Schedule of Values (AIA Document G703, Continuation Sheet)

A Time Schedule of the Work.

A list of proposed Sub-contractors.

A list of Material Suppliers.

An estimated schedule of monthly payments.

END OF SECTION

SECTION 00 73 73 - SECURITY REQUIREMENTS

CONSTRUCTION PROJECT REQUIREMENTS FOR CRIMINAL BACKGROUND CHECKS

During the course of the construction project, the Owner desires to protect its employees, visitors and guests from individuals who may have criminal records. The Owner requires that all construction workers must undergo a criminal background investigation (BCI) and FBI check ("Criminal Background Check"). In addition to the Criminal Background Check, the Owner requires each worker to obtain an identification card/hard hat sticker from the Owner. This identification card/hardhat sticker must be worn by the worker at all times while on the construction site.

Card/hard hat sticker to be displayed on employees at all times or as approved by the Owner.

Except as provided in other paragraphs in this Section, no construction worker shall be permitted to perform work on the construction project if the worker has been convicted of or pleaded guilty to any of the following:

- Murder or aggravated murder
- Voluntary or involuntary manslaughter
- Assault, felonious assault, aggravated assault
- Aggravated menacing
- Kidnapping, abduction
- Child stealing or child enticement
- Rape
- Sexual battery
- Felonious sexual penetration
- Sexual imposition or gross sexual imposition
- Corruption of a minor
- Importuning
- Voyeurism
- Public indecency
- Prostitution or procuring prostitution
- Compelling or promotion prostitution
- Pandering obscenity and/or child pornography
- Disseminating matter harmful to juveniles
- Pandering and any sexually oriented materials involving or depicting minors
- Use of minor in nudity-oriented materials or performance
- Robbery or aggravated robbery
- Burglary or aggravated burglary
- Endangering children
- Contributing to unruliness or delinquency of child
- Carrying concealed weapon
- Having weapon while under disability
- Corrupting another with drugs
- Trafficking in drugs
- Placing harmful objects or substances in food
- Any other drug abuse offense which is not a minor misdemeanor
- Or
- A violation of any existing or former law of this State, any other State, or the United States, if the offense is substantially equivalent to any of the offenses described above.

The Owner may permit a construction worker to work conditionally until the Criminal Background Check is completed and the District receives the results of the check. If the results of the Criminal

Background Check indicate that, pursuant to this policy, the worker does not qualify to work on the project, the contractor shall immediately remove the worker from the site.

If a worker arrives at the site without the identification card/hard hat sticker, the worker must report immediately to the Owner's designated representative and will be provided with a temporary sticker. A temporary sticker will be provided for no more than two days in succession, unless the Owner's designated representative agrees to a longer period of time, in his sole discretion.

The Owner may permit a construction worker who has been convicted of or pleaded guilty to a violation of Indiana Building Code if the following conditions are met:

The offense was a misdemeanor.

The victim of the offense was not a person under eighteen (18) years of age.

At least five (5) years have elapsed since the worker was fully discharged from imprisonment, probation and parole, or the worker has had the record of his/her conviction sealed pursuant to the Indiana Building Code.

The worker provides written confirmation by a Court, his/her parole officer, and/or counselor that the worker has been rehabilitated.

The workers hiring will not jeopardize in any way the health, safety, or welfare of the persons served by the Owner. The following factors must be considered in determining whether the worker's hiring will jeopardize the persons served by the Owner:

the workers age at the time of the offense

the age and ability of the victim, including whether the victim is an individual with physical or mental disabilities

the nature and seriousness of the offense

the circumstances under which the offense was committed

the degree to which the worker participated in the offense

the time elapsed since the worker was fully discharged from imprisonment, probation and parole

the likelihood that the circumstances leading to the offense will recur

whether the worker is a repeat offender, "Repeat offender" means a person who has been convicted of or pleaded guilty to the commission of any of the offenses listed above two (2) or more times in separate criminal actions. Convictions or guilty pleas resulting from or connected with the same act, or resulting from offenses committed at the same time, shall be counted as one conviction or guilty plea

the extent to which the job assigned this worker is employed provides an opportunity for the commission of an offense listed above

the worker's employment record

the worker's efforts at rehabilitation and the results of those efforts

whether any criminal proceedings are pending against the worker

It is the workers responsibility to provide written proof that the conditions specified above are met. If the worker fails to provide such proof or if the Owner determines that the proof offered by the worker is inconclusive, the worker shall not be allowed to work on the project. Any doubt shall be resolved in favor of protecting the persons served by the Owner.

This requirement is applicable to records of convictions that have been sealed pursuant to the Indiana Building Code when the information contained in those sealed records bears a direct and substantial relationship to the job for which the worker will be employed.

A conviction of or a plea of guilty to an offense listed shall not prevent a worker from working the project if the worker has been granted an unconditional pardon for the offense pursuant to law. For purposes of this policy "unconditional pardon" includes a conditional pardon with respect to which all conditions have been performed or have transpired.

This construction project requirement applies to all employees of a contractor holding a construction contract awarded by the Owner, who are performing work at the construction site, and

the employees of all subcontractors to a contractor who will be performing work on site. The employees of material suppliers will only be subject to this requirement if they are delivering materials and equipment to the building. At the discretion of the Owner's designated representative, material suppliers delivering goods may be issued temporary badges. The Owner may request that a specific employee obtain the required Criminal Background Check if it has not already done so, and the contractor will comply with this request without delay.

It is the contractor's responsibility to complete the background check process in a timely manner to ensure that it causes no delay in the construction schedule.

Each contractor/consultant assumes full responsibility for ensuring that its employees working on site have obtained a satisfactory background check and are qualified to perform work on the Project.

The cost to obtain the Criminal Background Check is the responsibility of each contractor/agent/consultant awarded a contract for work on the Project.

If an employee has had a criminal background check within the last year one (1) year prior to the date of contract award, which showed no violations of the laws listed in the Indiana Building Code Section 3319.39, the employee or its employer is not required to obtain a more current check.

Failure to comply with the Background Check Requirements may be determined to be a material breach of the agreement and grounds for termination by the Owner "for cause".

END OF SECTION

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**SECTION 08 16 14
FIBERGLASS DOORS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fiberglass reinforced polyester (FRP) flush doors with aluminum frames.

1.02 RELATED REQUIREMENTS

- A. Section 07 9005 - Joint Sealers
- B. Section 08 4313 - Aluminum Framed Storefronts
- C. Section 08 7100 - Door Hardware.
- D. Section 08 8000 - Glazing

1.03 REFERENCES

- A. AAMA 1503-98 - Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections.
- B. ANSI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors and Hardware Reinforcings.
- C. ASTM B 117 - Operating Salt Spray (Fog) Apparatus.
- D. ASTM B 209 - Aluminum and Aluminum-Alloy Sheet and Plate.
- E. ASTM B 221 - Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- F. ASTM D 256 - Determining the Pendulum Impact Resistance of Notched Specimens of Plastics.
- G. ASTM D 543 - Evaluating the Resistance of Plastics to Chemical Reagents.
- H. ASTM D 570 - Water Absorption of Plastics.
- I. ASTM D 638 - Tensile Properties of Plastics.
- J. ASTM D 790 - Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
- K. ASTM D 1308 - Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
- L. ASTM D 1621 - Compressive Properties of Rigid Cellular Plastics.
- M. ASTM D 1623 - Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics.
- N. ASTM D 2126 - Response of Rigid Cellular Plastics to Thermal and Humid Aging.
- O. ASTM D 2583 - Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor.
- P. ASTM D 3029 – Impact Resistance of Flat Rigid Plastic Specimens by Means of a Falling Weight.
- Q. ASTM D 6670-01 - Standard Practice for Full-Scale Chamber Determination of Volatile Organic Emissions from Indoor Materials/Products.
- R. ASTM E 84 - Surface Burning Characteristics of Building Materials.
- S. ASTM E 90 - Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
- T. ASTM E 283 - Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
- U. ASTM E 330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

- V. ASTM E 331 - Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
- W. ASTM F 476 - Security of Swinging Door Assemblies.
- X. SFBC PA 201 - Impact Test Procedures.
- Y. SFBC PA 203 - Criteria for Testing Products Subject to Cyclic Wind Pressure Loading.
- Z. SFBC 3603.2 (b)(5) - Forced Entry Resistance Test.

1.04 PERFORMANCE REQUIREMENTS

- A. General: Provide door assemblies that have been designed and fabricated to comply with specified performance requirements, as demonstrated by testing manufacturer's corresponding standard systems.
- B. Air Infiltration: For a single door 3'-0" x 7'-0", test specimen shall be tested in accordance with ASTM E 283 at pressure differential of 6.24 psf. Door shall not exceed 0.90 cfm per linear foot of perimeter crack.
- C. Water Resistance: For a single door 3'-0" x 7'-0", test specimen shall be tested in accordance with ASTM E 331 at pressure differential of 7.50 psf. Door shall not have water leakage.
- D. Swinging Door Cycle Test, Doors and Frames, ANSI A250.4: Minimum of 25,000,000 cycles.
- E. Swinging Security Door Assembly, Doors and Frames, ASTM F 476: Grade 40.
- F. Thermal Transmission, Exterior Doors, U-Value, AAMA 1503-98: Maximum of 0.29 BTU/hr x sf x degrees F. Minimum of 55 CRF value.
- G. Surface Burning Characteristics, FRP Doors and Panels, ASTM E 84:
 - 1. Flame Spread: Maximum of 200, Class C.
 - 2. Smoke Developed: Maximum of 450, Class C.
- H. Surface Burning Characteristics, Class A Option On Interior Faces of FRP Exterior Panels and Both Faces of FRP Interior Panels, ASTM E 84:
 - 1. Flame Spread: Maximum of 25.
 - 2. Smoke Developed: Maximum of 450.
- I. Impact Strength, FRP Doors and Panels, Nominal Value, ASTM D 256: 15.0 foot-pounds per inch of notch.
- J. Tensile Strength, FRP Doors and Panels, Nominal Value, ASTM D 638: 14,000 psi.
- K. Flexural Strength, FRP Doors and Panels, Nominal Value, ASTM D 790: 21,000 psi.
- L. Water Absorption, FRP Doors and Panels, Nominal Value, ASTM D 570: 0.20 percent after 24 hours.
- M. Indentation Hardness, FRP Doors and Panels, Nominal Value, ASTM D 2583: 55.
- N. Gardner Impact Strength, FRP Doors and Panels, Nominal Value, ASTM D 3029: 120 in-lb.
- O. Abrasion Resistance, Face Sheet, Taber Abrasion Test, 25 Cycles at 1,000 Gram Weight with CS-17 Wheel: Maximum of 0.029 average weight loss percentage.
- P. Stain Resistance, ASTM D 1308: Face sheet unaffected after exposure to red cabbage, tea, and tomato acid. Stain removed easily with mild abrasive or FRP cleaner when exposed to crayon and crankcase oil.
- Q. Chemical Resistance, ASTM D 543. Excellent rating.
 - 1. Acetic acid, Concentrated.
 - 2. Ammonium Hydroxide, Concentrated.
 - 3. Citric Acid, 10%.
 - 4. Formaldehyde.

- 5. Hydrochloric Acid, 10%
- 6. Sodium hypochlorite, 4 to 6 percent solution.
- R. Compressive Strength, Foam Core, Nominal Value, ASTM D 1621: 79.9 psi.
- S. Compressive Modulus, Foam Core, Nominal Value, ASTM D 1621: 370 psi.
- T. Tensile Adhesion, Foam Core, Nominal Value, ASTM D 1623: 45.3 psi.
- U. Thermal and Humid Aging, Foam Core, Nominal Value, 158 Degrees F and 100 Percent Humidity for 14 Days, ASTM D 2126: Minus 5.14 percent volume change.

1.05 SUBMITTALS

- A. Comply with Section 01 3000 - Administrative Requirements.
- B. Product Data: Submit manufacturer's product data, including description of materials, components, fabrication, finishes, and installation.
- C. Shop Drawings: Submit manufacturer's shop drawings, including elevations, sections, and details, indicating dimensions, tolerances, materials, fabrication, doors, panels, framing, hardware schedule, and finish.
- D. Samples:
 - 1. Door: Submit manufacturer's sample of door showing face sheets, core, framing, and finish.
 - 2. Color: Submit manufacturer's samples of full range of colors including premium of doors and frames.
 - 3. Test Reports: Submit certified test reports from qualified independent testing agency indicating doors comply with specified performance requirements.
 - 4. Maintenance Manual: Submit manufacturer's maintenance and cleaning instructions for doors, including maintenance and operating instructions for hardware.
 - 5. Warranty: Submit manufacturer's standard warranty.

1.06 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
 - 1. Continuously engaged in manufacturing of doors of similar type to that specified, with a minimum of 5 years successful experience.
 - 2. Door and frame components from same manufacturer.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying opening door mark and manufacturer.
- B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
- C. Handling: Protect materials and finish from damage during handling and installation.

1.08 COORDINATION

- A. Contractor shall be responsible for coordinating and obtaining necessary information from Hardware and Frame manufacturers to provide door supplier with approved hardware and frame schedules with templates.

1.09 WARRANTY

- A. Warrant doors, frames, and factory hardware against failure in materials and workmanship, including excessive deflection, faulty operation, defects in hardware installation, and deterioration of finish or construction in excess of normal weathering.
- B. Warranty Period: Ten years starting on date of substantial completion.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Special-Lite, Inc., Decatur, Michigan 49045 www.special-lite.com.
 - 1. Product: Series SL-17 with Speclite fiberglass reinforced polyester (FRP) face sheets..
 - 2. ~~Acceptable Manufacturers:~~
 - a. ~~Asa Abloy, Ceco Door Fiberglass Reinforced Polyester Door (FRP)~~
 - b. ~~Vale FRP Doors, Collingsale, PA: www.valedoors.com~~
 - c. ~~Commercial Door Systems, Mensalem PA: www.commercialdoorsystems.com~~
 - d. ~~Kawneer~~
 - e. ~~Substitutions: See Section 01 6000 – Product Requirements~~

2.02 FIBERGLASS FLUSH DOORS

- A. Door Opening Size: As indicated on the Drawings.
- B. Construction:
 - 1. Door Thickness: 1-3/4 inches.
 - 2. Stiles and Rails: Aluminum Alloy 6063-T5, minimum of 2-5/16-inch depth.
 - 3. Corners: Mitered.
 - 4. Provide joinery of 3/8-inch diameter full-width tie rods through extruded splines top and bottom as standard tubular shaped stiles and rails reinforced to accept hardware as specified.
 - 5. Securing Internal Door Extrusions: 3/16-inch angle blocks and locking hex nuts for joinery.
 - 6. Furnish extruded stiles and rails with integral reglets to accept face sheets. Lock face sheets into place to permit flush appearance.
 - 7. Extrude top and bottom rail legs for interlocking continuous weather bar.
 - 8. Bottom of Door: Install bottom weather bar with nylon brush weatherstripping into extruded interlocking edge of bottom rail.
- C. Face Sheet:
 - 1. Material: SpecLite3 FRP, 0.120-inch thickness, finish color throughout. Abuse-resistant engineered surface.
 - a. Standard face sheets shall be manufactured using a corrosion resistant resin system with light stabilizing additives. The resin shall be reinforced with fiberglass, 40% by weight.
 - 2. Texture: Pebble.
 - 3. Color: As selected by Architect from manufacturers full range of colors including premium.
- D. Core:
 - 1. Material: Poured-in-place polyurethane foam.
 - 2. Density: Minimum of 5 pounds per cubic foot.
 - 3. R-Value: Minimum of 9.
- E. Cutouts:
 - 1. Manufacture doors with cutouts for required vision lites, louvers, and panels.
 - 2. Factory install vision lites, louvers, and panels.
- F. Hardware:
 - 1. Hardware Preparation: To be fabricated at factory according to hardware templates provided.
 - 2. Hardware Installation: To factory install all applicable and supplied hardware to doors and frames.
 - 3. Hardware Reinforcement: To provide necessary reinforcement for proper longevity and hardware function; ASTM B 209 and/or ASTM 308.

4. Refer to Section 08 71 00 for more information.

2.03 MATERIALS

- A. Aluminum Members:
 1. Extrusions: ASTM B 221.
 2. Sheet and Plate: ASTM B 209.
 3. Components: Door and frame components from same manufacturer.
 4. Fasteners:
 - a. Material: Aluminum, 18-8 stainless steel, or other noncorrosive metal.
 - b. Compatibility: Compatible with items to be fastened.
 - c. Exposed Fasteners: Screws with finish matching items to be fastened.

2.04 FABRICATION

- A. Sizes and Profiles: Required sizes for door and frame units, and profile requirements shall be as indicated on the Drawings.
- B. Coordination of Fabrication: Field measure before fabrication and show recorded measurements on shop drawings.
- C. Assembly:
 1. Complete cutting, fitting, forming, drilling, and grinding of metal before assembly.
 2. Remove burrs from cut edges.
- D. Welding: Welding of doors or frames is not acceptable.
- E. Fit:
 1. Maintain continuity of line and accurate relation of planes and angles.
 2. Secure attachments and support at mechanical joints with hairline fit at contacting members.

2.05 ALUMINUM DOOR FRAMING SYSTEMS

- A. Tubular Framing:
 1. Size and Type: As indicated on the Drawings.
- B. Materials: Aluminum Alloy 6063-T5, 1/8-inch minimum wall thickness.
- C. Applied Door Stops: 0.625-inch high, with screws and weatherstripping. Door stop shall incorporate pressure gasketing for weathering seal. Counter punch fastener holes in door stop to preserve full metal thickness under fastener head.
- D. Frame Members: Box type with 4 enclosed sides.
- E. Joints:
 1. Secure joints with fasteners.
 2. Provide hairline butt joint appearance.
- F. Hardware:
 1. Premachine and reinforce frame members for hardware in accordance with manufacturer's standards and hardware schedule.
 2. Factory install hardware.
- G. Anchors:
 1. Anchors appropriate for wall conditions to anchor framing to wall materials.
 2. Door Jamb and Header Mounting Holes: Maximum of 24-inch centers.
 3. Secure head and sill members of transom, side lites, and similar conditions.
- H. Edit the following two paragraphs as required to specify the hardware and hardware finish. Consult Special-Lite for assistance in specifying hardware for the specific application.
 1. Hardware Schedule: As specified in Section 08 7100 and as follows:
 - a. Hinges: SL-11HD continuous hinges (by this section)

- b. Locking Hardware: See Section 08 7100
- 2. Finish: Clear.

2.06 LOUVERS

- A. BF-350 Bi-Fold Door Lite Kit
 - 1. Kitchen out swinging doors where screen doors are not practical place.
 - a. The bi-fold unit, when closed, locks securely in place with surface bolts. When open, it shutters in the open position and latches securely to the door stiles to avoid interference with normal traffic.
 - b. Fabricated with 1 3/4" FRP Panels (Poured-in Place Urethane Foam Core and .120 FRP Sheets), 1/2" x 1 1/4", 1" x 2" Aluminum Angles, 1" x 3/4" T Aluminum Bar and Stainless-Steel Insect Screen.
 - c. Factory attached Hardware: Stainless Steel Piano Hinge, G.J. 21A Receptacle, G.J. 1642 Surface Bolts, G.J. 21A Hook and Reese 786 Weather-Strip.
 - d. Color to match door face sheet.

2.07 ALUMINUM FINISHES

- A. Anodized Finish: Class I finish, 0.7 mils thick.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine areas to receive doors. Notify Architect of conditions that would adversely affect installation or subsequent use.
- B. Do not proceed with installation until unsatisfactory conditions are corrected.

3.02 PREPARATION

- A. Ensure openings to receive frames are plumb, level, square, and in tolerance.

3.03 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions.
- B. Install doors plumb, level, square, true to line, and without warp or rack.
- C. Anchor frames securely in place.
- D. Separate aluminum from other metal surfaces with bituminous coatings.
- E. Install exterior doors to be weathertight in closed position.

3.04 ADJUSTING

- A. Adjust doors, hinges, and locksets for smooth operation without binding.

3.05 CLEANING

- A. Clean doors promptly after installation in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials or methods that would damage finish.

3.06 PROTECTION

- A. Protect installed doors to ensure that doors will be without damage or deterioration at time of substantial completion.

END OF SECTION

**SECTION 08 33 23
OVERHEAD COILING DOORS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Overhead coiling doors, operating hardware, fire-rated, non-fire-rated, and exterior; electrically operated.
- B. Wiring from electric circuit disconnect to operator to control station.

1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.
- B. Section 08 71 00 - Door Hardware: Cylinder cores and keys.
- C. Section 09 91 13 - Exterior Painting: Field paint finish.
- D. Section 09 91 23 - Interior Painting: Field paint finish.

1.03 REFERENCE STANDARDS

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2020.
- B. ITS (DIR) - Directory of Listed Products; current edition.
- C. UL (DIR) - Online Certifications Directory; Current Edition.
- D. UL (EAUED) - Electrical Appliance and Utilization Equipment Directory; Underwriters Laboratories Inc.; current edition.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide general construction, electrical equipment, and component connections and details.
- C. Shop Drawings: Indicate pertinent dimensioning, anchorage methods, hardware locations, and installation details.
- D. Samples: Submit two slats, height of slat x 6 inch in size illustrating shape, color and finish texture.
- E. Manufacturer's Installation Instructions: Indicate installation sequence and procedures, adjustment and alignment procedures.
- F. Maintenance Data: Indicate lubrication requirements and frequency and periodic adjustments required.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum five years of documented experience.

1.06 REGULATORY REQUIREMENTS

- A. Conform to applicable code for fire rated openings.
- B. Provide products listed and labeled by UL as suitable for the purpose specified and indicated.
- C. Provide certificate of compliance from authority having jurisdiction indicating approval of fire rated units and operating hardware assembly.
- D. Products Requiring Electrical Connection: Listed and classified by ITS (DIR), UL (DIR), or testing firm acceptable to authorities having jurisdiction as suitable for purpose specified.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Overhead Coiling Doors:
 - 1. Basis of Design Manufacturer:
 - a. Clopay Building Products
 - 2. Acceptable Manufacturers:
 - a. Alpine Overhead Doors, Inc: www.alpinedoors.com.
 - b. Cornell Iron Works, Inc: www.cornelliron.com.
 - c. Overhead Door Company
 - d. The Cookson Company: www.cooksondoor.com.
 - e. Wayne-Dalton, a Division of Overhead Door Corporation: www.wayne-dalton.com.
 - f. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 OVERHEAD COILING INSULATED SERVICE DOORS

- A. Product:
 - 1. Model: 'T' Series Thermal Door
 - 2. Mounting: Interior face mounted on prepared opening
- B. Exterior Coiling Doors: Steel slat curtain.
 - 1. Capable of withstanding positive and negative wind loads of 20 psf, without undue deflection or damage to components.
 - 2. Sandwich slat construction with insulated core of foamed-in-place polyurethane insulation; minimum R-value of 8.1.
 - 3. Nominal Slat Size: 2-5/8 inches high and 7/8 inches thick x required length.
 - 4. Slat Material: ASTM A 653/A 653M galvanized steel; with a G90 galvanized coating
 - 5. Slat Gauge:
 - a. Outside face not less than 22 gauge
 - b. Inside face not less than 22 gauge
 - c. Finish: Factory painted, color as selected by Architect from manufacturers full range of colors including premium.
 - 6. Bottom Bar: Two (2) 2" x 2" x 1/8 " structural steel angles
 - 7. Guide, Angles: galvanized steel.
 - a. Finish: Factory painted, color to match slats.
 - 8. Hood Enclosure: Manufacturer's standard; primed steel.
 - a. Material 24 gauge galvanized steel
 - b. Finish: Factory painted, color to match slats.
 - 9. Operation
 - a. Electric operation.
 - 1) Model GH, heavy duty, UL listed, gearhead hoist type operator.
 - 2) Voltage: 208V, 3 phase
 - 3) Size: 3/4 HP
 - 4) Control Station: Flush Mounted, 3-button OPEN/CLOSE/STOP
 - 5) Safety Edge: Located at bottom of curtain, full width, electro-mechanical sensitized type, wired to stop operator upon striking object, hollow neoprene covered.
 - 6) Speed reduction shall be worm-gear-in-oil-bath gear reducer with synthetic "All Climate" oil. Shall provide 45:1 speed reduction.
 - 10. Mounting: Within framed opening.
 - 11. Locking:
 - a. Motor operated doors: integral gearing of motor operator to provide locking for door.
 - 12. Fire-Rated (**refer to drawings for rating and door location**)

- a. Fuseable link

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that opening sizes, tolerances and conditions are acceptable.

3.02 INSTALLATION

- A. Install units in accordance with manufacturer's instructions.
- B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.
- C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.
- D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.
- E. Install enclosure and perimeter trim.

3.03 TOLERANCES

- A. Maintain dimensional tolerances and alignment with adjacent work.
- B. Maximum Variation From Plumb: 1/16 inch.
- C. Maximum Variation From Level: 1/16 inch.
- D. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch per 10 ft straight edge.

3.04 ADJUSTING

- A. Adjust operating assemblies for smooth and noiseless operation.

3.05 CLEANING

- A. Clean installed components.
- B. Remove labels and visible markings.

END OF SECTION

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SECTION 08 71 00
DOOR HARDWARE – COUNTRY MEADOWS

PART 1- GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This section includes items known commercially as finish or door hardware that are required for swing, sliding, and folding doors, except special types of unique hardware specified in the same sections as the doors and door frames on which they are installed.
- B. This section includes the following:
1. Hinges.
 2. Lock cylinders and keys.
 3. Lock and latch sets.
 4. Bolts.
 5. Push/pull units.
 6. Closers.
 7. Overhead stops
 8. Kick plates.
 9. Smoke Seals
- C. Related Sections: The following Sections contain requirements that relate to this Section:
1. Division 6 Section "Interior Architectural Woodwork" for cabinet hardware.
 2. Division 8 Section "Standard Steel Doors and Frames" for silencers integral with hollow metal frames.
 3. Division 8 Section "Flush Wood Doors" for factory pre-fitting and factory pre-machining of doors for door hardware.

1.3 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification sections.
- B. Product data including manufacturer's technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
- C. Final hardware schedule coordinated with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
1. Final Hardware Schedule Content: Based on hardware indicated, organize schedule into "hardware sets" indicating complete designations of every item required for each door or opening. Include the following information:
 - a. Type, style, function, size, and finish of each hardware item.
 - b. Name and manufacturer of each item.

- c. Fastenings and other pertinent information.
 - d. Location of each hardware set cross referenced to indications on Drawings both on floor plans and in door and frame schedule.
 - e. Explanation of all abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for hardware.
 - g. Door and frame sizes and materials.
 - h. Keying information.
2. Submittal Sequence: Submit final schedule at earliest possible date particularly where acceptance of hardware schedule must precede fabrication of other work that is critical in the Project construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by door hardware, and other information essential to the coordinated review of schedule
 3. Keying Schedule: Submit separate detailed schedule indicating clearly how the Owner's final instructions on keying of locks have been fulfilled.
- E. Templates for doors, frames, and other work specified to be factory prepared for the installation of door hardware. Check shop drawing of other work to confirm that adequate provision is made for locating and installing door hardware to comply with indicated requirements.

1.4 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain each type of hardware (latch and lock sets, hinges, closers, etc.) From a single manufacturer
- B. Supplier Qualification: A recognized architectural door hardware supplier, with warehousing facilities within 50 miles of the job site that has a record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that employs an experienced architectural hardware consultant who is available to Owner, Architect, and Contractor, at reasonable times during the course of the Work, for consultation..
 1. Require supplier to meet with Owner to finalize keying requirements and to obtain final instructions in writing.
- C. Fire-Rated Openings: Provide door hardware for fire-rated openings that comply with NFPA Standard No. 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed and are identical to Protect tested by UL, Warnock Hersey, FM, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of door indicated in compliance with requirements of fire-rated door and door frame labels

1.5 PRODUCT HANDLING

- A. Tag each item or package separately with identification related to final hardware schedule and include basic installation instructions with each item or package.
- B. Packaging of door hardware is responsibility of supplier. As material is received by hardware supplier from various manufacturers, sort and repackage in containers clearly marked with appropriate hardware set number to match set number of approved hardware schedule. Two or more identical sets may be packed in same container.
- C. Inventory door hardware jointly with representative of hardware supplier and hardware installer until each is satisfied that count is correct.
- D. Deliver individually packaged door hardware items promptly to place of installation (shop or Project site).

- E. Provide secure lock-up for door hardware delivered to the Project but not yet installed. Control handling and installation of hardware items that are not immediately replaceable so that completion of the Work will not be delayed by hardware losses both before and after installation.

1.6 MAINTENANCE

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

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: subject to compliance with requirements, manufacturers offering products that may be incorporated in the work include the following: (Manufacturer whose name is prefixed with an asterisk *, indicates the manufacturer whose products are listed in the schedule at the end of this section.) No other manufacturers will be considered.

1. Butt and Continuous Hinges:
 - a. *H. B. Ives Co.
 - b. McKinney
 - c. Stanley
2. Lock and Latchsets
 - a. *Schlage
3. Cylinders and Cores
 - a. *Schlage Primus
4. Wall and Floor Stops and Flush Bolts
 - a. *H.B. Ives Co.
 - b. *Rockwood
5. Overhead Closers and Automatic Door Operators
 - a. *LCN
6. Kick, Mop, and Armor Plates:
 - a. * H.B. Ives Co.
 - b. Burns
 - c. Rockwood
7. Exit Devices, Power Supplies, Power Transfers
 - a. *Von Duprin
8. Overhead Stops
 - a. *Glynn Johnson Corp.
9. Thresholds, Weatherstripping, Door Sweeps, Seals
 - a. *National Guard Products

2.2 SCHEDULED HARDWARE

- A. Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of finish hardware are indicated in the “Hardware Schedule” at the end of this Section. Products are identified by using hardware designation numbers of the following:
 - 1. Manufacturer’s Product Designation: The product designation and name of one manufacturer are listed for each hardware type required for the purpose of establishing minimum requirements. Provide either the product designated or, where more than one manufacturer is specified under the Article “Manufacturers” in Part 2 for each hardware type, the comparable product of one of the other manufacturers that complies with requirements.

2.3 MATERIALS AND FABRICATION

- A. Manufacturer’s Name Plate: Do not use manufacturers’ products that have manufacturer’s name or trade name displayed in a visible location (omit removable nameplates) except in conjunction with required fire-rated labels and as otherwise acceptable to Architect.
 - 1. Manufacturer’s identification will be permitted on rim of lock cylinders only.
- B. Base Metals: Produce hardware units of basic metal and forming method indicated using manufacturer’s standard metal alloy, composition, temper, and hardness, but in no case of lesser (commercially recognized) quality than specified for applicable hardware unit for finish designations indicated.
- C. Fastener: provide hardware manufactured to conform to published templated, generally prepared for machine screw installation. Do not provide hardware that has been prepared for self-tapping sheet metal screws, except as specifically indicated.
- D. Furnish screws for installation with each hardware item. Provide Phillips flat-head screws except as otherwise indicated. Finish exposed (exposed under any condition) screws to match hardware finish or, if exposed in surfaces of other work, to match finish of this other work as closely as possible including “prepared for paint” surfaces to receive painted finish.

2.4 HINGES, BUTTS, AND PIVOTS

- A. Templates: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template-produced units.
- B. Screws: Provide Phillips flat-head screws complying with the following requirements:
 - 1. For metal doors and frames install machine screws into drilled and tapped holes.
 - 2. For wood doors and frames install wood screws.
 - 3. For fire-rated wood doors install #12 x 1 1/4-inch (32mm), threaded-to-the-head steel wood screws.
 - 4. Finish screw heads to match surface of hinges or pivots
- C. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
 - 1. Out-Swing Exterior Doors: Nonremovable pins.
 - 2. Interior Doors: Non-rising pins.
 - 3. Tips: Flat button and matching plug, finished to match leaves, except where hospital tip (HT) indicated.
- D. Number of Hinges: Provide number of hinges indicated but not less than 3 hinges per door leaf for doors 90 inches (2250mm) or less in height and one additional hinge for each 30 inches (750mm) of additional height.
 - 1. Fire-Rated Doors: Not less than 3 hinges per door leaf for doors 86 inches (2150mm) or less in height with same rule for additional hinges.

2.5 LOCK CYLINDERS AND KEYING

- A. Provide locks and cylinders to fit Schlage Primus full size interchangeable core (FSIC). Provide disposable construction cores for use during the construction period. Final cores by Owner.

2.6 LOCKS, LATCHES, AND BOLTS

- A. Strikes: Provide manufacturer's standard wrought box strike for each latch or lock bolt, with curved lip extended to protect frame, finished to match hardware set, unless otherwise indicated.
 - 1. Provide flat lip strikes for locks with 3-piece, antifriction latch bolts as recommended by manufacturer.
 - 2. Provide extra-long strike lips for locks used on frames with applied wood casing trim.
 - 3. Provide recess type top strikes for bolts locking into head frames, unless otherwise indicated.
- B. Lock Throw: Provide 5/8-inch (16mm) minimum throw of latch on pairs of doors. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.
 - 1. Provide 1/2-inch (13mm) minimum throw of latch for other bored and preassembled types of locks and 3/4-inch (19mm) minimum throw of latch for mortise locks. Provide 1-inch (25mm) minimum throw for all dead bolts.
- C. Flush Bolt Heads: Minimum of 1/2-inch (13mm) diameter rods of brass, bronze, or stainless steel with minimum 12-inch (300mm) long rod for doors up to 84 inches (2100mm) in heights. Provide longer rods as necessary for doors exceeding 84 inches (2100mm) in height.
- D. Exit Device Dogging: Except on fire-rated doors where closers are provided on doors equipped with exit devices, equip the unit with keyed dogging device to keep the latch bolt retracted, when engaged.

2.7 PUSH/PULL UNITS

- A. Exposed Fasteners: Provide manufacturer's standard exposed fasteners for installation, thru-bolted for matched pairs but not for single units.
- B. Concealed Fasteners: Provide manufacturer's special concealed fastener system for installation, thru-bolted for matched pairs but not for single units.

2.8 CLOSERS AND DOOR CONTROL DEVICES

- A. Size of Units: Except as otherwise specifically indicated, comply with the manufacturer's recommendations for size of door control unit depending on size of door, exposure to weather, and anticipated frequency of use.
 - 1. Where parallel arms are indicated for closers, provide closer unit one size larger than recommended for use with standard arms.
 - 2. Provide parallel arms for all overhead closers, except as otherwise indicated.
- B. Access-Free Manual Closers: Where manual closers are indicated for doors required to be accessible to the physically handicapped, provide adjustable units complying with ANSI A117.1 provisions for door opening force and delayed action closing.
- C. Combination Door Closers and Holders: Provide units designed to hold door in open position under normal usage and to release and close door automatically under fire conditions. Incorporate an integral electromagnetic holder mechanism designed for use with UL listed fire detectors, provided with normally closed switching contacts.

2.9 DOOR TRIM UNITS

- A. Fasteners: Provide manufacturer's standard exposed fasteners for door trim units consisting of either machine screws or self-tapping screws.
- B. Fabricate edge trim of stainless steel to fit door thickness in standard lengths or to match height of protection plates.
- C. Fabricate protection plates not more than 2 inches less than door width on the push side by the height indicated.
 - 1. Metal Plates, stainless steel, .050 inch (U.S. 16 gage) (1.6mm).

2.10 HARDWARE FINISHES

- A. Match items to the manufacturer's standard color and texture finish for the latch and lock sets (for push-pull units if no latch or lock sets).
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.
- C. The designations used in schedules and elsewhere to indicate hardware finishes are the industry recognized standard commercial finishes, except as otherwise noted.
 - 1. Rust-Resistant Finish: For iron and steel base metal required for exterior work and in areas shown as "High Humidity" areas (and when designed with the suffix-RR), provide 0.2ml (0.005mm) thick copper coating on base metal before applying brass, bronze, nickel, or chromium plated finishes.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Mount hardware units at heights indicated in following applicable publication, except as specifically indicated or required to comply with governing regulation and except as otherwise directed by Architect.
 - 1. "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute.
- B. Install each hardware item in compliance with the manufacturer's instructions and recommendations. Where cutting and fitting is required to install hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation or application of surface protection with finishing work specified in the Division 9 Section. Do not install surface mounted items until finishes have been completed on the substrates involved.
- C. Set units level, plumb, and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
- D. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.
- E. Set thresholds for exterior doors in full bed of butyl-rubber or polyisobutylene mastic sealant complying with requirements specified in Division 7 Section "Joint Sealers."

- F. Weatherstripping and Seals: Comply with manufacturers' instructions and recommendations to the extent installation requirements are not otherwise indicated.

3.2 ADJUSTING, CLEANING, AND DEMONSTRATING

- A. Adjust and check each operating item of hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate freely and smoothly or as intended for the application made.
- B. Clean adjacent surfaces soiled by hardware installation.
- C. Instruct Owner's personnel in proper adjustment and maintenance of door hardware and hardware finishes.

3.3 ELECTRONIC DOOR HARDWARE – Responsibility

- A. Hardware supplier is responsible for providing/installing all low voltage wiring for all electronic door hardware provided in this section from electrified hardware to power supplies furnished by this section. This includes, but is not limited to electronic exit devices, power supplies, power transfers, electric strikes, electric locks, automatic door operators, operator actuators, and other electronic door hardware specified and provided as part of this specification section. Hardware supplier is also required to install automatic door operators and actuators with factory trained installers and return at completion of project to make final adjustments and instruct owner in use/adjustment of equipment.
- B. Installers are required to be factory trained/certified by manufacturers of electronic door hardware.
- C. Electrical Contractor is responsible to Provide and Install 120V power to all power supplies, automatic operator headers, and other locations required, noted herein, and/or shown on the electrical drawings. Electrical Contractor is also responsible for providing and installing all conduit and/or wire chases for low voltage wiring and all required electrical boxes and junction boxes.
- D. Hardware Supplier is to meet with Electrical Contractor early during the construction period to instruct E.C. in requirements for power and for low voltage conduit/chases. Hardware supplier and E.C. are to communicate continually during construction as necessary to coordinate power with low voltage (hardware) requirements.

- 3.4 **ACCESS CONTROL** – Access control, including card readers, panels, interface units, is to be furnished/installed/wired/ by others. This is to also include Aiphone equipment.

3.5 HARDWARE SCHEDULE

- A. General: Provide hardware for each door to comply with requirements of Section "Door Hardware," hardware set numbers indicated in door schedule, and in the following schedule of hardware sets.

Set #001

Doors: 01

1	Continuous Hinge	112HD 120" CUSTOM CUT	710	IV
1	Continuous Hinge	112HD 120" CUSTOM CUT EPT	710	IV
1	Steel Mullion	4954 10'2"	SP313	VO
1	Exit Device	CD 99EO	US26D	VO
1	Exit Device	SD-QEL 99NL-OP x 110MD-NL	US26D	VO
	NOTE: (RHR)			
1	Rim Cylinder Housing	20-079	626	SC
2	Mortise Cylinder Housing	26-064	626	SC
	NOTE: For cylinder dogging			
1	Auto Operator	EXISTING AUTO OPERATOR & ACCESSORIES (REMOVE/REINSTALL)		MISH
	NOTE: RHR Active			
1	Closer	4040XP RWPA	DKBRZ	LC
	NOTE: LHR Inactive			
1	Adapter Plate	4040XP-18PA	DKBRZ	LC
2	Overhead Stop	104S	US10B	GL
2	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Electric Power Transfer	EPT 10	SP313	VO
2	Door Sweep	D698 DKB 36"		NA
1	Threshold	896 V 72"	AL	NA

NOTE: Flush pulls and seals by door manufacturer. Credential Reader (CR) and power supply - re-use existing. Permanent cores by Owner. Hardware supplier to remove and reinstall operator on active RHR leaf.

Set #002

Doors: 04, 12, 13

1	Continuous Hinge	112HD 120" CUSTOM CUT	710	IV
1	Continuous Hinge	112HD 120" CUSTOM CUT EPT	710	IV
1	Steel Mullion	4954 10'2"	SP313	VO
1	Exit Device	CD 99EO	US26D	VO
1	Exit Device	SD-QEL 99NL-OP x 110MD-NL	US26D	VO
1	Rim Cylinder Housing	20-079	626	SC
2	Mortise Cylinder Housing	26-064	626	SC
	NOTE: For cylinder dogging			
2	Closer	4040XP RWPA	DKBRZ	LC
2	Adapter Plate	4040XP-18PA	DKBRZ	LC
2	Overhead Stop	104S	US10B	GL
2	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Electric Power Transfer	EPT 10	SP313	VO
2	Door Sweep	D698 DKB 36"		NA
1	Threshold	896 V 72"	AL	NA

NOTE: Flush pulls and seals by door manufacturer. Credential Reader (CR) and power supply - re-use existing. Permanent cores by Owner.

Set #003

Doors: 05

1	Continuous Hinge	112HD 85"	710	IV
1	Continuous Hinge	112HD 85" EPT	710	IV
1	Steel Mullion	4954 7'2"	SP313	VO
1	Exit Device	CD 99EO	US26D	VO
1	Exit Device	SD-QEL 99NL-OP x 110MD-NL	US26D	VO
1	Rim Cylinder Housing	20-079	626	SC
2	Mortise Cylinder Housing	26-064	626	SC
NOTE: For cylinder dogging				
2	Closer	4040XP RW62A	DKBRZ	LC
2	Overhead Stop	904S	US10B	GL
2	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Electric Power Transfer	EPT 10	SP313	VO
2	Door Sweep	D698 DKB 36"		NA
1	Threshold	896 V 72"	AL	NA

NOTE: Flush pulls and seals by door manufacturer. Credential Reader (CR) and power supply - re-use existing.
Permanent cores by Owner.

Set #004

Doors: 06

1	Continuous Hinge	112HD 85" EPT	710	IV
1	Exit Device	SD-QEL 99NL-OP x 110MD-NL	US26D	VO
1	Rim Cylinder Housing	20-079	626	SC
1	Mortise Cylinder Housing	26-064	626	SC
1	Closer	4040XP RWPA	DKBRZ	LC
1	Adapter Plate	4040XP-18PA	DKBRZ	LC
1	Overhead Stop	104S	US10B	GL
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Electric Power Transfer	EPT 10	SP313	VO
1	Door Sweep	D698 DKB 36"		NA
1	Threshold	896 V 36"	AL	NA

NOTE: Flush pulls and seals by door manufacturer. Credential Reader (CR) and power supply - re-use existing.
Permanent cores by Owner.

Set #005

Doors: 07, 07A, 09

1	Continuous Hinge	112HD 120" CUSTOM CUT	710	IV
1	Closer	4040XP RW62A	DKBRZ	LC
1	Overhead Stop	904S	US10B	GL
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Gasketing	A626 DKB 1 x 36" 2 x 110"		NA
1	Door Sweep	D698 DKB 36"		NA
1	Threshold	896 V 36"	AL	NA

NOTE: Re-use existing mortise lock and cylinder.

Set #006

Doors: 10

1	Continuous Hinge	112HD 120" CUSTOM CUT	710	IV
1	Closer	4040XP RW62A	DKBRZ	LC
1	Overhead Stop	905S	US10B	GL
1	Protection Plate	8400 8" x 38" B-CS	US32D	IV
1	Gasketing	A626 DKB 1 x 40" 2 x 110"		NA
1	Door Sweep	D698 DKB 40"		NA
1	Threshold	896 V 40"	AL	NA

NOTE: Re-use existing mortise lock and cylinder.

Set #007

Doors: 07B, 08

2	Continuous Hinge	112HD 120" CUSTOM CUT	710	IV
1	Top Flush Bolt	FB458 24"	US10B	IV
1	Bottom Flush Bolt	FB458 12"	US10B	IV
1	Closer	4040XP RW62A	DKBRZ	LC
	NOTE: Active leaf only			
2	Overhead Stop	904S	US10B	GL
2	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Gasketing	A626 DKB 1 x 72" 2 x 110"		NA
2	Door Sweep	D698 DKB 36"		NA
1	Threshold	896 V 72"	AL	NA

NOTE: Re-use existing mortise lock and cylinder.

Set #008

Doors: 11

2	Continuous Hinge	112HD 120" CUSTOM CUT	710	IV
1	Steel Mullion	4954 10'2"	SP313	VO
2	Exit Device	CD 99EO	US26D	VO
2	Mortise Cylinder Housing	26-064	626	SC
	NOTE: For cylinder dogging			
2	Closer	4040XP RWPA	DKBRZ	LC
2	Adapter Plate	4040XP-18PA	DKBRZ	LC
2	Overhead Stop	104S	US10B	GL
2	Protection Plate	8400 8" x 34" B-CS	US32D	IV
2	Door Sweep	D698 DKB 36"		NA
1	Threshold	896 V 72"	AL	NA

NOTE: Flush pulls and seals by door manufacturer. Permanent cores by Owner.

Set #009 – Central Office

Doors: 03

<u>2</u>	<u>Continuous Hinge</u>	<u>112HD 95" CUSTOM CUT</u>	<u>710</u>	<u>IV</u>
<u>1</u>	<u>Top Flush Bolt</u>	<u>FB458 24"</u>	<u>US10B</u>	<u>IV</u>
<u>1</u>	<u>Flush Bolt</u>	<u>FB458 12"</u>	<u>US10B</u>	<u>IV</u>
<u>1</u>	<u>Strike</u>	<u>DP1</u>	<u>US26D</u>	<u>IV</u>
<u>1</u>	<u>Lockset</u>	<u>ND80J RHO</u>	<u>626</u>	<u>SC</u>
<u>2</u>	<u>Closer</u>	<u>4040XP RW62A</u>	<u>DKBRZ</u>	<u>LC</u>
<u>2</u>	<u>Overhead Stop</u>	<u>904S</u>	<u>US10B</u>	<u>GL</u>
<u>2</u>	<u>Protection Plate</u>	<u>8400 8" x 34" B-CS</u>	<u>US32D</u>	<u>IV</u>
<u>1</u>	<u>Gasketing</u>	<u>A626 DKB 1 x 72" 2 x 94"</u>		<u>NA</u>
<u>1</u>	<u>Overlapping Astragal</u>	<u>139 DKB 94"</u>		<u>NA</u>
<u>2</u>	<u>Door Sweep</u>	<u>D698 DKB 36"</u>		<u>NA</u>
<u>1</u>	<u>Threshold</u>	<u>896 V 72"</u>	<u>AL</u>	<u>NA</u>

NOTE: Permanent cores by Owner.

Set #010 – Central Office

Doors: 02

<u>1</u>	<u>Continuous Hinge</u>	<u>112HD 95" CUSTOM CUT</u>	<u>710</u>	<u>IV</u>
<u>1</u>	<u>Exit Device</u>	<u>CD 99NL-OP x 110MD-NL</u>	<u>US26D</u>	<u>VO</u>
<u>1</u>	<u>Rim Cylinder Housing</u>	<u>20-079</u>	<u>626</u>	<u>SC</u>
<u>1</u>	<u>Mortise Cylinder Housing</u>	<u>26-064</u>	<u>626</u>	<u>SC</u>
<u>1</u>	<u>Closer</u>	<u>4040XP RW62A</u>	<u>DKBRZ</u>	<u>LC</u>
<u>1</u>	<u>Overhead Stop</u>	<u>904S</u>	<u>US10B</u>	<u>GL</u>
<u>1</u>	<u>Protection Plate</u>	<u>8400 8" x 34" B-CS</u>	<u>US32D</u>	<u>IV</u>
<u>1</u>	<u>Gasketing</u>	<u>A626 DKB 1 x 36" 2 x 94"</u>		<u>NA</u>
<u>1</u>	<u>Door Sweep</u>	<u>D698 DKB 36"</u>		<u>NA</u>
<u>1</u>	<u>Threshold</u>	<u>896 V 36"</u>	<u>AL</u>	<u>NA</u>

Manufacturer List

Code	Name
GL	Glynn Johnson
IV	Ives
LC	LCN Closers
MISH	Miscellaneous Hardware
NA	National Guard
SC	Schlage
VO	Von Duprin

Option List

Code	Description
12"	
24"	24" ROD LENGTH (Manual Bolts)
B-CS	4 BEVELED EDGES -COUNTERSUNK HOLES (STD)
CD	CYLINDER DOGGING
CUSTOM CUT	Custom Cut to Length Charge (HD)
EPT	Electric Power Transfer Prep
SD-QEL	Center Case Dogging (for QEL Option)

Finish List

Code	Description
626	Satin Chromium Plated
710	Dark Satin Bronze Anodized
AL	Aluminum
DKBRZ	Dark Bronze (BHMA 695)
SP313	Sprayed Dark Bronze
US10B	Dull Bronze, Oxidized and Oil Rubbed
US26D	Chromium Plated, Dull
US32D	Stainless Steel, Dull

**SECTION 10 14 20
VINYL SIGNAGE**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Exterior Door Identification

1.02 RELATED SECTIONS

- A. Section 01 60 00 - Products Requirements

1.03 REFERENCES

- A. ANSI A117.1 - Specifications for Making Buildings and Facilities Accessible To and Usable By Physically Handicapped People.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. See Section 01 6116 VOC Content Restrictions, for VOC submittal procedures
- C. Product Data: Manufacturer's printed product literature for each type of sign, indicating sign styles, font, foreground and background colors, locations, overall dimensions of each sign.
- D. Signage Schedule: Provide information sufficient to completely define each sign for fabrication, including room number, room name, other text to be applied, sign and letter sizes, fonts, and colors.
 - 1. When room numbers to appear on signs differ from those on the drawings, include the drawing room number on schedule.
 - 2. When content of signs is indicated to be determined later, request such information from Owner through Architect at least 2 months prior to start of fabrication; upon request, submit preliminary schedule.
 - 3. Submit for approval by Owner through Architect prior to fabrication.
- E. Samples:
 - 1. Submit one (1) sample building letter, room/occupancy sign shown construction, text style, etc.
 - 2. Submit one sample other signs required, of size not less than 10 inches by 12 inches similar to that required for project, illustrating sign style, font, and method of attachment.
 - 3. Sample will be returned to contractor.
- F. Selection Samples: Where colors are not specified, submit two sets of color selection charts or chips.
- G. Verification Samples: Submit samples showing colors specified not less than 10 inches by 12 inches.
- H. Manufacturer's Installation Instructions: Include installation templates and attachment devices.
- I. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.

1.05 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.

1.06 REGULATORY REQUIREMENTS

- A. Conform to OBBC code and ANSI A117.1 for requirements for the physically handicapped.
- B. Signage shall conform to with the Americans with Disabilities Act Accessibility Guidelines (ADAAG). These requirements supersede Technical Specifications in this Section.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect and handle products to site under provisions of Section 01 6000 - Product Requirements.
- B. Store adhesive attachment tape at ambient room temperatures.

1.08 ENVIRONMENTAL REQUIREMENTS

- A. Do not install signs when ambient temperature is lower than recommended by manufacturer.
- B. Maintain this minimum temperature during and after installation of signs.

PART 2 PRODUCTS

2.01 REFER TO A6 SERIES DRAWINGS FOR SIGNAGE MATERIALS, LAYOUT AND LOCATIONS

2.02 EXTERIOR DOOR IDENTIFICATION

- A. Dimensional Letters - Cut Vinyl Dimensional Letters 2 mil thick, non-illuminated, colored acrylic
 - 1. Application: On all exterior and interior doors.
 - 2. Letter Style: Arial
 - 3. Text: Coordinate with school on door numbers and number location
 - 4. Letter Height:
 - a. Exterior: 12"
 - b. Interior: 6"
 - 5. Material: 2 mil vinyl film
 - 6. Mounting Method: Adhesive
 - 7. Color: Integrally-Colored - selected from manufacturer's standard colors
 - a. Exterior: White
 - b. Interior: Red
 - c. Exterior/Interior:
 - 1) Exterior: Black Number on White Background (Exterior Side)
 - 2) Interior: Red Number on a White Background (Interior Side)
 - 8. Fabrication
 - a. Design, fabricate, and install sign assemblies to prevent buckling, opening up of joints, and over-stressing of welds and fasteners.
 - b. Mill joints to a tight, hairline fit. Form joints exposed to the weather to exclude water penetration.
 - c. Conceal fasteners if possible; otherwise, locate fasteners where they will be inconspicuous.
 - d. Create signage to required sizes and layout. Comply with requirements indicated for design, dimensions, finish, color, and details of construction.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrate surfaces are ready to receive work.

3.02 GENERAL INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install signs and letters level and plumb.
- C. Install product in locations indicated using mounting methods recommended by sign manufacturer and free from distortion, warp, or defect adversely affecting appearance
- D. Install product at heights to conform to Americans with Disabilities Act Accessibility Guidelines (ADAAG) and applicable local amendments and regulations.

3.03 EXTERIOR DOOR IDENTIFICATION

- A. Locate:
 - 1. Sign where indicated
 - 2. Dimensional Letters Unless indicated otherwise: Locate on interior side of glass with centerline of sign at 72 inches above finished floor, center on door.
 - 3. Acrylic: Unless indicated otherwise: Locate on wall at latch side of door with centerline of sign at 72 inches above finished floor.
- B. Install neatly, with horizontal edges level.
- C. Mounting:
 - 1. Dimensional Letters: Adhered

3.04 CLEANING AND PROTECTION

- A. Clean exposed surfaces. Remove construction and installation marks.
- B. Remove temporary coverings.
- C. Protect installed signs from subsequent construction operations.

END OF SECTION

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**SECTION 12 24 00
WINDOW SHADES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Interior manual roller shades.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Concealed wood blocking for attachment of headrail brackets.
- B. Section 26 27 26 - WIRING DEVICES: Finish requirements for wall controls specified in this section.

1.03 PRICE AND PAYMENT PROCEDURES

- A. See Section 01 23 00 - Alternates, for product alternatives affecting this section.

1.04 REFERENCE STANDARDS

- A. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films; 2019.

1.05 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Where motorized shades are to be controlled by control systems provided under other sections, coordinate the work with other trades to provide compatible products.
 - 2. Coordinate the work with other trades to provide rough-in of electrical wiring as required for installation of hardwired motorized shades.
- B. Preinstallation Meeting: Convene one week prior to commencing work related to products of this section; require attendance of affected installers.
- C. Sequencing:
 - 1. Do not fabricate shades until field dimensions for each opening have been taken with field conditions in place.
 - 2. Do not install shades until final surface finishes and painting are complete.

1.06 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets, including materials, finishes, fabrication details, dimensions, profiles, mounting requirements, and accessories.
 - 1. Motorized Shades: Include power requirements and standard wiring diagrams for specified products.
- C. Shop Drawings: Include shade schedule indicating size, location and keys to details, head, jamb and sill details, mounting dimension requirements for each product and condition, and operation direction.
 - 1. Motorized Shades: Provide schematic system riser diagram indicating component interconnections. Include requirements for interface with other systems.
- D. Certificates: Manufacturer's documentation that line voltage components are UL listed or UL recognized.
- E. Selection Samples: Include fabric samples in full range of available colors and patterns.
 - 1. Motorized Shades: Include finish selections for controls.
- F. Operation and Maintenance Data: List of all components with part numbers, sources of supply, and operation and maintenance instructions; include copy of shop drawings.

- G. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.

1.07 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of this type with minimum 5 years of documented experience with shading systems of similar size and type.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shades in manufacturer's unopened packaging, labeled to identify each shade for each opening.
- B. Handle and store shades in accordance with manufacturer's recommendations.

1.09 FIELD CONDITIONS

- A. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.10 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide manufacturer's warranty from Date of Substantial Completion, covering the following:
 - 1. Shade Hardware: One year.
 - 2. Electric Motors: One year.
 - 3. Electronic Control Equipment: One year.
 - 4. Fabric: One year.
 - 5. Aluminum and Steel Coatings: One year.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Interior Manually Operated Roller Shades:
 - 1. Draper, Inc; Clutch Operated FlexShade: www.draperinc.com.
 - 2. Hunter Douglas Architectural; RB500 Manual Roller Shades: www.hunterdouglasarchitectural.com.
 - 3. MechoShade Systems LLC; Mecho/5 System: www.mechoshade.com.
 - 4. SWFcontract, a division of Springs Window Fashions, LLC.; _____: www.swfcontract.com.
 - 5. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Source Limitations: Furnish products produced by a single manufacturer and obtained from a single supplier.

2.02 ROLLER SHADES

- A. General:
 - 1. Provide shade system components that are easy to remove or adjust without removal of mounted shade brackets.
 - 2. Provide shade system that operates smoothly when shades are raised or lowered.
- B. Interior Roller Shades - Basis of Design: Draper, Inc; Clutch Operated FlexShade: www.draperinc.com.
 - 1. Description: Single roller, manually operated fabric window shade system complete with mounting brackets, roller tubes, hembars, hardware, and other components necessary for complete installation.
 - a. Drop Position: Regular roll.
 - b. Mounting: Window jamb mounted - inside, between jambs.

- c. Fabric: As indicated on drawings.
- 2. Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
 - a. Hardware Type: Universal brackets.
- 3. Roller Tubes: As required for type of shade operation; designed for removal without removing mounting hardware.
 - a. Material: Extruded aluminum or steel, with wall thickness and material selected by manufacturer.
 - b. Size: As recommended by manufacturer; selected for suitability for installation conditions, span, and weight of shades.
 - c. Roller tubes to be capable of being removed and reinstalled without affecting roller shade limit adjustments.
- 4. Hembars: Designed to maintain bottom of shade straight and flat, selected from manufacturer's standard options.
 - a. Style: Closed pocket; aluminum elliptical slat inside pocket with heat-sealed ends.
- 5. Manual Operation:
 - a. Clutch Operator: Manufacturer's standard material and design, permanently lubricated.
 - b. Drive Chain: Continuous loop stainless steel beaded ball chain, 95 pounds minimum breaking strength. Provide upper and lower limit stops.
 - c. Chain Retainer:
 - 1) Manufacturer's standard clip.
- 6. Accessories:
 - a. Fascia: Extruded aluminum, size as required to conceal shade mounting, attachable to mounting end caps, without exposed fasteners; clear anodized finish.
 - b. End Cap Covers: Match fascia or headbox finish.
 - c. Fasteners: Noncorrosive, and as recommended by shade manufacturer.

2.03 SHADE FABRIC

- A. Fabric - Type RS1: Nonflammable, color-fast, impervious to heat and moisture, and able to retain its shape under normal operation.
 - 1. Manufacturers:
 - a. Lutron Electronics Co., Inc; E Screen THEIA - 1%: www.lutron.com.
 - b. MechoShade Systems LLC; Soho - 1100 Series (1% open): www.mechoshade.com.
 - c. Mermet Corporation; E-Screen - 1%: www.mermetusa.com.
 - 2. Material: Vinyl coated polyester.
 - 3. Performance Requirements:
 - a. Flammability: Pass NFPA 701 large and small tests.
 - 4. Openness Factor: 1%.
 - 5. Color: As indicated on drawings.
 - 6. Fabrication:
 - a. Fabric Orientation: Railroaded, fabric is turned 90 degrees off the roll.
 - b. If height of opening requires multiple panels of railroaded fabric, use battens at seams.
 - c. Battens: Full width of shade, enclose in welded shade fabric pocket.

2.04 ROLLER SHADE FABRICATION

- A. Field measure finished openings prior to ordering or fabrication.
- B. Dimensional Tolerances: Fabricate shades to fit openings within specified tolerances.
 - 1. Vertical Dimensions: Fill openings from head to sill with 1/2 inch space between bottom bar and window stool.

2. Horizontal Dimensions - Inside Mounting: Fill openings from jamb to jamb.
- C. At openings requiring continuous multiple shade units with separate rollers, locate roller joints at window mullion centers; butt rollers end-to-end.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine finished openings for deficiencies that may preclude satisfactory installation.
- B. Start of installation shall be considered acceptance of substrates.

3.02 PREPARATION

- A. Prepare surfaces using methods recommended by manufacturer for achieving best result for substrate under the project conditions.
- B. Coordinate with window installation and placement of concealed blocking to support shades.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved shop drawings, using mounting devices as indicated.
- B. Adjust level, projection, and shade centering from mounting bracket. Verify there is no telescoping of shade fabric. Ensure smooth shade operation.

3.04 CLEANING

- A. Clean soiled shades and exposed components as recommended by manufacturer.
- B. Replace shades that cannot be cleaned to "like new" condition.

3.05 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.
- B. See Section 01 79 00 - Demonstration and Training, for additional requirements.
- C. Demonstration: Demonstrate operation and maintenance of window shade system to Owner's personnel.

3.06 PROTECTION

- A. Protect installed products from subsequent construction operations.
- B. Touch-up, repair, or replace damaged products before Substantial Completion.

3.07 MAINTENANCE

- A. See Section 01 70 00 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.

END OF SECTION

- ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.

Table of abbreviations and their meanings, organized by letter (A through Z). Includes terms like ANCHOR BOLT, AIR CONDITIONING, ACCESSIBLE, etc.

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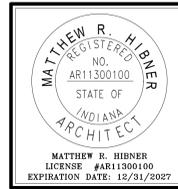
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ABBREVIATIONS table listing material symbols and their corresponding abbreviations used on contract documents.

DRAWING AND MATERIAL SYMBOLS LEGEND table showing material symbols and their corresponding abbreviations used on contract documents.

GENERAL NOTES section containing various instructions and specifications for the project, including references to general construction notes and drawings.



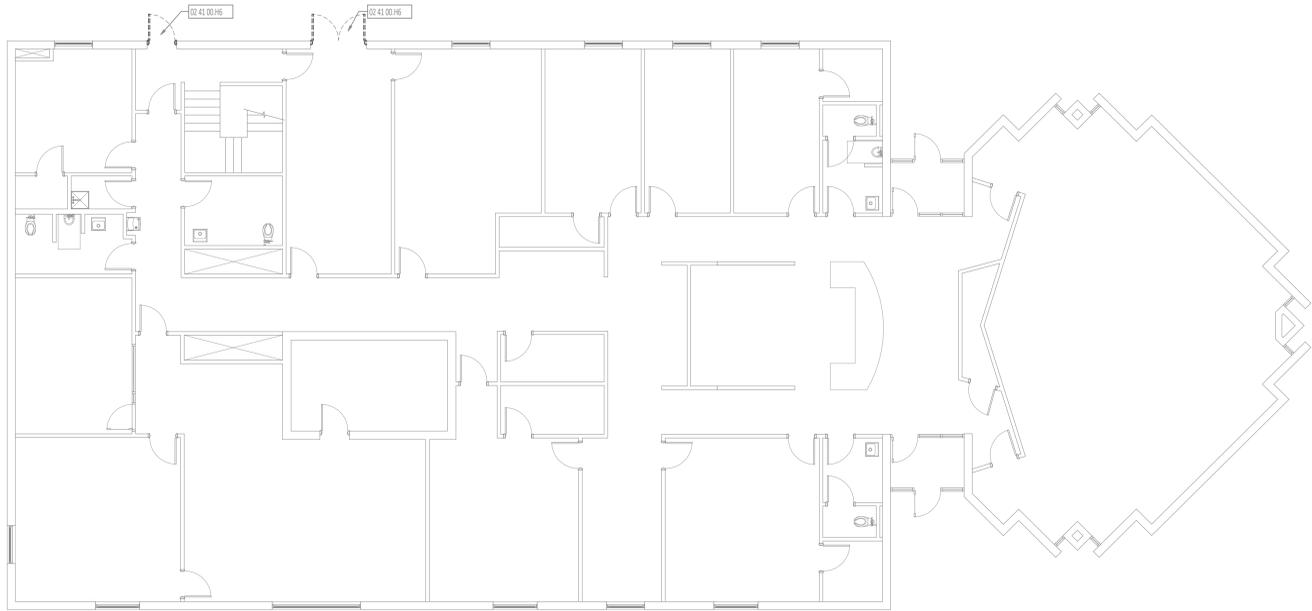
DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT WINDOW AND DOOR REPLACEMENT

ISSUANCES/REVISIONS table with columns for REVISION NUMBER, DESCRIPTION, and DATE.

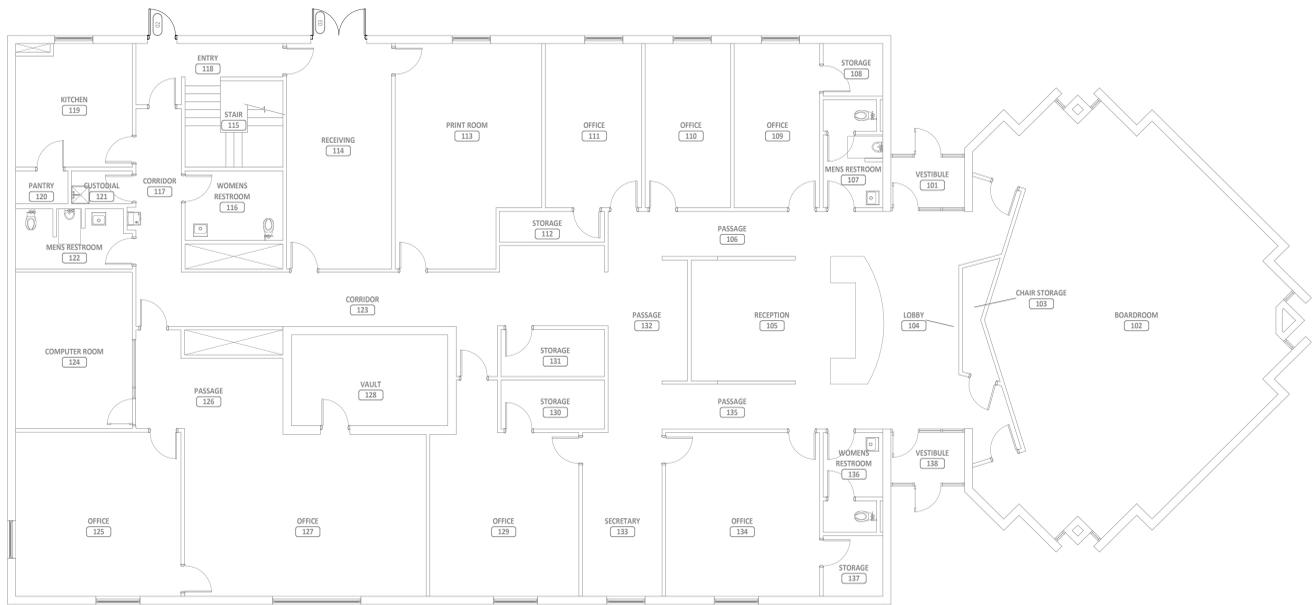
Table with columns for PROJECT NUMBER, DRAWN BY, and CHECKED BY.

GENERAL NOTES, ABBREVIATIONS AND SYMBOLS

SHEET NUMBER: A0.1



1 FIRST FLOOR DEMOLITION PLAN - OVERALL
1/8" = 1'-0"

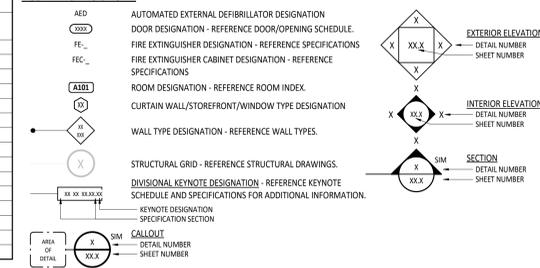


2 FIRST FLOOR PLAN - OVERALL
1/8" = 1'-0"

ROOM NUMBER	ROOM NAME
101	VESTIBULE
102	BOARDROOM
103	CHAIR STORAGE
104	LOBBY
105	RECEPTION
106	PASSAGE
107	MENS RESTROOM
108	STORAGE
109	OFFICE
110	OFFICE
111	OFFICE
112	STORAGE
113	PRINT ROOM
114	RECEIVING
115	STAIR
116	WOMENS RESTROOM
117	CORRIDOR
118	ENTRY
119	KITCHEN
120	PANTRY
121	CUSTODIAL
122	MENS RESTROOM
123	CORRIDOR

ROOM NUMBER	ROOM NAME
124	COMPUTER ROOM
125	OFFICE
126	PASSAGE
127	OFFICE
128	VAULT
129	OFFICE
130	STORAGE
131	STORAGE
132	PASSAGE
133	SECRETARY
134	OFFICE
135	PASSAGE
136	WOMENS RESTROOM
137	STORAGE
138	VESTIBULE

FLOOR PLAN SYMBOLS LEGEND



NUMBER	DOOR					FRAME					HARDWARE SET	ROOM KEY	FUNCTION	LABEL (MIN)	NOTES	
	SIZE	THK	MATL	TYPE	GLASS	DEPTH	MATL	TYPE	GLASS	HEAD						JAMB
02	3'-0" x 7'-10"	1 3/4"	FRP	NL	EG1	5 3/4"	HM	2	-	4/CO-A1.1	5/CO-A1.1	6/CO-A1.1	010	009	Exterior	1
03	(2) 3'-0" x 7'-10"	1 3/4"	FRP	F	-	5 3/4"	HM	1	-	4/CO-A1.1	5/CO-A1.1	6/CO-A1.1	009	009	Exterior	1

DOOR GENERAL NOTES
 B REFERENCE SPECIFICATION SECTION 08 71 00 FOR HARDWARE SETS.
 C ALL OPENING SIZES ARE TO BE FIELD VERIFIED BY CONTRACTOR.

DOOR/OPENING SCHEDULE ABBREVIATIONS

SYMBOL DESCRIPTION
 F FLUSH
 HM HOLLOW METAL
 NL NARROW LITE
 FRP FIBER-REINFORCED POLYMER

DOOR/OPENING SCHEDULE NOTES

1. DOOR NUMBER VINYL DECALS.

CODE INFORMATION

BUILDING DESCRIPTION: IMPROVEMENTS CENTRAL OFFICE DOORS
APPLICABLE CODE: 2014 INDIANA BUILDING CODE
OCCUPANCY / USE GROUP: B (BUSINESS)
CONSTRUCTION TYPE: II-B (UNCHANGED)
NUMBER OF EXITS: EXISTING / UNCHANGED
ACTUAL BUILDING AREA: 8,600 SF (UNCHANGED)

3 DOOR TYPES
1/4" = 1'-0"

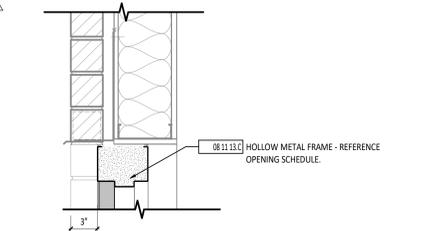
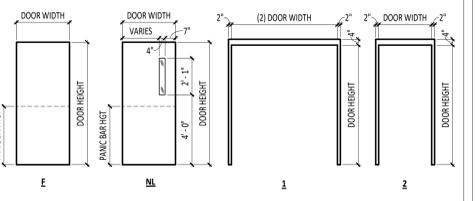
#	KEYNOTE DESCRIPTION
02 41 00 H6	REMOVE EXISTING DOOR AND FRAME.
08 11 13 A2	FRAME ANCHOR
08 11 13 C	HOLLOW METAL FRAME - REFERENCE OPENING SCHEDULE.
08 11 13 D	HOLLOW METAL FRAME - GROUT FULL - REFERENCE OPENING SCHEDULE.

FINISH MATERIAL SCHEDULE

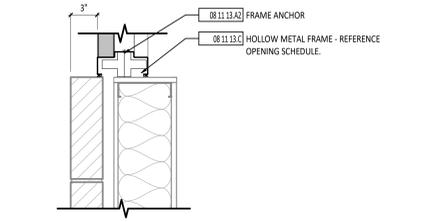
NAME	MANUFACTURER	STYLE	NUMBER	COLOR	SIZE	COMMENTS
09 91 13 PAINTING - PAINT	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW7001	BLACK MAGIC		REFER TO SPECIFICATION FOR SHEET INFORMATION
12 24 00 WINDOW SHADES- ROLLER SHADE						
RS1	MERMET	E SCREEN		WHITE/LINEN		13% OPENESS FACTOR

TYPICAL FINISHES

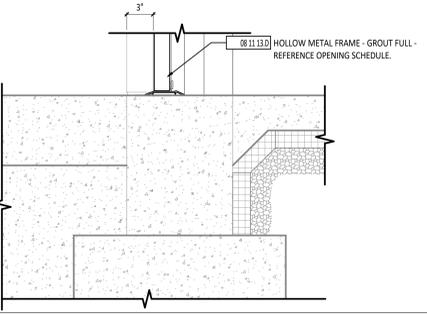
* UNLESS NOTED OTHERWISE, THESE FINISH SELECTIONS SHALL BE USED THROUGHOUT THE PROJECT. CONTRACTOR SHOULD BRING ANY DISCREPANCIES TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
 HOLLOW METAL DOOR FRAMES PT1
 HOLLOW METAL DOORS PT1



4 HEAD DETAIL - EXTERIOR
1 1/2" = 1'-0"



5 JAMB DETAIL - EXTERIOR
1 1/2" = 1'-0"



6 SILL DETAIL - EXTERIOR
1 1/2" = 1'-0"



DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT WINDOW AND DOOR REPLACEMENT

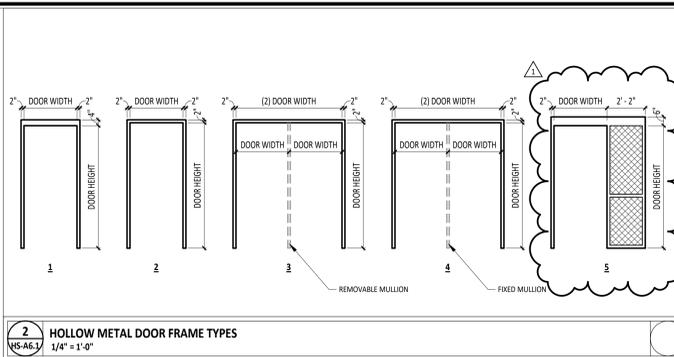
ISSUANCES/REVISIONS	
NO DOCUMENTS	01/06/2006
1 REVISIONS-ADDENDUM 01	01/09/2006

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
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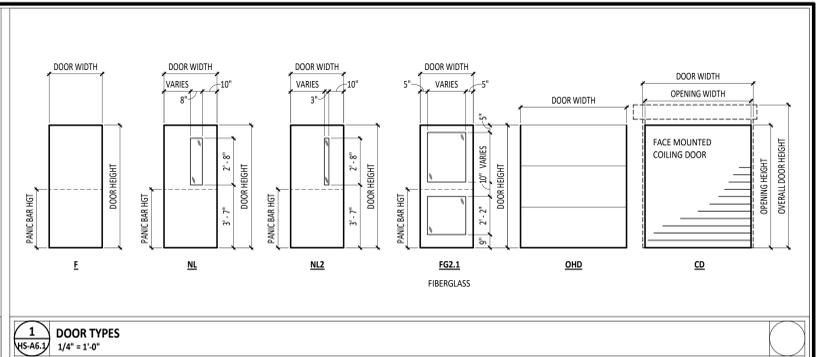
SHEET TITLE:
FIRST FLOOR PLAN

SHEET NUMBER:
CO-A1.1

NUMBER	SIZE	DOOR				FRAME				HARDWARE	ROOM KEY	FUNCTION	LABEL (MIN)	NOTES		
		THK	MATL	TYPE	GLASS	DEPTH	MATL	TYPE	GLASS							
		DETAIL NUMBER			HEAD	JAMB	SILL	SET	SIDE							
01A	(2) 3'-1" x 7'-2"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE2	EG1	-	-	001	-	Exterior	-	3
01B	(2) 3'-1" x 7'-2"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE2	EG1	-	-	004	-	Exterior	-	3
01C	(2) 3'-1" x 7'-2"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE2	EG1	-	-	010	-	Exterior	-	3
01D	(2) 3'-1" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF12	G1	-	-	011	-	Interior	-	3
01E	(2) 3'-1" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF12	G1	-	-	005	-	Interior	-	3
01F	(2) 3'-1" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF12	G1	-	-	006	-	Interior	-	3
02A	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE1	EG1	-	-	001	-	Exterior	-	3
02B	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF11	G1	-	-	027	-	Interior	-	1, 3
03A	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE1	EG1	-	-	001	-	Exterior	-	3
03B	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF11	G1	-	-	027	-	Interior	-	1, 3
07A	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE1	EG1	-	-	001	-	Exterior	-	3
07B	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF11	G1	-	-	027	-	Interior	-	1, 3
08D	3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	2	-	-	-	026	-	Exterior	-	3
9	18'-0" x 14'-0"	2"	STL	OHD	-	0"	-	-	-	-	-	-	-	Exterior	-	2, 3
09A	3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	2	-	-	-	026	-	Exterior	-	3
10	(2) 2'-6" x 9'-0"	1 3/4"	FRP	F	-	13"	HM	2	-	-	-	025	-	Exterior	-	3
11	(2) 2'-7" x 7'-0"	1 3/4"	FRP	F	-	12 3/4"	HM	2	-	-	-	024	-	Exterior	-	3
12	8'-10" x 9'-0"	2"	STL	CD	-	0"	STL	-	-	-	-	-	-	Exterior	-	2, 3
15	(2) 4'-0" x 7'-0"	1 3/4"	FRP	F	-	8 3/4"	HM	1	-	-	-	023	-	Interior	-	3
16A	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE3	EG1	-	-	009	-	Exterior	-	3
16B	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE3	EG1	-	-	009	-	Exterior	-	3
16C	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE3	EG1	-	-	003	-	Exterior	-	3
17	4'-0" x 7'-0"	1 3/4"	FRP	F	-	12 3/4"	HM	1	-	-	-	022	-	Exterior	-	3
18	(2) 3'-0" x 7'-0"	1 3/4"	FRP	FG2.1	EG2	6"	AL	SFE4	-	-	-	001	-	Exterior	-	3
18A	3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	2	-	-	-	020	-	Exterior	-	3
19	(2) 3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	1	-	-	-	021	-	Exterior	-	3
20A	(2) 2'-11" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	3	-	-	-	008	-	Exterior	-	3
20B	(2) 2'-11" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	4	-	-	-	007	-	Exterior	-	3
21A	(2) 2'-11" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	4	-	-	-	007	-	Exterior	-	3
21B	(2) 2'-11" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	4	-	-	-	007	-	Exterior	-	3
22	(2) 2'-11" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	4	-	-	-	007	-	Exterior	-	3
23A	(2) 2'-11" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	4	-	-	-	007	-	Exterior	-	3
23D	3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	2	-	-	-	019	-	Exterior	-	3
24D	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF13	G1	-	-	012	-	Interior	-	1
24E	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF13	G1	-	-	013	-	Interior	-	1
24F	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF13	G1	-	-	014	-	Interior	-	1
25E	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF14	G1	-	-	013/017	-	Interior	-	1
25F	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF14	G1	-	-	013/017	-	Interior	-	1
25G	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF14	G1	-	-	013/017	-	Interior	-	1
25H	(2) 3'-0" x 7'-2"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SF14	G1	-	-	018	-	Interior	-	1
25J	3'-0" x 7'-0"	1 3/4"	HM	NL2	G3	5 3/4"	HM	5	G3	1/HS-A6.2	4/HS-A6.2	-	028	Interior	180 MIN	3
25K	3'-0" x 7'-0"	1 3/4"	HM	NL2	G3	5 3/4"	HM	5 (SIM)	G3	1/HS-A6.2	4/HS-A6.2	-	028	Interior	180 MIN	3
26	(2) 3'-0" x 7'-0"	1 3/4"	FRP	FG2.1	G1	4 1/2"	AL	SFE5	EG1	-	-	022	-	Exterior	-	3
27	8'-0" x 7'-0"	2"	STL	CD	-	0"	STL	-	-	-	-	-	-	Exterior	180 MIN	2, 3



2 HOLLOW METAL DOOR FRAME TYPES
1/4" = 1'-0"



1 DOOR TYPES
1/4" = 1'-0"

DOOR GENERAL NOTES

- CONTRACTOR TO FIELD VERIFY ALL WINDOW ROUGH OPENING DIMENSIONS PRIOR TO WINDOW FABRICATION.
- REFERENCE SPECIFICATION SECTION 08 71 00 FOR HARDWARE SETS.
- ALL OPENINGS SIZES ARE TO BE VERIFIED BY CONTRACTOR.
- NEW HARDWARE TO BE TURNED OVER TO SCHOOL.
- NEW DOORS AND FRAMES TO BE INSTALLED IN EXISTING WALL. OVERALL FRAME DEPTH AND THROAT DEPTH TO BE VERIFIED IN FIELD BEFORE FABRICATION.

DOOR/OPENING SCHEDULE ABBREVIATIONS

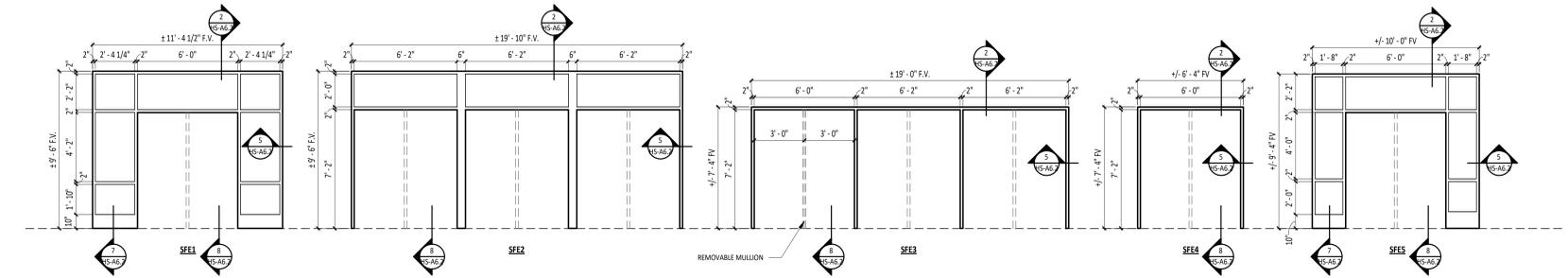
SYMBOL	DESCRIPTION	EXTERIOR GLAZING TYPES	INTERIOR GLAZING TYPES
EG1	EXISTING	EG1	EG1
AL	ALUMINUM	EG2	EG2
FK	FLUSH	EG3	EG3
FRP	FIBER-REINFORCED POLYMER		
HM	HOLLOW METAL		
NL	NARROW LITE		
WD	WOOD		

DOOR/OPENING SCHEDULE NOTES

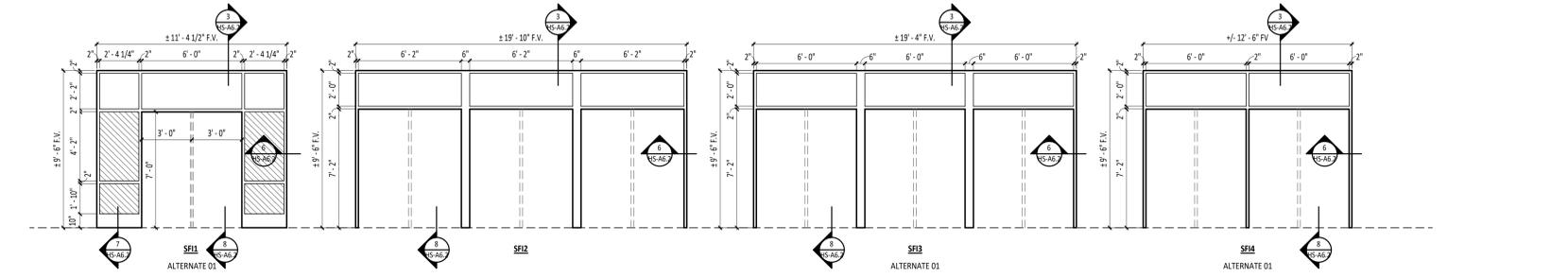
- ALTERNATE 01.
- ALTERNATE 02.
- DOOR NUMBER VINYL DECALS.

DETAIL NOT USED

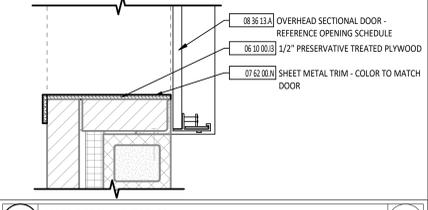
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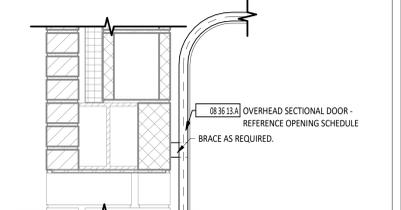
4 EXTERIOR STOREFRONT ELEVATIONS
1/4" = 1'-0"



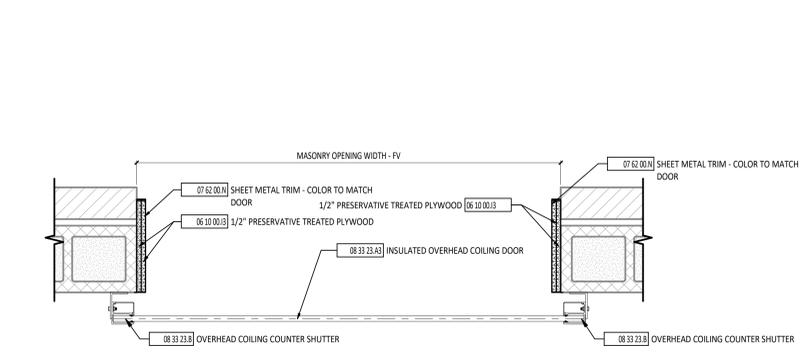
5 INTERIOR STOREFRONT ELEVATIONS
1/4" = 1'-0"



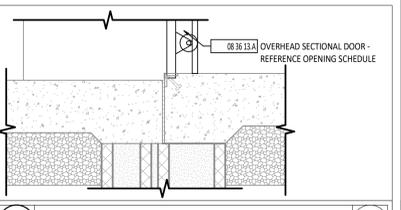
15 JAMB DETAIL - EXTERIOR
1 1/2" = 1'-0"



14 HEAD DETAIL - EXTERIOR
1 1/2" = 1'-0"



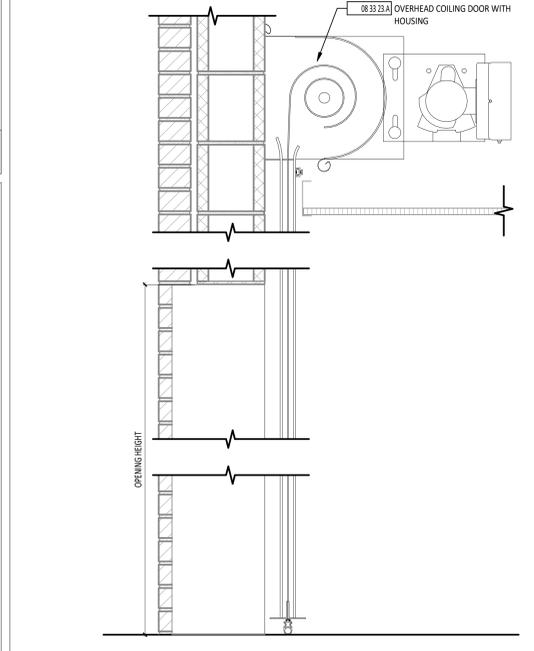
13 JAMB DETAIL - INTERIOR
1 1/2" = 1'-0"



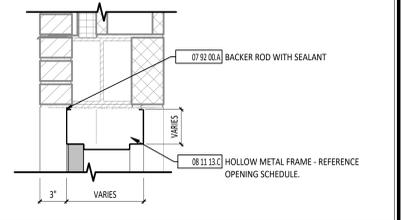
16 SILL DETAIL - EXTERIOR
1 1/2" = 1'-0"

DETAIL NOT USED

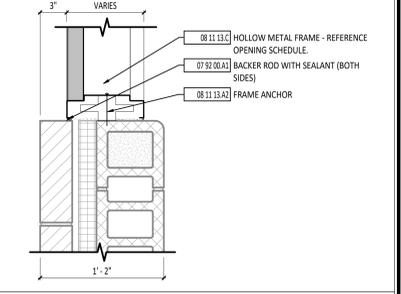
DETAIL NOT USED



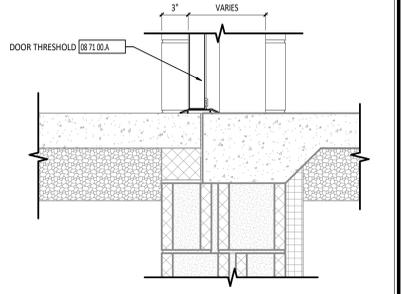
12 HEAD DETAIL - INTERIOR
1 1/2" = 1'-0"



9 HEAD DETAIL - EXTERIOR
1 1/2" = 1'-0"

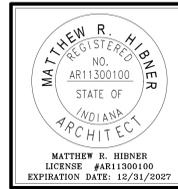


10 JAMB DETAIL - EXTERIOR
1 1/2" = 1'-0"



11 SILL DETAIL - EXTERIOR
1 1/2" = 1'-0"

#	KEYNOTE DESCRIPTION
06 10 00.13	1/2" PRESERVATIVE TREATED PLYWOOD
07 62 00.N	SHEET METAL TRIM - COLOR TO MATCH DOOR
07 92.00.A	BACKER ROD WITH SEALANT
07 92.00.A1	BACKER ROD WITH SEALANT (BOTH SIDES)
08 11 13.A2	FRAME ANCHOR
08 11 13.C	HOLLOW METAL FRAME - REFERENCE OPENING SCHEDULE.
08 33 23.A3	INSULATED OVERHEAD COILING DOOR
08 33 23.B	OVERHEAD COILING COUNTER SHUTTER
08 36 13.A	OVERHEAD SECTIONAL DOOR - REFERENCE OPENING SCHEDULE
08 71 00.A	DOOR THRESHOLD



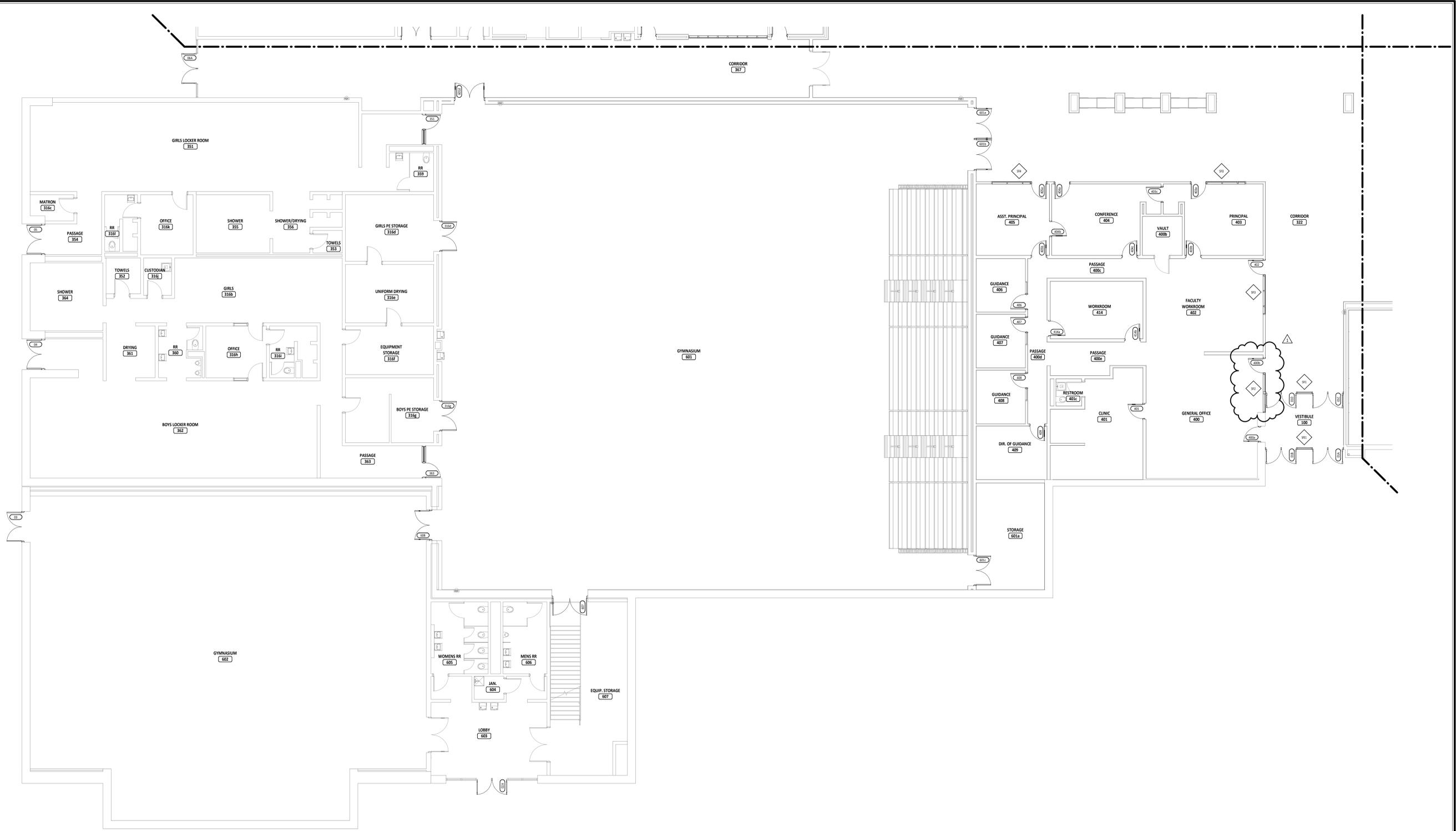
IMPROVEMENTS FOR
DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT WINDOW AND DOOR REPLACEMENT
SCHOOL COUNTY ROAD 77 - WATERLOO, IN 46201

ISSUANCES/REVISIONS		
REBID DOCUMENTS	01/06/2026	
1 REBID DOCUMENTS - ADDENDUM 01	01/19/2026	

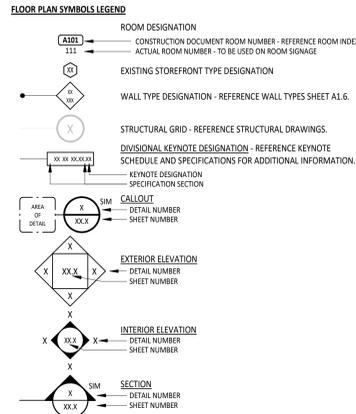
PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25022.00	ZIW	IDB

SHEET TITLE:
DOOR SCHEDULE, WINDOW & STOREFRONT ELEVATIONS, & DETAILS

SHEET NUMBER:
HS-A6.1



1 FIRST FLOOR PLAN - UNIT A
1/8" = 1'-0"



FLOOR PLAN GENERAL NOTES

- A ALL DIMENSIONS ARE MEASURED TO THE FACE OF MASONRY OR THE FACE OF METAL STUD UNLESS NOTED OTHERWISE.
- C INSTALL TREATED WOOD BLOCKING IN WALLS AS REQUIRED TO SECURE ALL EQUIPMENT, ACCESSORIES, HANDRAILS, CASEWORK, ETC. COORDINATE THIS WORK WITH ALL APPROPRIATE CONTRACTORS, SUPPLIERS AND MANUFACTURERS RECOMMENDATIONS.

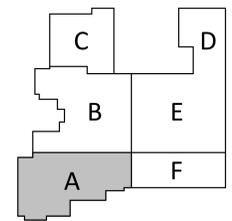
KEYNOTE DESCRIPTION

FIRST FLOOR PLAN ROOM INDEX - UNIT A

ROOM NUMBER	ROOM NAME	AREA
100	VESTIBULE	183 SF
316b	GIRLS	529 SF
316c	MATRON	45 SF
316d	GIRLS PE STORAGE	247 SF
316e	UNIFORM DRYING	217 SF
316f	EQUIPMENT STORAGE	181 SF
316g	BOYS PE STORAGE	237 SF
316h	OFFICE	132 SF
316i	RR	93 SF
316j	CUSTODIAN	44 SF
316k	OFFICE	132 SF
316l	RR	73 SF
322	CORRIDOR	3,885 SF
351	GIRLS LOCKER ROOM	1,362 SF
352	TOWELS	52 SF
353	TOWELS	28 SF
354	PASSAGE	107 SF
355	SHOWER	182 SF
356	SHOWER/DRYING	135 SF
359	RR	72 SF
360	RR	94 SF
361	DRYING	114 SF
362	BOYS LOCKER ROOM	1,269 SF
363	PASSAGE	254 SF
364	SHOWER	208 SF

FIRST FLOOR PLAN ROOM INDEX - UNIT A

ROOM NUMBER	ROOM NAME	AREA
367	CORRIDOR	1,535 SF
400	GENERAL OFFICE	597 SF
400b	VAULT	66 SF
400c	PASSAGE	82 SF
400d	PASSAGE	143 SF
400e	PASSAGE	120 SF
401	CLINIC	362 SF
401c	RESTROOM	30 SF
402	FACULTY WORKROOM	460 SF
403	PRINCIPAL	262 SF
404	CONFERENCE	291 SF
405	ASST. PRINCIPAL	221 SF
406	GUIDANCE	112 SF
407	GUIDANCE	112 SF
408	GUIDANCE	112 SF
409	DIR. OF GUIDANCE	161 SF
414	WORKROOM	226 SF
601	GYMNASIUM	10,747 SF
601a	STORAGE	308 SF
602	GYMNASIUM	5,059 SF
603	LOBBY	440 SF
604	JAN.	29 SF
605	WOMENS RR	169 SF
606	MENS RR	134 SF
607	EQUIP. STORAGE	542 SF



ISSUANCES/REVISIONS

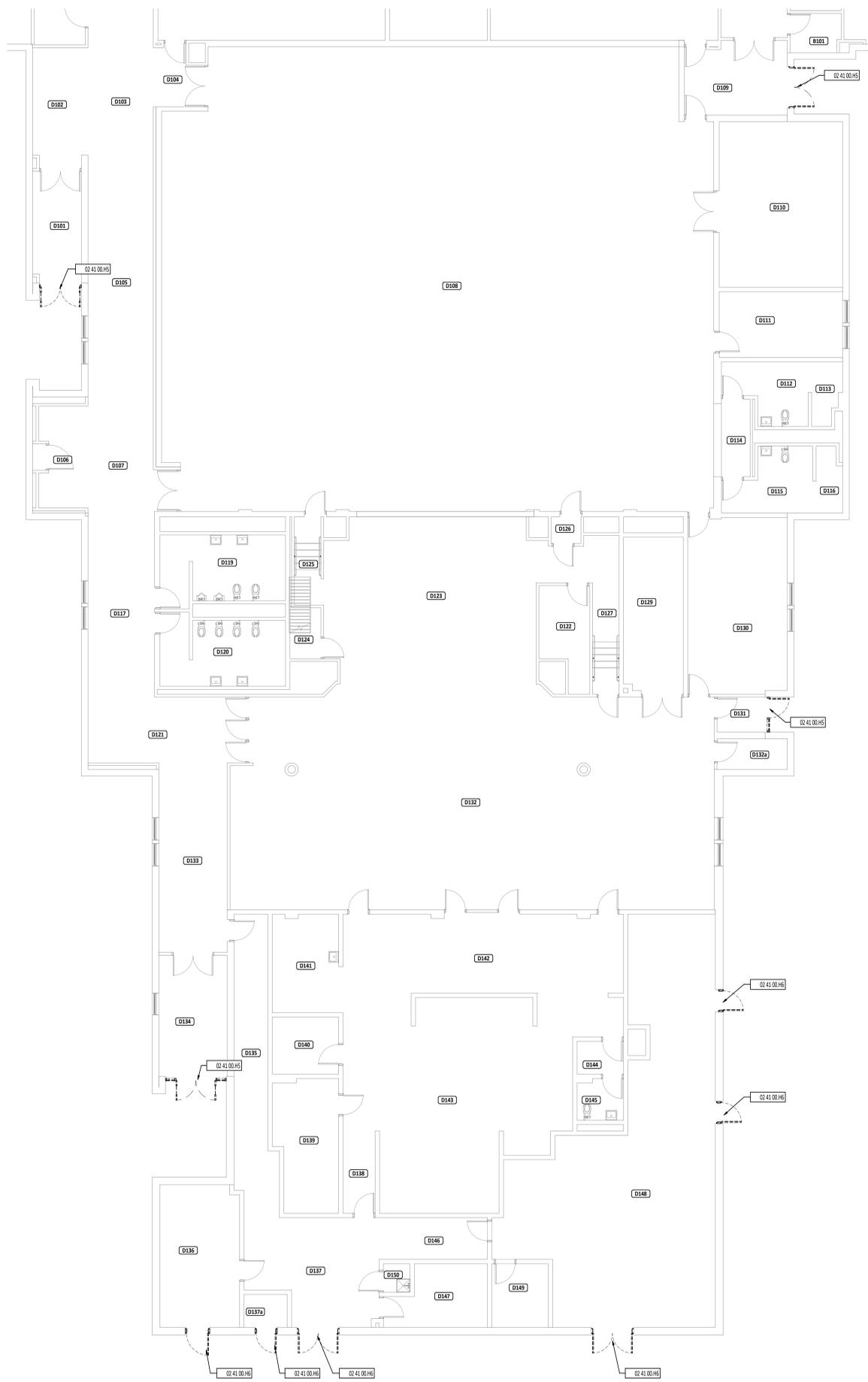
REVISION NUMBER	DESCRIPTION	DATE
1	REBID DOCUMENTS - ADDENDUM 01	01/20/2025

PROJECT INFORMATION

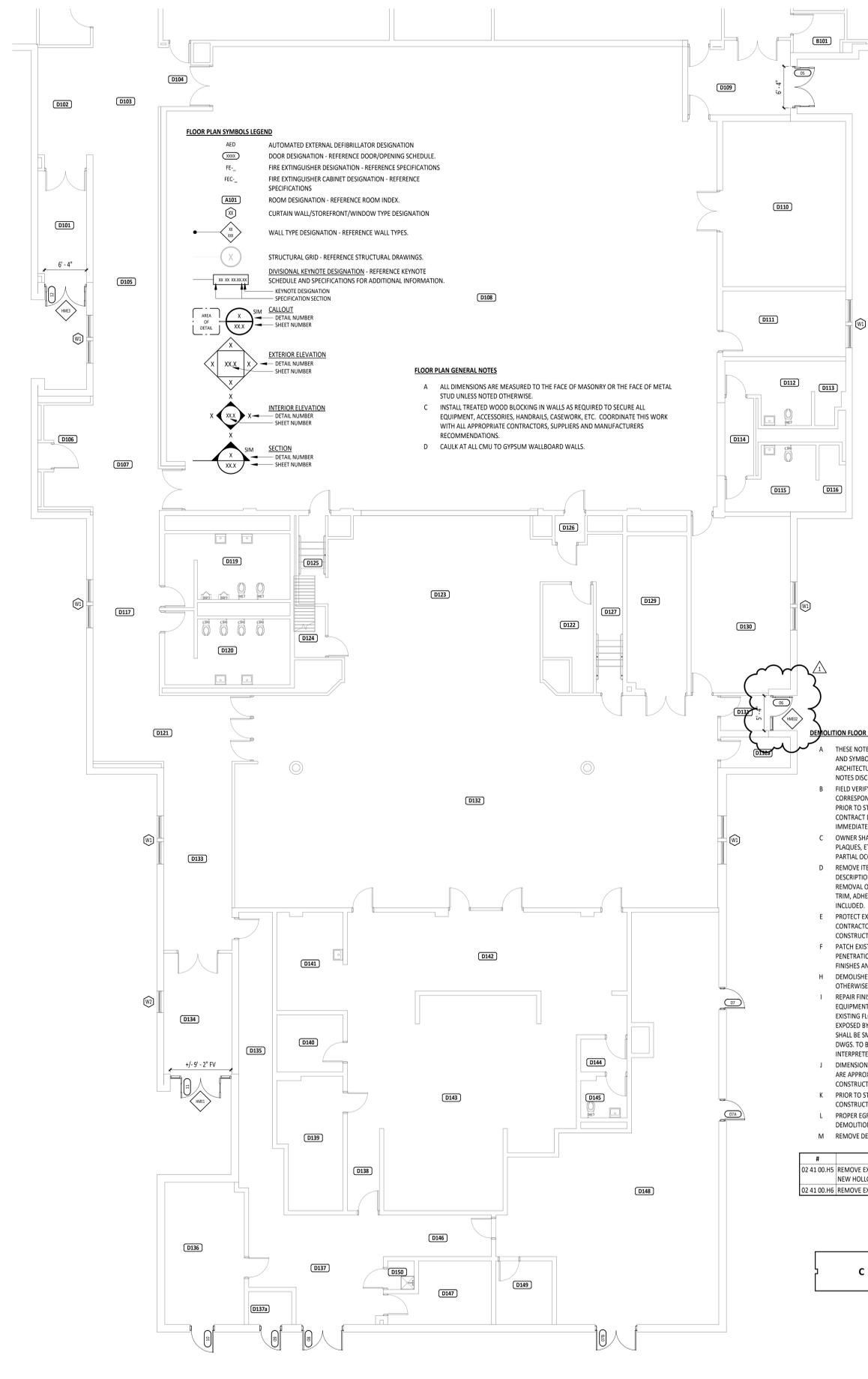
PROJECT NUMBER: 25022.00	DRAWN BY: zlw	CHECKED BY: ldb
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SHEET TITLE:
FLOOR PLAN - UNIT A

SHEET NUMBER:
MS-A1.1

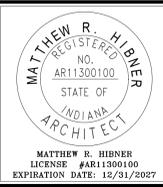


1 FIRST FLOOR DEMOLITION AND FLOOR PLAN - UNIT D
1/8" = 1'-0"



2 FIRST FLOOR PLAN - UNIT D
1/8" = 1'-0"

FIRST FLOOR PLAN ROOM INDEX - UNIT D		
ROOM NUMBER	ROOM NAME	AREA
D101	VESTIBULE	123 SF
D102	ALCOVE	149 SF
D103	CORRIDOR	161 SF
D104	ALCOVE	65 SF
D105	CORRIDOR	361 SF
D106	DISPLAY	108 SF
D107	CORRIDOR	197 SF
D108	GYMNASIUM	5,725 SF
D109	VESTIBULE	170 SF
D110	STORAGE	468 SF
D111	OFFICE	186 SF
D112	BOYS	105 SF
D113	SHOWER	40 SF
D114	ALCOVE	51 SF
D115	GIRLS	114 SF
D116	SHOWER	38 SF
D117	CORRIDOR	280 SF
D119	MENS RESTROOM	192 SF
D120	WOMENS RESTROOM	192 SF
D121	CORRIDOR	248 SF
D122	STORAGE	103 SF
D123	PLATFORM	900 SF
D124	FAN ROOM ACCESS	36 SF
D125	STAIR	54 SF
D126	LIFT	18 SF
D127	STAIR	99 SF
D129	STORAGE	209 SF
D130	COMMUNITY	402 SF
D131	VESTIBULE	39 SF
D132	CAFETERIA	2,323 SF
D132a	STORAGE	49 SF
D133	CORRIDOR	287 SF
D134	VESTIBULE	190 SF
D135	CORRIDOR	246 SF
D136	ELEC.	258 SF
D137	RECEIVING	297 SF
D137a	STORAGE	33 SF
D138	HALL	60 SF
D139	STORAGE	185 SF
D140	OFFICE	87 SF
D141	TRAY WASH	153 SF
D142	SERVING	635 SF
D143	KITCHEN	881 SF
D144	LOCKER ROOM	35 SF
D145	RESTROOM	43 SF
D146	HALL	103 SF
D147	STORAGE	128 SF
D148	BOILER	1,262 SF
D149	OFFICE	82 SF
D150	CUSTODIAL	17 SF



DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT WINDOW AND DOOR REPLACEMENT

ISSUANCES/REVISIONS		
REVISION NUMBER	DESCRIPTION	DATE
1	REVISION DOCUMENTS - ADDENDUM 01	01/20/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25022.00	ZLW	LD8

SHEET TITLE:
FIRST FLOOR DEMOLITION AND FLOOR PLAN - UNIT D

SHEET NUMBER:
CM-A1.4



DeKalb Pre-Bid RFIs

ADDENDUM 01

1. On the Door Opening / Schedule, there is nothing provided for Door Number 02 and 03. Please provide what Hardware set is required.
 - a. **These sets are issued as part of this addendum.**
2. On the Bid Form Section 00 41 13, does the \$37,500.00 Contingency Allowance need to be included in each Bid Item: (1) High School, (2) Middle School, (3) Country Meadows, (4) Central Office & (5) Combined Bid OR does the allowance need to be included on the (5) Combined Bid, only?
 - a. **The \$37,500 is for the entirety of the project, not per individual building. This will be revised in Addendum 01.**
3. Is door 12 to be fire rated?
 - a. **No, door 12 is not in a fire rated wall. The reason door 27 is fire rated is that it is in a 4hr rated wall. Specs will be cleared up to show this information.**
4. After removing existing storefronts & doors, shouldn't there be any repair work such as studs & drywall, Masonry, Painting, etc... Please include notes on the drawings if/for any repair work to be done after removal And Installation of new so all bidders are on the same page. Please provide details.
 - a. **Drawings will reflect with a general note that the contractor is responsible for patching and repairing any work as required. If details are required for a specific instance, Garmann Miller will issue a detail as part of an ASI upon request of the contractor.**
5. What about electrical work, specifically 110V work since low voltage will be part of the new openings? Please identify by notes on the drawing so the Electrician knows what to do.
 - a. **Door hardware specs note that the contractor is to re-use existing. There will be no new low voltage work.**
6. You have noted Door number vinyl Decals are required. Can you identify the exact numbers required and Provide a spec section for it? Or, is this by the Owner? Please clarify.
 - a. **Door number vinyl decals spec is being issued as part of this addendum. All doors will receive the decals. Refer to specs and A6.1 series sheets for more information.**



7. Please give details for the new wall or bulkhead at Country Meadows Unit A. If it is a wall, then what is the Use of replacing storefront 01? It is a dead area, no other doors are shown! Please clarify.
 - a. **There will not be a new bulkhead at Country Meadows. Once the storefront is removed, there is patching and repairing that will take place. There will not be any new door, storefront system, or wall that will replace what is being demolished.**

8. Please confirm if Corbin Russwin (Assa Abloy) is acceptable manufacturer as equal products to Schlage, Von Durprin, or LCN.
 - a. **We will not be able to accept Corbin Russwin as an acceptable manufacturer. We did not receive the request or information of proposed “equal” manufacturer with enough time before bid opening.**

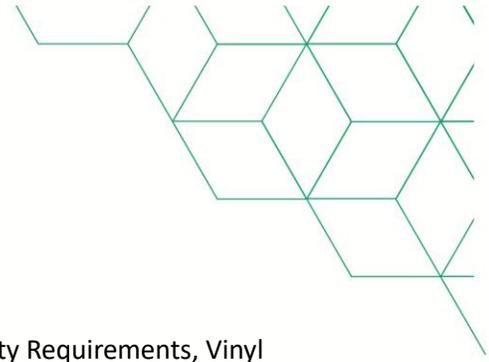
9. Please provide hardware sets for Central Office doors. I did not see it in the specs.
 - a. **The hardware set is provided as part of this addendum in the Country Meadows door hardware spec. Sets 009 and 010.**

10. High School frame SFI1 (alt) elevation shows fire rated glass. The door schedule does not. Which is correct?
 - a. **The hatch on the elevation is for clear laminated not fire rated. Nothing needs to be changed here.**

11. MS frames SFI1 and SFI2 elevations show fire rated glass. The door schedule does not. Q: which is correct?
 - a. **The hatch on the elevation is for clear laminated not fire rated. Nothing needs to be changed here.**

12. CM-A1.4: tag shows door-06 to be SFE02. Q: Is it supposed to be HME02?
 - a. **It should be tagged as HME02. This addendum will reflect that change.**

13. Masonry wall anchors are shown in the masonry jamb locations. Q: Are Punch and Dimple Frames, with wedge bolt anchors acceptable, or do we have to remove and re-build masonry jambs to install new masonry anchors?
 - a. **Specs call out knock down frames. The jamb details show the “frame anchor” which is what we use to show how the wedge bolt on the punch and dimple (knock down) frames. No change will be made to the drawings or specs.**



14. Where are the specifications for the Supplemental Conditions, Security Requirements, Vinyl Signage, and Window Shades?
 - a. **Spec sections will be provided as part of Addendum 01.**

15. Confirm if frames are to remain at serving/dish return?
 - a. **No, frames will be replaced per drawings.**

16. Side glazing at the office and vestibule. Discrepancy with the plan and door elevations. Which is correct?
 - a. **Drawings have been corrected as part of Addendum 01.**

17. Would smoke seals be needed, should this be tied into the local smoke alarm?
 - a. **We do not believe smoke seals are needed. If the current fire rated coiling door is tied into a smoke alarm, we would need the new to be tied into the alarm as well.**