



420 Rail Street
Negaunee, MI 49866
906-475-6616
WWW.NDW.US

BULLETIN

Number: 1 Project Number: 2339
Project: Marquette Sawyer Regional Airport Holdroom Expansion Date: April 3, 2024
Issued to: Closner Construction & Sales Inc.

You are hereby requested to execute promptly this Bulletin that interprets the Contract Documents or orders changes in the work. Please submit an itemized quotation for changes in the contract sum and / or time as a result of proposed modifications to the Contract Documents described herein.

This is neither a Change Order nor a direction to proceed with the work described herein.

Description:

1. AD100 – Demolition Plan:
 - a. Change new gift shop door opening size.
 - b. Add removal of slatwall per keynote 15.
 - c. Add modification of soffit per keynote 16.
 - d. Provide plumbing demolition per keynotes 17 and 18.
2. A100 – Floor Plan:
 - a. Change door A118.1 dimensions.
 - b. Add reinstatement of slatwall per keynote 13 and detail 5/A500.
3. A101 – Reflected Ceiling Plan:
 - a. Add construction of new soffit at new gift shop door opening at 8'-0" a.f.f.
4. A500 – Details: Add new details 5, 6, and 7.
5. A600 – Schedules:
 - a. Change door A118.1 to sliding door per revised A600.
 - b. Provide revised hardware set 4 at door A118.1 per attached specifications.
6. E100 – Electrical Plan:
 - a. Remove additional receptacle at door A118.1.
 - b. Remove keynote 13 which read "13. Provide cable from fire alarm system to power transfer provided by 08 71 00 and connect to delayed egress exit device fire alarm contact." There is no fire alarm system in the building to connect to.

Attachments: AD100, A100, A101, A500, A600, E100, specifications 08 43 29, 08 71 00.

End of Bulletin

Section 08 43 29 Sliding Storefront

PART 1 - General

1.1 Summary

- A. Section includes sliding storefronts.
- B. Related Sections:
 - 1. Section 07 92 00 - Joint Sealants.
 - 2. Section 08 41 13 – Aluminum Entrances and Storefronts.
 - 3. Section 08 71 00 – Door Hardware.
 - 4. Section 08 80 00 – Glazing.

1.2 References

- A. AAMA Standard 611 - Voluntary Specification for Anodized Architectural Aluminum
- B. AAMA Standard 701/702 - Voluntary specification for pile weatherstripping and replaceable fenestration weatherseals.
- C. AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels
- D. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels
- E. ASTM B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium
- F. ASTM B663 – Standard Specification for Silver-Tungsten Carbide Electrical Contact Material.

1.3 Definitions

- A. For fenestration industry standard terminology and definitions refer to American Architectural Manufacturers Association (AAMA) – AAMA Glossary (AAMA AG).

1.4 Submittals

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, hardware, finishes, and installation instructions for each type of sliding storefronts indicated.
- B. Shop Drawings: Include plans, elevations, sections, details, hardware, and attachments to other work, operational clearances, and installation details.

1.5 Quality Assurance

- A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope.
- B. Manufacturer Qualifications: A manufacturer capable of fabricating sliding storefronts that meet or exceed performance requirements indicated and of documenting this performance by inclusion of test reports, and calculations.

1.6 Project Conditions

- A. Field Measurements: Verify actual dimensions of sliding storefront openings by field measurements before fabrication and indicate field measurements on Shop Drawings.

1.7 Warranty

- A. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty.
- B. Warranty Period: Two (2) years from Date of Substantial Completion of the project.

PART 2 - PRODUCTS

2.1 Manufacturers

- A. Basis-of-Design Product:
 - 1. Kawneer Company Inc.
 - 2. Series 1010 Sliding Mall Front
 - 3. Framing Member Profile: 1-3/8" (34.9) Deep Frame
- B. Substitutions: Section 00 21 00 – Instructions to Bidders.

2.2 Materials

- A. Aluminum Extrusions: Alloy and temper recommended by sliding storefront manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.070" (1.8 mm) wall thickness at any location for the main frame and sash members.
- B. Fasteners: Aluminum, nonmagnetic stainless steel or other materials to be non-corrosive and compatible with sliding storefront members, trim hardware, anchors, and other components.
- C. Anchors, Clips, and Accessories: Aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.
- D. Reinforcing Members: Aluminum, nonmagnetic stainless steel, or nickel/chrome-plated steel complying with ASTM B 456 for Type SC 3 severe service conditions, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.
- E. Sliding-Type Weather Stripping: Provide woven-pile weather stripping of wool, polypropylene, or nylon pile and resin-impregnated backing fabric. Comply with AAMA 701/702.
- F. Weather Seals: Provide weather stripping with integral barrier fin or fins of semi-rigid, polypropylene sheet or polypropylene-coated material. Comply with AAMA 701/702.
- G. Sealant: For sealants required within fabricated sliding storefront, provide sliding storefront manufacturer's standard, permanently elastic, non-shrinking, and non-migrating type recommended by sealant manufacturer for joint size and movement.

2.3 Glazing

- A. Glass: Comply with Section 08 80 00 - Glazing.
- B. Glazing System: Glazing method shall be a channel type PVC gasket which is compatible with aluminum and shall be resistant to deterioration by all forms of weathering and suitably retained to maintain a watertight seal between the glass and the surrounding frame.

2.4 Hardware

- A. General: Provide manufacturer's standard hardware fabricated from aluminum, stainless steel, or other corrosion-resistant material compatible with aluminum; designed to smoothly operate, tightly close, and securely lock sliding storefronts.

- B. Standard Hardware:
 1. One pair of stainless steel tandem rollers per sliding panel
 2. Stainless steel roller track
 3. Adams Rite MS 1850A-505 Hookbolt Lock
 4. Exterior cylinder per 08 71 00 and interior thumb turn.
 5. Flush face pulls.
- 2.5 Fabrication
- A. Fabricate Components per the Manufacturer's most current Installation Instruction manuals with minimum suggested clearances and shim spacing around the perimeter of the assembly while enabling installation and dynamic movement of the perimeter seal.
 - B. Accurately fit and secure all joints and corners. Make joints flush, hairline and waterproof.
 - C. Prepare frames to receive anchor devices as required.
 - D. When possible, arrange fasteners and attachments to conceal from view.
 - E. Shop assemble frames to the greatest extent possible and shop seal all horizontal to vertical joints.
- 2.6 Finishes
- A. Comply with AAMA-AFPA "Anodic Finishes/Painted Aluminum" for recommendations for applying and designating finishes.
 - B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
 - C. Factory Finishing: Powder coating, green color to match existing selected from manufacturer's full color range, meeting the performance requirements of AAMA 2604.

PART 3 - EXECUTION

- 3.1 Examination
- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight sliding storefront installation.
 - B. Masonry Surfaces: Visibly dry and free of excess mortar, sand, and other construction debris.
 - C. Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches (76 mm) of opening.
 - D. Metal Surfaces: Dry; clean; free of grease, oil, dirt, rust, corrosion, and welding slag; without sharp edges or offsets at joints.
 - E. Proceed with installation only after unsatisfactory conditions have been corrected.
- 3.2 Installation

- A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing sliding storefronts, hardware, accessories, and other components.
- B. Install sliding storefronts level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.
- C. Set sill members in bed of sealant or with gaskets, as indicated, for weather tight construction.
- D. Install sliding storefronts and components to drain condensation, water penetrating joints, and moisture migrating within sliding storefront to the exterior.
- E. Separate aluminum from dissimilar materials to prevent corrosion or electrolytic action at points of contact.

3.3 Adjusting, Cleaning, And Protection

- A. Adjust operating door panels, screens, hardware, and accessories for a tight fit at contact points and weather stripping for smooth operation and weather tight closure. Lubricate hardware and moving parts.
- B. Clean aluminum surfaces immediately after installing sliding storefronts. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.
- C. Clean factory-glazed glass immediately after installing sliding storefronts. Comply with glass manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels, and clean surfaces.
- D. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.
- E. Protect sliding storefront surfaces from contact with contaminating substances resulting from construction operations. In addition, monitor sliding storefront surfaces adjacent to and below exterior concrete and masonry surfaces during construction for presence of dirt, scum, mortar, alkaline deposits, stains, or other contaminants. If contaminating substances do contact sliding storefront surfaces, remove contaminants immediately according to manufacturer's written recommendations.

End of Section

Section 08 71 00

Door Hardware

PART 1 - General

1.1 Summary

- A. Section includes:
 - 1. Hardware for doors.
 - 2. Keying of lock cylinders.
- B. Related Sections:
 - 1. Section 08 11 13 – Steel Doors and Frames.
 - 2. Section 08 41 13 – Aluminum Framed Storefronts: Door hardware.
 - 3. Division 26 – Power supply to electric hardware devices.

1.2 References

- A. ANSI A117.1 – Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
- B. ANSI/BHMA (Builders Hardware Manufacturers Association) – A156 series.
- C. AWI – Architectural Woodwork Institute.
- D. NFPA 80 (National Fire Protection Association) – Fire Doors and Windows.
- E. NFPA 252 (National Fire Protection Association) – Fire Tests of Door Assemblies.
- F. SDI – Steel Door Institute.
- G. UL 10B (Underwriters Laboratories, Inc.) – Safety Fire Tests of Door Assemblies.
- H. UL 305 (Underwriters Laboratories, Inc.) – Safety Panic Hardware.
- I. UL (Underwriters Laboratories, Inc.) – Building Materials Directory.
- J. WH (Warnock Hersey) – Directory of Listed Products.

1.3 Performance Requirements

- A. Hardware and installation shall conform to the requirements of the latest version of ANSI A117.1 - Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.

1.4 Submittals

- A. Submit schedule and product data for specified hardware.
- B. Indicate locations and mounting heights of each type of hardware.
- C. Provide standard finish chart to Architect for finish selection where finishes are not specified.

1.5 Closeout Submittals

- A. Project Record Documents: Record actual locations of installed cylinders and their master key code.
- B. Operation and Maintenance Data: Submit data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
- C. Keys: Deliver with identifying tags to Owner.

1.6 Quality Assurance

- A. Perform work in accordance with the following requirements:
 - 1. ANSI/BHMA A156 series.
 - 2. NFPA 80.
 - 3. UL 305.

1.7 Delivery, Storage, and Handling

- A. Package hardware items with necessary fasteners, instructions, and installation templates when necessary. Label and identify each package to match hardware schedule.
- 1.8 Coordination
- A. Coordinate work with other directly affected work involving manufacture or fabrication of internal reinforcement for door hardware and recessed items.
 - B. Provide templates or actual hardware as required to ensure proper preparation of doors and frames.
 - C. Sequence installation to accommodate required utility connections.
 - D. Coordinate Owner's keying requirements during course of work.

PART 2 - Products

2.1 Door Hardware

- A. Hinge Manufacturers:
 - 1. Hager
 - 2. McKinney
 - 3. Stanley
 - 4. Select Products Limited
 - 5. Bommer
 - 6. Architectural Builders Hardware Manufacturing, Inc.
 - 7. Substitutions: Section 00 21 00 – Instructions to Bidders.
- B. Latch Set Manufacturers:
 - 1. Schlage
 - 2. Corbin-Russwin
 - 3. Yale
 - 4. Best
 - 5. Substitutions: Section 00 21 00 – Instructions to Bidders.
- C. Exit Device Manufacturers:
 - 1. Corbin-Russwin
 - 2. Yale
 - 3. Von Duprin
 - 4. Substitutions: Section 00 21 00 – Instructions to Bidders.
- D. Cylinder Manufacturers
 - 1. Best
 - 2. Substitutions: Not Permitted.
- E. Closer Manufacturers:
 - 1. LCN
 - 2. Corbin-Russwin
 - 3. Norton
 - 4. Yale
 - 5. Substitutions: Section 00 21 00 – Instructions to Bidders.
- F. Door Control and Other Hardware Manufacturers:
 - 1. Glynn-Johnson
 - 2. Hager
 - 3. Ives
 - 4. Stanley
 - 5. Rockwood
 - 6. Substitutions: Section 00 21 00 – Instructions to Bidders.

- 2.2 Accessories
 - A. Provide all trim, fasteners, templates or other items required to provide a complete and functional installation of specified door hardware.
- 2.3 Finishing
 - A. Finishes: ANSI/BHMA A156.18; furnish following finish except where otherwise indicated in Schedule at end of section.
 - 1. BHMA 626 (US-26D) satin chromium plated finish.
 - B. Door closers may be provided with equivalent powder coated paint finish.

PART 3 - Execution

- 3.1 Examination
 - A. Verify doors and frames are ready to receive door hardware and dimensions are as indicated on shop drawings or instructed by manufacturer.
 - B. Verify electric power is available to power operated devices and is of correct characteristics.
- 3.2 Installation
 - A. Coordinate mounting heights with door and frame manufacturers. Use templates provided by hardware item manufacturer.
 - B. Mounting Heights from Finished Floor to Center Line of Hardware Item: Comply with manufacturer recommendations and applicable codes where not otherwise indicated.
 - 1. Locksets: 38 inch.
 - 2. Push/Pulls: 42 inch.
 - 3. Dead Locks: 48 inch.
 - 4. Push Pad Type Exit Devices: 42 inch.
 - 5. Cross Bar Type Exit Devices: 38 inch.
 - 6. Top Hinge: Jamb manufacturer's standard, but not greater than 10 inches from head of frame to center line of hinge.
 - 7. Bottom Hinge: Jamb manufacturer's standard, but not greater than 12 ½ inches from floor to center line of hinge.
 - 8. Intermediate Hinges: Equally spaced between top and bottom hinges and from each other.
 - 9. Hinge mortise on Door Leaf: ¼ inch to 5/16 inch from stop side of door.
- 3.3 Adjusting
 - A. Adjust hardware for smooth operation.
- 3.4 Protection of Installed Construction
 - A. Do not permit adjacent work to damage hardware or hardware finish.
- 3.5 Hardware Items
 - A. Hinges:
 - H-1 Hinges provided by aluminum door manufacturer per 08 41 13.
 - H-2 3 standard weight ball bearing hinges
 - B. Locksets:
 - L-1 Cylinder and Best IC core to match existing key system.
 - L-2 Exit device per 08 41 13 with exit only function and electric latch retraction.

- L-3 Exit device per 08 41 13 with night latch function and electric latch retraction.
- L-4 Von Duprin 98 rim exit device with Chexit 15 second delayed egress, exit only function. Provide power supply.
- L-5 Cylindrical lever lockset, grade 1, classroom function.

C. Closers:

- C-1 Push side overhead door closer per 08 41 13.

D. Miscellaneous:

- M-1 Magnetic door contact switch.
- M-2 3/4" diameter pull per 08 41 13.
- M-3 Power transfer per 08 41 13.
- M-4 Request to exit sensor on push side of doors.
- M-5 Kick plate.
- M-6 Surface overhead door stop / holder, equal to Glynn-Johnson 81H.
- M-7 6" wide x 1/2" high aluminum threshold.
- M-8 Power transfer to exit device.

3.6 Hardware Sets

HS-1	HS-2	HS-3	HS-4
L-1 (2) M-1	H-1 (2) L-1 L-2 L-3 C-1 (2) M-1 (2) M-2 (2) M-3 (2) M-4 M-5 (2)	H-2 L-1 L-4 M-1 M-8	L-1

3.7 Keying

- A. Coordinate keying with owner.

End of Section