DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [2] **Date: May 19, 2022**

RE: **FOREST PARK WINDOW REPLACEMENT**
HOUSING AUTHORITY OF THE CITY OF LA CROSSE
1230 BADGER STREET
LA CROSSE, WISCONSIN 54601
PROJECT NO. 22023

FROM: HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830

To: Prospective Bidders
This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated April 2022. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [2] pages, [2] specification sections, and [3] 30 x 42 drawings.

CHANGES TO PREVIOUS ADDENDA:

1. Section 08 54 13 Fiberglass Windows was revised in Addendum #1.
2. Section 08 71 00 Finish Hardware was revised in Addendum #1.
3. Sheets A200, A201 & A601 were revised in Addendum #1.

CHANGES TO SPECIFICATIONS:

4. <u>Section 08 54 13 Fiberglass Windows</u>
    a. Revised section attached hereto
    b. Revised 1.01A to identify both fixed and hung windows.
    c. Revised 2.03A to identify performance class for fixed and hung windows.
    d. Added 2.06B to require window opening control devices on windows on floors 2 through floor 9.

5. <u>Section 08 71 00 Finish Hardware</u>
    a. Revised section attached hereto
    b. Revised 2.01 to list NABCO as an acceptable manufacturer for Auto Operators.
    c. Revised 2.08 A to list NABCO GT500 & GT8500 as acceptable Operators.

CHANGES TO DRAWINGS

1. <u>Sheet A200 Exterior Elevations</u>
    a. Revised 30 x 42 sheet attached hereto
    b. See clouded changes.
    c. Revised elevations to show changes to first floor fixed windows.

2. Sheet A201 Exterior Elevations
    a. Revised 30 x 42 sheet attached hereto
    b. See clouded changes.
    c. Revised elevations to show changes to first floor fixed windows.
3. Sheet A601 Door Schedule and Details
    a. Revised 30 x 42 sheet attached hereto
    b. See clouded changes.
    c. Revised elevation 1A601 to clarify that windows are mulled together and to remove horizontal dividers on the fixed/picture window.

END OF DOCUMENT 00 90 00

SECTION 08 54 13
FIBERGLASS WINDOWS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Factory fabricated fiberglass windows with fixed and operating sash.

B. Factory glazed.

C. Insect screens.

1.02 RELATED REQUIREMENTS

A. Section 06 20 00 - Finish Carpentry: Wood trim.

B. Section 08 32 00 - Sliding Glass Doors: Coordinate manufacturer

1.03 REFERENCE STANDARDS

A. AAMA/WDMA/CSA 101/I.S.2/A440 - North American Fenestration Standard/Specification for windows, doors, and skylights; 2011.

B. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Review Submittals - Preparatory
   1. Product Data: Provide component dimensions, anchors, fasteners, glass, and internal drainage details.
   2. Shop Drawings: Indicate opening dimensions, framed opening tolerances, affected related work, installation requirements.
   3. Grade Substantiation: Prior to submitting shop drawings or starting fabrication, submit one of the following showing compliance with specified grade:
      a. Evidence of AAMA Certification.
      b. Evidence of WDMA Certification.
      c. Evidence of CSA Certification.
      d. Test report(s) by independent testing agency itemizing compliance and acceptable to authorities having jurisdiction.

C. Review Submittals - Samples
   1. Verification Samples: Submit sample of window corner/frame section.
   2. Selection Samples: Sample set of fiberglass materials for evaluating color and finish.

D. Information Submittals - Preparatory
   1. Manufacturer's Certificate: Certify that products of this section meet or exceed specified requirements.

E. Grade Substantiation: Prior to submitting shop drawings or starting fabrication, submit one of the following showing compliance with specified grade:
   1. Evidence of AAMA Certification.
   2. Evidence of WDMA Certification.
   3. Evidence of CSA Certification.
   4. Test report(s) by independent testing agency itemizing compliance and acceptable to authorities having jurisdiction.

F. Closeout Submittals
   1. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.

B. Provide products in this section from the same manufacturer as products in Section 08 32 00.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Protect finished surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond when exposed to sunlight or weather.

B. Jig, brace, and box the window frame assemblies for transport to minimize flexing of members or joints.

1.07 FIELD CONDITIONS

A. Do not install sealants when ambient temperature is less than 40 degrees F.

B. Maintain this minimum temperature during and after installation of sealants.

1.08 WARRANTY

A. Correct defective Work within a one year period after Date of Substantial Completion.

B. Provide ten year manufacturer warranty for insulated glass units from seal failure, interpane dusting or misting, and replacement of same. Include coverage for degradation of color finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Fiberglass Windows:
   1. Pella Corporation; Pella Impervia Windows: www.pellacommercial.com/#sle.
   2. Marvin Essential All Ultrex.

2.02 WINDOW UNITS

A. Fiberglass Windows: Hollow, tubular, multi-layer fiber reinforced material; factory fabricated; with vision glass, related flashings, anchorage and attachment devices.
   1. Configuration: As indicated on drawings .
   2. Product Type: FW - Fixed window and H - Hung window, vertically sliding in accordance with AAMA/WDMA/CSA 101/I.S.2/A440.
   3. Color: Dark brown/broze.
   4. Movement: Accommodate movement between window and perimeter framing and deflection of lintel, without damage to components or deterioration of seals.
   5. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.

2.03 PERFORMANCE REQUIREMENTS

A. Grade: AAMA/WDMA/CSA 101/I.S.2/A440 requirements for specific window type:
   1. Performance Class (PC): LC or CW.
   2. Performance Grade (PG): Equivalent to or greater than design wind load.

B. Design Pressure (DP): In accordance with applicable codes.

C. Air Leakage: 0.1 cfm/sq ft maximum leakage when tested at 6.27 psf pressure difference in accordance with ASTM E283/E283M.

2.04 COMPONENTS

A. Frame Size: Manufacturer's standard.

B. Insect Screen Frame: Rolled aluminum frame of rectangular sections; fit with adjustable hardware; nominal size similar to operable glazed unit.

C. Fasteners: Stainless steel.

D. Sealant for Setting Sills and Sill Flashing: Non-curing butyl type.

2.05 GLASS AND GLAZING MATERIALS

A. Insulating glass, high performance low-e with argon gas.

B. Factory glazed, manufacturer's standard installation.

C. Ground floor windows shall be tempered glass both panes, both sashes. Windows at all upper floors shall have tempered interior pane, float glass exterior pane, both sashes.

2.06 HARDWARE

A. Double Hung Sash: Metal and nylon spiral friction slide cylinder, each sash, each jamb.
   1. Sash Lock: Manufacturer's standard.

B. Window Opening Control Devices (WOCD): Provide operable window sash hardware that limits openings to only allow passage of 4 inch diameter rigid sphere or less, and are easily releasable to fully open without use of keys, tools, or special knowledge.
   1. WOCDs shall be provided on all windows on floors 2 through 9.

2.07 FABRICATION

A. Fabricate components with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.

B. Arrange fasteners to be concealed from view.

C. Permit internal drainage weep holes and channels to migrate moisture to exterior. Provide internal drainage of glazing spaces to exterior through weep holes.

D. Double weatherstrip operable units.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install windows in accordance with manufacturer's instructions.

B. Attach window frame and shims to perimeter opening to accommodate construction tolerances and other irregularities.

C. Align window plumb and level, free of warp or twist. Maintain dimensional tolerances and alignment with adjacent work.

D. Provide thermal isolation where components penetrate or disrupt building insulation. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.

3.02 ADJUSTING

A. Adjust hardware for smooth operation and secure weathertight closure.

3.03 CLEANING

A. Remove protective material from pre-finished surfaces.

B. Wash surfaces by method recommended and acceptable to window manufacturer; rinse and wipe surfaces clean.

END OF SECTION

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SECTION 08 71 00

FINISH HARDWARE

PART 1: GENERAL

1.01 RELATED DOCUMENTS

A. Conditions of the Contract and portions of Division One of this Project Manual apply to this Section as though repeated herein.

1.02 WORK INCLUDED

A. Furnish all finish hardware specified herein, listed in the hardware schedule, or required by the drawings.

B. Where items of hardware are not definitely or correctly specified and are required for the intended service, such omission, error, or other discrepancy should be directed to the Architect prior to the bid date for clarification by addendum. Otherwise, furnish such items in the type and quantity established by this specification for the appropriate service intended.

1.03 RELATED WORK

A. Section 08 16 13 – Fiberglass Doors

B. Section 08 43 13 – Aluminum-Framed Storefronts: All hardware including cylinders to be supplied by 08 71 00. Manufacturer's standard weatherstrip and sweeps shall be supplied by aluminum door and frame supplier.

C. Division 26-28 – Electrical & Access Control

1.04 REFERENCES

A. A.D.A. - Americans with Disabilities Act.

B. ANSI ICC A117.1-2009: Specifications for making facilities accessible.

C. NFPA 80 - Standards For Fire Doors and Windows.

D. NFPA 101 - Life Safety Code.

E. U.L. - Building Material Directory.

F. D.H.I. - Recommended Locations for Architectural Hardware.

G. Applicable State and Local Building Codes, including IBC 2009.

1.05 SUBMITTALS

A. Submit five (5) copies of a detailed hardware schedule, vertical format. Prepare under the supervision of an AHC, registered Architectural Hardware Consultant, and under provisions of Division One.

1. Itemize hardware in the sequence and format established by this specification.
2. List and describe each opening separately. Include all doors with identical hardware, except hand, in a single heading. Include door number, room designations, degree of swing, and hand.
3. List related details. Include dimensions, door and frame material, and other considerations affecting hardware.
4. List all hardware items to be supplied. Include manufacturer's name, quantity, product name, catalog number, size, finish, attachments, and related details where applicable.
5. Resubmit five (5) copies of the corrected schedule when required.

B. Keying Schedule: After receipt of approved hardware schedule submit a copy of keying schedule as a result of a keying meeting between the Owner and the hardware supplier.

C. Samples: If so directed by the Architect, submit samples of finish hardware items for approval. Properly identify each sample as to make and number, and furnish in the specified finish.

D. Templates: Furnish a copy of approved hardware schedule, along with applicable templates for factory-prepared hardware to each door and frame fabricator.

E. Electrical Hardware: Submit electrical specifications and applicable information to the electrical contractor after receipt of the approved hardware schedule.

F. Substitutions: Submit under provisions of Division One. Provide detailed information and catalog cuts indicating the comparison to the specified hardware. If requested by the Architect, provide a sample accompanied by a sample of the specified item for comparison.

1.06 QUALITY ASSURANCE

A. Qualifications:
1. Manufacturer: Except where specified in the hardware schedule, furnish products of only one manufacturer for each type of hardware.
2. Supplier: A company experienced in the builders' hardware industry for a minimum of two (2) years, and can call upon an AHC, registered Architectural Hardware Consultant, for consultation during the full extent of the project

B. Regulatory Requirements:
1. Furnish UL or Warnock Hersey listed hardware for all fire labeled and 20 minute openings in conformance with requirements for class of opening scheduled, whether specifically called for in this specification or not.
2. Furnish hardware that conforms to all applicable state and local building codes, including IBC 2000 positive pressure testing requirements. Where specified hardware is not in conformance with applicable codes, such omission or error should be directed to the Architect prior to the bid date for clarification by addendum; otherwise furnish hardware as required by code.

C. Training and Inspection:
1. Hold pre-installation meeting to coordinate training of installation personnel. Installers shall be trained by manufacturer’s representative.
2. Manufacturer’s representative shall inspect installation of hardware as part of substantial completion requirements.

1.07 DELIVERY, STORAGE AND HANDLING

A. Deliver, store and handle in accordance with Division One. Mark each original container with a door number that corresponds to the approved hardware schedule for the installation location.

B. Receive, inventory and store hardware in a secure and dry environment; protect against loss and damage.

C. Report any shortages to the hardware supplier no later than 48 hours after receipt of delivery to the job site.

D. Stockpile items sufficiently in advance to ensure their availability. Coordinate delivery, handling, and installation of hardware items to ensure orderly progress of total work, and minimize or eliminate losses and damage.

PART 2: PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

Products	Specified	Acceptable
Hinges	PBB	Stanley, McKinney, Hager
Locks and Latches	BEST	NO SUB
Push/Pull Latches	Rockwood	Trimco, Burns, Hager
Exit Devices	Precision	
Door Closers	Stanley	LCN
Auto Operators	Stanley	Dorma, Nabco
Protective Plates	Rockwood	Burns, Hager
Overhead Stops/Holders	ABH	Dorma, Glynn Johnson
Wall Stops/Floor Stops	Rockwood	Trimco, Hager, DCI
Thresholds, Sweeps, Weatherstrip	Reese	National Guard Products, Pemko

2.02 HINGES

A. Acceptable manufacturers and respective catalog numbers:

Description	P.B.B.	Stanley	McKinney	Hager
Std. Wt. Plain Bearing - Steel	PB81	F179	T2714	1279
Std. Wt. Ball Bearing - Steel	BB81	FBB179	TA2714	BB1279
Std. Wt. Ball Bearing -non ferrous	BB21/BB51	FBB191	TB2314	BB1191
Hvy. Wt. Ball Bearing Steel	4B81	FBB168	T4B3786	BB1168
Hvy. Wt. Ball Bearing – non ferrous	4B21/4B51	FBB179	T4B3386	BB1199

B. Hinges supplied must be tested and comply with ANSI/BHMA standards for consistency, wear and corrosion resistance.

C. Quantity: Furnish hinges for each door leaf as follows, unless otherwise noted in groups:
1. Doors up to and including 90" high - 3 hinges.
2. Doors over 90" high through 120" high - 4 hinges.

D. Type: Furnish as follows, unless otherwise noted in groups:
1. Standard weight, plain bearing hinge for interior openings through 36" wide without a door closer.
2. Standard weight, ball bearing hinge for interior openings over 36" through 40" wide with a door closer, and for interior openings through 40" wide with a door closer.
3. Heavy weight, four ball bearing hinge for all exterior openings unless noted in groups.

E. Size: Furnish as follows, unless otherwise noted in groups:
1. 1 3/4" doors: 4-1/2" x 4-1/2"
2. Provide proper hinge width to clear trim and allow full 180° swing.

F. Hinges for all lockable doors opening outward shall have non-removable pin (NRP). All other hinges shall have non-rising pins.

2.03 LOCKS AND LATCHES

A. Acceptable manufacturers and respective catalog numbers:

Description	Best
Cylinders	Rim and Mortise 1E

B. Furnish lock types and functions as specified in the hardware schedule, and as follows:
1. Provide 2-3/4" backset.
2. Provide 2-3/4" x 1-1/8" “T” strike with a dust box for use in wood doors or frames.
3. Provide 4-7/8" x 1-1/4" ANSI strike for installation in a hollow metal door or frame.
4. Locksets to conform to ANSI A156.2, Series 4000, Grade 1 and be UL listed.

2.04 EXIT DEVICES

A. Acceptable manufacturers and respective catalog numbers:

Description	Precision
Wide Stile Rim	2100
Wide Stile Surf. Vert. Rod	2200
Wide Stile Conc. Vert. Rod	2800
Wide Stile Mortise	2300
Narrow Stile Rim	2400
Narrow Stile Conc. Vert. Rod	2600

B. Furnish exit device types and functions as specified in the hardware schedule.

C. Lever handles supplied with exit devices shall match the design specified for locks and latches.

2.05 PULLS, PUSHBARS, PUSH/PULL PLATES

A. Acceptable manufacturers and respective catalog numbers:

Description	Rockwood	Trimco	Burns

B. Supply product as listed in groups or equal to acceptable manufacturers.

2.06 DOOR CLOSERS

A. Acceptable manufacturers and respective catalog numbers:

Description	LCN	STANLEY
Heavy Duty Reg. Arm	4041	QDC SERIES
Heavy Duty Parallel Arm	4041 EDA	
Heavy Duty Stop Arm	4041 CUSH	

B. Furnish complete with mounting brackets, drop plates, spacers, special shoes, and thru bolts as may be required by the door and frame conditions.

2.07 PROTECTIVE PLATES

A. Acceptable manufacturers: Rockwood, Trimco, Burns, Hager.

B. All kickplate heights shall be as listed in groups and 2" less door width single doors and 1" less for pairs.

C. Thickness shall be .050" (16 gauge).

2.08 LOW ENERGY AUTOMATIC OPERATORS

A. Acceptable manufacturers and respective catalog numbers:

Description	STANLEY	Dorma	Larco	NABCO
Operator -	D4990	ED090		GT500 & GT8500
Hard Wired Wall Switch	AS REQ			
Wireless Wall Switch	CL4990 KIT	see Larco	4R1R4 & J01J4	
Wireless Receiver	CL4990 KIT	see Larco	233804	

B. Provide arms, mounting plates, sizes, stops, and any component that may be necessary to interface with electrified hardware that are required for complete and proper operation of the openings affected. Completed installation must meet or exceed requirements of ANSI A159.19.

C. Provide actuators as detailed in groups.

D. Conduit, electrical back boxes, wiring, and 120 VAC input power by Division 16 - Electrical.

2.09 OVERHEAD STOPS/HOLDERS

A. Acceptable manufacturers and respective catalog numbers:

Description	A.B.H.	Dormakaba	Glynn Johnson
Heavy Duty Surface	9000	900	90
Heavy Duty Concealed	1000	910	100
Standard Duty Surface	4400	700	450
Standard Duty Concealed	4000	710	410

B. Furnish an overhead stop if a door opens against equipment, casework, sidelights, or other objects that would make wall bumpers inappropriate, and as specified in the hardware groups.

2.10 WALL STOPS

A. Acceptable manufacturers and respective catalog numbers:

Description	Rockwood	Hager
Wrought Convex Wall	407	232W
Wrought Concave w/Toggle	409	237W

B. When "wall stop" is called for in hardware group, provide 407 or 409. When overhead stops are required, they will be specified by product number in the group.

C. Wall stops shall not be mounted to casework, cabinet work, sidelights, or equipment.

2.11 THRESHOLDS, SWEEPS, WEATHERSTRIP, DRIP CAPS, GASKET, ASTRAGALS

A. Acceptable manufacturers and respective catalog numbers:

Description	Reese	Pemko	National Guard
Threshold	S205	171A	425A
Sweep	323	315N	200N
Sweep	967	18133CP	OV633
Weatherstrip	970	45100CP	603
Weatherstrip	DS78	315CR	130N
Gasket	797B	S88	1010

B. Where specified in groups, furnish the above products unless otherwise detailed.

2.12 DOOR HARDWARE FINISHES

A. Unless indicated otherwise in the groups provide finishes as follows:

1. Hinges, exterior:	US32D
2. Hinges, interior:	US26D
3. Flush Bolts:	US26D
4. Exit Devices:	US32D
5. Locks and Latches:	US26D
6. Pulls, Pushbars, Push/Pull:	US32D
7. Door Closers:	Painted Aluminum
8. Low Energy Automatic Operators:	Painted Aluminum
9. Protective Plates:	US32D
10. Overhead Stops:	Painted Aluminum
11. Wall Stops:	US32D
12. Gasket:	Black
13. Thresholds:	Mill Aluminum
14. Weatherstrip, Sweeps:	Clear Anodized Aluminum

2.13 KEYING

A. The Hardware Supplier, in consultation with the Owner's authorized representative, shall prepare a detailed keying schedule. A copy of the final approved keying schedule bearing the signature of approval of the Owner's Representative shall be filed with the Architect. All locks shall be keyed into the same system as is used on the existing building.

B. Key locks in sets or subsets, master key and grand master key as directed by Owner.

C. Furnish the required number of keys for each keyed group in quantity as directed by the Owner.

D. Grand master and master keys shall be delivered by registered mail direct from the manufacturer to the Owner.

PART 3: EXECUTION

3.01 EXAMINATION

A. Examine doors, frames, and related items for conditions that would prevent the proper application of finish hardware. Do not proceed until defects are corrected.

3.02 INSTALLATION

A. Install each hardware item in strict compliance with the manufacturer's printed instructions and recommendations, using only fasteners supplied by, or called for by the manufacturer.

B. Set units level, plumb and true to the line and location. Prepare and reinforce the attachment substrate as necessary for proper installation and operation.

C. Mortise and cut to close tolerance and conceal evidence of cutting in the finished work. Drill and countersink units which are not factory prepared for anchorage fasteners.

D. If manufacturer’s instructions do not call out a mounting location, refer to the Door and Hardware Institute's publication *Recommended Locations for Architectural Hardware.*

E. Deliver to the Owner one (1) complete set of installation and adjustment instructions, as well as

all tools that were furnished with the hardware.

3.03 ADJUSTMENT AND CLEANING

A. At final completion, adjust and check each operating item of hardware at each door to ensure proper operation and function of every unit. Lubricate any moving parts that do not operate freely, smoothly, and quietly using only lubricant as recommended by the manufacturer of the hardware item. Replace units that cannot be adjusted or lubricated to operate properly.

B. Instruct the Owner's personnel in the proper adjustments of the hardware as needed.

C. Clean and restore hardware to the original finish.

3.04 HARDWARE SCHEDULE

FOREST PARK WINDOW REPLACEMENT

HARDWARE GROUP 1
EACH SINGLE PATIO SLIDING DOOR TO HAVE:
DR.103

ALL HARDWARE BY SLIDING DOOR MANUFACTURER

HARDWARE GROUP 2
EACH SINGLE ALUM DOOR TO HAVE:
DR.117.1

1 EA	CONTINUOUS HINGE	BY ALUM FRAME/DR SUPPLIER	
1 EA	PUSH/PULL COMBO	BF15747 US32D	ROCKWOOD
1 EA	AUTO OPERATOR	D-4990 689	STANLEY
1 EA	NARROW WIRELESS ACTUATOR	8310-3818TWS	LCN
1 EA	WIDE WIRELESS ACTUATOR	8310-3856WS	LCN
1 EA	RECIEVER	8310-865	LCN
1 EA	THRESHOLD	S425A40	REESE
1 EA	SWEEP AND WEATHERSTRIP	BY ALUM SUPPLIER	

HARDWARE GROUP 3
EACH SINGLE ALUM DOOR TO HAVE:
DR.117.2

1 EA	CONTINUOUS HINGE	BY ALUM FRAME/DR SUPPLIER	
1 EA	EXIT DEVICE	2103 X CA03 626W or 630	PRECISION
1 EA	RIM CYLINDER	12E72 626	BEST
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	AUTO OPERATOR	D-4990 689	STANLEY
1 EA	NARROW WIRELESS ACTUATOR	8310-3818TWS	LCN
1 EA	RECIEVER	8310-865	LCN
1 EA	ELECTRIC STRIKE	6300 US32D	VONDUPRIN
1 EA	LATCH GUARD	LG1 US32D	IVES
1 EA	THRESHOLD	S425A40	REESE
1 EA	SWEEP AND WEATHERSTRIP	BY ALUM SUPPLIER	

REUSE EXISTING KEYSWITCH AND BOX AND REHOOK TO NEW AUTO OPERATOR AND ELECTRIC STRIKE. UTILIZE EXISTING POWER SUPPLY TO POWER NEW ELEC STRIKE.

HARDWARE GROUP 4
EACH SINGLE ALUM DOOR TO HAVE:
DR.H100

1 EA CONTINUOUS HINGE	BY ALUM FRAME/DR SUPPLIER	
1 EA EXIT DEVICE	2103 X CA03 626W or 630	PRECISION
1 EA RIM CYLINDER	12E72 626	BEST
1 EA OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA AUTO OPERATOR	D-4990 689	STANLEY
1 EA WIDE WIRELESS ACTUATOR	8310-3856WS	LCN
1 EA RECIEVER	8310-865	LCN
1 EA ELECTRIC STRIKE	6300 US32D	VONDUPRIN
1 EA LATCH GUARD	LG1 US32D	IVES
1 EA THRESHOLD	S425A40	REESE
1 EA SWEEP AND WEATHERSTRIP	BY ALUM SUPPLIER	

REUSE EXISTING KEYSWITCH AND BOX AND REHOOK TO NEW AUTO OPERATOR AND ELECTRIC STRIKE. UTILIZE EXISTING POWER SUPPLY TO POWER NEW ELEC STRIKE.

HARDWARE GROUP 5
EACH PAIR OF FRP/ALUM DOORS TO HAVE:
DR.125.1/125.2

8 EA HINGES	FBB199 4.5 X 4.5 630 NRP	STANLEY
1 EA STOREROOM LOCK	9K37D15D S3 626	BEST
2 EA CLOSER	QDC120 689	STANLEY
2 EA DROP PLATE	8QOO470 689	STANLEY
2 EA BLADE STOP	4110-30 689	LCN
2 EA CUSH SHOE SUPPORT	4110-61 689	LCN
2 EA FLUSHBOLTS(1 W/24” TOP ROD)	FB458 26D	IVES
1 EA DUST PROOF STRIKE	DP2 626	IVES
1 EA LATCH GUARD	320CXL US32D	ROCKWOOD
2 EA BRUSH ASTRAGALS	964C96	REESE
2 EA SWEEPS	323C40	REESE
1 EA THRESHOLD	S425A80	REESE
1 EA WEATHERSTRIP	BY ALUM FR SUPPLIER	

HARDWARE GROUP 6
EACH PAIR OF FRP/ALUM DOORS TO HAVE:
DR.1001.1/1001.2

6 EA HINGES	FBB199 4.5 X 4.5 630 NRP	STANLEY
1 EA STOREROOM LOCK	9K37D15D S3 626	BEST
2 EA CLOSER	QDC120 689	STANLEY
2 EA DROP PLATE	8QOO470 689	STANLEY
2 EA BLADE STOP	4110-30 689	LCN
2 EA CUSH SHOE SUPPORT	4110-61 689	LCN
2 EA SURFACE BOLTS	SB453US26D-8-TB	IVES
1 EA LATCH GUARD	320CXL US32D	ROCKWOOD
2 EA BRUSH ASTRAGALS	964C80	REESE
2 EA SWEEPS	323C24	REESE
1 EA THRESHOLD	S425A48	REESE
1 EA WEATHERSTRIP	BY ALUM FR SUPPLIER	

HARDWARE GROUP 7
EACH SINGLE FRP/ALUM DOOR TO HAVE:
DR.A.1, B, C

4 EA HINGES	FBB199 4.5 X 4.5 630 NRP	STANLEY
1 EA STOREROOM LOCK	9K37D15D S3 626	BEST
1 EA CLOSER	QDC119 689	STANLEY
1 EA DROP PLATE	8QOO470 689	STANLEY
1 EA BLADE STOP	4110-30 689	LCN
1 EA CUSH SHOE SUPPORT	4110-61 689	LCN
1 EA LATCH GUARD	320CXL US32D	ROCKWOOD
1 EA SWEEPS	323C40	REESE
1 EA THRESHOLD	S425A40	REESE
1 EA WEATHERSTRIP	BY ALUM FR SUPPLIER	

HARDWARE GROUP 8
EACH SINGLE FRP/ALUM DOOR TO HAVE:
DR.A.2

4 EA HINGES	FBB199 4.5 X 4.5 630 NRP	STANLEY
1 EA STOREROOM LOCK	9K37D15D S3 626	BEST
1 EA CLOSER	QDC119 689	STANLEY
1 EA DROP PLATE	8QOO470 689	STANLEY
1 EA BLADE STOP	4110-30 689	LCN
1 EA CUSH SHOE SUPPORT	4110-61 689	LCN
1 EA LATCH GUARD	320CXL US32D	ROCKWOOD
1 EA WEATHERSTRIP(4 SIDES)	BY ALUM FR SUPPLIER	

HARDWARE GROUP 9
EACH SINGLE ALUM DOOR TO HAVE:
DR.H101

1 EA CONTINUOUS HINGE	BY ALUM FRAME/DR SUPPLIER	
1 EA EXIT DEVICE	2103 X CA03 626W or 630	PRECISION
1 EA RIM CYLINDER	12E72 626	BEST
1 EA OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA CLOSER	QDC119 689	STANLEY
1 EA DROP PLATE	8QOO470 689	STANLEY
1 EA BLADE STOP	4110-30 689	LCN
1 EA CUSH SHOE SUPPORT	4110-61 689	LCN
1 EA LATCH GUARD	LG1 US32D	IVES
1 EA THRESHOLD	S425A40	REESE
1 EA SWEEP AND WEATHERSTRIP	BY ALUM SUPPLIER	

END OF SECTION 08 71 00

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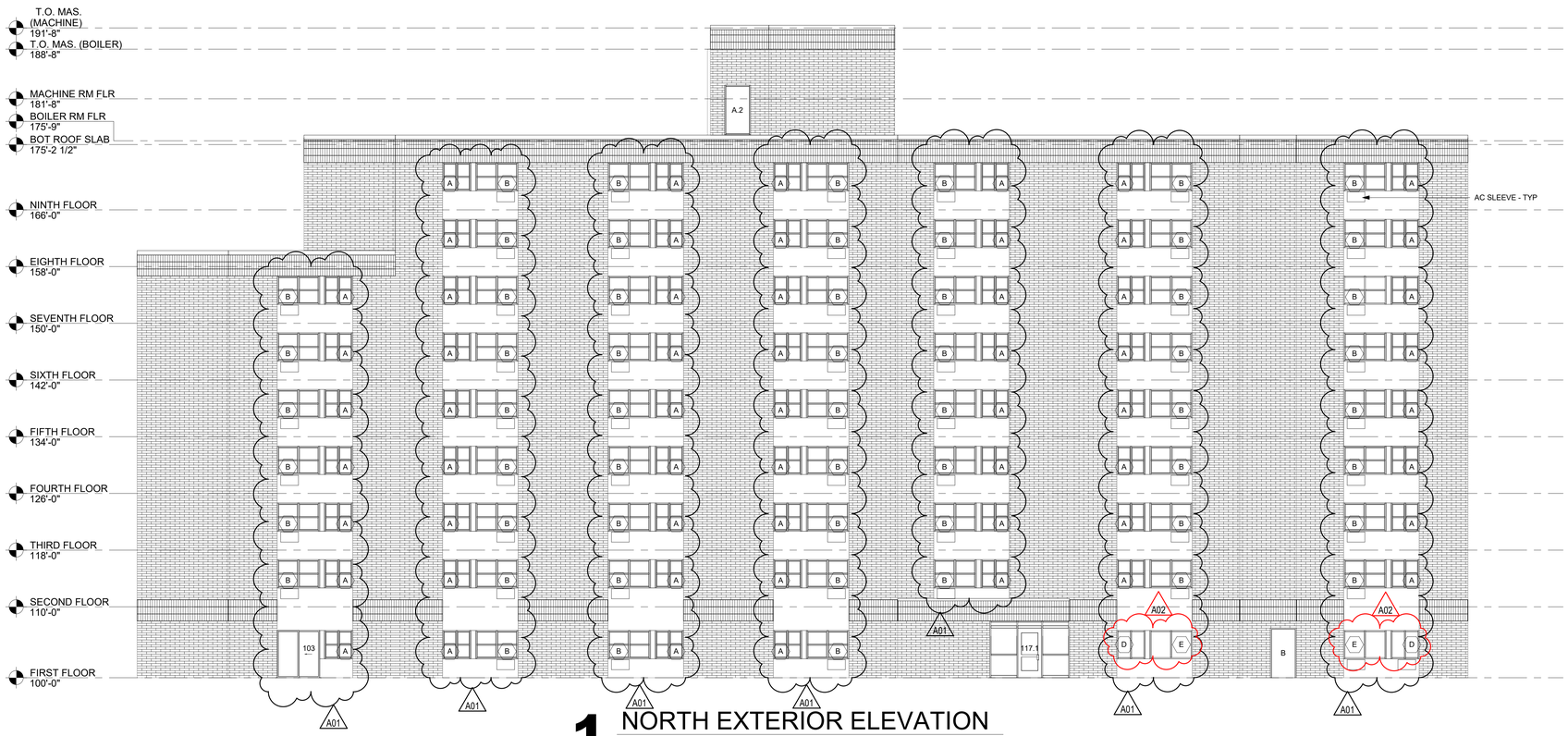
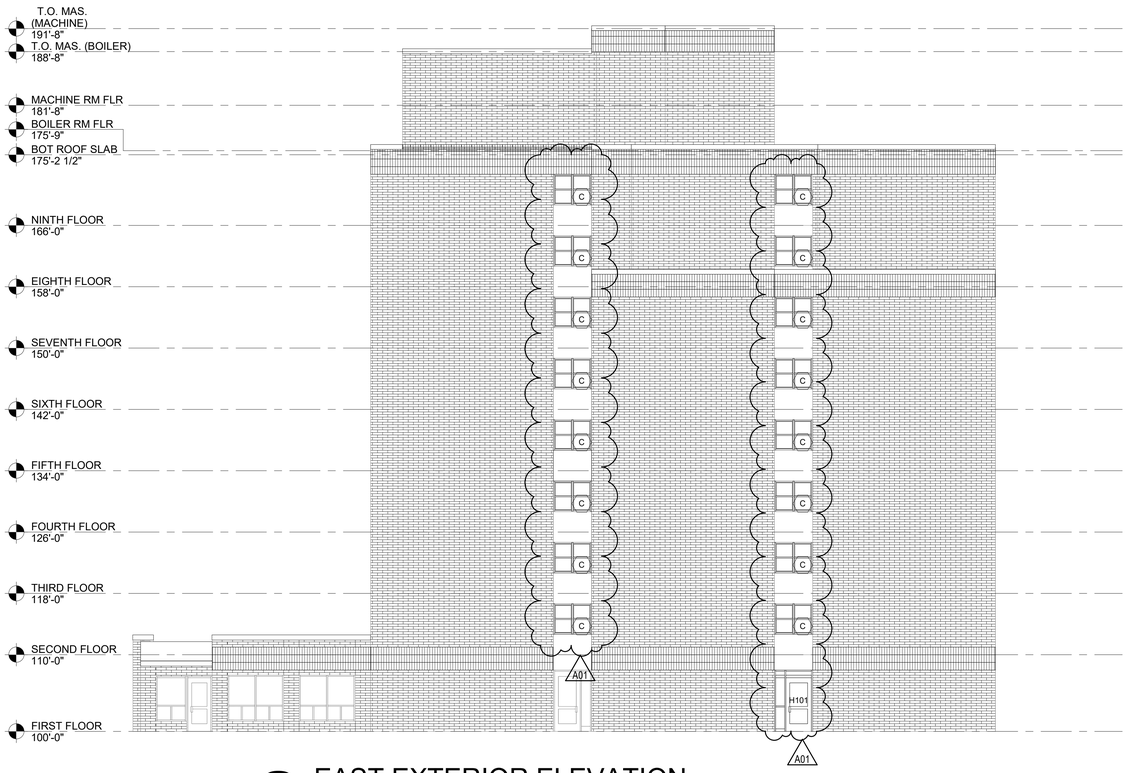


1 NORTH EXTERIOR ELEVATION

1/8" = 1'-0"



2 EAST EXTERIOR ELEVATION

1/8" = 1'-0"

ELEVATION GENERAL NOTES:

A. SEE SHEET A601 FOR WINDOW TYPES.
B. CLEAN, PREP AND PAINT ALL EXPOSED STEEL LINTELS. MATCH EXISTING COLOR.

ELEVATION LEGEND:

WINDOW TAG - SEE SHEET **A601** FOR FRAME ELEVATIONS

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
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www.hsrassociates.com

Consultant:

Project Title: **HOUSING AUTHORITY OF THE CITY OF LA CROSSE**
FOREST PARK WINDOW REPLACEMENT

Project Location: 1230 BADGER STREET
LA CROSSE, WISCONSIN 54601

Sheet Title: **EXTERIOR ELEVATIONS**

HSR Project Number: **22023**

Project Date: **APRIL 2022**

Drawn By: **JTD**

Key Plan:

Revisions:

No.	Description	Date
A01	ADDENDUM #1	05/17/2022
A02	ADDENDUM #2	05/19/2022

Graphic Scale: **VARIES**

Last Update: **5/19/2022 8:18:24 AM**

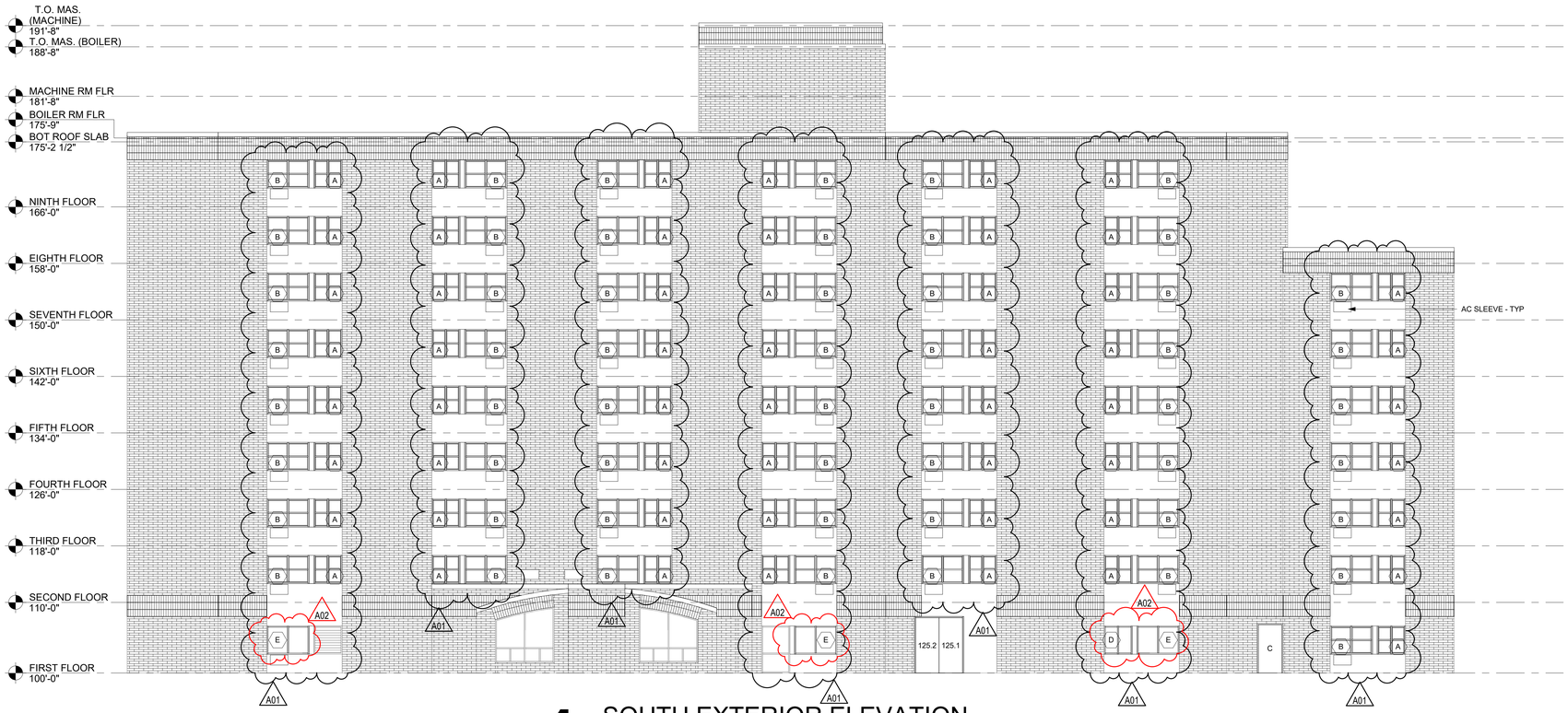
A200

ELEVATION GENERAL NOTES:

A. SEE SHEET A601 FOR WINDOW TYPES.
B. CLEAN, PREP AND PAINT ALL EXPOSED STEEL LINTELS. MATCH EXISTING COLOR.

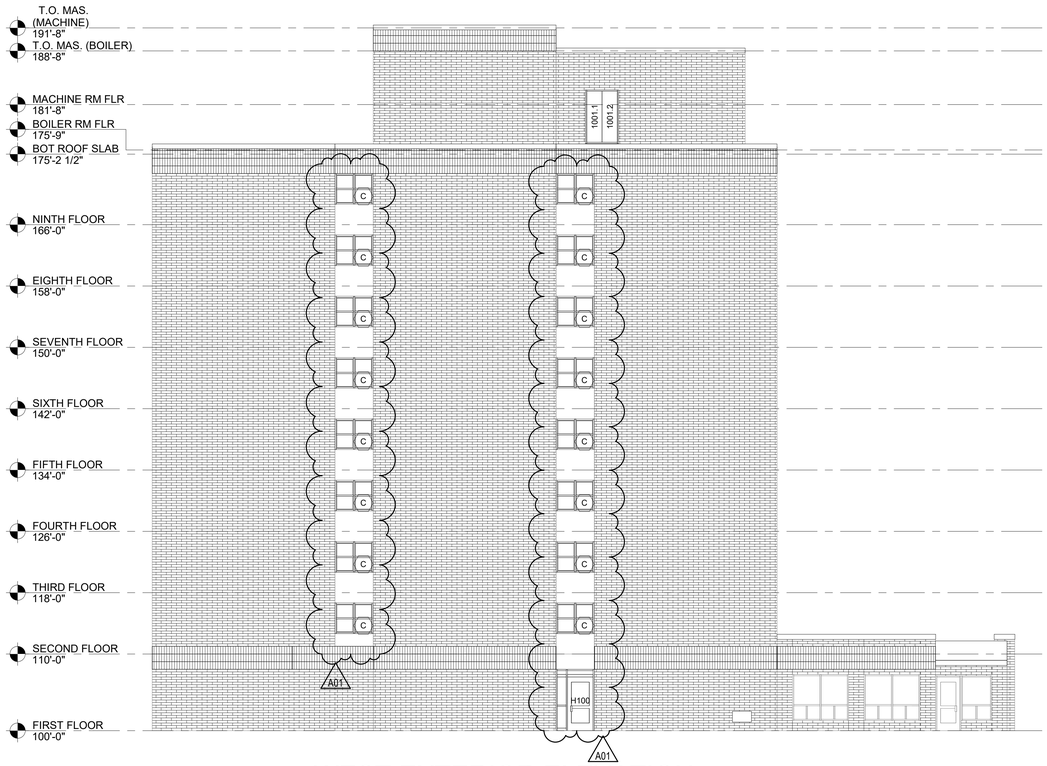
ELEVATION LEGEND:

WINDOW TAG - SEE SHEET **A601** FOR FRAME ELEVATIONS



1 SOUTH EXTERIOR ELEVATION

1/8" = 1'-0"



2 WEST EXTERIOR ELEVATION

1/8" = 1'-0"

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Project Location: **1230 BADGER STREET**
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HSR Project Number: **22023**

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Key Plan:

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Last Update: **5/19/2022 8:18:25 AM**

A201

DOOR SCHEDULE

DOOR NO.	DOOR SIZE W	DOOR SIZE H	DOOR SIZE T	DOOR MAT'L	DOOR TYPE	DOOR GLASS TYPE	DOOR U-CUT OR LOUVER	FRAME MAT'L	FRAME ELEV	FRAME DEPTH	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	FIRE LABEL	HDWR GROUP	REMARKS
103	6' - 0"	6' - 8"	1 3/4"	FG	SLIDING	INSULATED GLASS	- - -	FG	MM	4 3/4"	11A601	12A601	14A601	- - -	1	3
117.1	3' - 4"	7' - 0"	1 3/4"	ALUM	E	GLT-13	- - -	ALUM	KK	4 1/2"	17A601	19 & 20A601	18A601	- - -	2	1,2
117.2	3' - 4"	7' - 0"	1 3/4"	ALUM	E	GLT-4	- - -	ALUM	KK	4 1/2"	21A601	19 & 22A601	- - -	- - -	3	1,2,4
125.1	3' - 4"	7' - 10"	1 3/4"	FG	A	- - -	- - -	ALUM	AA	4 1/2"	17A601	23A601	18A601	- - -	5	
125.2	3' - 4"	7' - 10"	1 3/4"	FG	A	- - -	- - -	ALUM	AA	4 1/2"	17A601	23A601	18A601	- - -	5	
1001.1	2' - 0"	6' - 8"	1 3/4"	FG	A	- - -	- - -	ALUM	JJ	4 1/2"	24A601	26A601	25A601	- - -	6	
1001.2	2' - 0"	6' - 8"	1 3/4"	FG	A	- - -	- - -	ALUM	JJ	4 1/2"	24A601	26A601	25A601	- - -	6	
A.1	3' - 4"	7' - 2"	1 3/4"	FG	A	- - -	- - -	ALUM	AA	6"	27A601	3A602	1A602	- - -	7	
A.2	3' - 4"	6' - 8"	1 3/4"	FG	A	- - -	- - -	ALUM	JJ	4 1/2"	24A601	26A601	25A601	- - -	7	
B	3' - 4"	6' - 10"	1 3/4"	FG	A	- - -	- - -	ALUM	AA	4 1/2"	28A601	23A601 & 2A602	18A601	- - -	7	
C	3' - 4"	6' - 10"	1 3/4"	FG	A	- - -	- - -	ALUM	AA	4 1/2"	28A601	23A601 & 2A602	18A601	- - -	7	
H100	3' - 4"	7' - 0"	1 3/4"	ALUM	E	GLT-13	- - -	ALUM	LL	4 1/2"	4A602	5 & 6A602	18A601	- - -	4	1,2,4
H101	3' - 4"	7' - 0"	1 3/4"	ALUM	E	GLT-13	- - -	ALUM	LL	4 1/2"	4A602	5 & 6A602	18A601	- - -	9	

DOOR SCHEDULE GENERAL NOTES

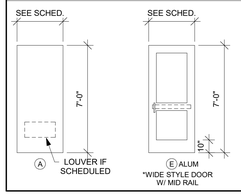
FG = FIBERGLASS ALUM = ALUMINUM

A. SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS.
B. ALL DOUBLE DOORS TO HAVE TWO EQUAL LEAFS UNLESS NOTED OTHERWISE.

DOOR SCHEDULE REMARKS

1. AUTO OPERATOR REQUIRED.
2. REUSE EXISTING KEY SWITCH.
3. SLIDING GLASS DOOR.
4. ELECTRIC STRIKE REQUIRED.

DOOR TYPES

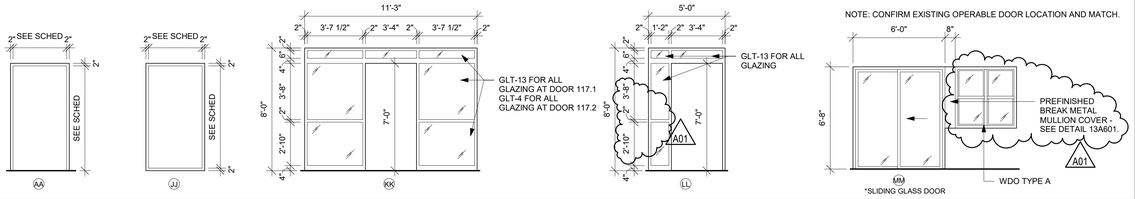


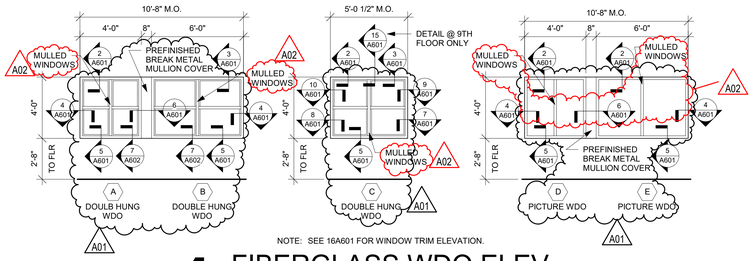
DOOR FRAME GENERAL NOTES

FG = FIBERGLASS ALUM = ALUMINUM

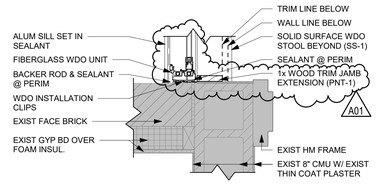
A. SEE SHEET A601 FOR ADDITIONAL FRAME TYPES.
B. FIELD VERIFY ALL DOOR OPENING DIMENSIONS.

DOOR FRAME TYPES

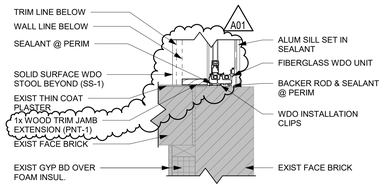




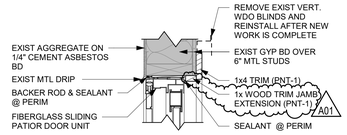
1 FIBERGLASS WDO ELEV
1/4" = 1'-0"



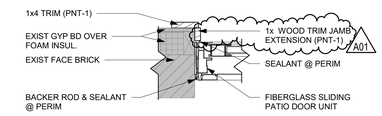
9 WDO JAMB DETAIL
1 1/2" = 1'-0"



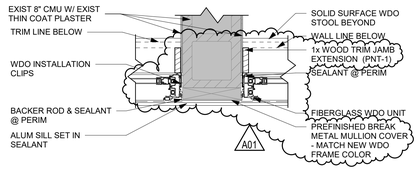
10 WDO JAMB DETAIL
1 1/2" = 1'-0"



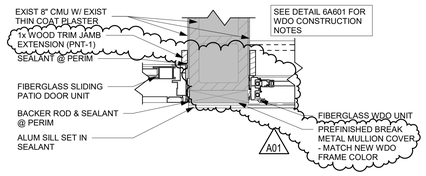
11 DOOR HEAD DETAIL
1 1/2" = 1'-0"



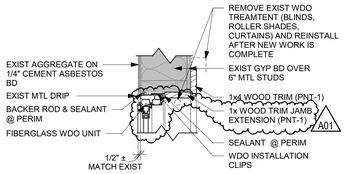
12 DOOR JAMB DETAIL
1 1/2" = 1'-0"



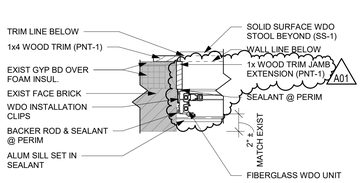
6 WDO MULLION DETAIL
1 1/2" = 1'-0"



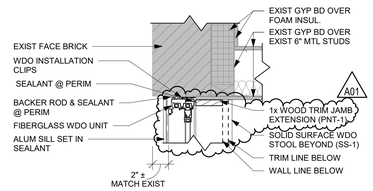
13 DR/WDO MULLION DETAIL
1 1/2" = 1'-0"



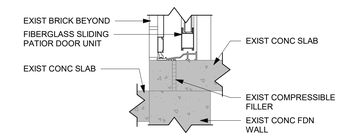
2 WDO HEAD DETAIL
1 1/2" = 1'-0"



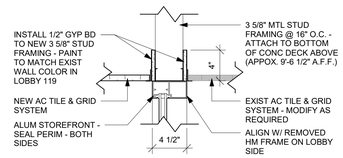
4 WDO JAMB DETAIL
1 1/2" = 1'-0"



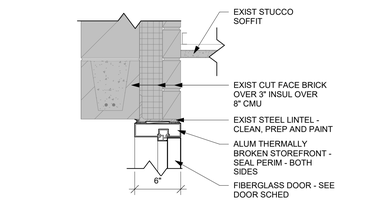
7 WDO JAMB DETAIL
1 1/2" = 1'-0"



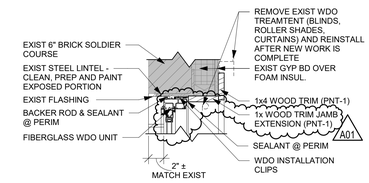
14 DOOR SILL DETAIL
1 1/2" = 1'-0"



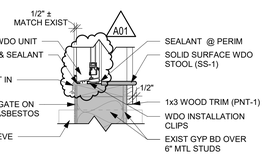
21 DOOR HEAD DETAIL
1 1/2" = 1'-0"



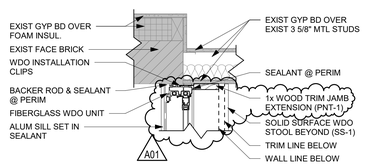
27 DOOR HEAD DETAIL
1 1/2" = 1'-0"



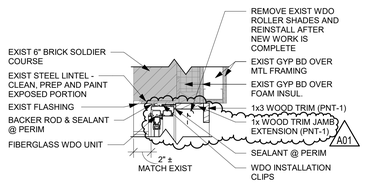
3 WDO HEAD DETAIL
1 1/2" = 1'-0"



5 WDO SILL DETAIL
1 1/2" = 1'-0"

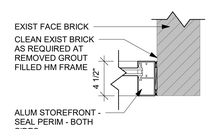


8 WDO JAMB DETAIL
1 1/2" = 1'-0"

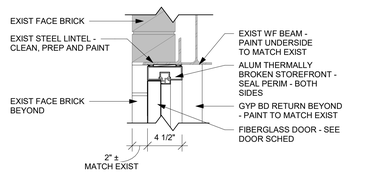


NOTE: DETAIL ONLY OCCURS AT 9th FLOOR.

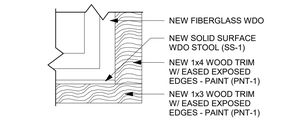
15 WDO HEAD DETAIL
1 1/2" = 1'-0"



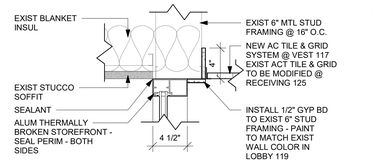
22 DOOR JAMB DETAIL
1 1/2" = 1'-0"



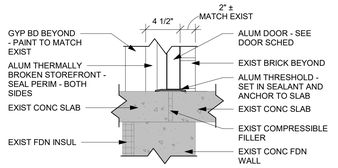
28 DOOR HEAD DETAIL
1 1/2" = 1'-0"



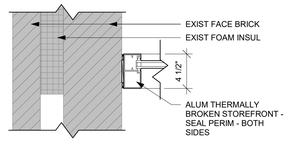
16 WDO SILL INT ELEV
1 1/2" = 1'-0"



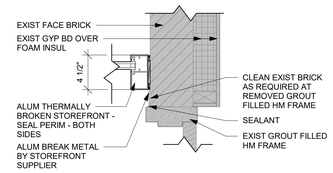
17 DOOR HEAD DETAIL
1 1/2" = 1'-0"



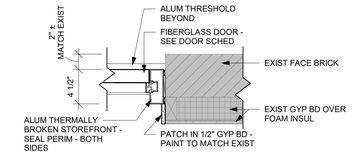
18 DOOR SILL DETAIL
1 1/2" = 1'-0"



19 DOOR JAMB DETAIL
1 1/2" = 1'-0"



20 DOOR JAMB DETAIL
1 1/2" = 1'-0"



23 DOOR JAMB DETAIL
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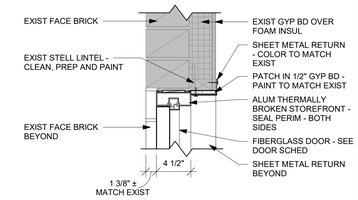
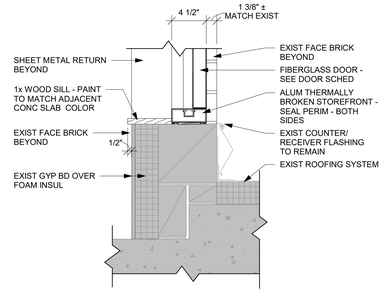
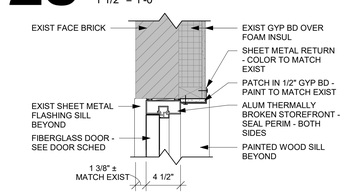


24 DOOR HEAD DETAIL
1 1/2" = 1'-0"



25 DOOR SILL DETAIL
1 1/2" = 1'-0"



26 DOOR JAMB DETAIL
1 1/2" = 1'-0"

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Consultant:

Project Title: HOUSING AUTHORITY OF THE CITY OF LA CROSSE
FOREST PARK WINDOW REPLACEMENT

Project Location: 1230 BADGER STREET
LA CROSSE, WISCONSIN 54601

Sheet Title: DOOR SCHEDULE AND DETAILS

HSR Project Number: 22023

Project Date: APRIL 2022

Drawn By: JTD

Key Plan:

Revisions:

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A01	ADDENDUM #1	05/17/2022
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A601