

# WINDOW REPLACEMENT: 1706-1708 RACE ST. CINCINNATI OH

PRELIMINARY  
NOT FOR  
CONSTRUCTION

**CITYSTUDIOS**  
ARCHITECTURE  
1148 Main Street  
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WINDOW  
REPLACEMENT  
1706-1708 Race Street  
Cincinnati OH 45202

**A0.0**  
COVER SHEET  
DATE: BID SET - 12.22.2023

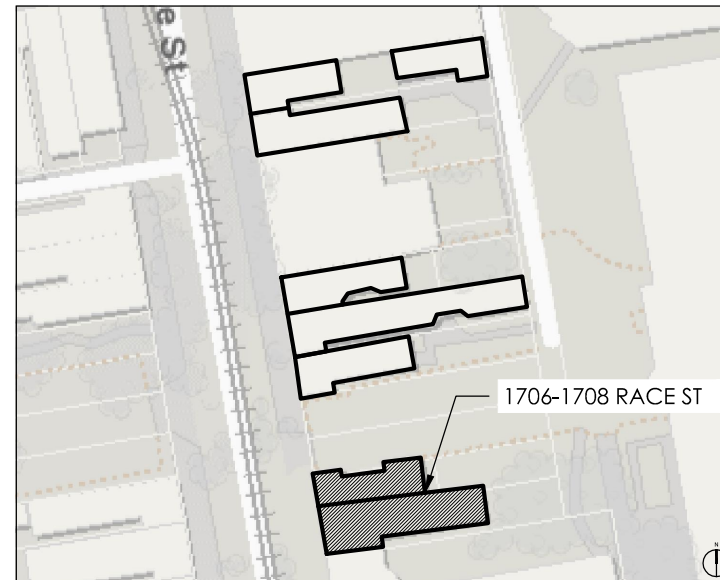
## GENERAL NOTES

1. THE GENERAL CONTRACTOR (G.C.) SHALL VERIFY ALL INFORMATION IN THESE DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEPARTURES FROM THESE PLANS NOT APPROVED IN WRITING BY THE ARCHITECT.
2. THE ARCHITECT HAS MADE NO INVESTIGATION TO DETERMINE IF ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL IS PRESENT IN EXISTING CONSTRUCTION AND ASSUMES NO RESPONSIBILITY WITH REGARD TO ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL.
3. THE G.C. IS TO REVIEW THESE DRAWINGS AND VISIT THE SITE BEFORE COMMENCING THE PROJECT IN ORDER TO FAMILIARIZE HIM OR HERSELF WITH THE PROPOSED WORK.
4. THE G.C. IS TO REMOVE ONLY THOSE ELEMENTS SLATED FOR DEMOLITION EITHER GRAPHICALLY OR BY NOTATION. NO OTHER ELEMENTS ARE TO BE REMOVED. IF THE CONTRACTOR QUESTIONS THE REMOVAL OF AN ELEMENT, OR IF THERE IS A CONFLICT BETWEEN THE NOTES AND THE GRAPHICS, CONTRACTOR IS TO ASK THE ARCHITECT IMMEDIATELY.
5. THE G.C. IS TO PROTECT AND SAVE BUILDING ELEMENTS CONNECTED TO, OR ADJ. TO, THOSE ELEMENTS WHICH ARE SLATED TO BE REMOVED.
6. THE G.C. SHALL NOT REMOVE ANY ELEMENTS WHICH MAY CAUSE THE STRUCTURE TO BECOME UNSTABLE, OR THAT WILL POSE A RISK TO PERSONS OR PROPERTY, EVEN IF INDICATED IN PLANS. IF ANY ELEMENTS BECOME UNSTABLE, CONTRACTOR IS TO STABILIZE AND SHALL INFORM THE ARCHITECT/OWNER IMMEDIATELY.
7. IT IS UP TO THE G.C. TO CONTINUALLY EVALUATE THE STRUCTURAL STABILITY OF THE BUILDING AND THE INTEGRITY OF ELEMENTS BOTH STRUCTURAL AND NON-STRUCTURAL THAT ARE SHOWN TO REMAIN. IF THE CONTRACTOR DETERMINES THAT SOME OF THESE ELEMENTS SHOULD BE REMOVED, HE/SHE MUST FIRST RECEIVE PERMISSION FROM THE ARCHITECT/OWNER, OR MAY BE FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF THESE ELEMENTS.
8. THE G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL TRASH AND DEBRIS THROUGHOUT THE WORK. ALL DEBRIS MUST BE REMOVED AND DISCARDED IN A SAFE AND LEGAL MANNER.
9. THE G.C. IS RESPONSIBLE FOR THE PROCUREMENT OF ANY ADDITIONAL MATERIALS, EQUIPMENT, AND PERMITS AND FOR ANY FEES, PENALTIES OR RENTAL COSTS ASSOCIATED WITH THE DEMOLITION WORK.
10. THE G.C. IS TO PROTECT THE BUILDING FROM THE ELEMENTS, THEFT AND VANDALISM AT ALL TIMES DURING WORK.
11. **THE PLAN AND ELEVATION DRAWINGS ARE TO SHOW LOCATIONS AND QUANTITIES OF WINDOW REPLACEMENT ONLY. ANY NOTATIONS OTHER THAN THE WINDOW TAGS AND KEYNOTES ON THE PLAN AND ELEVATION DRAWINGS DO NOT APPLY TO THIS PROJECT.**

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- A3.2** SECOND FLOOR PLAN
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- A5.1** WINDOW SCHEDULE
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## LOCATION PLAN (NOT TO SCALE)



## PROJECT INFORMATION

1. **PROJECT LOCATION:**  
1706-1708 RACE ST. CINCINNATI OH 45202
2. **DESCRIPTION:**  
THE PROJECT IS THE REPLACEMENT OF WINDOWS IN A MULTI-STORY, MULTI-FAMILY RESIDENTIAL BUILDING. THE WORK IS LIMITED TO REMOVAL OF EXISTING WINDOW UNITS AND BRICKMOULD COVERINGS, INSTALLATION OF NEW WINDOWS AND NEW EXTERIOR BRICKMOULD COVERING WINDOW TRIM, AND REPAIR OF INTERIOR FINISHES AND TRIM AROUND THE WINDOW OPENINGS AFTER THE WINDOWS ARE INSTALLED. THERE IS NO CHANGE TO THE USE, OCCUPANCY, CONSTRUCTION TYPE, OR MEANS OF EGRESS.  
  
THE ATTACHED DOCUMENTS ARE TO BE USED FOR BIDDING, PERMITTING, AND CONSTRUCTION. TO DETERMINE PROJECT COST AND SCOPE OF WORK, THE DOCUMENTS INCLUDE ALTERNATE ACCEPTABLE WINDOW PRODUCTS AND ALTERNATE SCOPES OF WORK RELATED TO WINDOW REPLACEMENT. AFTER EVALUATION OF BIDS, THE FINAL SCOPE OF WORK AND ALTERNATE SCOPES DESCRIBED IN THESE DOCUMENTS WILL BE DETERMINED. (SEE "BID ALTERNATES" ON SHEET A0.0 FOR ADDITIONAL INFORMATION.)
3. **GOVERNING CODE:**  
2017 OBC (OHIO BUILDING CODE)
4. **ZONING DESIGNATION:**  
CC-P, COMMERCIAL COMMUNITY-PEDESTRIAN OVER THE RHINE HISTORIC DISTRICT

5. **CONSTRUCTION TYPE:**  
EXISTING CONSTRUCTION CLASSIFICATION IS IIIB. NO CHANGE TO CONSTRUCTION CLASSIFICATION IS PROPOSED.
6. **USE GROUPS/OCCUPANCY/EXIT REQUIREMENTS:**  
THE BUILDING IS RESIDENTIAL USE (R-2). NO CHANGES ARE PROPOSED TO THE BUILDING USE, OCCUPANCY, EXITING, HEIGHT, AREA, ETC.
7. **FIRE PROTECTION:**  
THE BUILDING IS NOT PROTECTED WITH AN AUTOMATIC SPRINKLER SYSTEM, AN EXISTING NON-CONFORMING CONDITION WHICH WILL REMAIN.
8. **WINDOWS ALONG FIRE ESCAPES:**  
PER OBC 3406.5, WINDOWS ALONG FIRE ESCAPES ARE REQUIRED TO BE PROTECTED WITH 3/4-HOUR OPENING PROTECTIVES.  
  
NEW WINDOWS ALONG FIRE ESCAPES WILL HAVE 3/4-HOUR FIRE RESISTANCE RATING.  
  
THE CONTRACTOR IS TO PROVIDE AN ALTERNATIVE PRICE TO LEAVE THE EXISTING NON-FIRE RATED WINDOWS IN PLACE WHICH WOULD CONSTITUTE AN EXISTING NON-CONFORMING CONDITION TO REMAIN.

## BID ALTERNATES

- BID ALTERNATE NOTE:**  
THE BIDDING CONTRACTOR IS TO PROVIDE A SEPARATE LINE ITEM PRICE FOR EACH OF THE FOLLOWING ADD/DEDUCT ALTERNATES SO THAT THE OWNER CAN EVALUATE THE COST IMPACT OF EACH ITEM. AFTER EVALUATION OF BIDS, THE FINAL SCOPE OF ALTERNATE WORK WILL BE DETERMINED.
1. **FIRE-RATED WINDOWS (TYPE "E"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE WINDOWS ALONG FIRE ESCAPES, AND TO LEAVE THE EXISTING WINDOWS IN PLACE IN THESE LOCATIONS.
  2. **FIXED/PICTURE WINDOWS (TYPE "D"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE THE EXISTING FIXED/PICTURE WINDOWS, AND TO LEAVE THE EXISTING WINDOWS IN PLACE IN THESE LOCATION.
  3. **FIXED/PICTURE WINDOWS IN UNOCCUPIED ATTICS (TYPE "D.1 & G.1"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE EXISTING ATTIC WINDOWS IN UNOCCUPIED ATTICS, AND TO LEAVE THESE WINDOWS IN PLACE. SEE PLANS AND ELEVATIONS FOR LOCATIONS OF UNOCCUPIED ATTICS.
  4. **EXISTING HISTORIC STEEL WINDOWS (TYPE "F"):** PROVIDE A DEDUCT ALTERNATE PRICE TO OMIT THE REPAIR OF THE (2) EXISTING HISTORIC STEEL WINDOWS, AND TO REMOVE THIS FROM THE SCOPE OF WORK.
  5. **INTERIOR WINDOW FINISH:** PROVIDE AN ALTERNATE PRICE TO PROVIDE FACTORY-PRIMED, FIELD-PAINTED WINDOWS. (BASIS OF DESIGN IS FACTORY-PAINTED, SEE ATTACHED SPECIFICATIONS).
  6. **EXTERIOR TRIM PAINTING:** PROVIDE AN ADD ALTERNATE PRICE TO INSTALL ALUMINUM PANNING AT THE NEW ARCH-TOP WINDOW HEAD TRIM (BASIS OF DESIGN IS NEW PAINTED WOOD TRIM). SEE FRONT ELEVATIONS FOR LOCATIONS AND QUANTITIES.
  7. **BLINDS:** PROVIDE AN ADD ALTERNATE PRICE TO PROVIDE BLINDS FOR ALL OPERABLE WINDOWS - 1" HORIZONTAL LOUVER BLINDS WITH VINYL/POLYMER SLATS.

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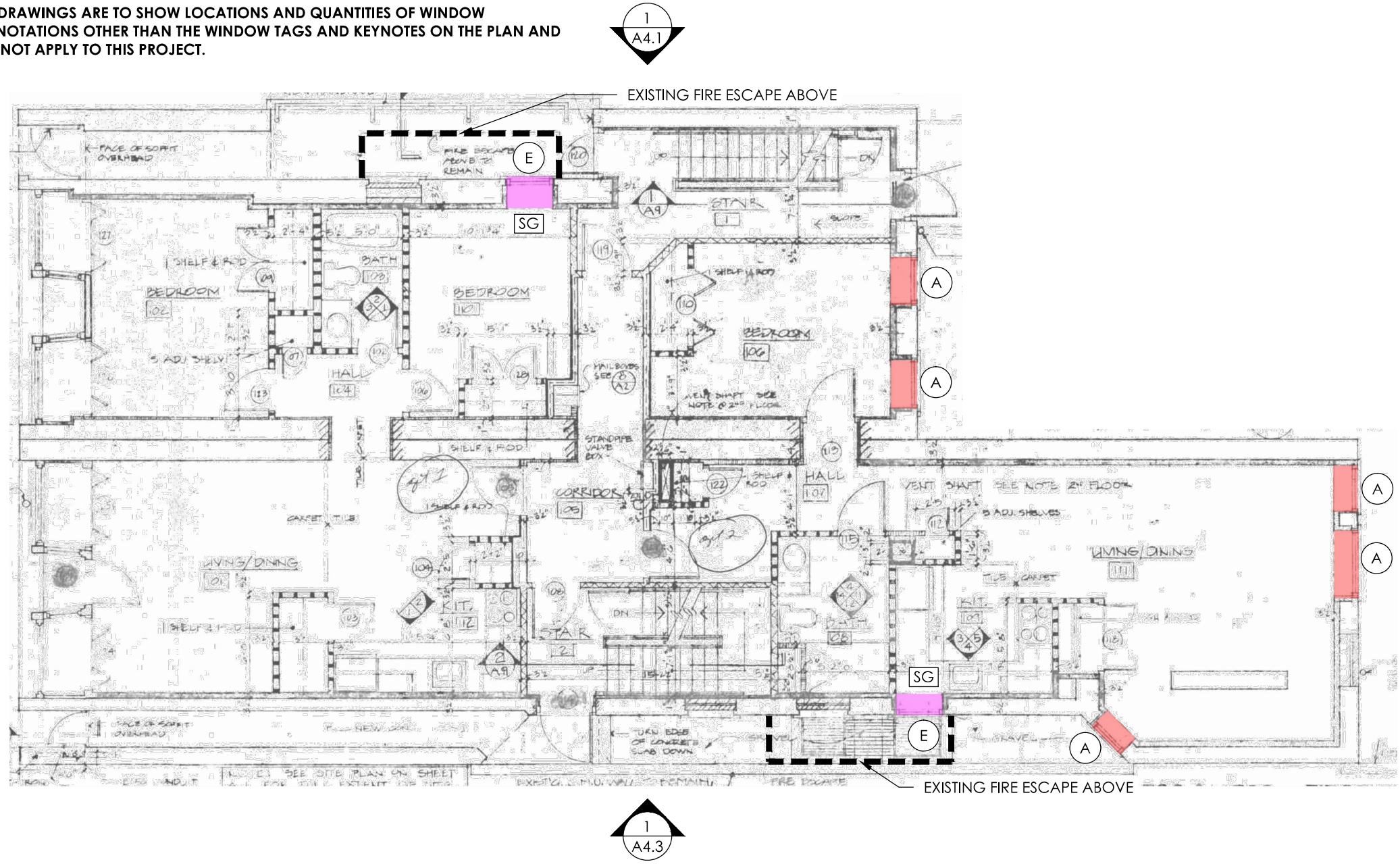
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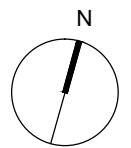
**A3.1**  
FIRST FLOOR PLAN  
DATE: BID SET - 12.22.2023



1  
A3.1

FIRST FLOOR PLAN

1/8" = 1'-0"



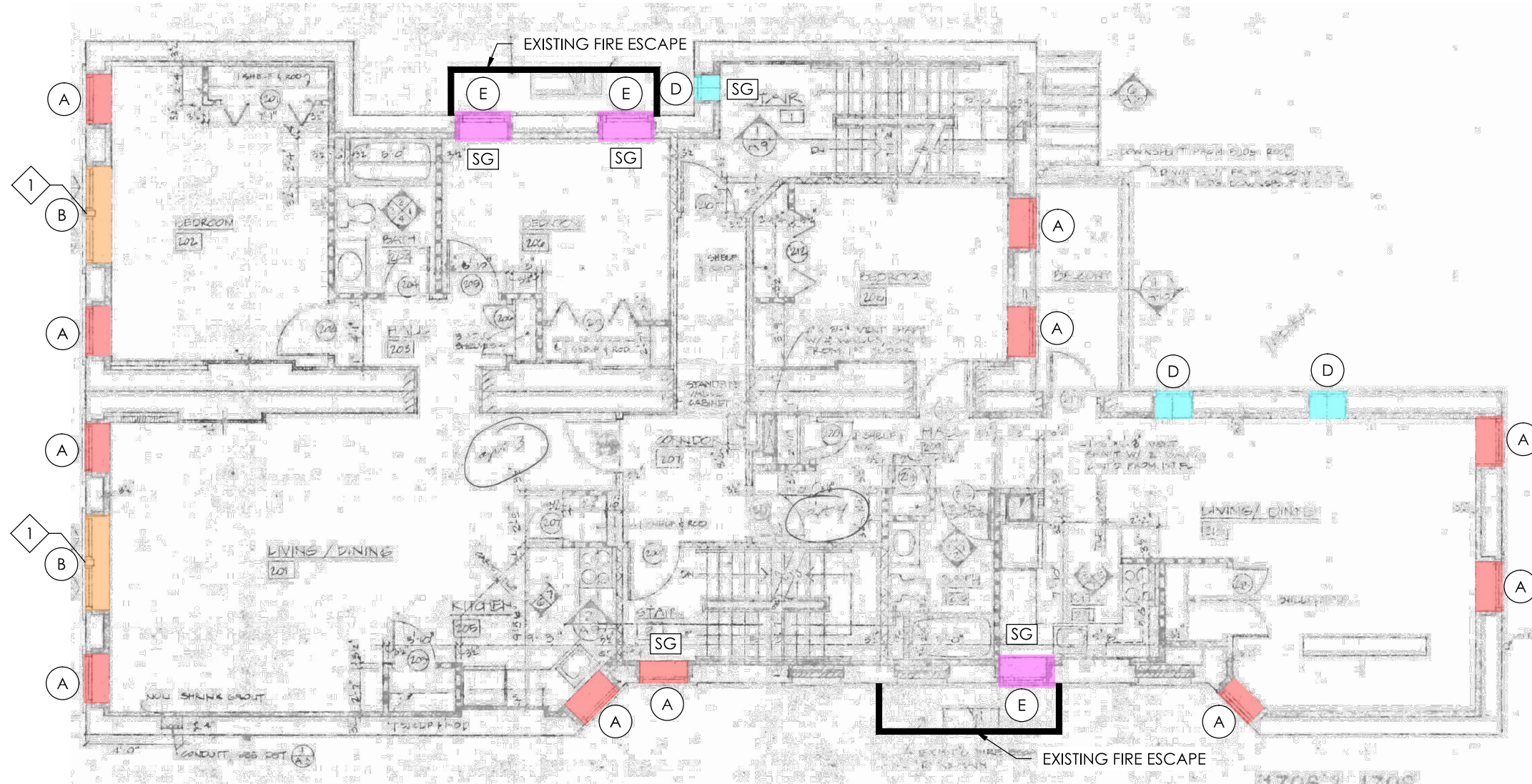
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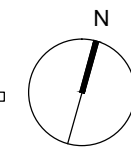
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1  
A3.2  
SECOND FLOOR PLAN  
1/8" = 1'-0"



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**A3.2**  
SECOND FLOOR PLAN  
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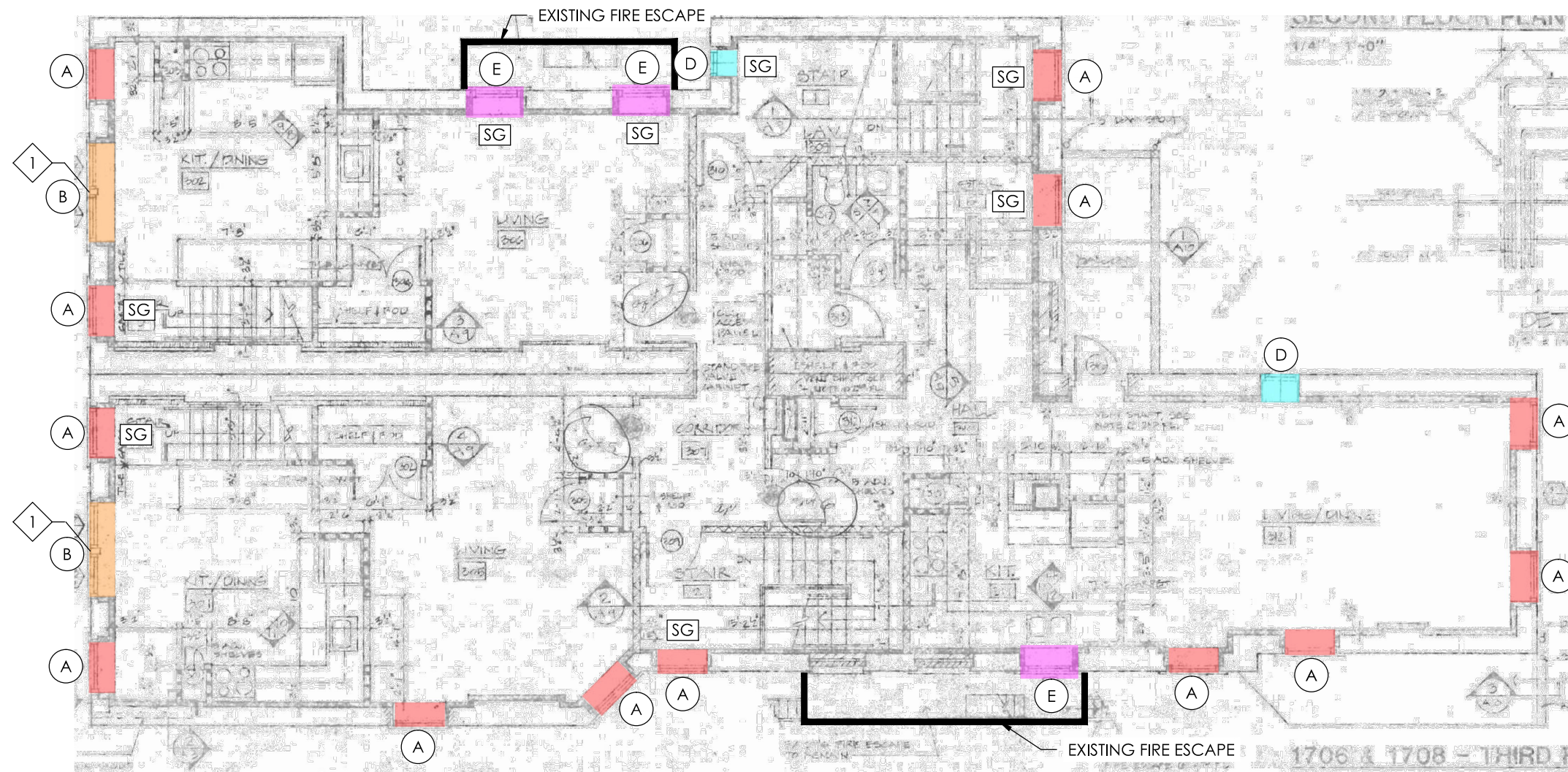
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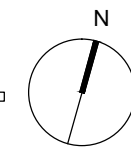
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**1**  
**A3.3**  
**THIRD FLOOR PLAN**  
1/8" = 1'-0"



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**A3.3**  
**THIRD FLOOR PLAN**  
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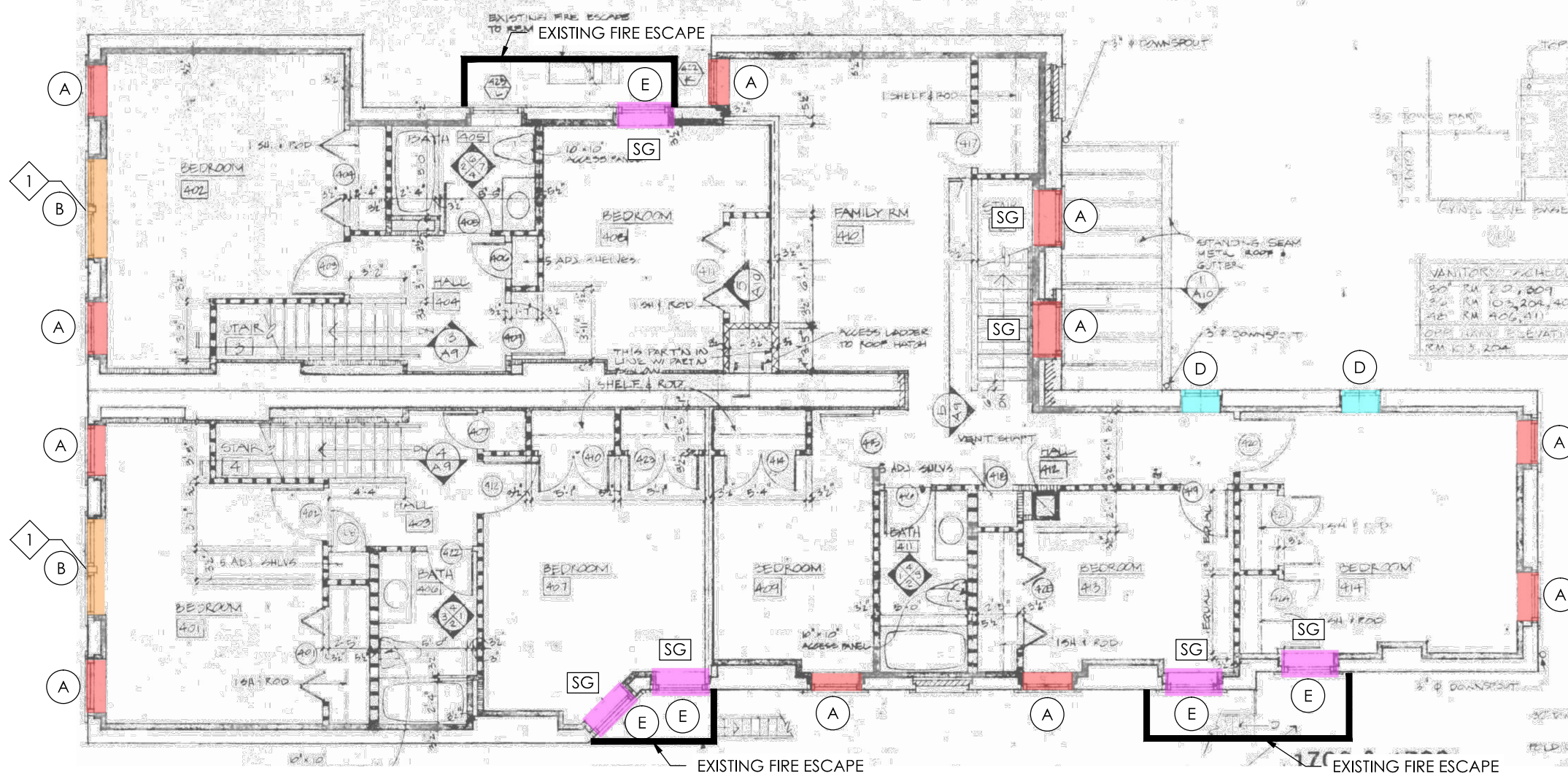
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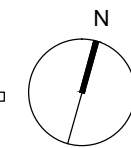
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1  
A3.4

FOURTH FLOOR PLAN

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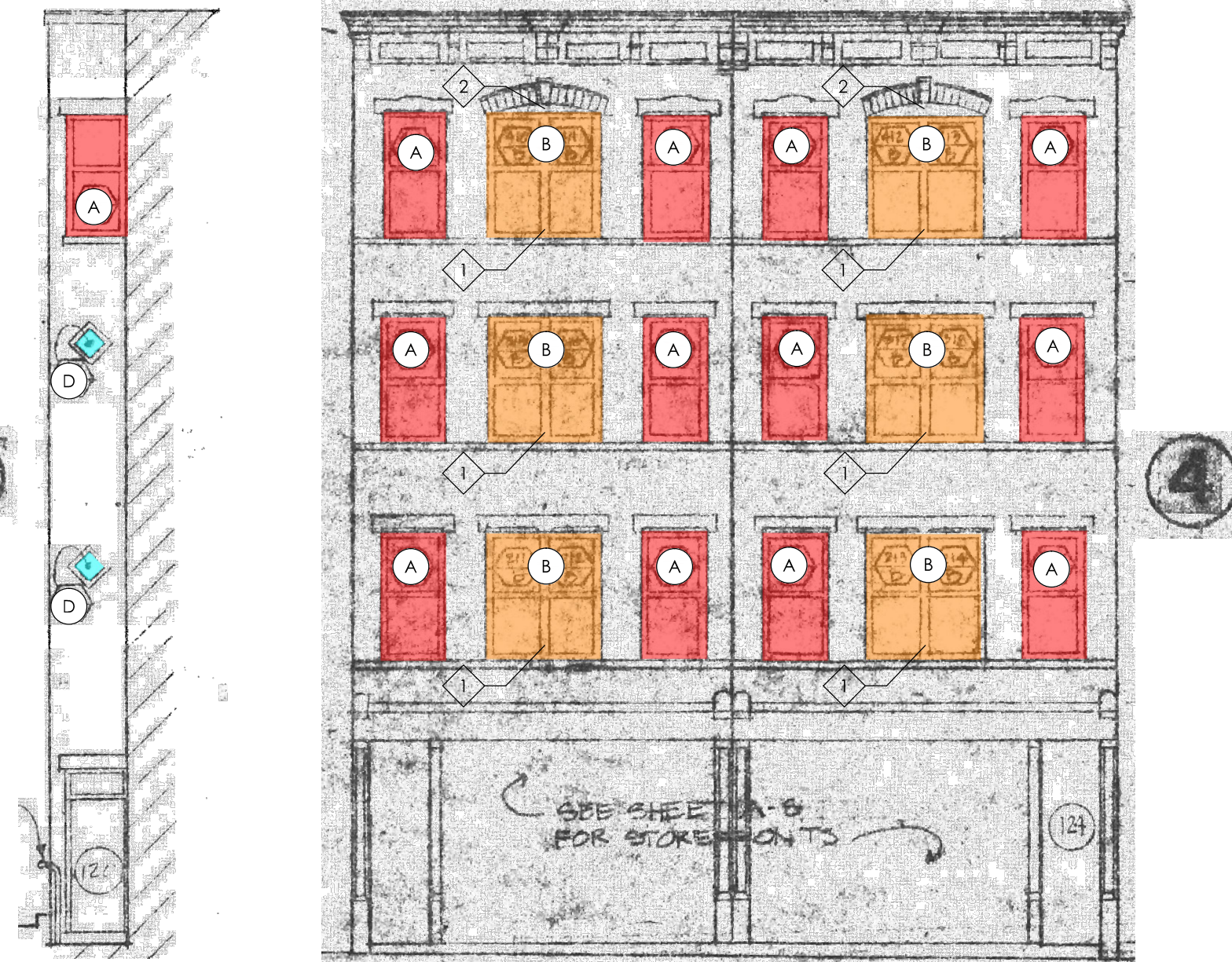
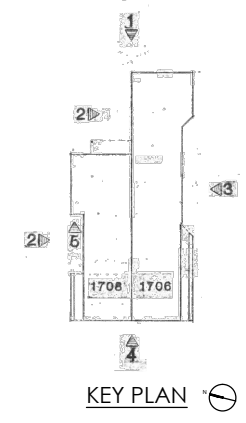
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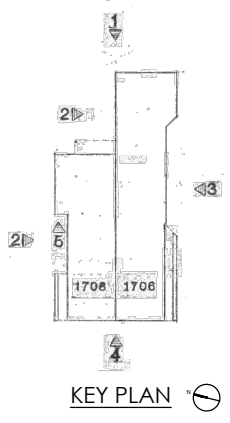
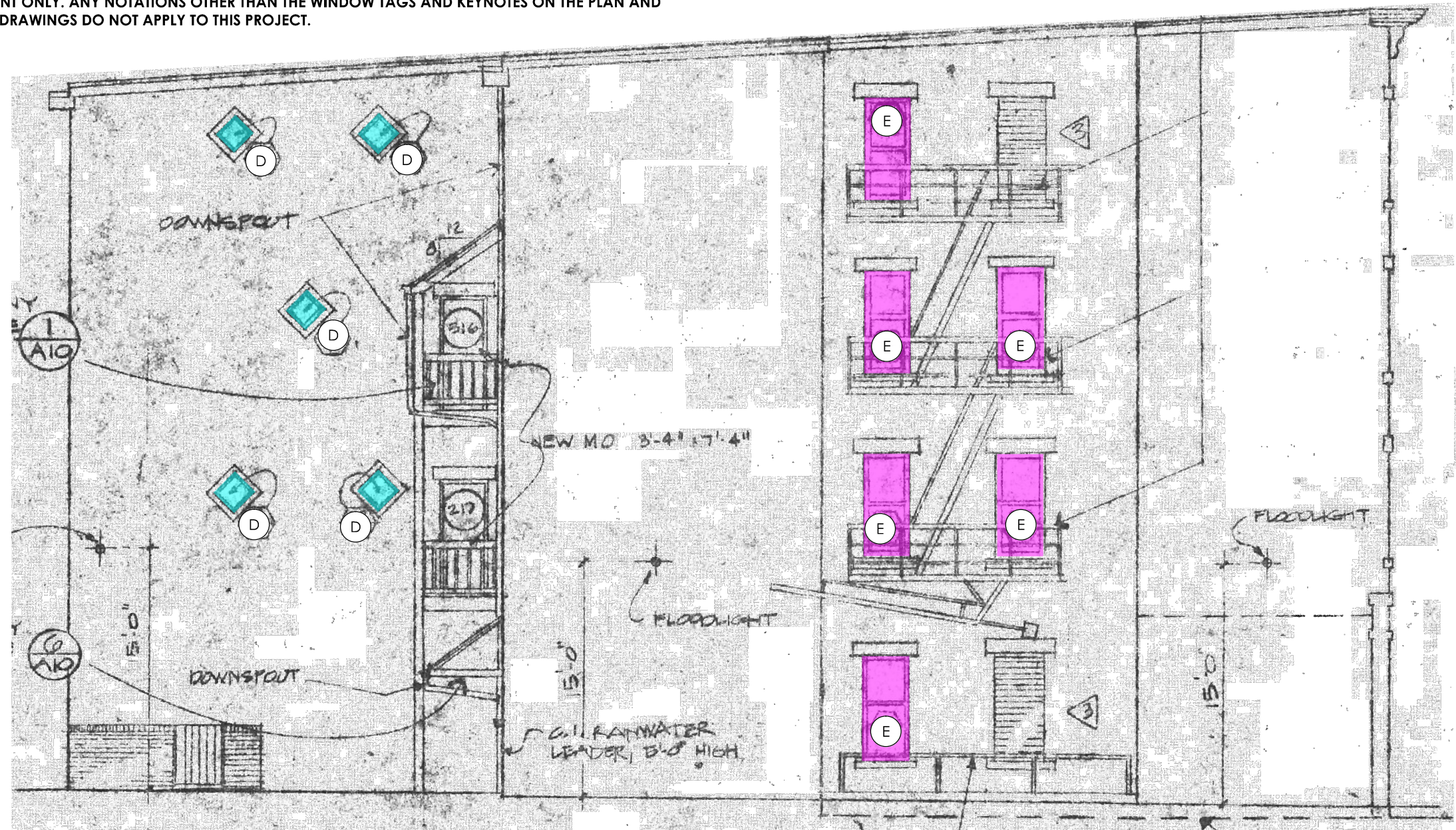
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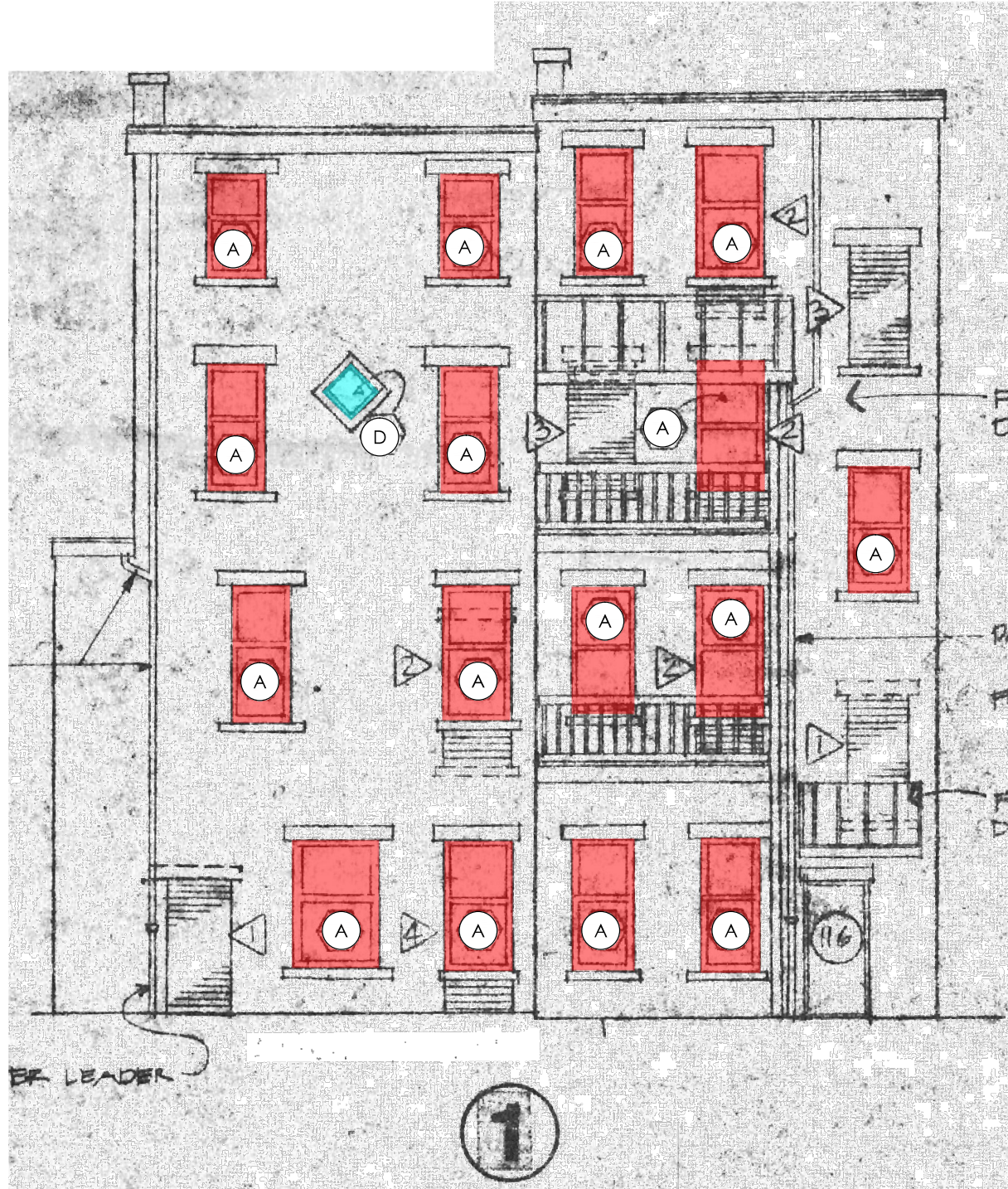
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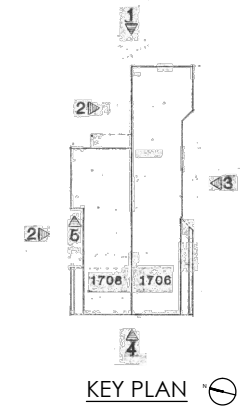
# PLAN AND ELEVATION KEYNOTES

- AT LOCATION OF EXISTING VERTICAL MULLION, VERIFY IN FIELD IF THIS IS A STRUCTURAL WOOD MULLION WHICH IS SUPPORTING THE LINTEL ABOVE, OR A MULLED WINDOW UNIT. IF IT IS DETERMIED THAT A STRUCTURAL WOOD MULLION IS PRESENT, DO NOT REMOVE, CONTACT ARCHITECT FOR DIRECTION. IN THIS CASE IT MAY BE NECESSARY TO LEAVE THE MULLION IN PLACE AND INSTALL TWO WINDOW UNITS RATHER THAN A SINGLE MULLED WINDOW.
- REPLACE EXISTING WOOD WINDOW TRIM. PAINT. SEE EXTERIOR ELEVATIONS AND "BID ALTERNATES" ON SHEET A0.0 FOR ADDITIONAL INFORMATION.

PRELIMINARY  
NOT FOR  
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1 EAST ELEVATION  
A4.2 1/8" = 1'-0"



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**A4.2**  
EAST ELEVATION  
DATE: BID SET - 12.22.2023



**PLAN AND ELEVATION GENERAL NOTES**

- DO NOT SCALE DRAWINGS. REFER TO PLANS, VERIFY DIMENSIONS IN FIELD.
- LOAD-BEARING WALLS, COLUMNS, BEAMS, AND STRUCTURAL ELEMENTS TO REMAIN, U.N.O.
- PATCH AND REPAIR ALL SURFACES TO MATCH EXISTING ADJACENT CONSTRUCTION AT AREAS OF DEMOLITION AND NEW CONSTRUCTION.
- PROVIDE WINDOWS WHICH FULLY FIT THE EXISTING OPENINGS. ALL EXISTING WINDOW OPENING DIMENSIONS ARE TO BE FIELD VERIFIED. ALL OPENINGS MUST BE ASSUMED TO BE UNIQUE.
- REFER TO SHEET A0.0 FOR BID ALTERNATES.
- ALL FINISH COLORS TO BE SELECTED BY OWNER AND ARCHITECT.
- THE PLAN AND ELEVATION DRAWINGS ARE TO SHOW LOCATIONS AND QUANTITIES OF WINDOW REPLACEMENT ONLY. ANY NOTATIONS OTHER THAN THE WINDOW TAGS AND KEYNOTES ON THE PLAN AND ELEVATION DRAWINGS DO NOT APPLY TO THIS PROJECT.**

**# PLAN AND ELEVATION KEYNOTES**

- AT LOCATION OF EXISTING VERTICAL MULLION, VERIFY IN FIELD IF THIS IS A STRUCTURAL WOOD MULLION WHICH IS SUPPORTING THE LINTEL ABOVE, OR A MULLED WINDOW UNIT. IF IT IS DETERMIED THAT A STRUCTURAL WOOD MULLION IS PRESENT, DO NOT REMOVE, CONTACT ARCHITECT FOR DIRECTION. IN THIS CASE IT MAY BE NECESSARY TO LEAVE THE MULLION IN PLACE AND INSTALL TWO WINDOW UNITS RATHER THAN A SINGLE MULLED WINDOW.
- REPLACE EXISTING WOOD WINDOW TRIM. PAINT. SEE EXTERIOR ELEVATIONS AND "BID ALTERNATES" ON SHEET A0.0 FOR ADDITIONAL INFORMATION.

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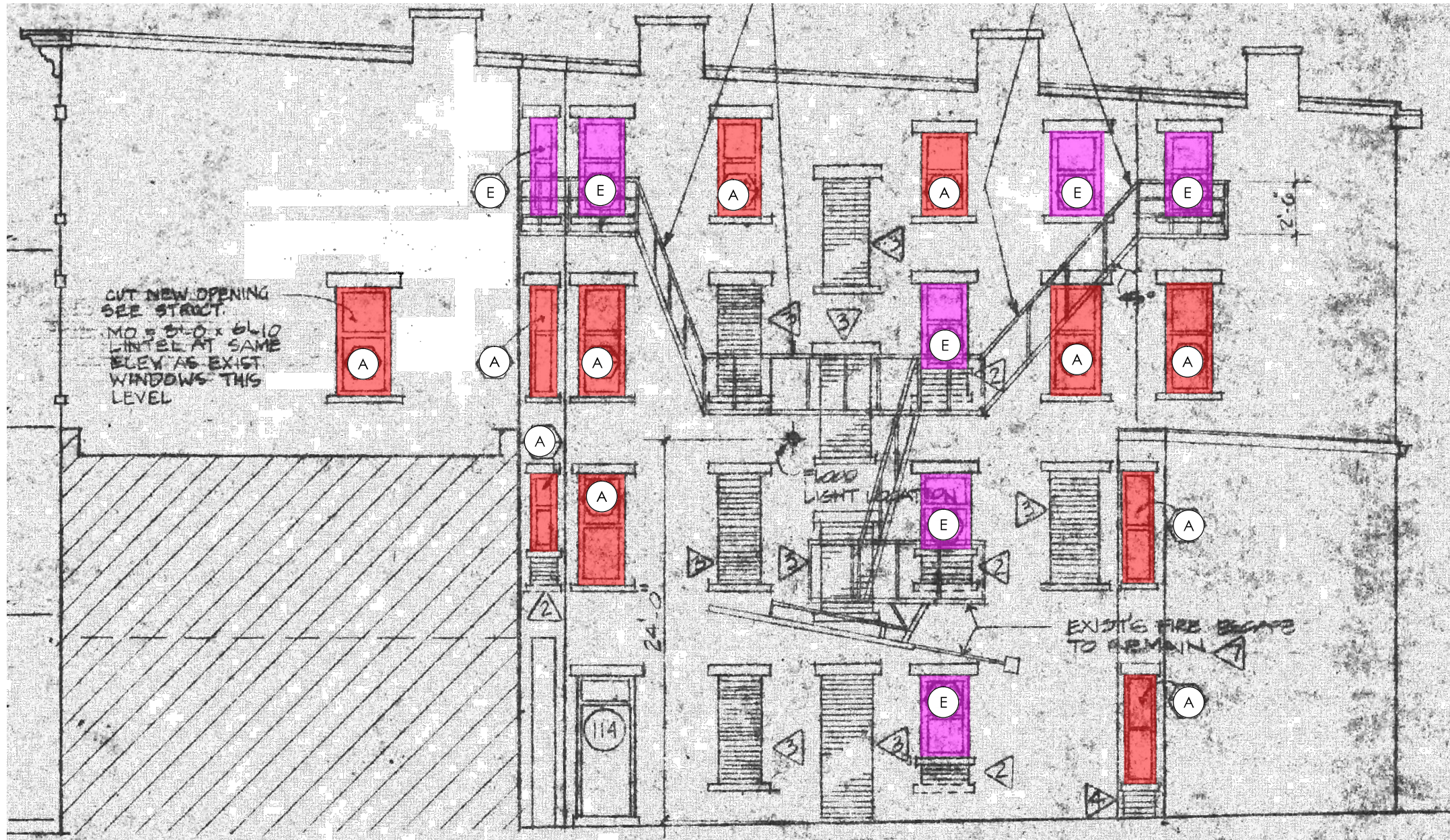
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**A4.3**  
SOUTH ELEVATION  
DATE: BID SET - 12.22.2023



**1**  
A4.3 **SOUTH ELEVATION**  
1/8" = 1'-0"

## WINDOW GENERAL NOTES

1. **CITY OF CINCINNATI HISTORIC DISTRICT REQUIREMENTS:** REPLACEMENT WINDOWS ARE REQUIRED TO MATCH THE ORIGINAL MATERIAL, SIZE, AND STYLE, AS CLOSELY AS POSSIBLE. THE WINDOW PRODUCTS INCLUDED IN THE WINDOW SCHEDULE HAVE PREVIOUSLY BEEN APPROVED BY THE CITY OF CINCINNATI AS HISTORICALLY COMPATIBLE REPLACEMENT WINDOWS. THE CONTRACTOR MAY PROPOSE ALTERNATE WINDOWS, SUBJECT TO APPROVAL BY OWNER, ARCHITECT, AND THE CITY ZONING DEPARTMENT.
2. **WINDOW ENERGY PERFORMANCE:**
  - NON-RATED WINDOWS: U-VALUE  $\leq$  0.30 REQUIRED. SHGC  $\leq$  0.30 PREFERRED.
  - FIRE-RATED WINDOWS: U-VALUE  $\leq$  0.40 REQUIRED. SHGC  $\leq$  0.30 PREFERRED.
  - GLAZING TO BE CLEAR, LOW-E GLASS.
3. **INTERIOR FINISHES AND TRIM:** IT IS ASSUMED THAT THE TYPICAL INTERIOR FINISH CONDITION IS GYPSUM BOARD RETURNS AT JAMBS AND HEAD, AND PAINTED WOOD STOOLS. THE INTERIOR FINISHES ARE TO REMAIN TO THE GREATEST EXTENT FEASIBLE, AND TO BE REPAIRED AND REPAINTED TO MATCH THE EXISTING CONDITION AFTER WINDOW INSTALLATION. SEE TYPICAL WINDOW DETAILS IN SHEET A5.2.
4. **WINDOW OPENING CONTROL DEVICES:** PER OBC 1015.8 & 1015.8.1, OPERABLE WINDOWS WHERE THE TOP OF THE SILL IS LOCATED LESS THAN 36" AFF, AND MORE THAN 72" ABOVE GRADE OR OTHER SURFACE ON THE EXTERIOR OF THE BUILDING, SHALL BE PROVIDED WITH WINDOW OPENING CONTROL DEVICES THAT COMPLY WITH ASTM F 2090. AFTER OPERATION TO RELEASE THE CONTROL DEVICE, THE WINDOW SHALL BE OPENABLE TO IT FULL OPEN POSITION. (VERIFY WINDOW SILL HEIGHTS IN FIELD.)
5. **WINDOW LOCK ACCESSIBILITY:** PROVIDE EXTENDED REACH RANGE LOCK AT ALL OPERABLE WINDOWS IN ACCESSIBLE DWELLING UNITS. COORDINATE WITH OWNER FOR LOCATIONS OF ACCESSIBLE UNITS.
6. REMOVE EXISTING STORM WINDOWS, SCREENS, AND WINDOW UNITS DOWN TO HISTORIC WINDOW WEIGHT BOXES OR BLOCKING (IF PRESENT). REFER TO TYPICAL WINDOW DETAILS.
7. PROVIDE CUSTOM SIZED WINDOWS TO FIT EXISTING OPENINGS. VERIFY WINDOW OPENING SIZES IN FIELD.
8. REMOVE EXISTING WINDOW BLINDS AS REQUIRED FOR NEW WORK. PROTECT AND REINSTALL AFTER REPLACEMENT OF WINDOWS. SEE "BID ALTERNATES" ON SHEET A0.0 FOR REPLACEMENT WINDOW BLINDS.
9. PROVIDE P.T. BLOCKING AS REQUIRED AT PERIMETER OF EXISTING OPENING.
10. PROVIDE A FULL HEIGHT INSECT SCREEN AT ALL OPERABLE WINDOWS.
11. PROVIDE CONCEALED JAMB LINERS TO MATCH WINDOW COLOR AT ALL REPLACEMENT WINDOWS.
12. WINDOW SASHES LOCATED WITH 3'-0" OF AN EXHAUST VENT SHALL BE FIXED IN PLACE.

### SAFETY GLAZING NOTES:

SG SAFETY GLAZING REQUIRED (SEE FLOOR PLANS)

PROVIDE SAFETY GLAZING AT ALL NEW WINDOW LOCATIONS INDICATED IN DRAWINGS AND AS REQUIRED BY SECTION 2406.4 OBC, INCLUDING BUT NOT LIMITED TO LOCATIONS LISTED BELOW. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATIONS BASED ON REQUIREMENTS OF OBC. SAFETY GLAZING LOCATIONS INDICATED ON THE PLANS ARE FOR REFERENCE.

1. GLAZING W/ IN 24" OF EITHER VERTICAL EDGE OF DOOR IN CLOSED POSITION.
2. GLAZING WHERE BOTTOM EDGE OF PANEL IS LESS THAN 18" AFF.
3. GLAZING ADJACENT TO STAIR & RAMP LANDINGS, STAIRS, RAMPS, AND FIRE ESCAPE LANDINGS.
4. GLAZING ADJACENT TO BATHTUBS AND SHOWERS.

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A5.0  
WINDOW NOTES

DATE: BID SET - 12.22.2023

**WINDOW SCHEDULE**

WINDOW No.	WINDOW TYPE	MATERIAL	MANUFACTURER/PRODUCT	NOTES
A	1/1 DOUBLE-HUNG	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD WIDE RAIL DH	CLEAR IG DUAL LOW-E 272 w/ARGON OR EQUIVALENT
			<b>TRIMLINE:</b> LEGENDS DHC300	CARDINAL LoE-270 OR EQUIVALENT
			<b>QUAKER:</b> BRIGHTON DOUBLE HUNG	EnergyPlus LoE-272 w/ARGON OR EQUIVALENT
			<b>WEATHERSHIELD:</b> SIGNATURE DOUBLE HUNG	3/4" Zo-e-shield 5 EXTREME OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE DOUBLE HUNG	UN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>PELLA:</b> ARCHITECT DOUBLE HUNG	ADVANCED LOW-E IG OR EQUIVALENT
			<b>MARVIN:</b> ULTIMATE DOUBLE HUNG G2	LOW E2 OR EQUIVALENT
		<b>ANDERSEN:</b> 400 SERIES WOODWRIGHT DOUBLE HUNG	LOW-E4 SMARTSUN OR EQUIVALENT	
		FIBERGLASS	<b>RENEWAL BY ANDERSEN:</b> DOUBLE HUNG	LOW-E4 SMARTSUN OR EQUIVALENT
		<b>GILKEY:</b> G-SERIES DOUBLE HUNG	LOW-E 270 OR EQUIVALENT	
B	(2) 1/1 DOUBLE-HUNG	ALUMINUM CLAD WOOD	SEE WINDOW TAG "A" MANUFACTURERS/PRODUCTS	FACTORY-MULLED WINDOW UNIT
C	NOT USED			
D (D.1 WHERE OCCURS IN UNOCCUPIED ATTICS)	DIRECT SET PICTURE	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD DIRECT SET	CLEAR IG LowE-366 LAMINATED w/ARGON OR EQUIVALENT
			<b>TRIMLINE:</b> LEGENDS DHC300	CARDINAL LoE-270 OR EQUIVALENT
			<b>QUAKER:</b> BRIGHTON PICTURE	Energy 3S LoE-366 w/ARGON OR EQUIVALENT
			<b>WEATHERSHIELD:</b> SIGNATURE DIRECT SET	3/4" Zo-e-shield 5 w/ARGON OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE PICTURE FIXED	UN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>PELLA:</b> ARCHITECT PICTURE	SUNDEFENSE LOW-E IG OR EQUIVALENT
			<b>MARVIN:</b> ULTIMATE PICTURE	LOW E2 OR EQUIVALENT
			<b>ANDERSEN:</b> 400 SERIES WOODWRIGHT PICTURE	LOW-E4 SMARTSUN OR EQUIVALENT
E	1/1 DOUBLE-HUNG AT FIRE ESCAPES	ALUMINUM CLAD WOOD	<b>THERMALLY BROKEN STEEL USA:</b> FIRE-RATED SINGLE-HUNG WINDOW	SELF-CLOSING, FIRE-RATED WINDOW
F	HISTORIC	STEEL	N/A	EXISTING WINDOW TO REMAIN. REMOVE RUST, RESEAL GLAZING AND ENSURE WINDOW IS WEATHER-TIGHT. REPAINT.
G G.1 WHERE OCCURS IN UNOCCUPIED ATTICS)	SLIDING	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD GLIDER	CLEAR IG DUAL LowE OR LowE-366 w/ARGON OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE SLIDING	SUN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>ANDERSEN:</b> 400 SERIES GLIDING	LOW-E4 SMARTSUN OR EQUIVALENT

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**A5.1**  
WINDOW SCHEDULE  
DATE: BID SET - 12.22.2023

**WINDOW GENERAL NOTES**

- REFER TO WINDOW GENERAL NOTES ON SHEET A5.0 FOR HISTORIC AND ENERGY PERFORMANCE REQUIREMENTS.
- THE WINDOW MANUFACTURERS AND PRODUCTS LISTED IN THE WINDOW SCHEDULE ARE ACCEPTABLE WINDOW PRODUCTS. FOR BIDDING, THE CONTRACTOR SHALL SELECT THE MOST COST-EFFECTIVE PRODUCT FROM THE LIST OF ACCEPTABLE PRODUCTS. THE CONTRACTOR MAY ALSO PROPOSE AN ALTERNATIVE PRODUCT THAT IS NOT LISTED IF IT MEETS ALL SPECIFICATIONS AND REQUIREMENTS.

# WINDOW SPECIFICATIONS

## SECTION 085200 - WOOD WINDOWS PART 1 - GENERAL

### 1.1 SUMMARY

- A. Section includes:
1. Aluminum-clad wood windows.

### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.
- C. Samples: For each exposed product and for each color specified.

### 1.3 INFORMATIONAL SUBMITTALS

- A. Product test reports.
- B. Sample warranties.

### 1.4 QUALITY ASSURANCE

- A. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
1. Build mockup of window installation at each type of historic window opening at locations as selected by Architect.
  2. Include brickmold, sealant, flashings, interior trim, and exposed brick cleaning, pointing, and repair.
  3. Mockup to be approved before beginning installation of other windows.
  4. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  5. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

### 1.5 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace wood windows that fail in materials or workmanship within specified warranty period.
1. Warranty Period:
    - a. Window: 10 years from date of Substantial Completion.
    - b. Glazing Units: 20 years from date of Substantial Completion.
    - c. Aluminum-Cladding Finish: 20 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 WINDOW PERFORMANCE REQUIREMENTS

- A. Product Standard: Comply with AAMA/WDMA/CSA 101/I.S.2/A440 for definitions and minimum standards of performance, materials, components, accessories, and fabrication unless more stringent requirements are indicated.
1. Window Certification: WDMA certified with label attached to each window
- B. Performance Class and Grade: AAMA/WDMA/CSA 101/I.S.2/A440 as follows:

1. Double Hung: LC-PG30-H
2. Double Hung (Insert Style): LC-PG30-H.
3. Fixed: LC-PG30-FW.
4. Fixed (Insert Style): LC-PG30-FW.

C. Thermal Transmittance: NFRC 100 maximum whole-window U-factor of 0.30 Btu/sq. ft. x h x deg F.

D. Solar Heat-Gain Coefficient (SHGC): NFRC 200 maximum whole-window SHGC of 0.31.

### 2.2 WOOD WINDOWS

A. Basis-of-Design Products: Subject to compliance with requirements, provide the following products by one of the manufacturers listed in the window schedule or a comparable substitution approved by Architect.

1. Double Hung.
2. Double Hung (Insert Style).
3. Fixed/Direct Set.
4. Slider.

B. Frames and Sashes: Fine-grained wood lumber complying with AAMA/WDMA/CSA 101/I.S.2/A440; kiln dried to a moisture content of not more than 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide; water-repellent preservative treated.

1. Aluminum Finish: Manufacturer's standard. Color: As selected by Architect from manufacturer's full range.
2. Wood Surfaces: Factory primed.
3. Insulating-Glass Units: ASTM E2190. Double insulated, low-e, clear glass unit, fully tempered where indicated on Drawings.
4. Limit Devices: Limit clear opening to 4 inches for ventilation; with custodial key release.
5. Weather Stripping: Provide full-perimeter weather stripping for each operable sash.
6. Extended Reach Range Kit for Accessible Units: Andersen Windows; Reach Range Lock Cover No. 9130384 or a comparable substitution subject to approval by Architect.

C. Exterior Finish: Aluminum-clad wood.

1. Aluminum Finish: Manufacturer's standard fluoropolymer two-coat system with fluoropolymer color topcoat containing not less than 70 percent PVDF resin by weight and complying with AAMA 2605.
  - a. Color: As selected by Architect from manufacturer's full range of standard and custom colors.
2. Interior Finish: Manufacturer's standard factory-prime coat and factory paint. Color TBD by architect.
  - a. Exposed Unfinished Wood Surfaces: Manufacturer's standard species.

D. Insulating-Glass Units: ASTM E 2190.

1. Product: Cardinal Glass; Dual LowE.
2. Unit Thickness: Window manufacturer's standard.
3. Glass: ASTM C 1036, Type 1, Class 1, q3.
  - a. Tint: Clear.
  - b. Kind: Fully tempered where indicated on Drawings.



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**A5.2**  
**WOOD WINDOW SPECS.**  
DATE: BID SET - 12.22.2023

## WINDOW SPECIFICATIONS (CONTINUED)

4. Lites: Two.
  5. Spacer: Manufacturer's standard.
  6. Filling: Fill space between glass lites with argon.
  7. Low-E Coating: Two layers sputtered on second surface.
- E. Glazing System: Manufacturer's standard factory-glazing system that produces weathertight seal.
- F. Hardware, General: Provide manufacturer's standard corrosion-resistant hardware sized to accommodate sash weight and dimensions.
1. Exposed Hardware Color and Finish: As selected by Architect from manufacturer's full range.
- G. Hung Window Hardware:
1. Jambliners: Extruded vinyl with a spring-loaded mechanical balancing system.
  2. Lock: Manufacturers' standard cam locks. Provide two locks on units 32 inches and wider.
  3. Tilt Latch: Spring loaded tilt latch is to engage and release the sash from the jambliner, allowing the sash to be tilted in and removed for cleaning.
- H. Weather Stripping: Provide full-perimeter weather stripping for each operable sash unless otherwise indicated.
- I. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.
1. Exposed Fasteners: Do not use exposed fasteners to greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.
- J. Aluminum Sheet: ASTM B209, alloy as standard with manufacturer for finish required, with temper as required to suit forming operations and performance required; with smooth, flat surface.
1. Opening Flashings: Form head and sill flashing with 2-inch- high, end dams as applicable. Fabricate from the following materials:
  2. Aluminum: 0.032 inch thick.
  3. Exposed Coil-Coat Finish:
    - a. Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instruction.
    - b. Color: Match exterior of windows.
- K. Insect Screens:
1. General: Fabricate insect screens to integrate with window frame. Provide screen for each operable exterior sash. Screen wickets are not permitted.
    - a. Type and Location: Half height, outside for double-hung sashes.
  2. Aluminum Frames: Complying with SMA 1004 or SMA 1201.
    - a. Finish for Exterior Screens: Matching color and finish of cladding.
  3. Glass-Fiber Mesh Fabric: 18-by-14 or 18-by-16 mesh of PVC-coated, glass-fiber threads; woven and fused to form a fabric mesh resistant to corrosion, shrinkage, stretch, impact damage, and weather deterioration. Comply with ASTM D 3656/D 3656M.
    - a. Mesh Color: Manufacturer's standard.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E 2112.
- B. Install windows level, plumb, square, true to line, without distortion, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.
- C. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.
- D. Install insect screens at end of construction, at a time determined by Owner.
- E. Clean exposed surfaces immediately after installing windows. Remove excess sealants, glazing materials, dirt, and other substances.
- F. Remove and replace sashes if glass has been broken, chipped, cracked, abraded, or damaged during construction period.

END OF SECTION 085200

## GYP SUM BOARD REPAIR SPECIFICATIONS

### SECTION 092900 - GYPSUM BOARD

#### 1.1 INTERIOR GYPSUM BOARD

- A. Manufacturers: Subject to compliance with requirements, provide the products listed in Part 2 by one of the following:
  1. CertainTeed Corp.
  2. Georgia-Pacific Gypsum LLC.
  3. Lafarge North America Inc.
  4. National Gypsum Company.
  5. Temple-Inland.
  6. USG Corporation.
- B. Gypsum Wallboard: ASTM C 1396/C 1396M.
  1. Product:
    - a. CertainTeed Corp.: ProRoc Regular
    - b. Georgia-Pacific Gypsum LLC; ToughRock.
    - c. Continental; Regular Drywall.
    - d. National Gypsum Company; Gold Bond BRAND
    - e. USG Corporation; SHEETROCK Brand.
  2. Thickness: 1/2 inch / 5/8 inch (match existing).

#### 1.2 TRIM ACCESSORIES

- A. Interior Trim: ASTM C 1047.
  1. Material: Galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized steel sheet.
  2. Shapes: Cornerbead.

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**A5.3**  
WOOD WINDOW SPECS.  
DATE: BID SET - 12.22.2023

PRELIMINARY  
NOT FOR  
CONSTRUCTION

**TYPICAL WINDOW DETAIL NOTES:**

1. TYPICAL WINDOW DETAILS ARE PROVIDED FOR REFERENCE AND REPRESENT THE ASSUMED TYPICAL CONDITION OF MOST WINDOWS. THE CONTRACTOR MUST ASSUME THAT THE HEAD, JAMB, AND SILL CONDITIONS OF THE EXISTING ROUGH OPENINGS WILL VARY, AND THE EXISTING INTERIOR AND EXTERIOR TRIM AND FINISHES WILL ALSO VARY.
2. THE DESIGN INTENT IS TO PROVIDE A WEATHERTIGHT WINDOW WITH FLASHING AS SHOWN IN THE DETAILS, WITH NEW ALUMINUM TRIM ON THE EXTERIOR WITH SIMILAR SIGHT LINE DIMENSIONS AS THE EXISTING WINDOWS AND TO REPAIR/REPLACE THE INTERIOR FINISHES TO MATCH THE EXISTING TYPICAL INTERIOR FINISHES AND WINDOW STOOLS.
3. THE CONTRACTOR MAY ADD P.T. WOOD BLOCKING NOT SHOWN IN THE DETAILS AS REQUIRED TO INSTALL THE WINDOWS - COORDINATE WITH ARCHITECT PRIOR TO PROCEEDING WITH DEVIATIONS FROM THESE DETAILS.

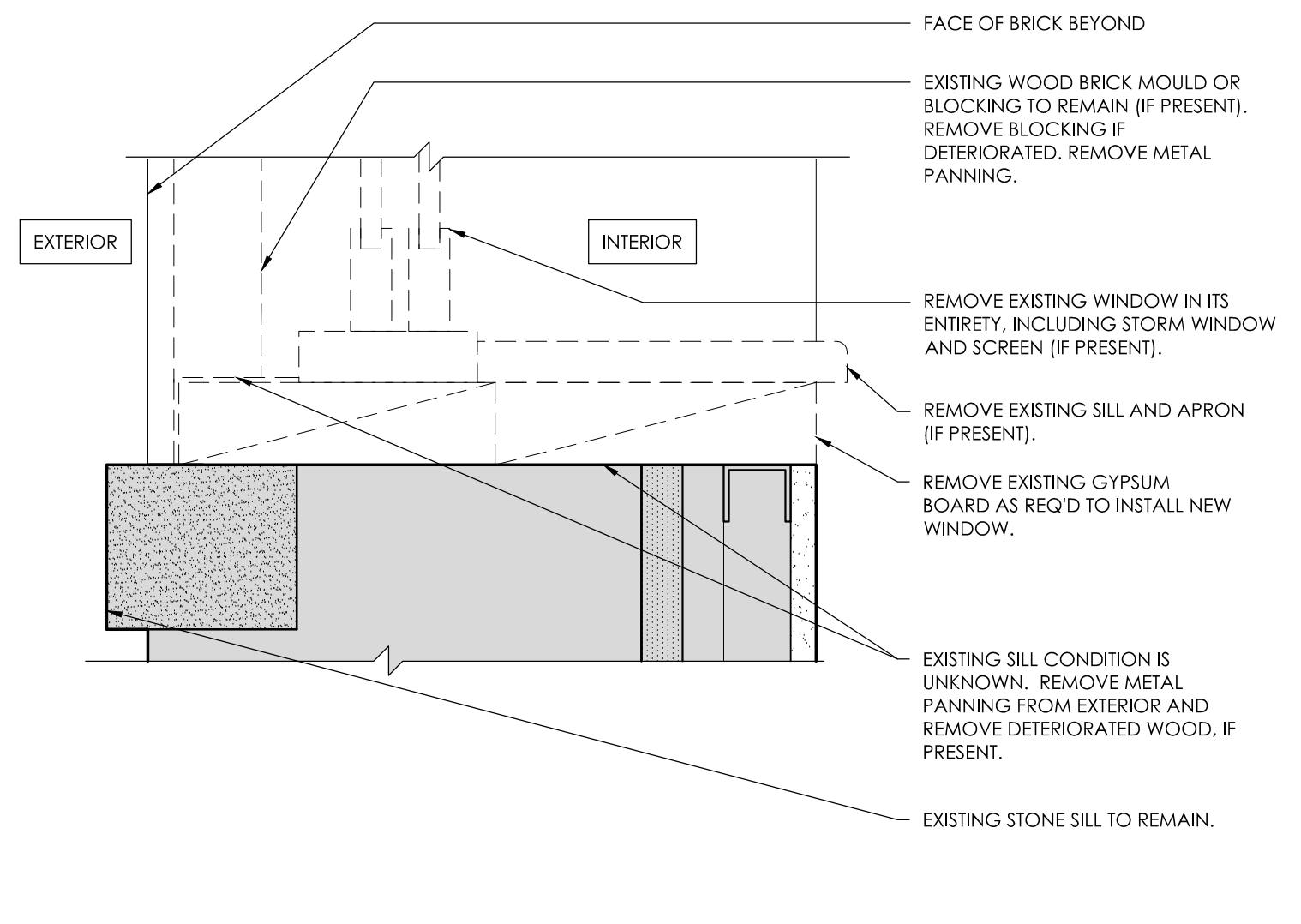
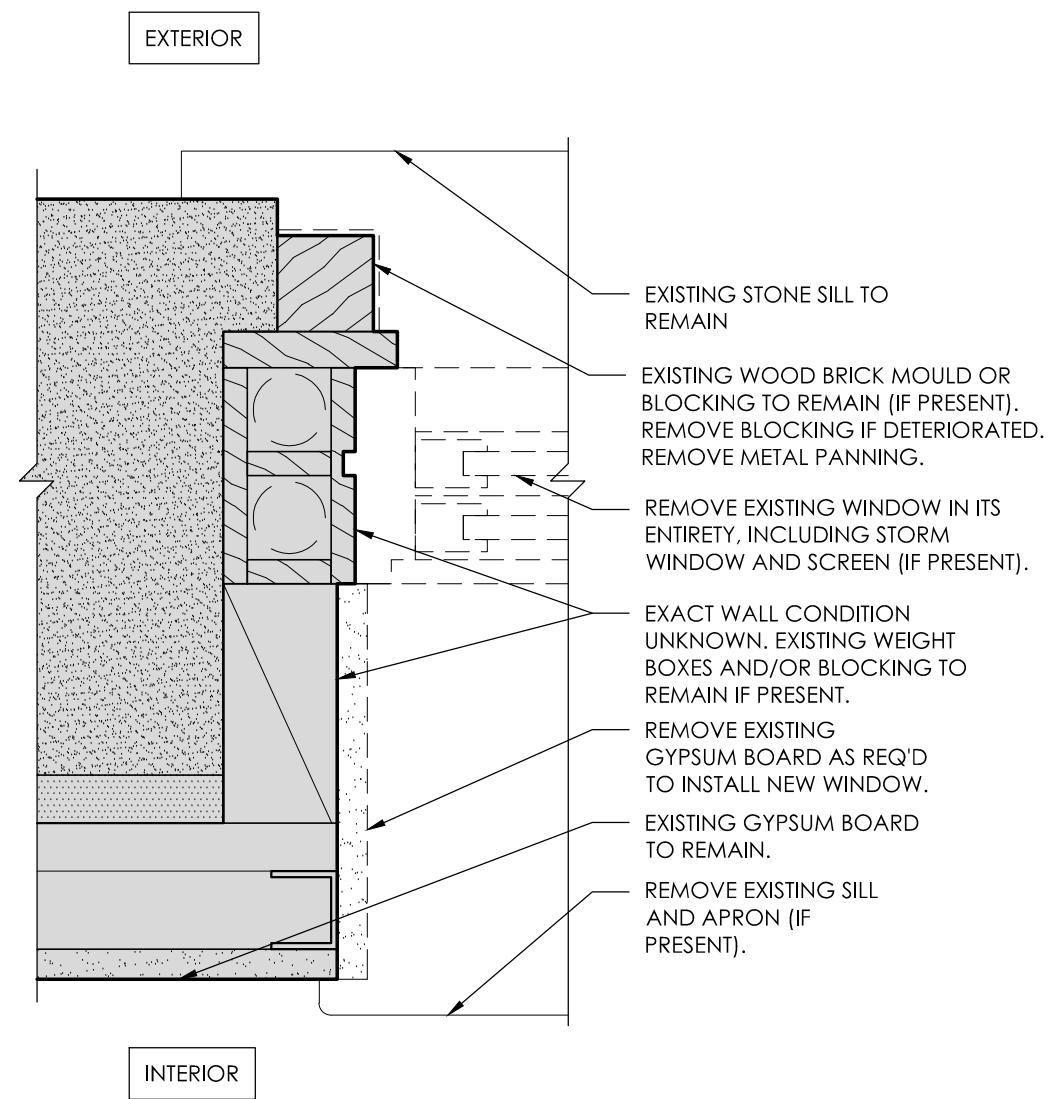
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**A5.4**  
TYP. WINDOW DETAILS  
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1  
A5.4  
3" = 1'-0"  
**DEMOLITION  
TYP. HUNG WINDOW JAMB DTL**

2  
A5.4  
3" = 1'-0"  
**DEMOLITION  
TYP. HUNG WINDOW SILL DTL**

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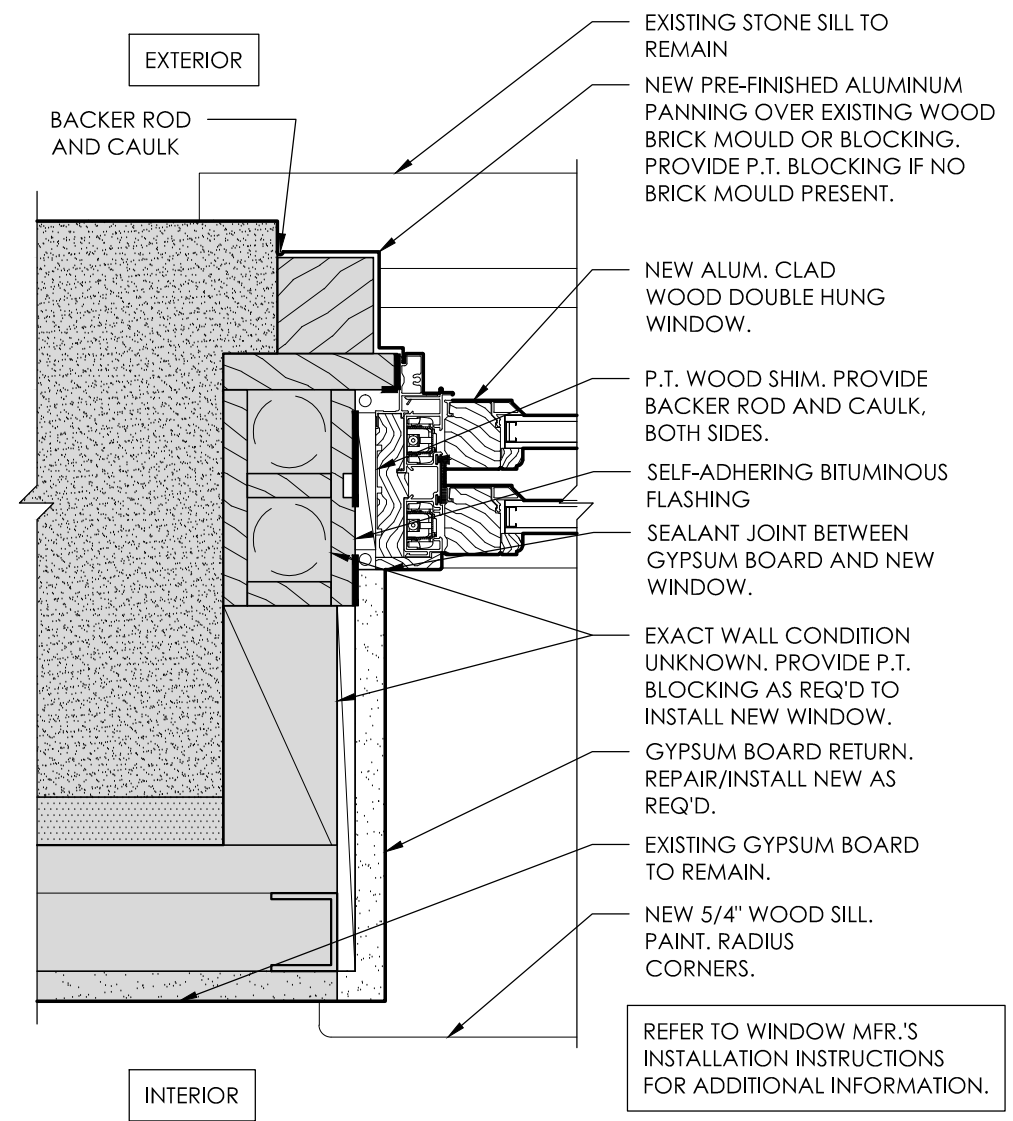
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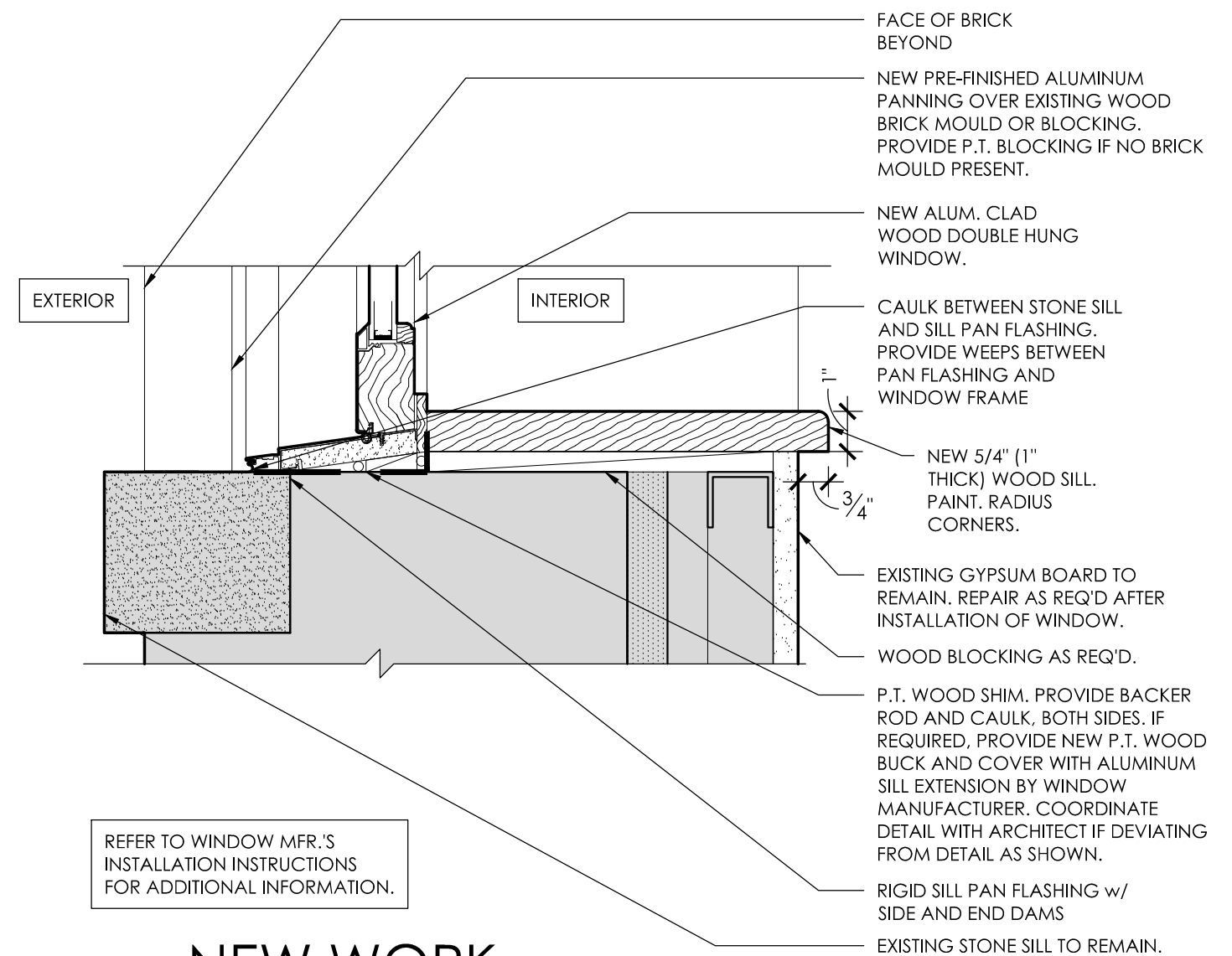
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**A5.5**  
TYP. WINDOW DETAILS  
DATE: BID SET - 12.22.2023



**NEW WORK**  
**TYP. HUNG WINDOW JAMB DTL**

1  
A5.5  
3" = 1'-0"



**NEW WORK**  
**TYP. HUNG WINDOW SILL DTL**

2  
A5.5  
3" = 1'-0"

# WINDOW REPLACEMENT: 1714 RACE ST. CINCINNATI OH

PRELIMINARY  
NOT FOR  
CONSTRUCTION

**CITYSTUDIOS**  
ARCHITECTURE  
1148 Main Street  
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Housing Authority



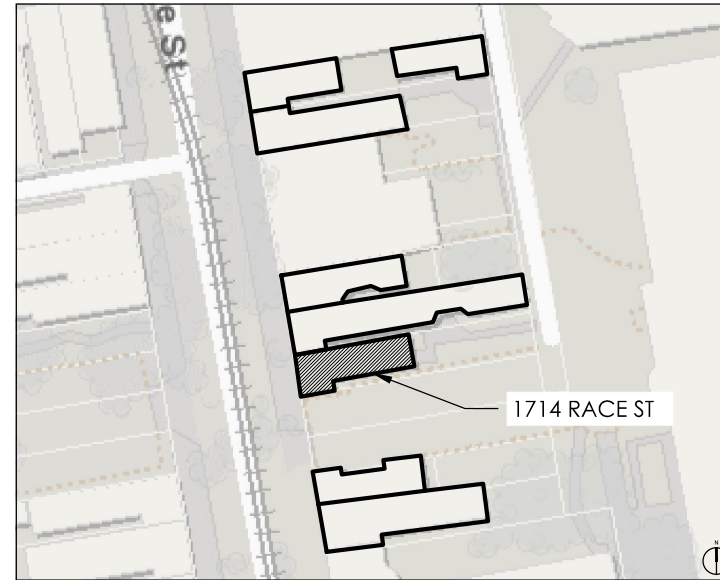
## GENERAL NOTES

1. THE GENERAL CONTRACTOR (G.C.) SHALL VERIFY ALL INFORMATION IN THESE DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEPARTURES FROM THESE PLANS NOT APPROVED IN WRITING BY THE ARCHITECT.
2. THE ARCHITECT HAS MADE NO INVESTIGATION TO DETERMINE IF ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL IS PRESENT IN EXISTING CONSTRUCTION AND ASSUMES NO RESPONSIBILITY WITH REGARD TO ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL.
3. THE G.C. IS TO REVIEW THESE DRAWINGS AND VISIT THE SITE BEFORE COMMENCING THE PROJECT IN ORDER TO FAMILIARIZE HIM OR HERSELF WITH THE PROPOSED WORK.
4. THE G.C. IS TO REMOVE ONLY THOSE ELEMENTS SLATED FOR DEMOLITION EITHER GRAPHICALLY OR BY NOTATION. NO OTHER ELEMENTS ARE TO BE REMOVED. IF THE CONTRACTOR QUESTIONS THE REMOVAL OF AN ELEMENT, OR IF THERE IS A CONFLICT BETWEEN THE NOTES AND THE GRAPHICS, CONTRACTOR IS TO ASK THE ARCHITECT IMMEDIATELY.
5. THE G.C. IS TO PROTECT AND SAVE BUILDING ELEMENTS CONNECTED TO, OR ADJ. TO, THOSE ELEMENTS WHICH ARE SLATED TO BE REMOVED.
6. THE G.C. SHALL NOT REMOVE ANY ELEMENTS WHICH MAY CAUSE THE STRUCTURE TO BECOME UNSTABLE, OR THAT WILL POSE A RISK TO PERSONS OR PROPERTY, EVEN IF INDICATED IN PLANS. IF ANY ELEMENTS BECOME UNSTABLE, CONTRACTOR IS TO STABILIZE AND SHALL INFORM THE ARCHITECT/OWNER IMMEDIATELY.
7. IT IS UP TO THE G.C. TO CONTINUALLY EVALUATE THE STRUCTURAL STABILITY OF THE BUILDING AND THE INTEGRITY OF ELEMENTS BOTH STRUCTURAL AND NON-STRUCTURAL THAT ARE SHOWN TO REMAIN. IF THE CONTRACTOR DETERMINES THAT SOME OF THESE ELEMENTS SHOULD BE REMOVED, HE/SHE MUST FIRST RECEIVE PERMISSION FROM THE ARCHITECT/OWNER, OR MAY BE FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF THESE ELEMENTS.
8. THE G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL TRASH AND DEBRIS THROUGHOUT THE WORK. ALL DEBRIS MUST BE REMOVED AND DISCARDED IN A SAFE AND LEGAL MANNER.
9. THE G.C. IS RESPONSIBLE FOR THE PROCUREMENT OF ANY ADDITIONAL MATERIALS, EQUIPMENT, AND PERMITS AND FOR ANY FEES, PENALTIES OR RENTAL COSTS ASSOCIATED WITH THE DEMOLITION WORK.
10. THE G.C. IS TO PROTECT THE BUILDING FROM THE ELEMENTS, THEFT AND VANDALISM AT ALL TIMES DURING WORK.
11. **THE PLAN AND ELEVATION DRAWINGS ARE TO SHOW LOCATIONS AND QUANTITIES OF WINDOW REPLACEMENT ONLY. ANY NOTATIONS OTHER THAN THE WINDOW TAGS AND KEYNOTES ON THE PLAN AND ELEVATION DRAWINGS DO NOT APPLY TO THIS PROJECT.**

## DRAWING INDEX

- A0.0** COVER SHEET, GENERAL NOTES, DRAWING INDEX, LOCATION PLAN, PROJECT INFORMATION
- A3.1** FIRST FLOOR PLAN
- A3.2** SECOND FLOOR PLAN
- A3.3** THIRD FLOOR PLAN
- A4.0** WEST & EAST ELEVATION
- A4.1** NORTH ELEVATION
- A5.0** WINDOW NOTES
- A5.1** WINDOW SCHEDULE
- A5.2** WOOD WINDOW SPECIFICATIONS
- A5.3** WOOD WINDOW SPECIFICATIONS
- A5.4** TYPICAL WINDOW DETAILS
- A5.5** TYPICAL WINDOW DETAILS

## LOCATION PLAN (NOT TO SCALE)



## PROJECT INFORMATION

- 1. PROJECT LOCATION:**  
1714 RACE ST. CINCINNATI OH 45202
- 2. DESCRIPTION:**  
THE PROJECT IS THE REPLACEMENT OF WINDOWS IN A MULTI-STORY, MULTI-FAMILY RESIDENTIAL BUILDING. THE WORK IS LIMITED TO REMOVAL OF EXISTING WINDOW UNITS AND BRICKMOULD COVERINGS, INSTALLATION OF NEW WINDOWS AND NEW EXTERIOR BRICKMOULD COVERING WINDOW TRIM, AND REPAIR OF INTERIOR FINISHES AND TRIM AROUND THE WINDOW OPENINGS AFTER THE WINDOWS ARE INSTALLED. THERE IS NO CHANGE TO THE USE, OCCUPANCY, CONSTRUCTION TYPE, OR MEANS OF EGRESS.  
  
THE ATTACHED DOCUMENTS ARE TO BE USED FOR BIDDING, PERMITTING, AND CONSTRUCTION. TO DETERMINE PROJECT COST AND SCOPE OF WORK, THE DOCUMENTS INCLUDE ALTERNATE ACCEPTABLE WINDOW PRODUCTS AND ALTERNATE SCOPES OF WORK RELATED TO WINDOW REPLACEMENT. AFTER EVALUATION OF BIDS, THE FINAL SCOPE OF WORK AND ALTERNATE SCOPES DESCRIBED IN THESE DOCUMENTS WILL BE DETERMINED. (SEE "BID ALTERNATES" ON SHEET A0.0 FOR ADDITIONAL INFORMATION.)
- 3. GOVERNING CODE:**  
2017 OBC (OHIO BUILDING CODE)
- 4. ZONING DESIGNATION:**  
CC-P, COMMERCIAL COMMUNITY-PEDESTRIAN OVER THE RHINE HISTORIC DISTRICT

- 5. CONSTRUCTION TYPE:**  
EXISTING CONSTRUCTION CLASSIFICATION IS IIIB. NO CHANGE TO CONSTRUCTION CLASSIFICATION IS PROPOSED.
- 6. USE GROUPS/OCCUPANCY/EXIT REQUIREMENTS:**  
THE BUILDING IS RESIDENTIAL USE (R-2). NO CHANGES ARE PROPOSED TO THE BUILDING USE, OCCUPANCY, EXITING, HEIGHT, AREA, ETC.
- 7. FIRE PROTECTION:**  
THE BUILDING IS NOT PROTECTED WITH AN AUTOMATIC SPRINKLER SYSTEM, AN EXISTING NON-CONFORMING CONDITION WHICH WILL REMAIN.
- 8. WINDOWS ALONG FIRE ESCAPES:**  
PER OBC 3406.5, WINDOWS ALONG FIRE ESCAPES ARE REQUIRED TO BE PROTECTED WITH 3/4-HOUR OPENING PROTECTIVES.  
  
NEW WINDOWS ALONG FIRE ESCAPES WILL HAVE 3/4-HOUR FIRE RESISTANCE RATING.  
  
THE CONTRACTOR IS TO PROVIDE AN ALTERNATIVE PRICE TO LEAVE THE EXISTING NON-FIRE RATED WINDOWS IN PLACE WHICH WOULD CONSTITUTE AN EXISTING NON-CONFORMING CONDITION TO REMAIN.

## BID ALTERNATES

- BID ALTERNATE NOTE:**  
THE BIDDING CONTRACTOR IS TO PROVIDE A SEPARATE LINE ITEM PRICE FOR EACH OF THE FOLLOWING ADD/DEDUCT ALTERNATES SO THAT THE OWNER CAN EVALUATE THE COST IMPACT OF EACH ITEM. AFTER EVALUATION OF BIDS, THE FINAL SCOPE OF ALTERNATE WORK WILL BE DETERMINED.
- 1. FIRE-RATED WINDOWS (TYPE "E"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE WINDOWS ALONG FIRE ESCAPES, AND TO LEAVE THE EXISTING WINDOWS IN PLACE IN THESE LOCATIONS.
  - 2. FIXED/PICTURE WINDOWS (TYPE "D"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE THE EXISTING FIXED/PICTURE WINDOWS, AND TO LEAVE THE EXISTING WINDOWS IN PLACE IN THESE LOCATION.
  - 3. FIXED/PICTURE WINDOWS IN UNOCCUPIED ATTICS (TYPE "D.1 & G.1"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE EXISTING ATTIC WINDOWS IN UNOCCUPIED ATTICS, AND TO LEAVE THESE WINDOWS IN PLACE. SEE PLANS AND ELEVATIONS FOR LOCATIONS OF UNOCCUPIED ATTICS.
  - 4. EXISTING HISTORIC STEEL WINDOWS (TYPE "F"):** PROVIDE A DEDUCT ALTERNATE PRICE TO OMIT THE REPAIR OF THE (2) EXISTING HISTORIC STEEL WINDOWS, AND TO REMOVE THIS FROM THE SCOPE OF WORK.
  - 5. INTERIOR WINDOW FINISH:** PROVIDE AN ALTERNATE PRICE TO PROVIDE FACTORY-PRIMED, FIELD-PAINTED WINDOWS. (BASIS OF DESIGN IS FACTORY-PAINTED, SEE ATTACHED SPECIFICATIONS).
  - 6. EXTERIOR TRIM PAINTING:** PROVIDE AN ADD ALTERNATE PRICE TO INSTALL ALUMINUM PANNING AT THE NEW ARCH-TOP WINDOW HEAD TRIM (BASIS OF DESIGN IS NEW PAINTED WOOD TRIM). SEE FRONT ELEVATIONS FOR LOCATIONS AND QUANTITIES.
  - 7. BLINDS:** PROVIDE AN ADD ALTERNATE PRICE TO PROVIDE BLINDS FOR ALL OPERABLE WINDOWS - 1" HORIZONTAL LOUVER BLINDS WITH VINYL/POLYMER SLATS.

WINDOW  
REPLACEMENT  
1714 Race Street  
Cincinnati OH 45202

**A0.0**  
COVER SHEET

DATE: BID SET - 12.22.2023



PLAN AND ELEVATION GENERAL NOTES

- DO NOT SCALE DRAWINGS. REFER TO PLANS, VERIFY DIMENSIONS IN FIELD.
- LOAD-BEARING WALLS, COLUMNS, BEAMS, AND STRUCTURAL ELEMENTS TO REMAIN, U.N.O.
- PATCH AND REPAIR ALL SURFACES TO MATCH EXISTING ADJACENT CONSTRUCTION AT AREAS OF DEMOLITION AND NEW CONSTRUCTION.
- PROVIDE WINDOWS WHICH FULLY FIT THE EXISTING OPENINGS. ALL EXISTING WINDOW OPENING DIMENSIONS ARE TO BE FIELD VERIFIED. ALL OPENINGS MUST BE ASSUMED TO BE UNIQUE.
- REFER TO SHEET A0.0 FOR BID ALTERNATES.
- ALL FINISH COLORS TO BE SELECTED BY OWNER AND ARCHITECT.
- THE PLAN AND ELEVATION DRAWINGS ARE TO SHOW LOCATIONS AND QUANTITIES OF WINDOW REPLACEMENT ONLY. ANY NOTATIONS OTHER THAN THE WINDOW TAGS AND KEYNOTES ON THE PLAN AND ELEVATION DRAWINGS DO NOT APPLY TO THIS PROJECT.**

# PLAN AND ELEVATION KEYNOTES

- AT LOCATION OF EXISTING VERTICAL MULLION, VERIFY IN FIELD IF THIS IS A STRUCTURAL WOOD MULLION WHICH IS SUPPORTING THE LINTEL ABOVE, OR A MULLED WINDOW UNIT. IF IT IS DETERMIED THAT A STRUCTURAL WOOD MULLION IS PRESENT, DO NOT REMOVE, CONTACT ARCHITECT FOR DIRECTION. IN THIS CASE IT MAY BE NECESSARY TO LEAVE THE MULLION IN PLACE AND INSTALL TWO WINDOW UNITS RATHER THAN A SINGLE MULLED WINDOW.
- REPLACE EXISTING WOOD WINDOW TRIM. PAINT. SEE EXTERIOR ELEVATIONS AND "BID ALTERNATES" ON SHEET A0.0 FOR ADDITIONAL INFORMATION.

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NOT FOR  
CONSTRUCTION

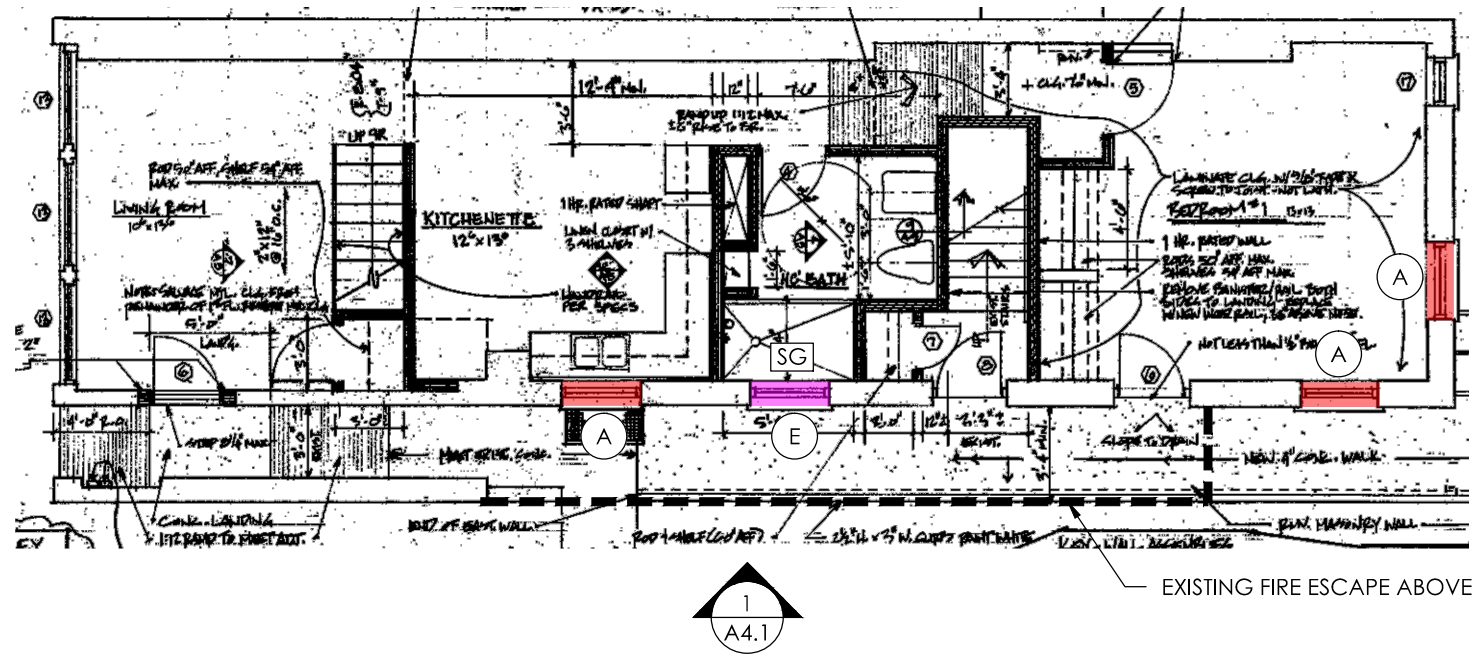
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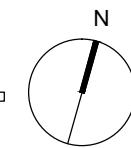


WINDOW  
REPLACEMENT  
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Cincinnati OH 45202

**A3.1**  
FIRST FLOOR PLAN  
DATE: BID SET - 12.22.2023



1 A3.1  
**FIRST FLOOR PLAN**  
1/8" = 1'-0"



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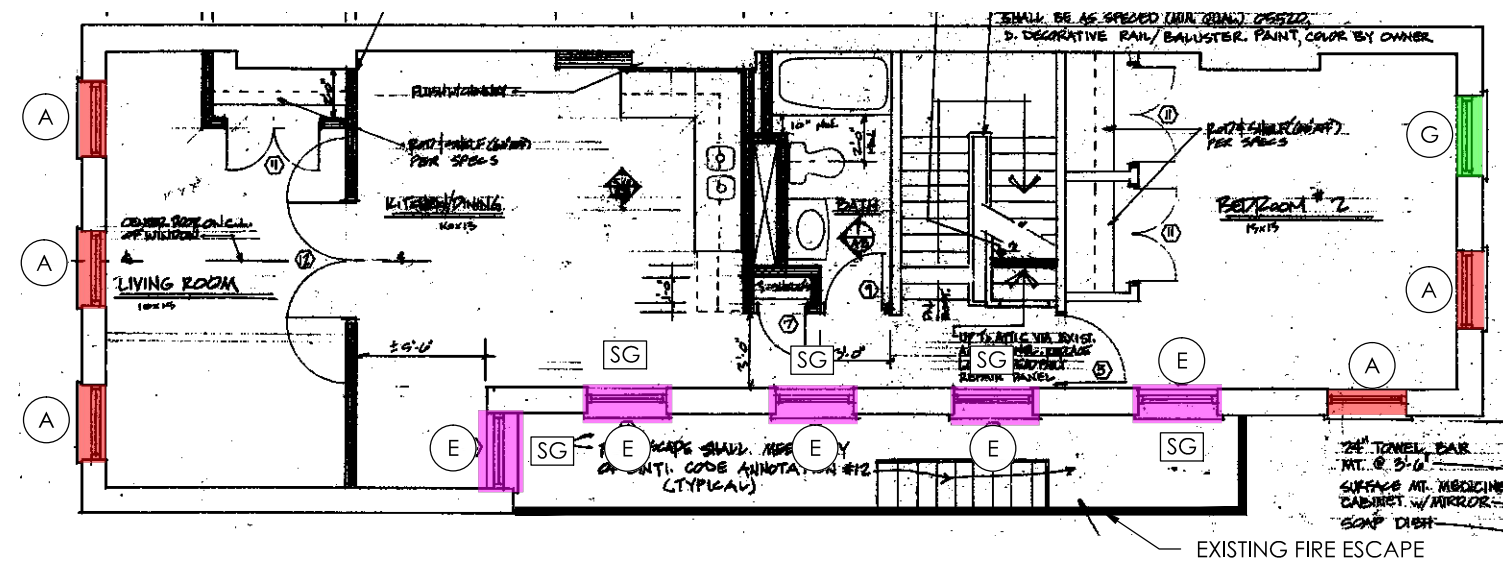
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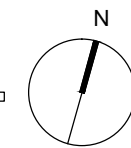
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1  
A3.2  
**SECOND FLOOR PLAN**  
1/8" = 1'-0"



**A3.2**  
SECOND FLOOR PLAN  
DATE: BID SET - 12.22.2023

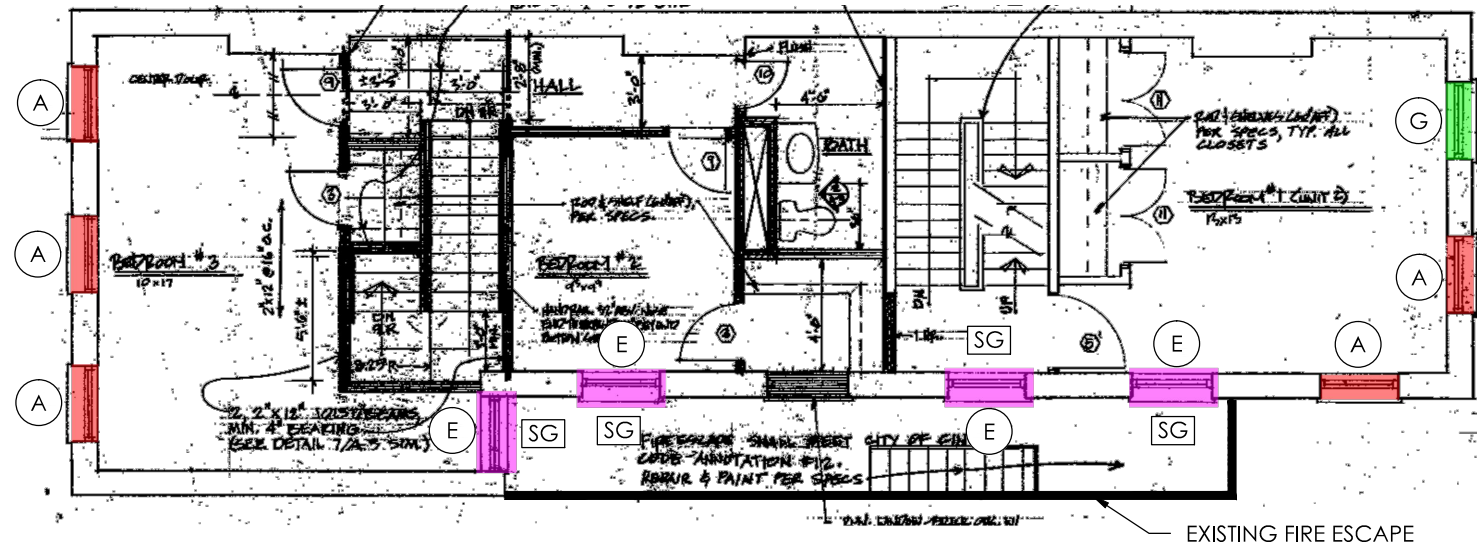
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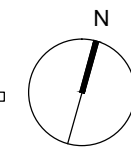
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PRELIMINARY  
NOT FOR  
CONSTRUCTION



1  
A3.3  
THIRD FLOOR PLAN  
1/8" = 1'-0"



WINDOW  
REPLACEMENT  
1714 Race Street  
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A3.3  
THIRD FLOOR PLAN  
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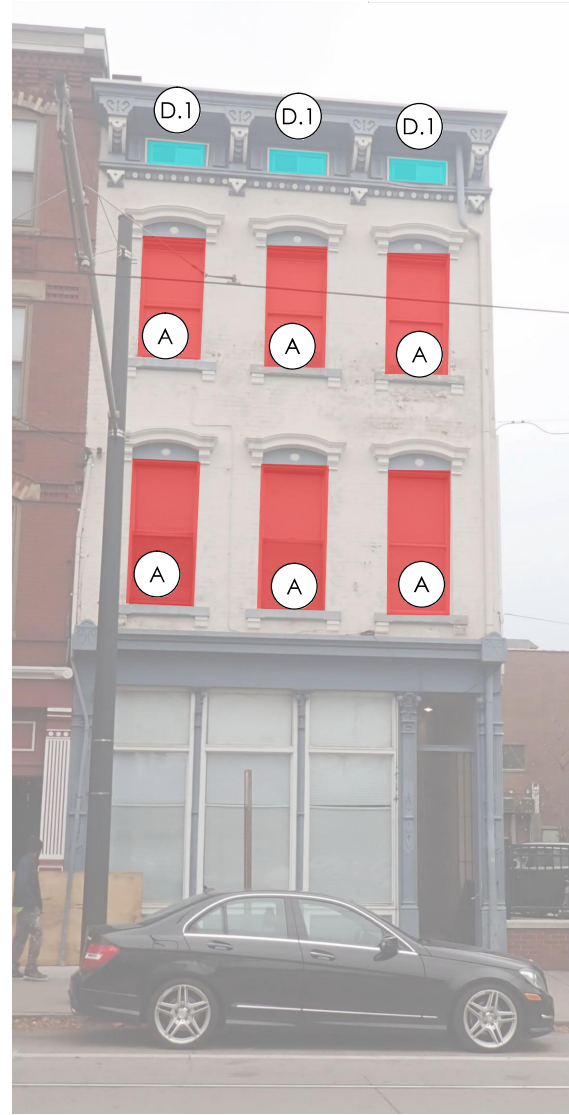
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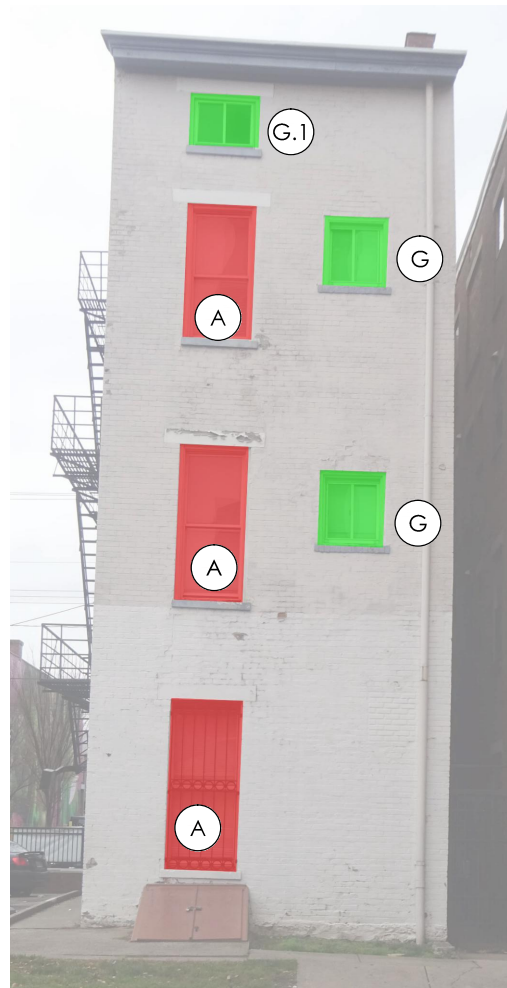
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1 WEST ELEVATION  
A4.0 1/8" = 1'-0"



2 EAST ELEVATION  
A4.0 1/8" = 1'-0"



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**A4.0**  
WEST & EAST ELEVATIONS  
DATE: BID SET - 12.22.2023

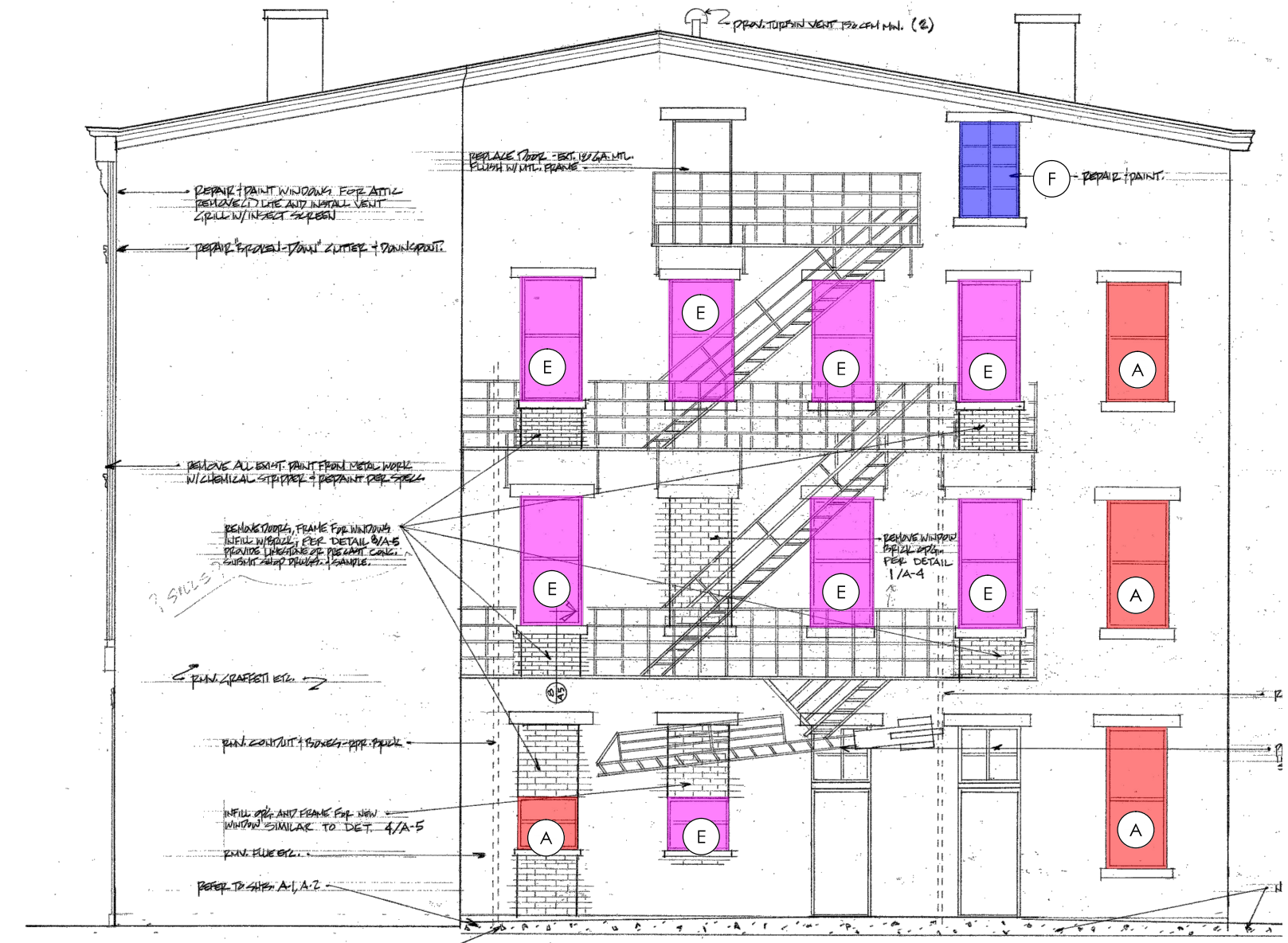
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PRELIMINARY  
NOT FOR  
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1 SOUTH ELEVATION  
A4.1 1/8" = 1'-0"

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**A4.1**  
SOUTH ELEVATION  
DATE: BID SET - 12.22.2023

WINDOW GENERAL NOTES

1. **CITY OF CINCINNATI HISTORIC DISTRICT REQUIREMENTS:** REPLACEMENT WINDOWS ARE REQUIRED TO MATCH THE ORIGINAL MATERIAL, SIZE, AND STYLE, AS CLOSELY AS POSSIBLE. THE WINDOW PRODUCTS INCLUDED IN THE WINDOW SCHEDULE HAVE PREVIOUSLY BEEN APPROVED BY THE CITY OF CINCINNATI AS HISTORICALLY COMPATIBLE REPLACEMENT WINDOWS. THE CONTRACTOR MAY PROPOSE ALTERNATE WINDOWS, SUBJECT TO APPROVAL BY OWNER, ARCHITECT, AND THE CITY ZONING DEPARTMENT.
2. **WINDOW ENERGY PERFORMANCE:**
  - NON-RATED WINDOWS: U-VALUE  $\leq$  0.30 REQUIRED. SHGC  $\leq$  0.30 PREFERRED.
  - FIRE-RATED WINDOWS: U-VALUE  $\leq$  0.40 REQUIRED. SHGC  $\leq$  0.30 PREFERRED.
  - GLAZING TO BE CLEAR, LOW-E GLASS.
3. **INTERIOR FINISHES AND TRIM:** IT IS ASSUMED THAT THE TYPICAL INTERIOR FINISH CONDITION IS GYPSUM BOARD RETURNS AT JAMBS AND HEAD, AND PAINTED WOOD STOOLS. THE INTERIOR FINISHES ARE TO REMAIN TO THE GREATEST EXTENT FEASIBLE, AND TO BE REPAIRED AND REPAINTED TO MATCH THE EXISTING CONDITION AFTER WINDOW INSTALLATION. SEE TYPICAL WINDOW DETAILS IN SHEET A5.2.
4. **WINDOW OPENING CONTROL DEVICES:** PER OBC 1015.8 & 1015.8.1, OPERABLE WINDOWS WHERE THE TOP OF THE SILL IS LOCATED LESS THAN 36" AFF, AND MORE THAN 72" ABOVE GRADE OR OTHER SURFACE ON THE EXTERIOR OF THE BUILDING, SHALL BE PROVIDED WITH WINDOW OPENING CONTROL DEVICES THAT COMPLY WITH ASTM F 2090. AFTER OPERATION TO RELEASE THE CONTROL DEVICE, THE WINDOW SHALL BE OPENABLE TO IT FULL OPEN POSITION. (VERIFY WINDOW SILL HEIGHTS IN FIELD.)
5. **WINDOW LOCK ACCESSIBILITY:** PROVIDE EXTENDED REACH RANGE LOCK AT ALL OPERABLE WINDOWS IN ACCESSIBLE DWELLING UNITS. COORDINATE WITH OWNER FOR LOCATIONS OF ACCESSIBLE UNITS.
6. REMOVE EXISTING STORM WINDOWS, SCREENS, AND WINDOW UNITS DOWN TO HISTORIC WINDOW WEIGHT BOXES OR BLOCKING (IF PRESENT). REFER TO TYPICAL WINDOW DETAILS.
7. PROVIDE CUSTOM SIZED WINDOWS TO FIT EXISTING OPENINGS. VERIFY WINDOW OPENING SIZES IN FIELD.
8. REMOVE EXISTING WINDOW BLINDS AS REQUIRED FOR NEW WORK. PROTECT AND REINSTALL AFTER REPLACEMENT OF WINDOWS. SEE "BID ALTERNATES" ON SHEET A0.0 FOR REPLACEMENT WINDOW BLINDS.
9. PROVIDE P.T. BLOCKING AS REQUIRED AT PERIMETER OF EXISTING OPENING.
10. PROVIDE A FULL HEIGHT INSECT SCREEN AT ALL OPERABLE WINDOWS.
11. PROVIDE CONCEALED JAMB LINERS TO MATCH WINDOW COLOR AT ALL REPLACEMENT WINDOWS.
12. WINDOW SASHES LOCATED WITH 3'-0" OF AN EXHAUST VENT SHALL BE FIXED IN PLACE.

**SAFETY GLAZING NOTES:**

SG SAFETY GLAZING REQUIRED (SEE FLOOR PLANS)

PROVIDE SAFETY GLAZING AT ALL NEW WINDOW LOCATIONS INDICATED IN DRAWINGS AND AS REQUIRED BY SECTION 2406.4 OBC, INCLUDING BUT NOT LIMITED TO LOCATIONS LISTED BELOW. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATIONS BASED ON REQUIREMENTS OF OBC. SAFETY GLAZING LOCATIONS INDICATED ON THE PLANS ARE FOR REFERENCE.

1. GLAZING W/ IN 24" OF EITHER VERTICAL EDGE OF DOOR IN CLOSED POSITION.
2. GLAZING WHERE BOTTOM EDGE OF PANEL IS LESS THAN 18" AFF.
3. GLAZING ADJACENT TO STAIR & RAMP LANDINGS, STAIRS, RAMPS, AND FIRE ESCAPE LANDINGS.
4. GLAZING ADJACENT TO BATHTUBS AND SHOWERS.



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**A5.0**  
WINDOW NOTES  
DATE: BID SET - 12.22.2023

**WINDOW SCHEDULE**

WINDOW No.	WINDOW TYPE	MATERIAL	MANUFACTURER/PRODUCT	NOTES
A	1/1 DOUBLE-HUNG	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD WIDE RAIL DH	CLEAR IG DUAL LOW-E 272 w/ARGON OR EQUIVALENT
			<b>TRIMLINE:</b> LEGENDS DHC300	CARDINAL LoE-270 OR EQUIVALENT
			<b>QUAKER:</b> BRIGHTON DOUBLE HUNG	EnergyPlus LoE-272 w/ARGON OR EQUIVALENT
			<b>WEATHERSHIELD:</b> SIGNATURE DOUBLE HUNG	3/4" Zo-e-shield 5 EXTREME OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE DOUBLE HUNG	UN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>PELLA:</b> ARCHITECT DOUBLE HUNG	ADVANCED LOW-E IG OR EQUIVALENT
			<b>MARVIN:</b> ULTIMATE DOUBLE HUNG G2	LOW E2 OR EQUIVALENT
		<b>ANDERSEN:</b> 400 SERIES WOODWRIGHT DOUBLE HUNG	LOW-E4 SMARTSUN OR EQUIVALENT	
		FIBERGLASS	<b>RENEWAL BY ANDERSEN:</b> DOUBLE HUNG	LOW-E4 SMARTSUN OR EQUIVALENT
		<b>GILKEY:</b> G-SERIES DOUBLE HUNG	LOW-E 270 OR EQUIVALENT	
B	(2) 1/1 DOUBLE-HUNG	ALUMINUM CLAD WOOD	SEE WINDOW TAG "A" MANUFACTURERS/PRODUCTS	FACTORY-MULLED WINDOW UNIT
C			NOT USED	
D (D.1 WHERE OCCURS IN UNOCCUPIED ATTICS)	DIRECT SET PICTURE	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD DIRECT SET	CLEAR IG LowE-366 LAMINATED w/ARGON OR EQUIVALENT
			<b>TRIMLINE:</b> LEGENDS DHC300	CARDINAL LoE-270 OR EQUIVALENT
			<b>QUAKER:</b> BRIGHTON PICTURE	Energy 3S LoE-366 w/ARGON OR EQUIVALENT
			<b>WEATHERSHIELD:</b> SIGNATURE DIRECT SET	3/4" Zo-e-shield 5 w/ARGON OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE PICTURE FIXED	UN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>PELLA:</b> ARCHITECT PICTURE	SUNDEFENSE LOW-E IG OR EQUIVALENT
			<b>MARVIN:</b> ULTIMATE PICTURE	LOW E2 OR EQUIVALENT
			<b>ANDERSEN:</b> 400 SERIES WOODWRIGHT PICTURE	LOW-E4 SMARTSUN OR EQUIVALENT
E	1/1 DOUBLE-HUNG AT FIRE ESCAPES	ALUMINUM CLAD WOOD	<b>THERMALLY BROKEN STEEL USA:</b> FIRE-RATED SINGLE-HUNG WINDOW	SELF-CLOSING, FIRE-RATED WINDOW
F	HISTORIC	STEEL	N/A	EXISTING WINDOW TO REMAIN. REMOVE RUST, RESEAL GLAZING AND ENSURE WINDOW IS WEATHER-TIGHT. REPAINT.
G G.1 WHERE OCCURS IN UNOCCUPIED ATTICS)	SLIDING	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD GLIDER	CLEAR IG DUAL LowE OR LowE-366 w/ARGON OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE SLIDING	SUN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>ANDERSEN:</b> 400 SERIES GLIDING	LOW-E4 SMARTSUN OR EQUIVALENT

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**A5.1**  
WINDOW SCHEDULE  
DATE: BID SET - 12.22.2023

**WINDOW GENERAL NOTES**

- REFER TO WINDOW GENERAL NOTES ON SHEET A5.0 FOR HISTORIC AND ENERGY PERFORMANCE REQUIREMENTS.
- THE WINDOW MANUFACTURERS AND PRODUCTS LISTED IN THE WINDOW SCHEDULE ARE ACCEPTABLE WINDOW PRODUCTS. FOR BIDDING, THE CONTRACTOR SHALL SELECT THE MOST COST-EFFECTIVE PRODUCT FROM THE LIST OF ACCEPTABLE PRODUCTS. THE CONTRACTOR MAY ALSO PROPOSE AN ALTERNATIVE PRODUCT THAT IS NOT LISTED IF IT MEETS ALL SPECIFICATIONS AND REQUIREMENTS.

# WINDOW SPECIFICATIONS

## SECTION 085200 - WOOD WINDOWS PART 1 - GENERAL

### 1.1 SUMMARY

- A. Section includes:
1. Aluminum-clad wood windows.

### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.
- C. Samples: For each exposed product and for each color specified.

### 1.3 INFORMATIONAL SUBMITTALS

- A. Product test reports.
- B. Sample warranties.

### 1.4 QUALITY ASSURANCE

- A. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
1. Build mockup of window installation at each type of historic window opening at locations as selected by Architect.
  2. Include brickmold, sealant, flashings, interior trim, and exposed brick cleaning, pointing, and repair.
  3. Mockup to be approved before beginning installation of other windows.
  4. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  5. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

### 1.5 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace wood windows that fail in materials or workmanship within specified warranty period.
1. Warranty Period:
    - a. Window: 10 years from date of Substantial Completion.
    - b. Glazing Units: 20 years from date of Substantial Completion.
    - c. Aluminum-Cladding Finish: 20 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 WINDOW PERFORMANCE REQUIREMENTS

- A. Product Standard: Comply with AAMA/WDMA/CSA 101/I.S.2/A440 for definitions and minimum standards of performance, materials, components, accessories, and fabrication unless more stringent requirements are indicated.
1. Window Certification: WDMA certified with label attached to each window
- B. Performance Class and Grade: AAMA/WDMA/CSA 101/I.S.2/A440 as follows:

1. Double Hung: LC-PG30-H
2. Double Hung (Insert Style): LC-PG30-H.
3. Fixed: LC-PG30-FW.
4. Fixed (Insert Style): LC-PG30-FW.

C. Thermal Transmittance: NFRC 100 maximum whole-window U-factor of 0.30 Btu/sq. ft. x h x deg F.

D. Solar Heat-Gain Coefficient (SHGC): NFRC 200 maximum whole-window SHGC of 0.31.

### 2.2 WOOD WINDOWS

A. Basis-of-Design Products: Subject to compliance with requirements, provide the following products by one of the manufacturers listed in the window schedule or a comparable substitution approved by Architect.

1. Double Hung.
2. Double Hung (Insert Style).
3. Fixed/Direct Set.
4. Slider.

B. Frames and Sashes: Fine-grained wood lumber complying with AAMA/WDMA/CSA 101/I.S.2/A440; kiln dried to a moisture content of not more than 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide; water-repellent preservative treated.

1. Aluminum Finish: Manufacturer's standard. Color: As selected by Architect from manufacturer's full range.
2. Wood Surfaces: Factory primed.
3. Insulating-Glass Units: ASTM E2190. Double insulated, low-e, clear glass unit, fully tempered where indicated on Drawings.
4. Limit Devices: Limit clear opening to 4 inches for ventilation; with custodial key release.
5. Weather Stripping: Provide full-perimeter weather stripping for each operable sash.
6. Extended Reach Range Kit for Accessible Units: Andersen Windows; Reach Range Lock Cover No. 9130384 or a comparable substitution subject to approval by Architect.

C. Exterior Finish: Aluminum-clad wood.

1. Aluminum Finish: Manufacturer's standard fluoropolymer two-coat system with fluoropolymer color topcoat containing not less than 70 percent PVDF resin by weight and complying with AAMA 2605.
  - a. Color: As selected by Architect from manufacturer's full range of standard and custom colors.
2. Interior Finish: Manufacturer's standard factory-prime coat and factory paint. Color TBD by architect.
  - a. Exposed Unfinished Wood Surfaces: Manufacturer's standard species.

D. Insulating-Glass Units: ASTM E 2190.

1. Product: Cardinal Glass; Dual LowE.
2. Unit Thickness: Window manufacturer's standard.
3. Glass: ASTM C 1036, Type 1, Class 1, q3.
  - a. Tint: Clear.
  - b. Kind: Fully tempered where indicated on Drawings.



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**A5.2**  
**WOOD WINDOW SPECS.**  
DATE: BID SET - 12.22.2023



## WINDOW SPECIFICATIONS (CONTINUED)

4. Lites: Two.
5. Spacer: Manufacturer's standard.
6. Filling: Fill space between glass lites with argon.
7. Low-E Coating: Two layers sputtered on second surface.

E. Glazing System: Manufacturer's standard factory-glazing system that produces weathertight seal.

F. Hardware, General: Provide manufacturer's standard corrosion-resistant hardware sized to accommodate sash weight and dimensions.

1. Exposed Hardware Color and Finish: As selected by Architect from manufacturer's full range.

G. Hung Window Hardware:

1. Jambliners: Extruded vinyl with a spring-loaded mechanical balancing system.
2. Lock: Manufacturers' standard cam locks. Provide two locks on units 32 inches and wider.
3. Tilt Latch: Spring loaded tilt latch is to engage and release the sash from the jambliner, allowing the sash to be tilted in and removed for cleaning.

H. Weather Stripping: Provide full-perimeter weather stripping for each operable sash unless otherwise indicated.

I. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.

1. Exposed Fasteners: Do not use exposed fasteners to greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.

J. Aluminum Sheet: ASTM B209, alloy as standard with manufacturer for finish required, with temper as required to suit forming operations and performance required; with smooth, flat surface.

1. Opening Flashings: Form head and sill flashing with 2-inch- high, end dams as applicable. Fabricate from the following materials:
2. Aluminum: 0.032 inch thick.
3. Exposed Coil-Coat Finish:
  - a. Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instruction.
  - b. Color: Match exterior of windows.

K. Insect Screens:

1. General: Fabricate insect screens to integrate with window frame. Provide screen for each operable exterior sash. Screen wickets are not permitted.
  - a. Type and Location: Half height, outside for double-hung sashes.
2. Aluminum Frames: Complying with SMA 1004 or SMA 1201.
  - a. Finish for Exterior Screens: Matching color and finish of cladding.
3. Glass-Fiber Mesh Fabric: 18-by-14 or 18-by-16 mesh of PVC-coated, glass-fiber threads; woven and fused to form a fabric mesh resistant to corrosion, shrinkage, stretch, impact damage, and weather deterioration. Comply with ASTM D 3656/D 3656M.
  - a. Mesh Color: Manufacturer's standard.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E 2112.
- B. Install windows level, plumb, square, true to line, without distortion, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.
- C. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.
- D. Install insect screens at end of construction, at a time determined by Owner.
- E. Clean exposed surfaces immediately after installing windows. Remove excess sealants, glazing materials, dirt, and other substances.
- F. Remove and replace sashes if glass has been broken, chipped, cracked, abraded, or damaged during construction period.

END OF SECTION 085200

## GYP SUM BOARD REPAIR SPECIFICATIONS

### SECTION 092900 - GYPSUM BOARD

#### 1.1 INTERIOR GYPSUM BOARD

- A. Manufacturers: Subject to compliance with requirements, provide the products listed in Part 2 by one of the following:
  1. CertainTeed Corp.
  2. Georgia-Pacific Gypsum LLC.
  3. Lafarge North America Inc.
  4. National Gypsum Company.
  5. Temple-Inland.
  6. USG Corporation.
- B. Gypsum Wallboard: ASTM C 1396/C 1396M.
  1. Product:
    - a. CertainTeed Corp.: ProRoc Regular
    - b. Georgia-Pacific Gypsum LLC; ToughRock.
    - c. Continental; Regular Drywall.
    - d. National Gypsum Company; Gold Bond BRAND
    - e. USG Corporation; SHEETROCK Brand.
  2. Thickness: 1/2 inch / 5/8 inch (match existing).

#### 1.2 TRIM ACCESSORIES

- A. Interior Trim: ASTM C 1047.
  1. Material: Galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized steel sheet.
  2. Shapes: Cornerbead.

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**A5.3**  
WOOD WINDOW SPECS.  
DATE: BID SET - 12.22.2023

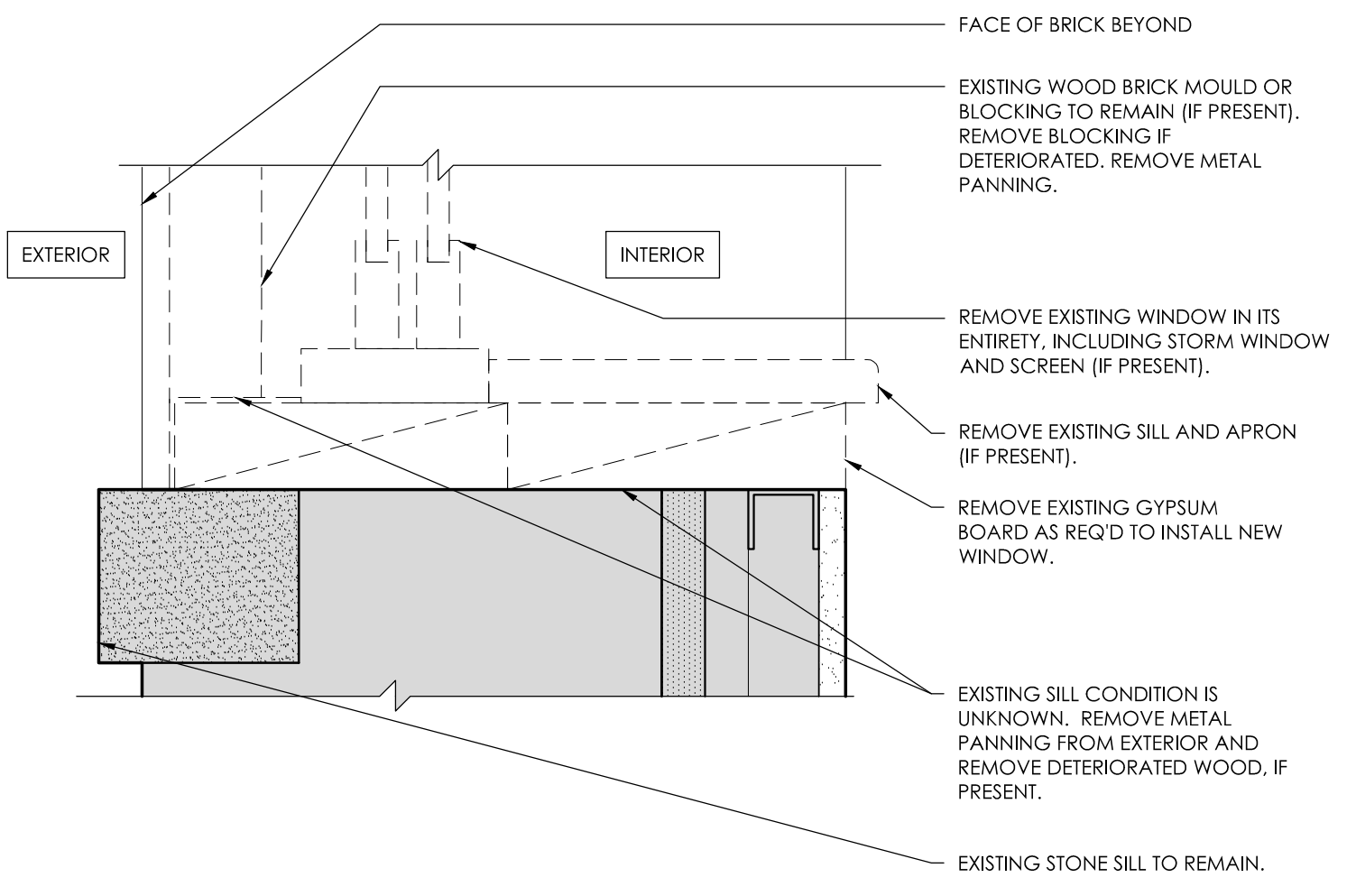
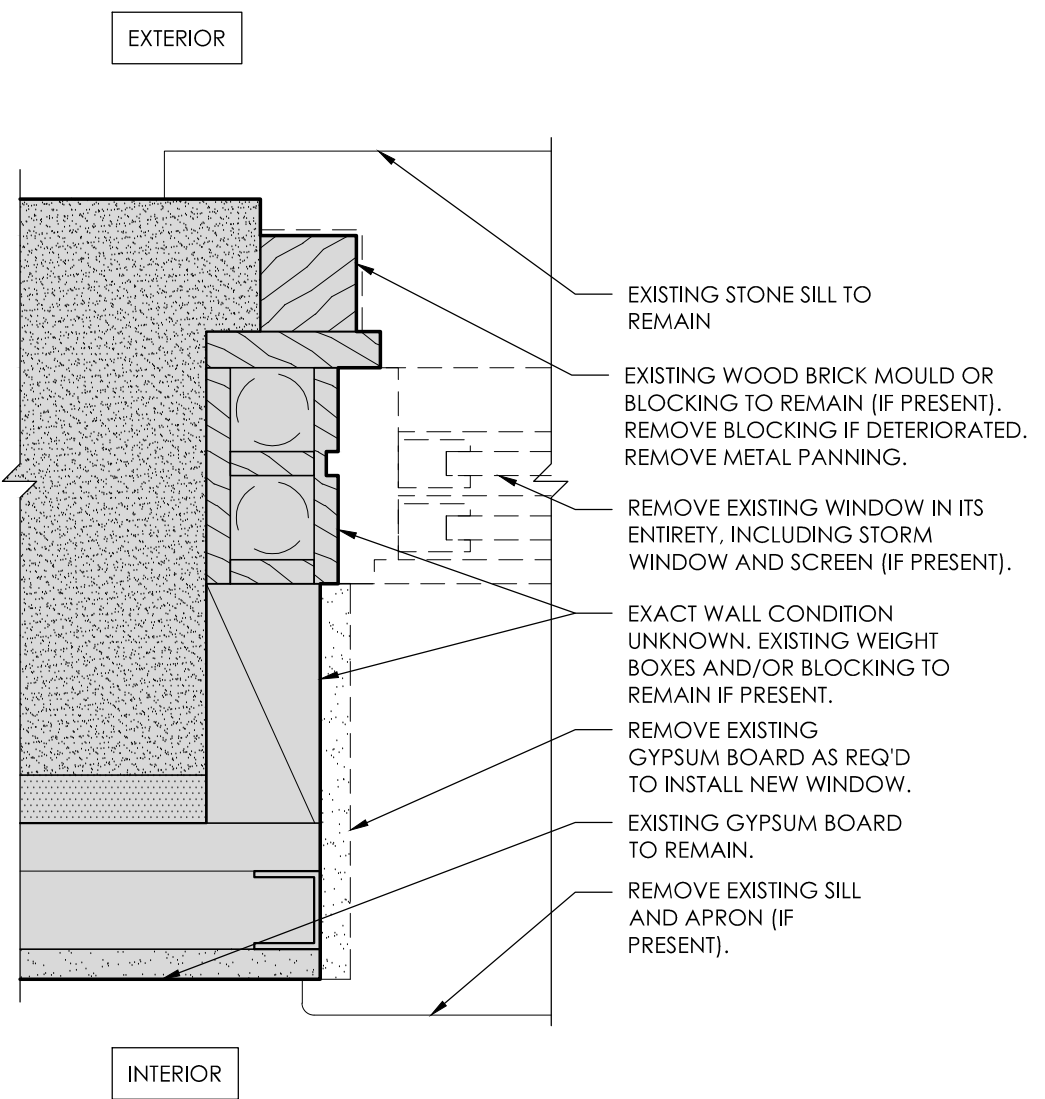
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CONSTRUCTION

**TYPICAL WINDOW DETAIL NOTES:**

1. TYPICAL WINDOW DETAILS ARE PROVIDED FOR REFERENCE AND REPRESENT THE ASSUMED TYPICAL CONDITION OF MOST WINDOWS. THE CONTRACTOR MUST ASSUME THAT THE HEAD, JAMB, AND SILL CONDITIONS OF THE EXISTING ROUGH OPENINGS WILL VARY, AND THE EXISTING INTERIOR AND EXTERIOR TRIM AND FINISHES WILL ALSO VARY.
2. THE DESIGN INTENT IS TO PROVIDE A WEATHERTIGHT WINDOW WITH FLASHING AS SHOWN IN THE DETAILS, WITH NEW ALUMINUM TRIM ON THE EXTERIOR WITH SIMILAR SIGHT LINE DIMENSIONS AS THE EXISTING WINDOWS AND TO REPAIR/REPLACE THE INTERIOR FINISHES TO MATCH THE EXISTING TYPICAL INTERIOR FINISHES AND WINDOW STOOLS.
3. THE CONTRACTOR MAY ADD P.T. WOOD BLOCKING NOT SHOWN IN THE DETAILS AS REQUIRED TO INSTALL THE WINDOWS - COORDINATE WITH ARCHITECT PRIOR TO PROCEEDING WITH DEVIATIONS FROM THESE DETAILS.

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**DEMOLITION  
TYP. HUNG WINDOW JAMB DTL**

**DEMOLITION  
TYP. HUNG WINDOW SILL DTL**

1  
A5.4  
3" = 1'-0"

2  
A5.4  
3" = 1'-0"

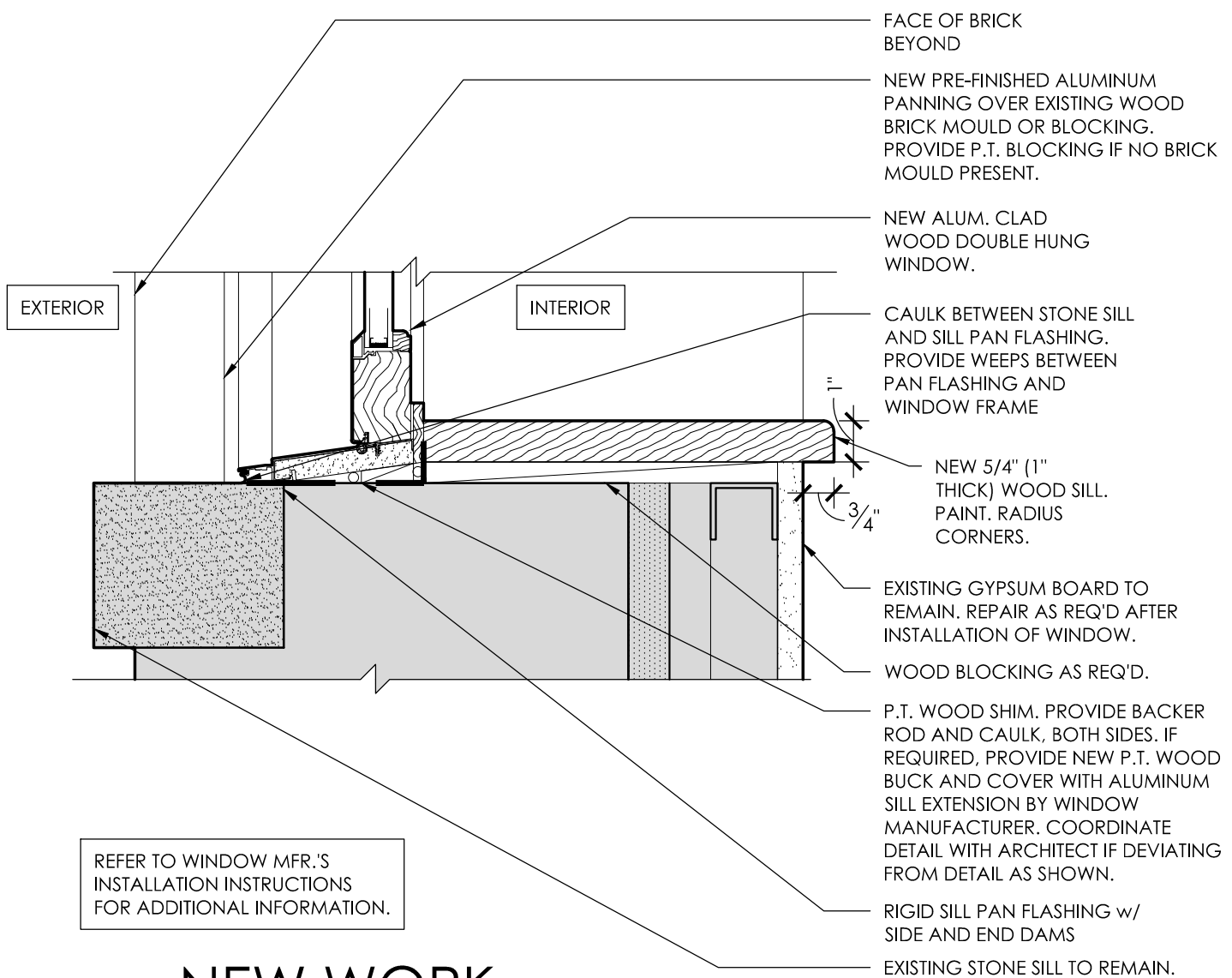
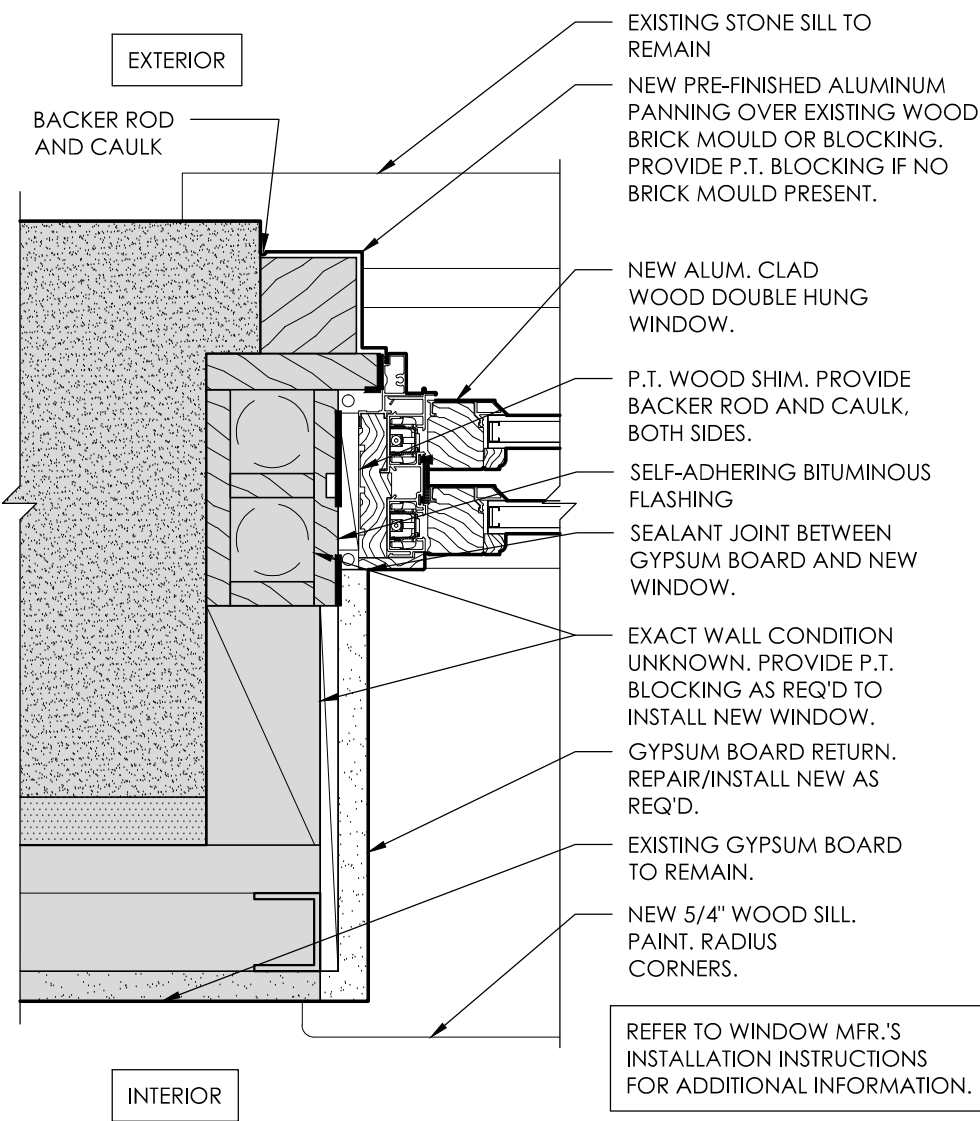
**WINDOW  
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**A5.4**  
TYP. WINDOW DETAILS  
DATE: BID SET - 12.22.2023

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CONSTRUCTION

**TYPICAL WINDOW DETAIL NOTES:**

1. TYPICAL WINDOW DETAILS ARE PROVIDED FOR REFERENCE AND REPRESENT THE ASSUMED TYPICAL CONDITION OF MOST WINDOWS. THE CONTRACTOR MUST ASSUME THAT THE HEAD, JAMB, AND SILL CONDITIONS OF THE EXISTING ROUGH OPENINGS WILL VARY, AND THE EXISTING INTERIOR AND EXTERIOR TRIM AND FINISHES WILL ALSO VARY.
2. THE DESIGN INTENT IS TO PROVIDE A WEATHERTIGHT WINDOW WITH FLASHING AS SHOWN IN THE DETAILS, WITH NEW ALUMINUM TRIM ON THE EXTERIOR WITH SIMILAR SIGHT LINE DIMENSIONS AS THE EXISTING WINDOWS AND TO REPAIR/REPLACE THE INTERIOR FINISHES TO MATCH THE EXISTING TYPICAL INTERIOR FINISHES AND WINDOW STOOLS.
3. THE CONTRACTOR MAY ADD P.T. WOOD BLOCKING NOT SHOWN IN THE DETAILS AS REQUIRED TO INSTALL THE WINDOWS - COORDINATE WITH ARCHITECT PRIOR TO PROCEEDING WITH DEVIATIONS FROM THESE DETAILS.



1  
A5.5  
3" = 1'-0"

**NEW WORK  
TYP. HUNG WINDOW JAMB DTL**

2  
A5.5  
3" = 1'-0"

**NEW WORK  
TYP. HUNG WINDOW SILL DTL**

# WINDOW REPLACEMENT: 1716-1718 RACE ST. CINCINNATI OH

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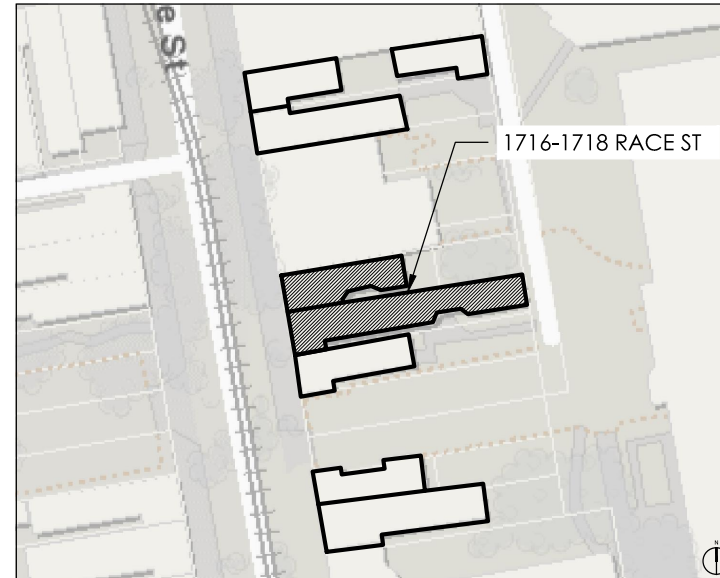
## GENERAL NOTES

1. THE GENERAL CONTRACTOR (G.C.) SHALL VERIFY ALL INFORMATION IN THESE DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEPARTURES FROM THESE PLANS NOT APPROVED IN WRITING BY THE ARCHITECT.
2. THE ARCHITECT HAS MADE NO INVESTIGATION TO DETERMINE IF ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL IS PRESENT IN EXISTING CONSTRUCTION AND ASSUMES NO RESPONSIBILITY WITH REGARD TO ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL.
3. THE G.C. IS TO REVIEW THESE DRAWINGS AND VISIT THE SITE BEFORE COMMENCING THE PROJECT IN ORDER TO FAMILIARIZE HIM OR HERSELF WITH THE PROPOSED WORK.
4. THE G.C. IS TO REMOVE ONLY THOSE ELEMENTS SLATED FOR DEMOLITION EITHER GRAPHICALLY OR BY NOTATION. NO OTHER ELEMENTS ARE TO BE REMOVED. IF THE CONTRACTOR QUESTIONS THE REMOVAL OF AN ELEMENT, OR IF THERE IS A CONFLICT BETWEEN THE NOTES AND THE GRAPHICS, CONTRACTOR IS TO ASK THE ARCHITECT IMMEDIATELY.
5. THE G.C. IS TO PROTECT AND SAVE BUILDING ELEMENTS CONNECTED TO, OR ADJ. TO, THOSE ELEMENTS WHICH ARE SLATED TO BE REMOVED.
6. THE G.C. SHALL NOT REMOVE ANY ELEMENTS WHICH MAY CAUSE THE STRUCTURE TO BECOME UNSTABLE, OR THAT WILL POSE A RISK TO PERSONS OR PROPERTY, EVEN IF INDICATED IN PLANS. IF ANY ELEMENTS BECOME UNSTABLE, CONTRACTOR IS TO STABILIZE AND SHALL INFORM THE ARCHITECT/OWNER IMMEDIATELY.
7. IT IS UP TO THE G.C. TO CONTINUALLY EVALUATE THE STRUCTURAL STABILITY OF THE BUILDING AND THE INTEGRITY OF ELEMENTS BOTH STRUCTURAL AND NON-STRUCTURAL THAT ARE SHOWN TO REMAIN. IF THE CONTRACTOR DETERMINES THAT SOME OF THESE ELEMENTS SHOULD BE REMOVED, HE/SHE MUST FIRST RECEIVE PERMISSION FROM THE ARCHITECT/OWNER, OR MAY BE FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF THESE ELEMENTS.
8. THE G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL TRASH AND DEBRIS THROUGHOUT THE WORK. ALL DEBRIS MUST BE REMOVED AND DISCARDED IN A SAFE AND LEGAL MANNER.
9. THE G.C. IS RESPONSIBLE FOR THE PROCUREMENT OF ANY ADDITIONAL MATERIALS, EQUIPMENT, AND PERMITS AND FOR ANY FEES, PENALTIES OR RENTAL COSTS ASSOCIATED WITH THE DEMOLITION WORK.
10. THE G.C. IS TO PROTECT THE BUILDING FROM THE ELEMENTS, THEFT AND VANDALISM AT ALL TIMES DURING WORK.
11. **THE PLAN AND ELEVATION DRAWINGS ARE TO SHOW LOCATIONS AND QUANTITIES OF WINDOW REPLACEMENT ONLY. ANY NOTATIONS OTHER THAN THE WINDOW TAGS AND KEYNOTES ON THE PLAN AND ELEVATION DRAWINGS DO NOT APPLY TO THIS PROJECT.**

## DRAWING INDEX

- A0.0** COVER SHEET, GENERAL NOTES, DRAWING INDEX, LOCATION PLAN, PROJECT INFORMATION
- A3.1** FIRST FLOOR PLAN
- A3.2** SECOND FLOOR PLAN
- A3.3** THIRD FLOOR PLAN
- A3.4** FOURTH FLOOR PLAN
- A4.0** WEST & EAST ELEVATIONS
- A4.1** 1716 SOUTH ELEVATION
- A4.2** 1718 SOUTH ELEVATION
- A4.3** 1716 NORTH ELEVATION
- A4.4** 1718 NORTH ELEVATION
- A5.0** WINDOW NOTES
- A5.1** WINDOW SCHEDULE
- A5.2** WOOD WINDOW SPECIFICATIONS
- A5.3** WOOD WINDOW SPECIFICATIONS
- A5.4** TYPICAL WINDOW DETAILS
- A5.5** TYPICAL WINDOW DETAILS

## LOCATION PLAN (NOT TO SCALE)



## PROJECT INFORMATION

- 1. PROJECT LOCATION:**  
1716-1718 RACE ST. CINCINNATI OH 45202
- 2. DESCRIPTION:**  
THE PROJECT IS THE REPLACEMENT OF WINDOWS IN A MULTI-STORY, MULTI-FAMILY RESIDENTIAL BUILDING. THE WORK IS LIMITED TO REMOVAL OF EXISTING WINDOW UNITS AND BRICKMOULD COVERINGS, INSTALLATION OF NEW WINDOWS AND NEW EXTERIOR BRICKMOULD COVERING WINDOW TRIM, AND REPAIR OF INTERIOR FINISHES AND TRIM AROUND THE WINDOW OPENINGS AFTER THE WINDOWS ARE INSTALLED. THERE IS NO CHANGE TO THE USE, OCCUPANCY, CONSTRUCTION TYPE, OR MEANS OF EGRESS.  
  
THE ATTACHED DOCUMENTS ARE TO BE USED FOR BIDDING, PERMITTING, AND CONSTRUCTION. TO DETERMINE PROJECT COST AND SCOPE OF WORK, THE DOCUMENTS INCLUDE ALTERNATE ACCEPTABLE WINDOW PRODUCTS AND ALTERNATE SCOPES OF WORK RELATED TO WINDOW REPLACEMENT. AFTER EVALUATION OF BIDS, THE FINAL SCOPE OF WORK AND ALTERNATE SCOPES DESCRIBED IN THESE DOCUMENTS WILL BE DETERMINED. (SEE "BID ALTERNATES" ON SHEET A0.0 FOR ADDITIONAL INFORMATION.)
- 3. GOVERNING CODE:**  
2017 OBC (OHIO BUILDING CODE)
- 4. ZONING DESIGNATION:**  
CC-P, COMMERCIAL COMMUNITY-PEDESTRIAN OVER THE RHINE HISTORIC DISTRICT

- 5. CONSTRUCTION TYPE:**  
EXISTING CONSTRUCTION CLASSIFICATION IS IIIB. NO CHANGE TO CONSTRUCTION CLASSIFICATION IS PROPOSED.
- 6. USE GROUPS/OCCUPANCY/EXIT REQUIREMENTS:**  
THE BUILDING IS RESIDENTIAL USE (R-2). NO CHANGES ARE PROPOSED TO THE BUILDING USE, OCCUPANCY, EXITING, HEIGHT, AREA, ETC.
- 7. FIRE PROTECTION:**  
THE BUILDING IS NOT PROTECTED WITH AN AUTOMATIC SPRINKLER SYSTEM, AN EXISTING NON-CONFORMING CONDITION WHICH WILL REMAIN.
- 8. WINDOWS ALONG FIRE ESCAPES:**  
PER OBC 3406.5, WINDOWS ALONG FIRE ESCAPES ARE REQUIRED TO BE PROTECTED WITH 3/4-HOUR OPENING PROTECTIVES.  
  
NEW WINDOWS ALONG FIRE ESCAPES WILL HAVE 3/4-HOUR FIRE RESISTANCE RATING.  
  
THE CONTRACTOR IS TO PROVIDE AN ALTERNATIVE PRICE TO LEAVE THE EXISTING NON-FIRE RATED WINDOWS IN PLACE WHICH WOULD CONSTITUTE AN EXISTING NON-CONFORMING CONDITION TO REMAIN.

## BID ALTERNATES

- BID ALTERNATE NOTE:**  
THE BIDDING CONTRACTOR IS TO PROVIDE A SEPARATE LINE ITEM PRICE FOR EACH OF THE FOLLOWING ADD/DEDUCT ALTERNATES SO THAT THE OWNER CAN EVALUATE THE COST IMPACT OF EACH ITEM. AFTER EVALUATION OF BIDS, THE FINAL SCOPE OF ALTERNATE WORK WILL BE DETERMINED.
- 1. FIRE-RATED WINDOWS (TYPE "E"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE WINDOWS ALONG FIRE ESCAPES, AND TO LEAVE THE EXISTING WINDOWS IN PLACE IN THESE LOCATIONS.
  - 2. FIXED/PICTURE WINDOWS (TYPE "D"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE THE EXISTING FIXED/PICTURE WINDOWS, AND TO LEAVE THE EXISTING WINDOWS IN PLACE IN THESE LOCATION.
  - 3. FIXED/PICTURE WINDOWS IN UNOCCUPIED ATTICS (TYPE "D.1 & G.1"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE EXISTING ATTIC WINDOWS IN UNOCCUPIED ATTICS, AND TO LEAVE THESE WINDOWS IN PLACE. SEE PLANS AND ELEVATIONS FOR LOCATIONS OF UNOCCUPIED ATTICS.
  - 4. EXISTING HISTORIC STEEL WINDOWS (TYPE "F"):** PROVIDE A DEDUCT ALTERNATE PRICE TO OMIT THE REPAIR OF THE (2) EXISTING HISTORIC STEEL WINDOWS, AND TO REMOVE THIS FROM THE SCOPE OF WORK.
  - 5. INTERIOR WINDOW FINISH:** PROVIDE AN ALTERNATE PRICE TO PROVIDE FACTORY-PRIMED, FIELD-PAINTED WINDOWS. (BASIS OF DESIGN IS FACTORY-PAINTED, SEE ATTACHED SPECIFICATIONS).
  - 6. EXTERIOR TRIM PAINTING:** PROVIDE AN ADD ALTERNATE PRICE TO INSTALL ALUMINUM PANNING AT THE NEW ARCH-TOP WINDOW HEAD TRIM (BASIS OF DESIGN IS NEW PAINTED WOOD TRIM). SEE FRONT ELEVATIONS FOR LOCATIONS AND QUANTITIES.
  - 7. BLINDS:** PROVIDE AN ADD ALTERNATE PRICE TO PROVIDE BLINDS FOR ALL OPERABLE WINDOWS - 1" HORIZONTAL LOUVER BLINDS WITH VINYL/POLYMER SLATS.

WINDOW  
REPLACEMENT  
1716-1718 Race Street  
Cincinnati OH 45202

A0.0  
COVER SHEET

DATE: BID SET - 12.22.2023

**PLAN AND ELEVATION GENERAL NOTES**

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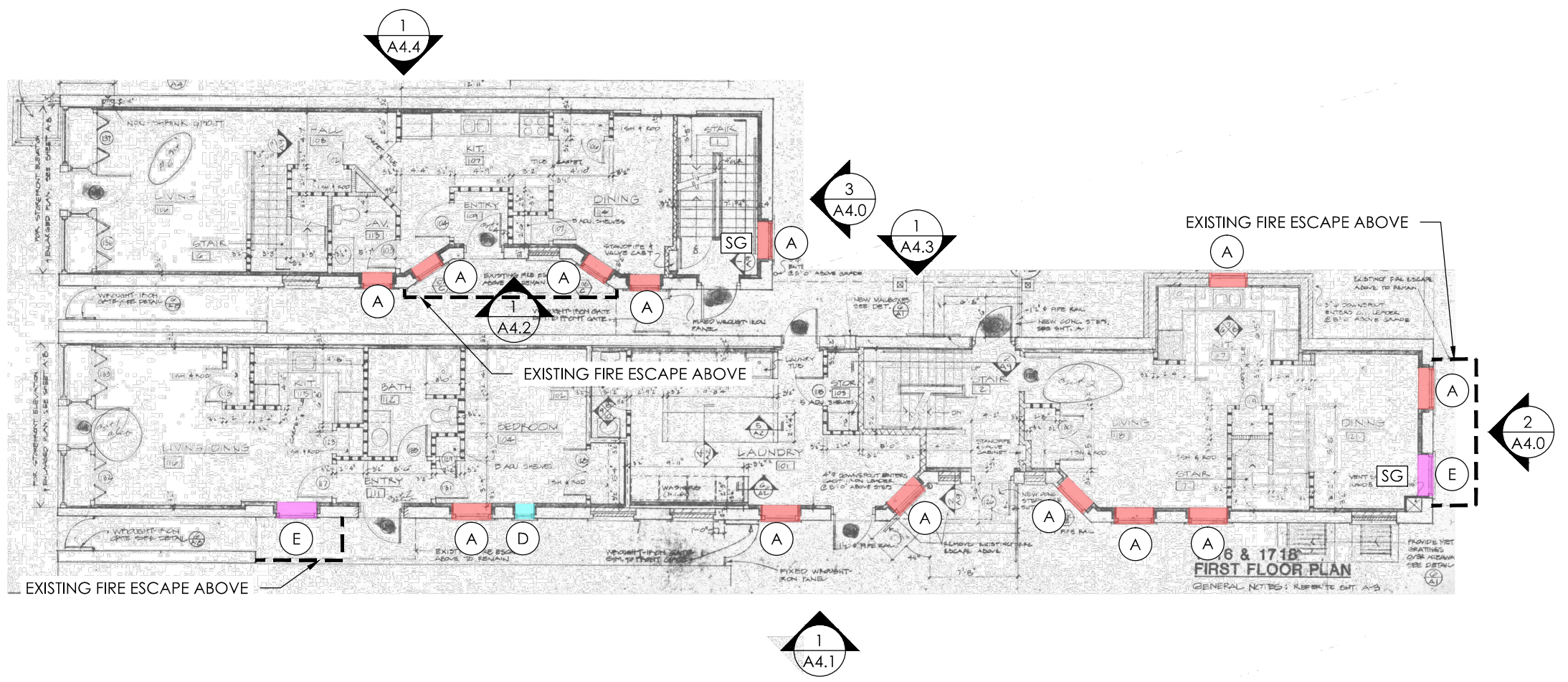
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**1 A3.1 FIRST FLOOR PLAN**  
1/16" = 1'-0"

**WINDOW  
REPLACEMENT**  
1716-1718 Race Street  
Cincinnati OH 45202

**A3.1  
FIRST FLOOR PLAN**  
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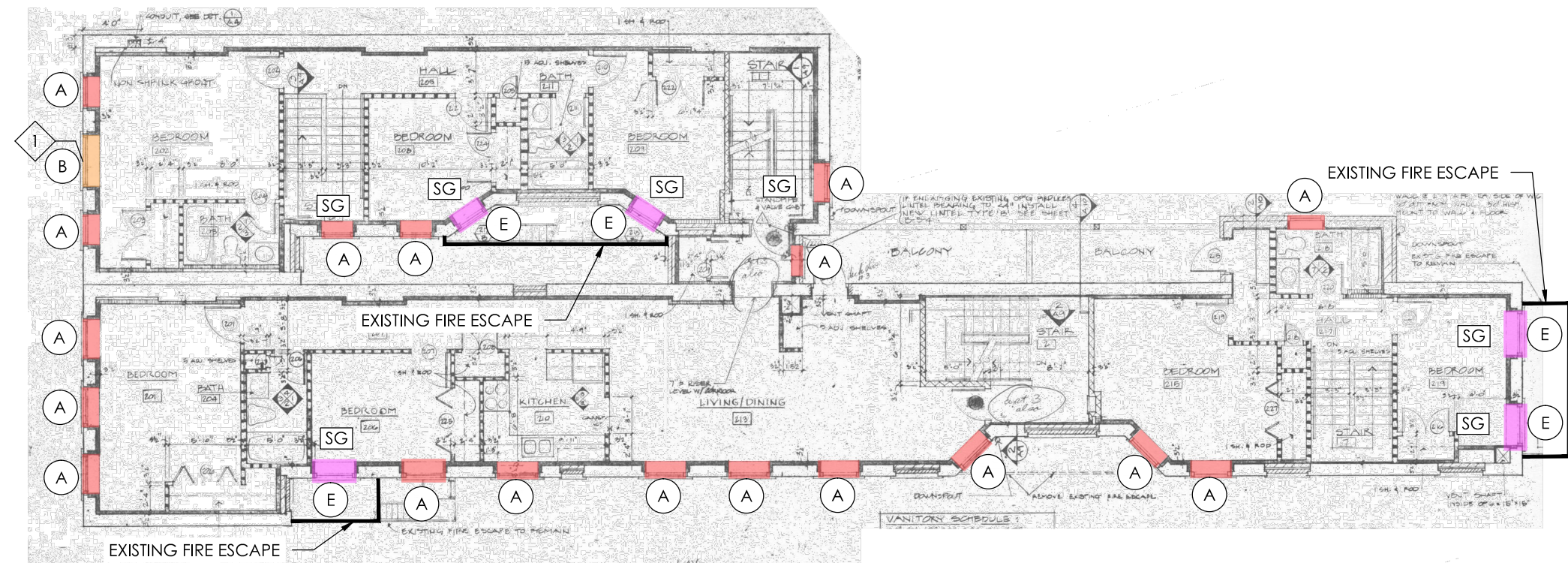
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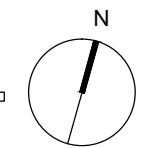
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**1**  
**A3.2**  
**SECOND FLOOR PLAN**  
1/16" = 1'-0"



**WINDOW  
REPLACEMENT**  
1716-1718 Race Street  
Cincinnati OH 45202

**A3.2**  
**SECOND FLOOR PLAN**  
DATE: BID SET - 12.22.2023

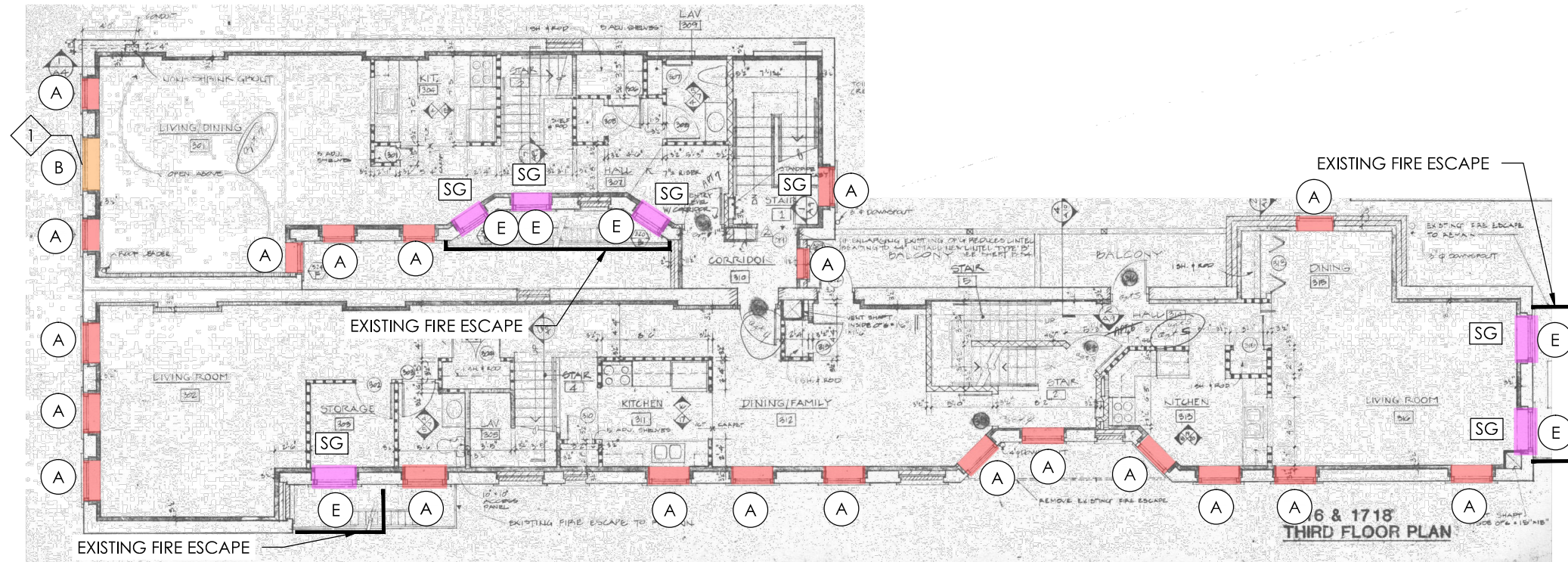
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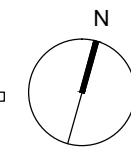
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**1**  
A3.3  
**THIRD FLOOR PLAN**  
1/16" = 1'-0"



**WINDOW  
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**A3.3**  
**THIRD FLOOR PLAN**  
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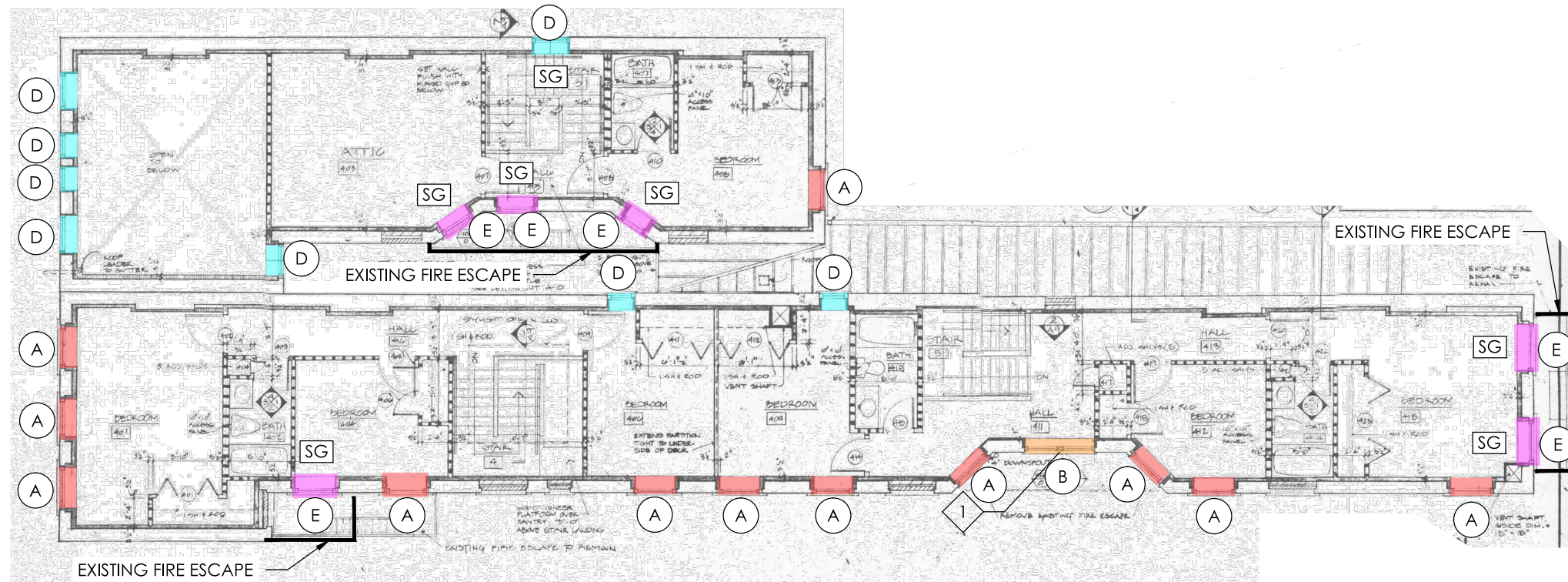
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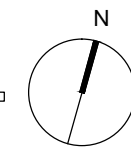
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1  
A3.4  
FOURTH FLOOR PLAN  
1/16" = 1'-0"



WINDOW  
REPLACEMENT  
1716-1718 Race Street  
Cincinnati OH 45202

A3.4  
FOURTH FLOOR PLAN  
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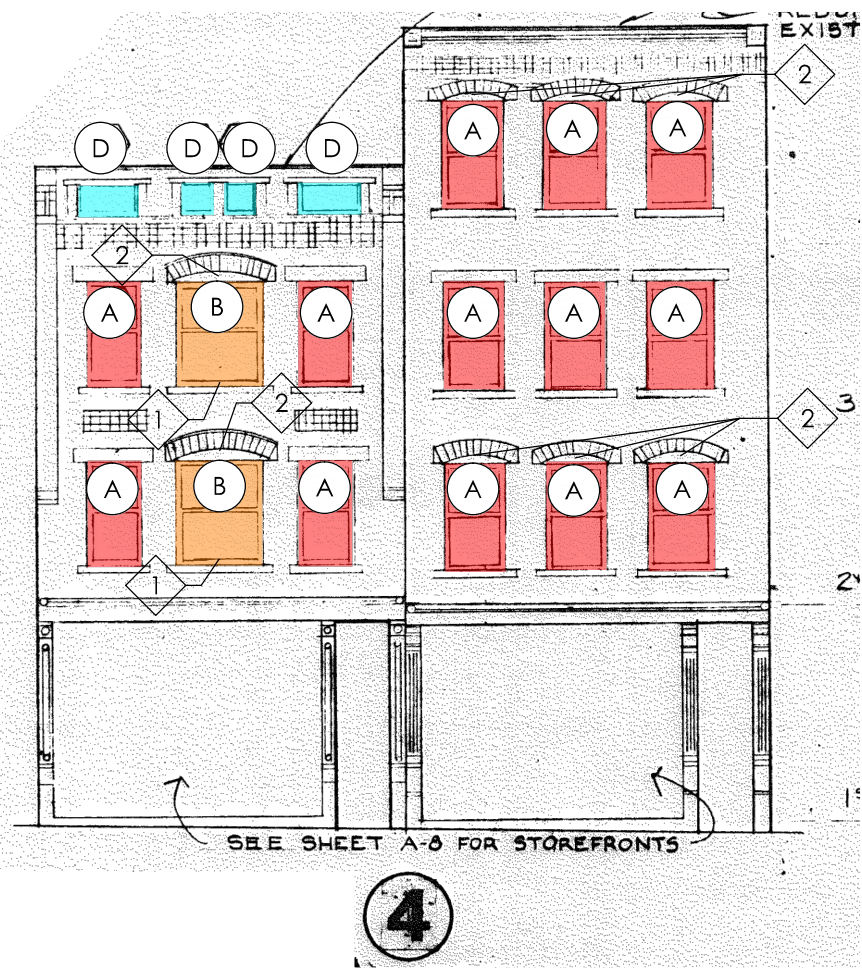
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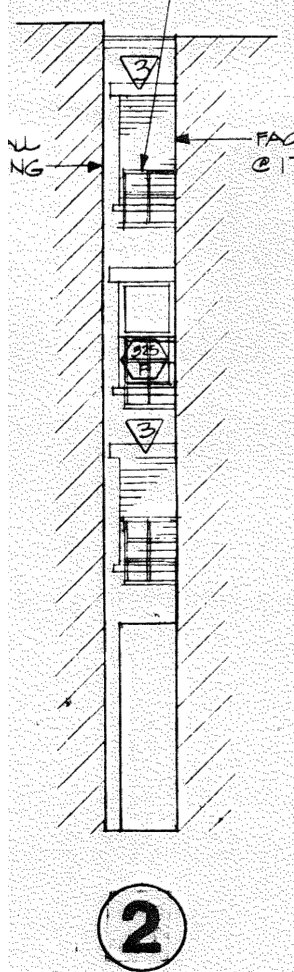
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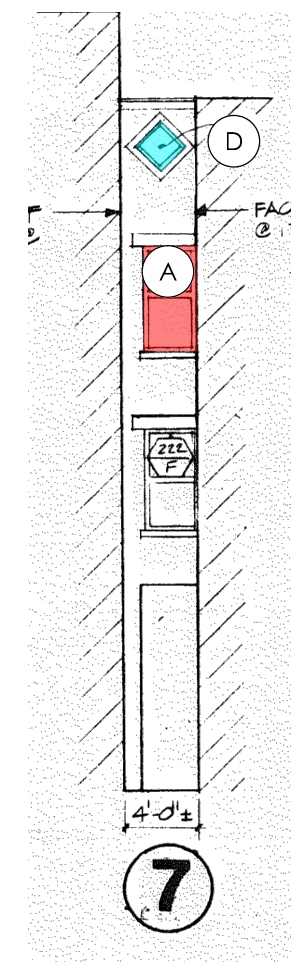
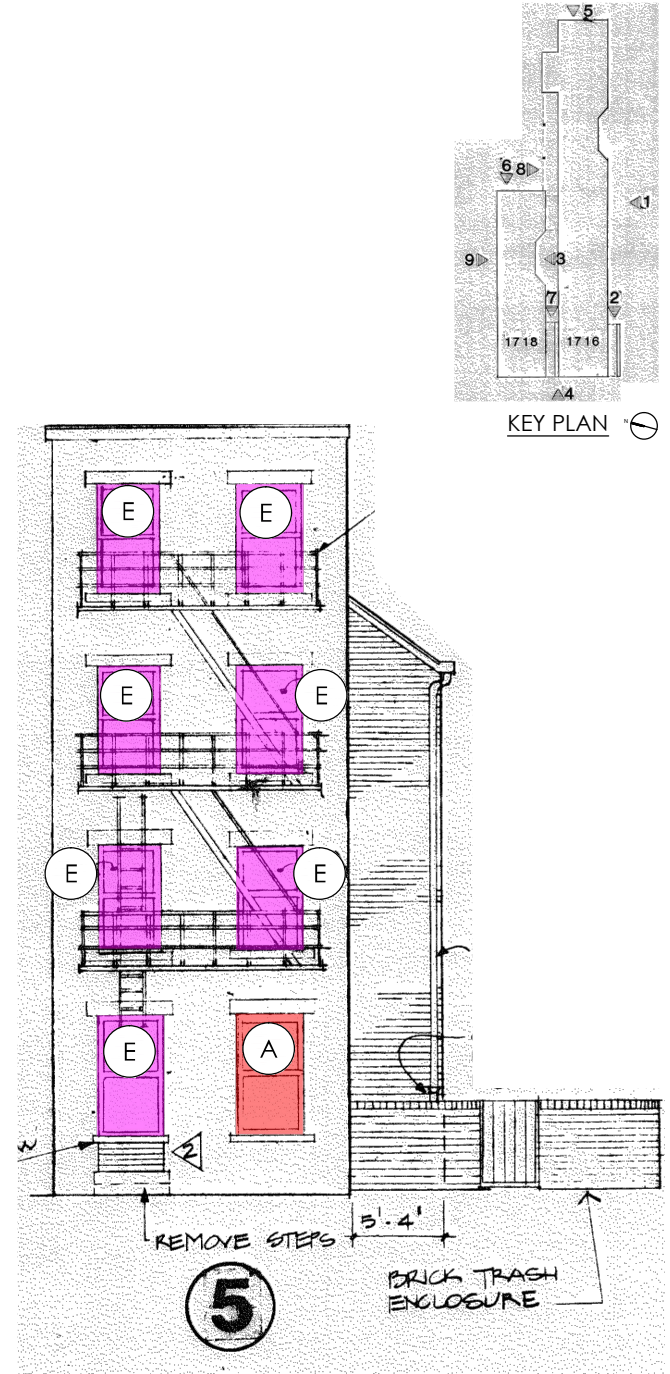
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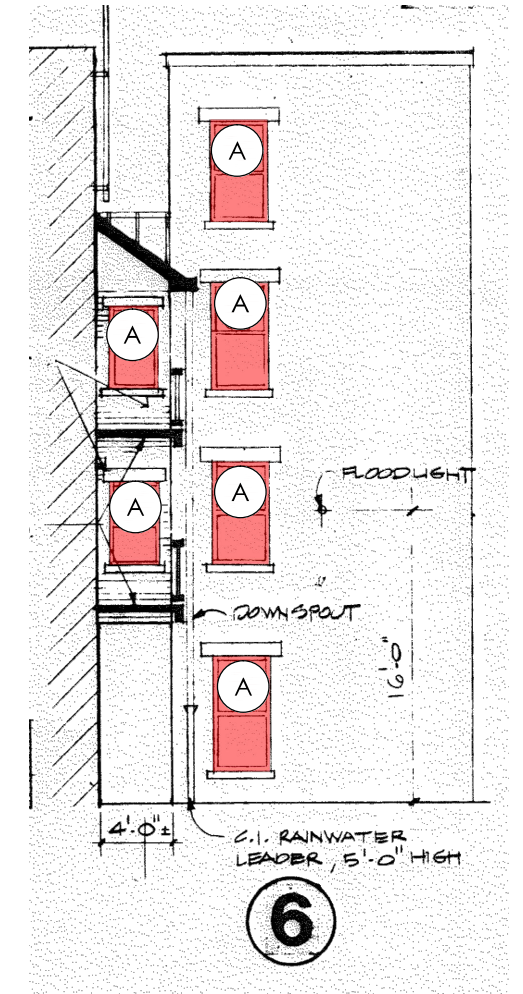
1 WEST ELEVATION  
A4.0 3/32" = 1'-0"



2 1716 EAST ELEVATION  
A4.0 3/32" = 1'-0"



3 1718 EAST ELEVATION  
A4.0 3/32" = 1'-0"



WINDOW  
REPLACEMENT  
1716-1718 Race Street  
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**A4.0**  
WEST & EAST ELEVATIONS  
DATE: BID SET - 12.22.2023

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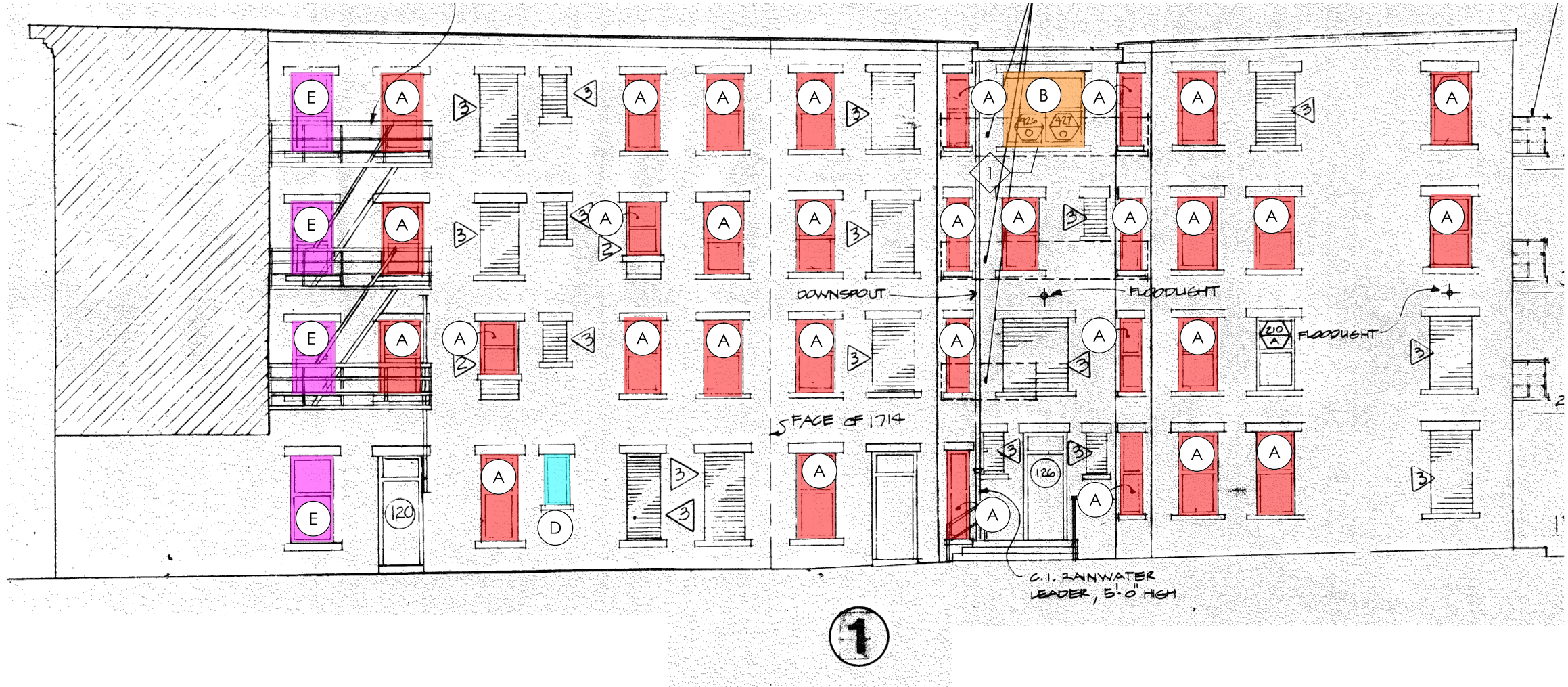
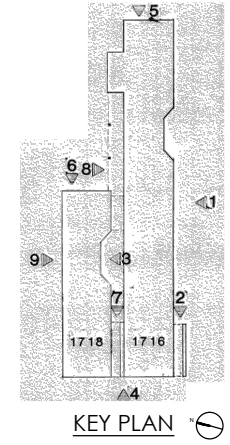
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**A4.1**  
1716 SOUTH ELEVATION  
DATE: BID SET - 12.22.2023



**1**  
A4.1  
**1716 SOUTH ELEVATION**  
3/32" = 1'-0"

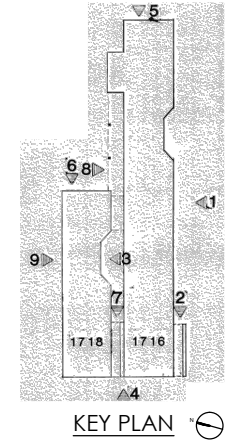
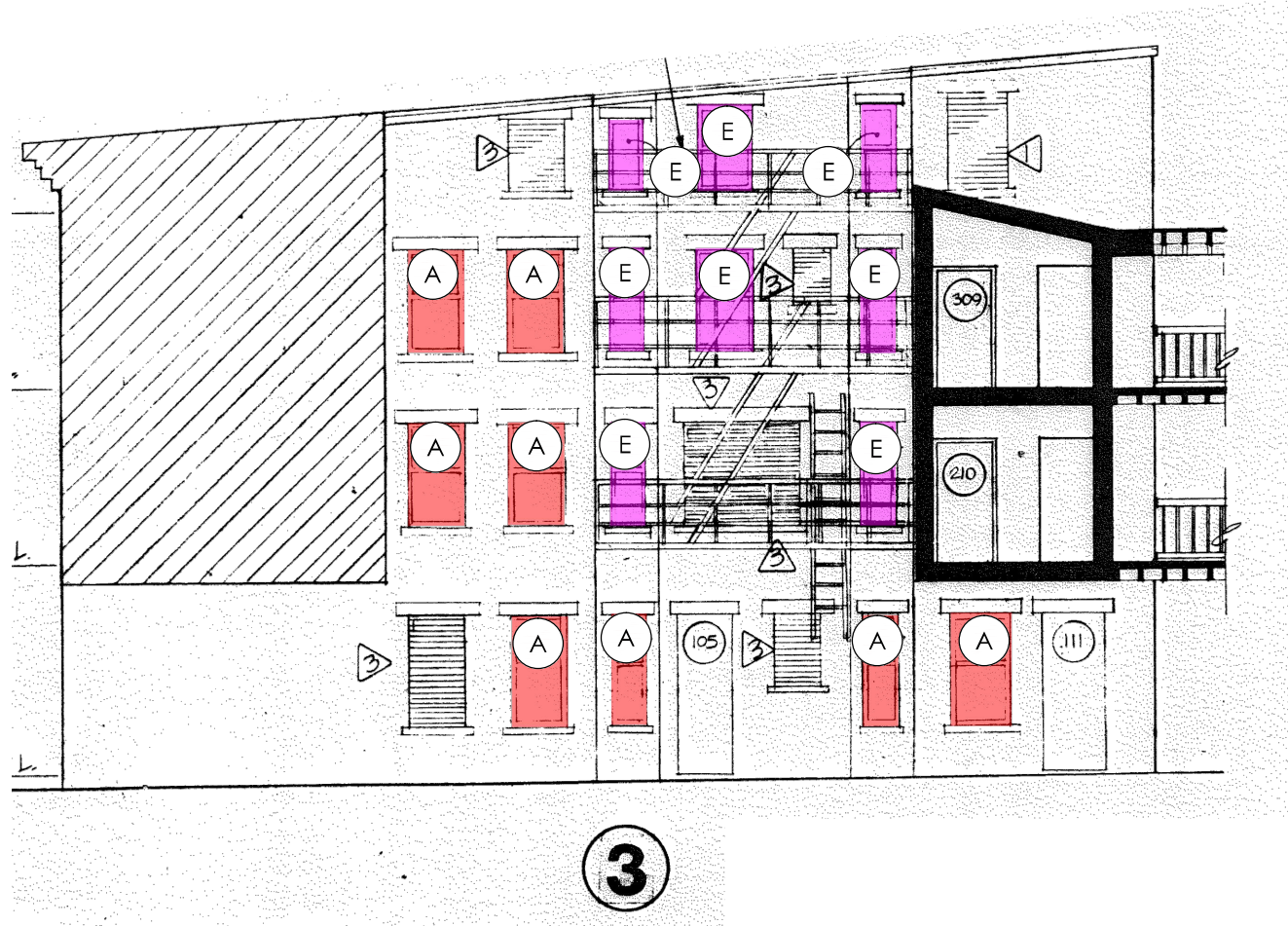
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1  
A4.2  
1718 SOUTH ELEVATION  
3/32" = 1'-0"

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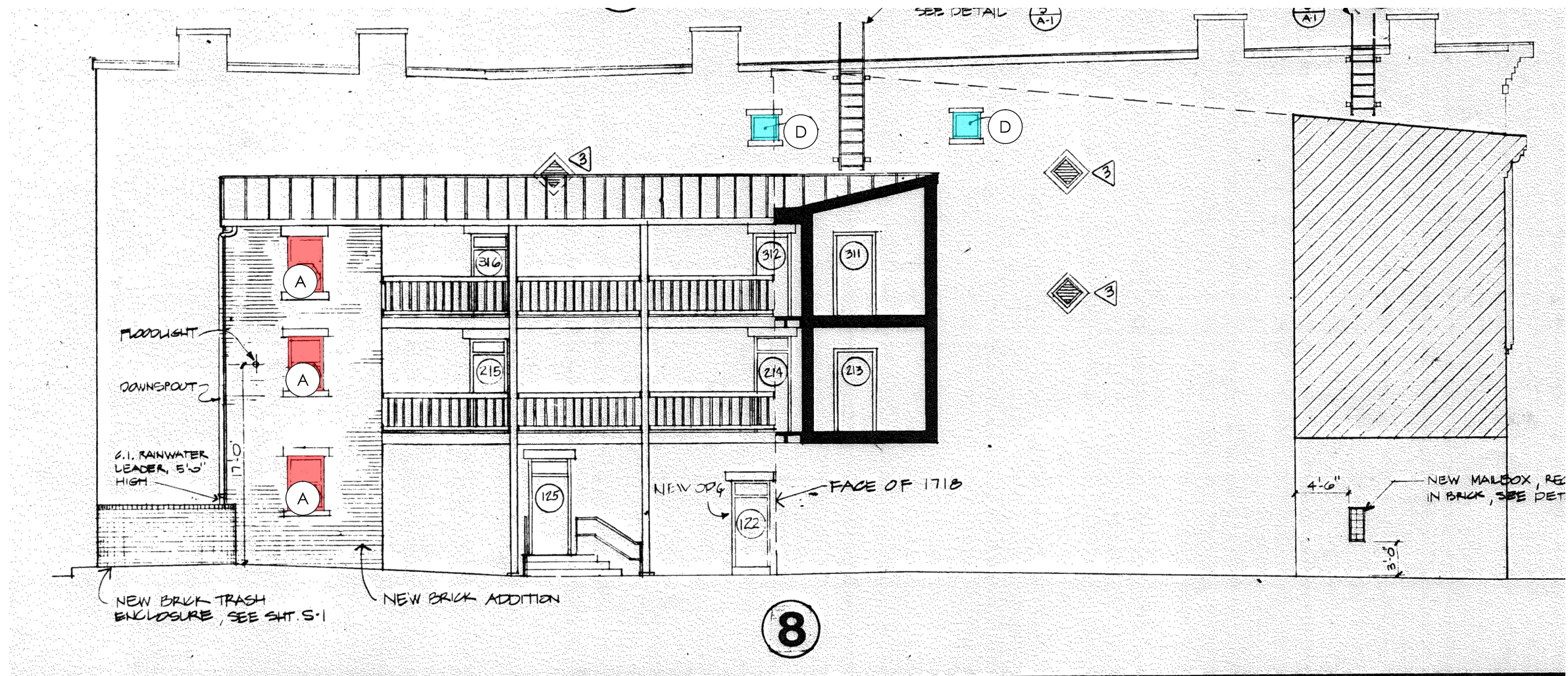
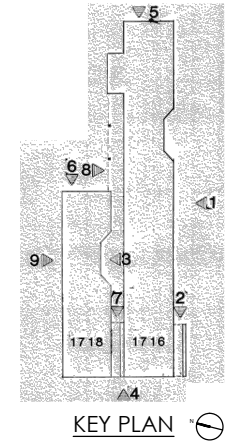
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1 **1716 NORTH ELEVATION**  
A4.3 3/32" = 1'-0"

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**A4.3**  
1716 NORTH ELEVATION  
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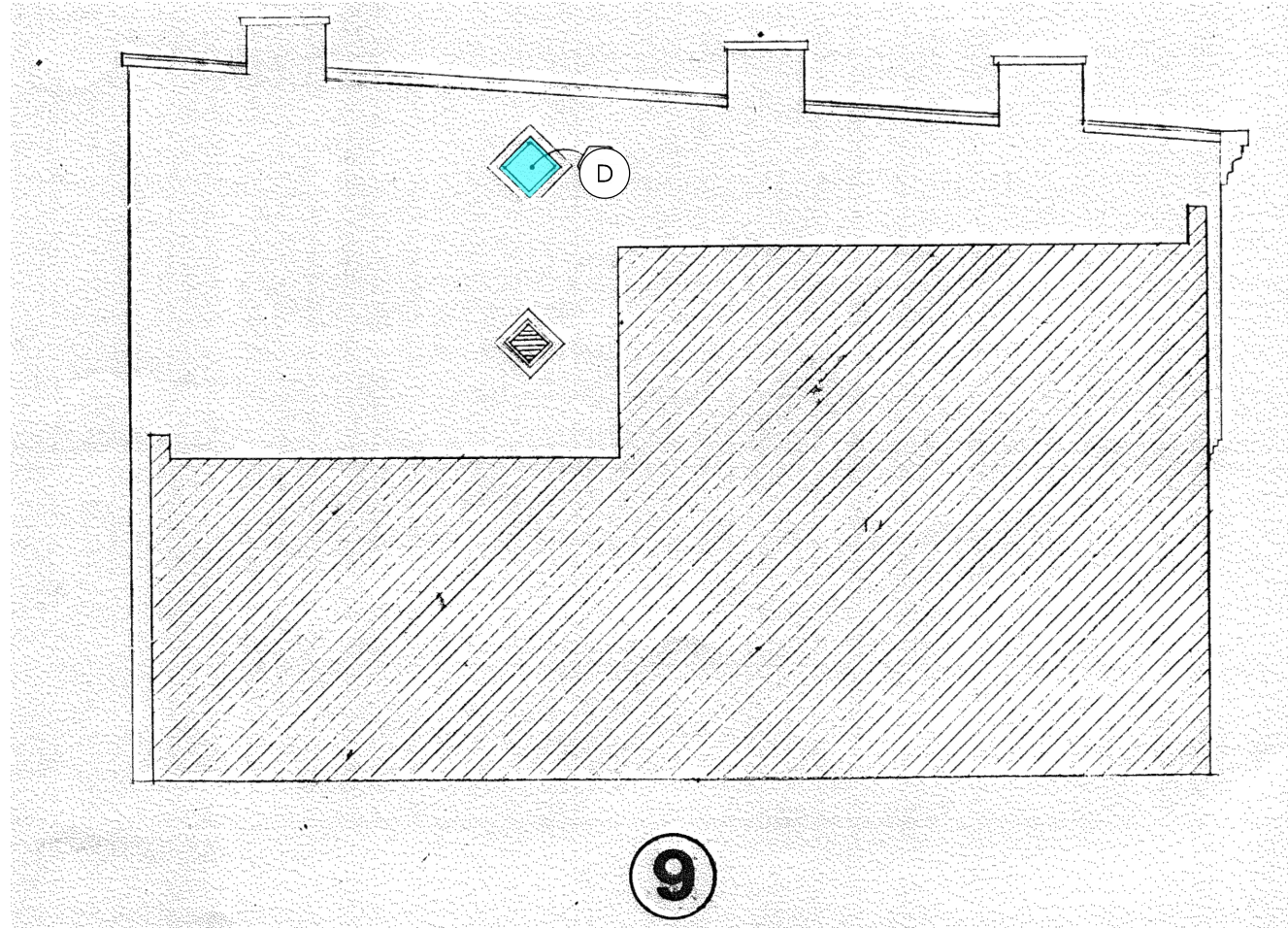
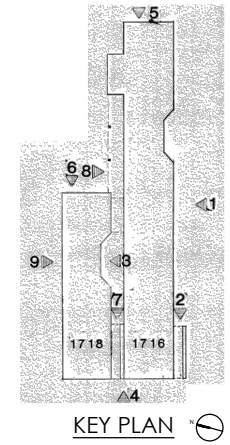
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1  
A4.4 1718 NORTH ELEVATION  
3/32" = 1'-0"

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DATE: BID SET - 12.22.2023

## WINDOW GENERAL NOTES

1. **CITY OF CINCINNATI HISTORIC DISTRICT REQUIREMENTS:** REPLACEMENT WINDOWS ARE REQUIRED TO MATCH THE ORIGINAL MATERIAL, SIZE, AND STYLE, AS CLOSELY AS POSSIBLE. THE WINDOW PRODUCTS INCLUDED IN THE WINDOW SCHEDULE HAVE PREVIOUSLY BEEN APPROVED BY THE CITY OF CINCINNATI AS HISTORICALLY COMPATIBLE REPLACEMENT WINDOWS. THE CONTRACTOR MAY PROPOSE ALTERNATE WINDOWS, SUBJECT TO APPROVAL BY OWNER, ARCHITECT, AND THE CITY ZONING DEPARTMENT.
2. **WINDOW ENERGY PERFORMANCE:**
  - NON-RATED WINDOWS: U-VALUE  $\leq$  0.30 REQUIRED. SHGC  $\leq$  0.30 PREFERRED.
  - FIRE-RATED WINDOWS: U-VALUE  $\leq$  0.40 REQUIRED. SHGC  $\leq$  0.30 PREFERRED.
  - GLAZING TO BE CLEAR, LOW-E GLASS.
3. **INTERIOR FINISHES AND TRIM:** IT IS ASSUMED THAT THE TYPICAL INTERIOR FINISH CONDITION IS GYPSUM BOARD RETURNS AT JAMBS AND HEAD, AND PAINTED WOOD STOOLS. THE INTERIOR FINISHES ARE TO REMAIN TO THE GREATEST EXTENT FEASIBLE, AND TO BE REPAIRED AND REPAINTED TO MATCH THE EXISTING CONDITION AFTER WINDOW INSTALLATION. SEE TYPICAL WINDOW DETAILS IN SHEET A5.2.
4. **WINDOW OPENING CONTROL DEVICES:** PER OBC 1015.8 & 1015.8.1, OPERABLE WINDOWS WHERE THE TOP OF THE SILL IS LOCATED LESS THAN 36" AFF, AND MORE THAN 72" ABOVE GRADE OR OTHER SURFACE ON THE EXTERIOR OF THE BUILDING, SHALL BE PROVIDED WITH WINDOW OPENING CONTROL DEVICES THAT COMPLY WITH ASTM F 2090. AFTER OPERATION TO RELEASE THE CONTROL DEVICE, THE WINDOW SHALL BE OPENABLE TO IT FULL OPEN POSITION. (VERIFY WINDOW SILL HEIGHTS IN FIELD.)
5. **WINDOW LOCK ACCESSIBILITY:** PROVIDE EXTENDED REACH RANGE LOCK AT ALL OPERABLE WINDOWS IN ACCESSIBLE DWELLING UNITS. COORDINATE WITH OWNER FOR LOCATIONS OF ACCESSIBLE UNITS.
6. REMOVE EXISTING STORM WINDOWS, SCREENS, AND WINDOW UNITS DOWN TO HISTORIC WINDOW WEIGHT BOXES OR BLOCKING (IF PRESENT). REFER TO TYPICAL WINDOW DETAILS.
7. PROVIDE CUSTOM SIZED WINDOWS TO FIT EXISTING OPENINGS. VERIFY WINDOW OPENING SIZES IN FIELD.
8. REMOVE EXISTING WINDOW BLINDS AS REQUIRED FOR NEW WORK. PROTECT AND REINSTALL AFTER REPLACEMENT OF WINDOWS. SEE "BID ALTERNATES" ON SHEET A0.0 FOR REPLACEMENT WINDOW BLINDS.
9. PROVIDE P.T. BLOCKING AS REQUIRED AT PERIMETER OF EXISTING OPENING.
10. PROVIDE A FULL HEIGHT INSECT SCREEN AT ALL OPERABLE WINDOWS.
11. PROVIDE CONCEALED JAMB LINERS TO MATCH WINDOW COLOR AT ALL REPLACEMENT WINDOWS.
12. WINDOW SASHES LOCATED WITH 3'-0" OF AN EXHAUST VENT SHALL BE FIXED IN PLACE.

### SAFETY GLAZING NOTES:

SG SAFETY GLAZING REQUIRED (SEE FLOOR PLANS)

PROVIDE SAFETY GLAZING AT ALL NEW WINDOW LOCATIONS INDICATED IN DRAWINGS AND AS REQUIRED BY SECTION 2406.4 OBC, INCLUDING BUT NOT LIMITED TO LOCATIONS LISTED BELOW. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATIONS BASED ON REQUIREMENTS OF OBC. SAFETY GLAZING LOCATIONS INDICATED ON THE PLANS ARE FOR REFERENCE.

1. GLAZING W/ IN 24" OF EITHER VERTICAL EDGE OF DOOR IN CLOSED POSITION.
2. GLAZING WHERE BOTTOM EDGE OF PANEL IS LESS THAN 18" AFF.
3. GLAZING ADJACENT TO STAIR & RAMP LANDINGS, STAIRS, RAMPS, AND FIRE ESCAPE LANDINGS.
4. GLAZING ADJACENT TO BATHTUBS AND SHOWERS.

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WINDOW  
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1716-1718 Race Street  
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A5.0  
WINDOW NOTES

DATE: BID SET - 12.22.2023

**WINDOW SCHEDULE**

WINDOW No.	WINDOW TYPE	MATERIAL	MANUFACTURER/PRODUCT	NOTES
A	1/1 DOUBLE-HUNG	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD WIDE RAIL DH	CLEAR IG DUAL LOW-E 272 w/ARGON OR EQUIVALENT
			<b>TRIMLINE:</b> LEGENDS DHC300	CARDINAL LoE-270 OR EQUIVALENT
			<b>QUAKER:</b> BRIGHTON DOUBLE HUNG	EnergyPlus LoE-272 w/ARGON OR EQUIVALENT
			<b>WEATHERSHIELD:</b> SIGNATURE DOUBLE HUNG	3/4" Zo-e-shield 5 EXTREME OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE DOUBLE HUNG	UN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>PELLA:</b> ARCHITECT DOUBLE HUNG	ADVANCED LOW-E IG OR EQUIVALENT
			<b>MARVIN:</b> ULTIMATE DOUBLE HUNG G2	LOW E2 OR EQUIVALENT
		<b>ANDERSEN:</b> 400 SERIES WOODWRIGHT DOUBLE HUNG	LOW-E4 SMARTSUN OR EQUIVALENT	
		FIBERGLASS	<b>RENEWAL BY ANDERSEN:</b> DOUBLE HUNG	LOW-E4 SMARTSUN OR EQUIVALENT
<b>GILKEY:</b> G-SERIES DOUBLE HUNG	LOW-E 270 OR EQUIVALENT			
B	(2) 1/1 DOUBLE-HUNG	ALUMINUM CLAD WOOD	SEE WINDOW TAG "A" MANUFACTURERS/PRODUCTS	FACTORY-MULLED WINDOW UNIT
C	NOT USED			
D (D.1 WHERE OCCURS IN UNOCCUPIED ATTICS)	DIRECT SET PICTURE	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD DIRECT SET	CLEAR IG LowE-366 LAMINATED w/ARGON OR EQUIVALENT
			<b>TRIMLINE:</b> LEGENDS DHC300	CARDINAL LoE-270 OR EQUIVALENT
			<b>QUAKER:</b> BRIGHTON PICTURE	Energy 3S LoE-366 w/ARGON OR EQUIVALENT
			<b>WEATHERSHIELD:</b> SIGNATURE DIRECT SET	3/4" Zo-e-shield 5 w/ARGON OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE PICTURE FIXED	UN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>PELLA:</b> ARCHITECT PICTURE	SUNDEFENSE LOW-E IG OR EQUIVALENT
			<b>MARVIN:</b> ULTIMATE PICTURE	LOW E2 OR EQUIVALENT
			<b>ANDERSEN:</b> 400 SERIES WOODWRIGHT PICTURE	LOW-E4 SMARTSUN OR EQUIVALENT
E	1/1 DOUBLE-HUNG AT FIRE ESCAPES	ALUMINUM CLAD WOOD	<b>THERMALLY BROKEN STEEL USA:</b> FIRE-RATED SINGLE-HUNG WINDOW	SELF-CLOSING, FIRE-RATED WINDOW
F	HISTORIC	STEEL	N/A	EXISTING WINDOW TO REMAIN. REMOVE RUST, RESEAL GLAZING AND ENSURE WINDOW IS WEATHER-TIGHT. REPAINT.
G G.1 WHERE OCCURS IN UNOCCUPIED ATTICS)	SLIDING	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD GLIDER	CLEAR IG DUAL LowE OR LowE-366 w/ARGON OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE SLIDING	SUN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>ANDERSEN:</b> 400 SERIES GLIDING	LOW-E4 SMARTSUN OR EQUIVALENT

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**A5.1**  
WINDOW SCHEDULE  
DATE: BID SET - 12.22.2023

**WINDOW GENERAL NOTES**

- REFER TO WINDOW GENERAL NOTES ON SHEET A5.0 FOR HISTORIC AND ENERGY PERFORMANCE REQUIREMENTS.
- THE WINDOW MANUFACTURERS AND PRODUCTS LISTED IN THE WINDOW SCHEDULE ARE ACCEPTABLE WINDOW PRODUCTS. FOR BIDDING, THE CONTRACTOR SHALL SELECT THE MOST COST-EFFECTIVE PRODUCT FROM THE LIST OF ACCEPTABLE PRODUCTS. THE CONTRACTOR MAY ALSO PROPOSE AN ALTERNATIVE PRODUCT THAT IS NOT LISTED IF IT MEETS ALL SPECIFICATIONS AND REQUIREMENTS.

# WINDOW SPECIFICATIONS

## SECTION 085200 - WOOD WINDOWS PART 1 - GENERAL

### 1.1 SUMMARY

- A. Section includes:
1. Aluminum-clad wood windows.

### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.
- C. Samples: For each exposed product and for each color specified.

### 1.3 INFORMATIONAL SUBMITTALS

- A. Product test reports.
- B. Sample warranties.

### 1.4 QUALITY ASSURANCE

- A. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
1. Build mockup of window installation at each type of historic window opening at locations as selected by Architect.
  2. Include brickmold, sealant, flashings, interior trim, and exposed brick cleaning, pointing, and repair.
  3. Mockup to be approved before beginning installation of other windows.
  4. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  5. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

### 1.5 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace wood windows that fail in materials or workmanship within specified warranty period.
1. Warranty Period:
    - a. Window: 10 years from date of Substantial Completion.
    - b. Glazing Units: 20 years from date of Substantial Completion.
    - c. Aluminum-Cladding Finish: 20 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 WINDOW PERFORMANCE REQUIREMENTS

- A. Product Standard: Comply with AAMA/WDMA/CSA 101/I.S.2/A440 for definitions and minimum standards of performance, materials, components, accessories, and fabrication unless more stringent requirements are indicated.
1. Window Certification: WDMA certified with label attached to each window
- B. Performance Class and Grade: AAMA/WDMA/CSA 101/I.S.2/A440 as follows:

1. Double Hung: LC-PG30-H
2. Double Hung (Insert Style): LC-PG30-H.
3. Fixed: LC-PG30-FW.
4. Fixed (Insert Style): LC-PG30-FW.

C. Thermal Transmittance: NFRC 100 maximum whole-window U-factor of 0.30 Btu/sq. ft. x h x deg F.

D. Solar Heat-Gain Coefficient (SHGC): NFRC 200 maximum whole-window SHGC of 0.31.

### 2.2 WOOD WINDOWS

A. Basis-of-Design Products: Subject to compliance with requirements, provide the following products by one of the manufacturers listed in the window schedule or a comparable substitution approved by Architect.

1. Double Hung.
2. Double Hung (Insert Style).
3. Fixed/Direct Set.
4. Slider.

B. Frames and Sashes: Fine-grained wood lumber complying with AAMA/WDMA/CSA 101/I.S.2/A440; kiln dried to a moisture content of not more than 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide; water-repellent preservative treated.

1. Aluminum Finish: Manufacturer's standard. Color: As selected by Architect from manufacturer's full range.
2. Wood Surfaces: Factory primed.
3. Insulating-Glass Units: ASTM E2190. Double insulated, low-e, clear glass unit, fully tempered where indicated on Drawings.
4. Limit Devices: Limit clear opening to 4 inches for ventilation; with custodial key release.
5. Weather Stripping: Provide full-perimeter weather stripping for each operable sash.
6. Extended Reach Range Kit for Accessible Units: Andersen Windows; Reach Range Lock Cover No. 9130384 or a comparable substitution subject to approval by Architect.

C. Exterior Finish: Aluminum-clad wood.

1. Aluminum Finish: Manufacturer's standard fluoropolymer two-coat system with fluoropolymer color topcoat containing not less than 70 percent PVDF resin by weight and complying with AAMA 2605.
  - a. Color: As selected by Architect from manufacturer's full range of standard and custom colors.
2. Interior Finish: Manufacturer's standard factory-prime coat and factory paint. Color TBD by architect.
  - a. Exposed Unfinished Wood Surfaces: Manufacturer's standard species.

D. Insulating-Glass Units: ASTM E 2190.

1. Product: Cardinal Glass; Dual LowE.
2. Unit Thickness: Window manufacturer's standard.
3. Glass: ASTM C 1036, Type 1, Class 1, q3.
  - a. Tint: Clear.
  - b. Kind: Fully tempered where indicated on Drawings.



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**A5.2**  
**WOOD WINDOW SPECS.**  
DATE: BID SET - 12.22.2023



## WINDOW SPECIFICATIONS (CONTINUED)

4. Lites: Two.
  5. Spacer: Manufacturer's standard.
  6. Filling: Fill space between glass lites with argon.
  7. Low-E Coating: Two layers sputtered on second surface.
- E. Glazing System: Manufacturer's standard factory-glazing system that produces weathertight seal.
- F. Hardware, General: Provide manufacturer's standard corrosion-resistant hardware sized to accommodate sash weight and dimensions.
1. Exposed Hardware Color and Finish: As selected by Architect from manufacturer's full range.
- G. Hung Window Hardware:
1. Jamblers: Extruded vinyl with a spring-loaded mechanical balancing system.
  2. Lock: Manufacturers' standard cam locks. Provide two locks on units 32 inches and wider.
  3. Tilt Latch: Spring loaded tilt latch is to engage and release the sash from the jambliner, allowing the sash to be tilted in and removed for cleaning.
- H. Weather Stripping: Provide full-perimeter weather stripping for each operable sash unless otherwise indicated.
- I. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.
1. Exposed Fasteners: Do not use exposed fasteners to greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.
- J. Aluminum Sheet: ASTM B209, alloy as standard with manufacturer for finish required, with temper as required to suit forming operations and performance required; with smooth, flat surface.
1. Opening Flashings: Form head and sill flashing with 2-inch- high, end dams as applicable. Fabricate from the following materials:
  2. Aluminum: 0.032 inch thick.
  3. Exposed Coil-Coat Finish:
    - a. Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instruction.
    - b. Color: Match exterior of windows.
- K. Insect Screens:
1. General: Fabricate insect screens to integrate with window frame. Provide screen for each operable exterior sash. Screen wickets are not permitted.
    - a. Type and Location: Half height, outside for double-hung sashes.
  2. Aluminum Frames: Complying with SMA 1004 or SMA 1201.
    - a. Finish for Exterior Screens: Matching color and finish of cladding.
  3. Glass-Fiber Mesh Fabric: 18-by-14 or 18-by-16 mesh of PVC-coated, glass-fiber threads; woven and fused to form a fabric mesh resistant to corrosion, shrinkage, stretch, impact damage, and weather deterioration. Comply with ASTM D 3656/D 3656M.
    - a. Mesh Color: Manufacturer's standard.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E 2112.
- B. Install windows level, plumb, square, true to line, without distortion, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.
- C. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.
- D. Install insect screens at end of construction, at a time determined by Owner.
- E. Clean exposed surfaces immediately after installing windows. Remove excess sealants, glazing materials, dirt, and other substances.
- F. Remove and replace sashes if glass has been broken, chipped, cracked, abraded, or damaged during construction period.

END OF SECTION 085200

## GYP SUM BOARD REPAIR SPECIFICATIONS

### SECTION 092900 - GYPSUM BOARD

#### 1.1 INTERIOR GYPSUM BOARD

- A. Manufacturers: Subject to compliance with requirements, provide the products listed in Part 2 by one of the following:
  1. CertainTeed Corp.
  2. Georgia-Pacific Gypsum LLC.
  3. Lafarge North America Inc.
  4. National Gypsum Company.
  5. Temple-Inland.
  6. USG Corporation.
- B. Gypsum Wallboard: ASTM C 1396/C 1396M.
  1. Product:
    - a. CertainTeed Corp.: ProRoc Regular
    - b. Georgia-Pacific Gypsum LLC; ToughRock.
    - c. Continental; Regular Drywall.
    - d. National Gypsum Company; Gold Bond BRAND
    - e. USG Corporation; SHEETROCK Brand.
  2. Thickness: 1/2 inch / 5/8 inch (match existing).

#### 1.2 TRIM ACCESSORIES

- A. Interior Trim: ASTM C 1047.
  1. Material: Galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized steel sheet.
  2. Shapes: Cornerbead.

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**A5.3**  
WOOD WINDOW SPECS.  
DATE: BID SET - 12.22.2023

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**TYPICAL WINDOW DETAIL NOTES:**

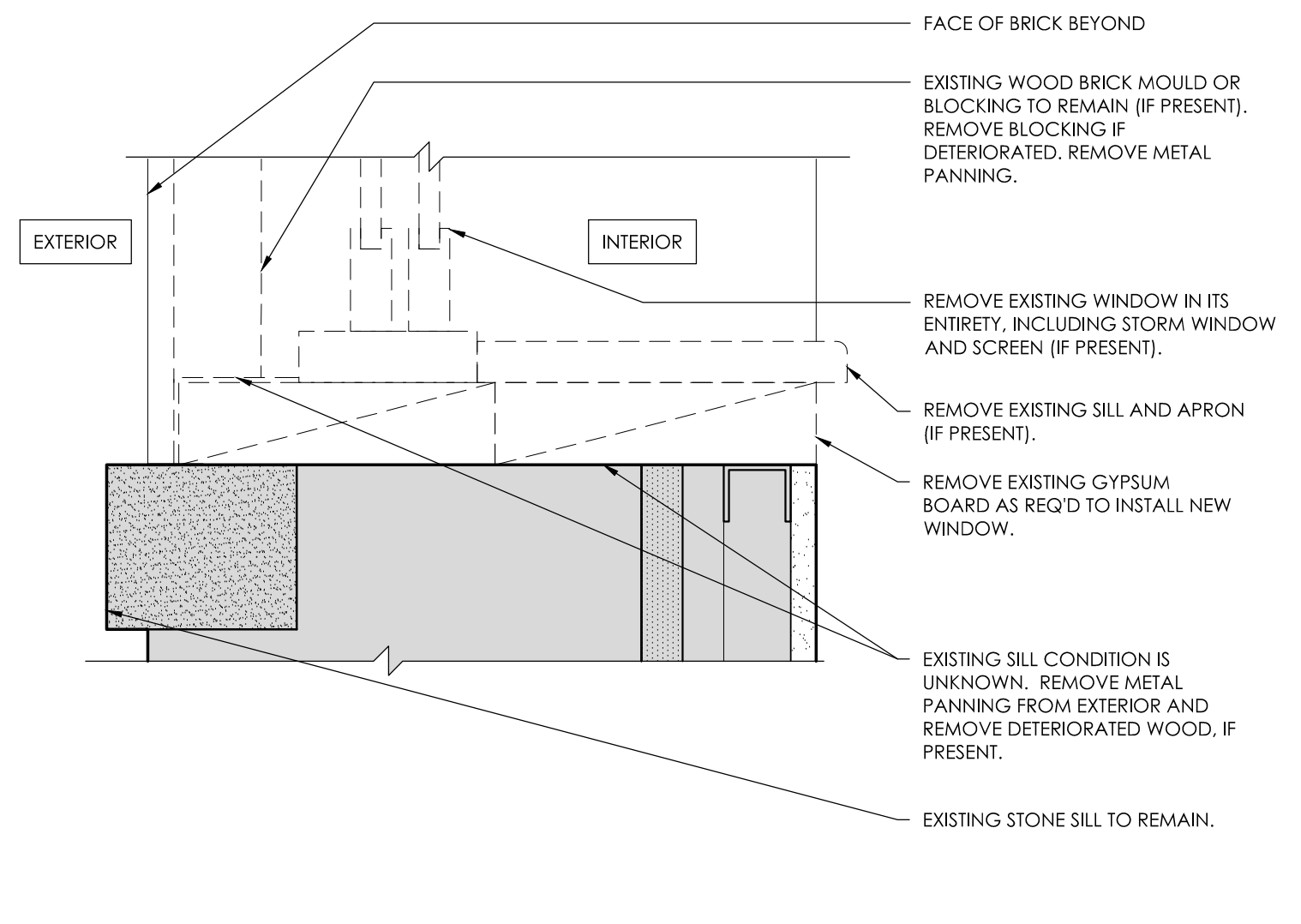
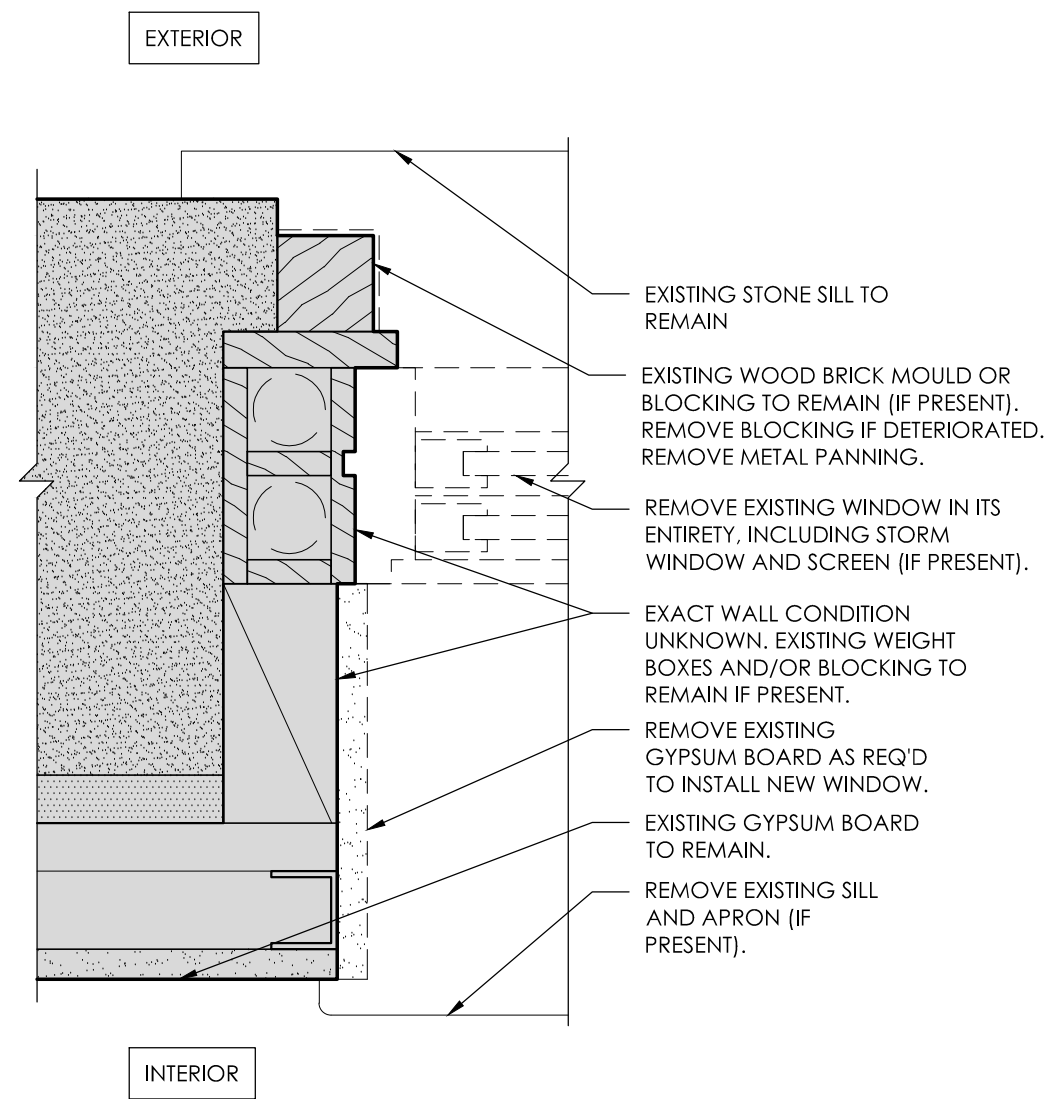
1. TYPICAL WINDOW DETAILS ARE PROVIDED FOR REFERENCE AND REPRESENT THE ASSUMED TYPICAL CONDITION OF MOST WINDOWS. THE CONTRACTOR MUST ASSUME THAT THE HEAD, JAMB, AND SILL CONDITIONS OF THE EXISTING ROUGH OPENINGS WILL VARY, AND THE EXISTING INTERIOR AND EXTERIOR TRIM AND FINISHES WILL ALSO VARY.
2. THE DESIGN INTENT IS TO PROVIDE A WEATHERTIGHT WINDOW WITH FLASHING AS SHOWN IN THE DETAILS, WITH NEW ALUMINUM TRIM ON THE EXTERIOR WITH SIMILAR SIGHT LINE DIMENSIONS AS THE EXISTING WINDOWS AND TO REPAIR/REPLACE THE INTERIOR FINISHES TO MATCH THE EXISTING TYPICAL INTERIOR FINISHES AND WINDOW STOOLS.
3. THE CONTRACTOR MAY ADD P.T. WOOD BLOCKING NOT SHOWN IN THE DETAILS AS REQUIRED TO INSTALL THE WINDOWS - COORDINATE WITH ARCHITECT PRIOR TO PROCEEDING WITH DEVIATIONS FROM THESE DETAILS.

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**WINDOW REPLACEMENT**  
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**A5.4**  
TYP. WINDOW DETAILS  
DATE: BID SET - 12.22.2023



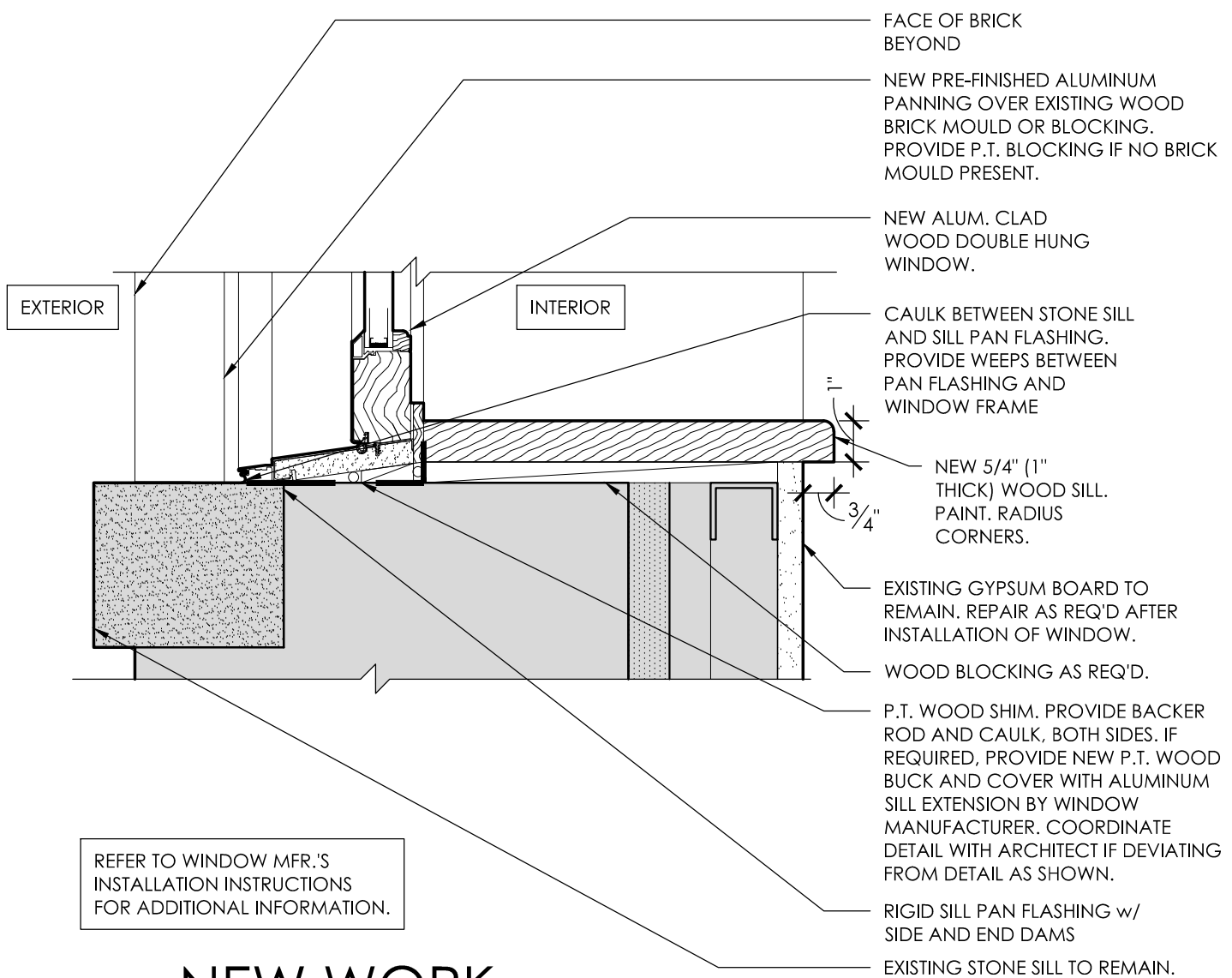
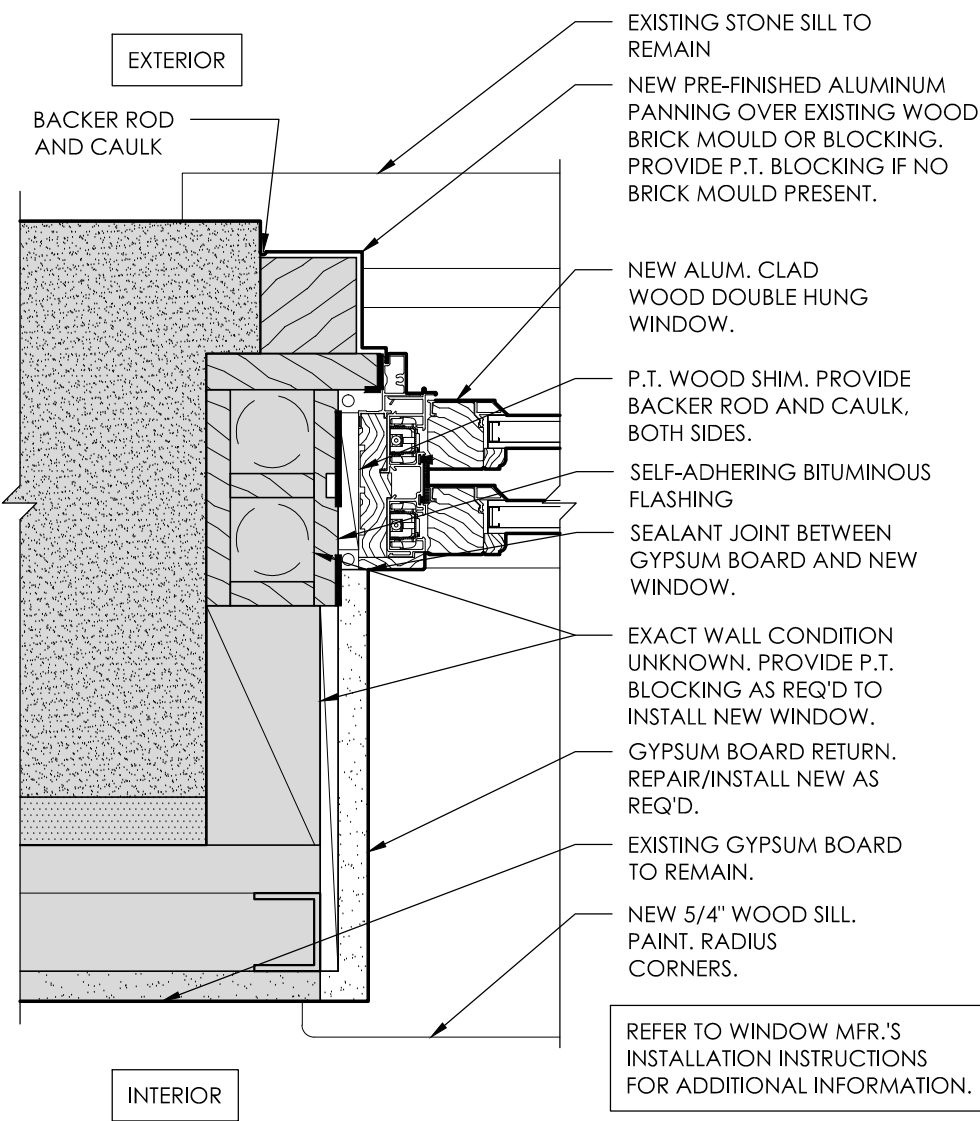
1  
A5.4  
3" = 1'-0"  
**DEMOLITION TYP. HUNG WINDOW JAMB DTL**

2  
A5.4  
3" = 1'-0"  
**DEMOLITION TYP. HUNG WINDOW SILL DTL**

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**TYPICAL WINDOW DETAIL NOTES:**

1. TYPICAL WINDOW DETAILS ARE PROVIDED FOR REFERENCE AND REPRESENT THE ASSUMED TYPICAL CONDITION OF MOST WINDOWS. THE CONTRACTOR MUST ASSUME THAT THE HEAD, JAMB, AND SILL CONDITIONS OF THE EXISTING ROUGH OPENINGS WILL VARY, AND THE EXISTING INTERIOR AND EXTERIOR TRIM AND FINISHES WILL ALSO VARY.
2. THE DESIGN INTENT IS TO PROVIDE A WEATHERTIGHT WINDOW WITH FLASHING AS SHOWN IN THE DETAILS, WITH NEW ALUMINUM TRIM ON THE EXTERIOR WITH SIMILAR SIGHT LINE DIMENSIONS AS THE EXISTING WINDOWS AND TO REPAIR/REPLACE THE INTERIOR FINISHES TO MATCH THE EXISTING TYPICAL INTERIOR FINISHES AND WINDOW STOOLS.
3. THE CONTRACTOR MAY ADD P.T. WOOD BLOCKING NOT SHOWN IN THE DETAILS AS REQUIRED TO INSTALL THE WINDOWS - COORDINATE WITH ARCHITECT PRIOR TO PROCEEDING WITH DEVIATIONS FROM THESE DETAILS.



**NEW WORK  
TYP. HUNG WINDOW JAMB DTL**

**NEW WORK  
TYP. HUNG WINDOW SILL DTL**

1  
A5.5  
3" = 1'-0"

2  
A5.5  
3" = 1'-0"

# WINDOW REPLACEMENT: 1726-1728 RACE ST. CINCINNATI OH

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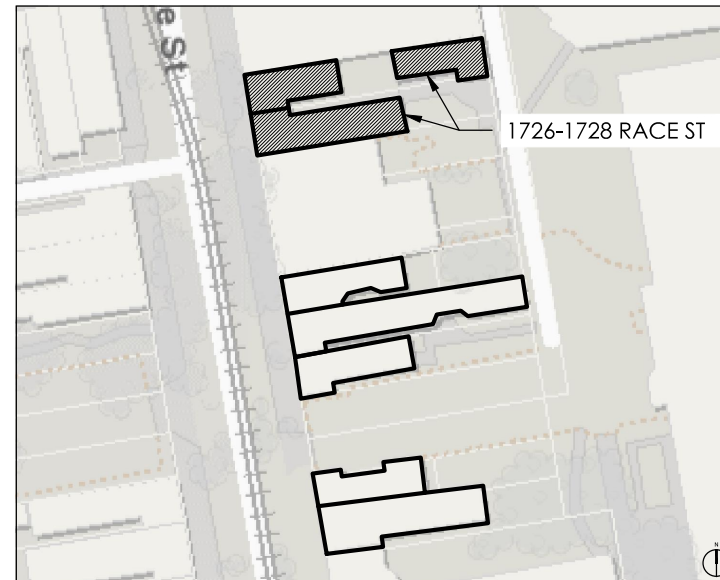
## GENERAL NOTES

1. THE GENERAL CONTRACTOR (G.C.) SHALL VERIFY ALL INFORMATION IN THESE DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEPARTURES FROM THESE PLANS NOT APPROVED IN WRITING BY THE ARCHITECT.
2. THE ARCHITECT HAS MADE NO INVESTIGATION TO DETERMINE IF ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL IS PRESENT IN EXISTING CONSTRUCTION AND ASSUMES NO RESPONSIBILITY WITH REGARD TO ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL.
3. THE G.C. IS TO REVIEW THESE DRAWINGS AND VISIT THE SITE BEFORE COMMENCING THE PROJECT IN ORDER TO FAMILIARIZE HIM OR HERSELF WITH THE PROPOSED WORK.
4. THE G.C. IS TO REMOVE ONLY THOSE ELEMENTS SLATED FOR DEMOLITION EITHER GRAPHICALLY OR BY NOTATION. NO OTHER ELEMENTS ARE TO BE REMOVED. IF THE CONTRACTOR QUESTIONS THE REMOVAL OF AN ELEMENT, OR IF THERE IS A CONFLICT BETWEEN THE NOTES AND THE GRAPHICS, CONTRACTOR IS TO ASK THE ARCHITECT IMMEDIATELY.
5. THE G.C. IS TO PROTECT AND SAVE BUILDING ELEMENTS CONNECTED TO, OR ADJ. TO, THOSE ELEMENTS WHICH ARE SLATED TO BE REMOVED.
6. THE G.C. SHALL NOT REMOVE ANY ELEMENTS WHICH MAY CAUSE THE STRUCTURE TO BECOME UNSTABLE, OR THAT WILL POSE A RISK TO PERSONS OR PROPERTY, EVEN IF INDICATED IN PLANS. IF ANY ELEMENTS BECOME UNSTABLE, CONTRACTOR IS TO STABILIZE AND SHALL INFORM THE ARCHITECT/OWNER IMMEDIATELY.
7. IT IS UP TO THE G.C. TO CONTINUALLY EVALUATE THE STRUCTURAL STABILITY OF THE BUILDING AND THE INTEGRITY OF ELEMENTS BOTH STRUCTURAL AND NON-STRUCTURAL THAT ARE SHOWN TO REMAIN. IF THE CONTRACTOR DETERMINES THAT SOME OF THESE ELEMENTS SHOULD BE REMOVED, HE/SHE MUST FIRST RECEIVE PERMISSION FROM THE ARCHITECT/OWNER, OR MAY BE FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF THESE ELEMENTS.
8. THE G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL TRASH AND DEBRIS THROUGHOUT THE WORK. ALL DEBRIS MUST BE REMOVED AND DISCARDED IN A SAFE AND LEGAL MANNER.
9. THE G.C. IS RESPONSIBLE FOR THE PROCUREMENT OF ANY ADDITIONAL MATERIALS, EQUIPMENT, AND PERMITS AND FOR ANY FEES, PENALTIES OR RENTAL COSTS ASSOCIATED WITH THE DEMOLITION WORK.
10. THE G.C. IS TO PROTECT THE BUILDING FROM THE ELEMENTS, THEFT AND VANDALISM AT ALL TIMES DURING WORK.
11. **THE PLAN AND ELEVATION DRAWINGS ARE TO SHOW LOCATIONS AND QUANTITIES OF WINDOW REPLACEMENT ONLY. ANY NOTATIONS OTHER THAN THE WINDOW TAGS AND KEYNOTES ON THE PLAN AND ELEVATION DRAWINGS DO NOT APPLY TO THIS PROJECT.**

## DRAWING INDEX

- A0.0** COVER SHEET, GENERAL NOTES, DRAWING INDEX, LOCATION PLAN, PROJECT INFORMATION
- A3.1** FIRST FLOOR PLAN
- A3.2** SECOND FLOOR PLAN
- A3.3** THIRD FLOOR PLAN
- A4.0** WEST ELEVATIONS
- A4.1** 1728 NORTH ELEVATION
- A4.2** 1726 NORTH ELEVATION
- A4.3** EAST ELEVATIONS
- A4.4** 1728 SOUTH ELEVATION
- A5.0** WINDOW NOTES
- A5.1** WINDOW SCHEDULE
- A5.2** WOOD WINDOW SPECIFICATIONS
- A5.3** WOOD WINDOW SPECIFICATIONS
- A5.4** TYPICAL WINDOW DETAILS
- A5.5** TYPICAL WINDOW DETAILS

## LOCATION PLAN (NOT TO SCALE)



## PROJECT INFORMATION

- 1. PROJECT LOCATION:**  
1726-1728 RACE ST. CINCINNATI OH 45202
- 2. DESCRIPTION:**  
THE PROJECT IS THE REPLACEMENT OF WINDOWS IN A MULTI-STORY, MULTI-FAMILY RESIDENTIAL BUILDING. THE WORK IS LIMITED TO REMOVAL OF EXISTING WINDOW UNITS AND BRICKMOULD COVERINGS, INSTALLATION OF NEW WINDOWS AND NEW EXTERIOR BRICKMOULD COVERING WINDOW TRIM, AND REPAIR OF INTERIOR FINISHES AND TRIM AROUND THE WINDOW OPENINGS AFTER THE WINDOWS ARE INSTALLED. THERE IS NO CHANGE TO THE USE, OCCUPANCY, CONSTRUCTION TYPE, OR MEANS OF EGRESS.  
  
THE ATTACHED DOCUMENTS ARE TO BE USED FOR BIDDING, PERMITTING, AND CONSTRUCTION. TO DETERMINE PROJECT COST AND SCOPE OF WORK, THE DOCUMENTS INCLUDE ALTERNATE ACCEPTABLE WINDOW PRODUCTS AND ALTERNATE SCOPES OF WORK RELATED TO WINDOW REPLACEMENT. AFTER EVALUATION OF BIDS, THE FINAL SCOPE OF WORK AND ALTERNATE SCOPES DESCRIBED IN THESE DOCUMENTS WILL BE DETERMINED. (SEE "BID ALTERNATES" ON SHEET A0.0 FOR ADDITIONAL INFORMATION.)
- 3. GOVERNING CODE:**  
2017 OBC (OHIO BUILDING CODE)
- 4. ZONING DESIGNATION:**  
CC-P, COMMERCIAL COMMUNITY-PEDESTRIAN OVER THE RHINE HISTORIC DISTRICT

- 5. CONSTRUCTION TYPE:**  
EXISTING CONSTRUCTION CLASSIFICATION IS IIIB. NO CHANGE TO CONSTRUCTION CLASSIFICATION IS PROPOSED.
- 6. USE GROUPS/OCCUPANCY/EXIT REQUIREMENTS:**  
THE BUILDING IS RESIDENTIAL USE (R-2). NO CHANGES ARE PROPOSED TO THE BUILDING USE, OCCUPANCY, EXITING, HEIGHT, AREA, ETC.
- 7. FIRE PROTECTION:**  
THE BUILDING IS NOT PROTECTED WITH AN AUTOMATIC SPRINKLER SYSTEM, AN EXISTING NON-CONFORMING CONDITION WHICH WILL REMAIN.
- 8. WINDOWS ALONG FIRE ESCAPES:**  
PER OBC 3406.5, WINDOWS ALONG FIRE ESCAPES ARE REQUIRED TO BE PROTECTED WITH 3/4-HOUR OPENING PROTECTIVES.  
  
NEW WINDOWS ALONG FIRE ESCAPES WILL HAVE 3/4-HOUR FIRE RESISTANCE RATING.  
  
THE CONTRACTOR IS TO PROVIDE AN ALTERNATIVE PRICE TO LEAVE THE EXISTING NON-FIRE RATED WINDOWS IN PLACE WHICH WOULD CONSTITUTE AN EXISTING NON-CONFORMING CONDITION TO REMAIN.

## BID ALTERNATES

- BID ALTERNATE NOTE:**  
THE BIDDING CONTRACTOR IS TO PROVIDE A SEPARATE LINE ITEM PRICE FOR EACH OF THE FOLLOWING ADD/DEDUCT ALTERNATES SO THAT THE OWNER CAN EVALUATE THE COST IMPACT OF EACH ITEM. AFTER EVALUATION OF BIDS, THE FINAL SCOPE OF ALTERNATE WORK WILL BE DETERMINED.
- 1. FIRE-RATED WINDOWS (TYPE "E"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE WINDOWS ALONG FIRE ESCAPES, AND TO LEAVE THE EXISTING WINDOWS IN PLACE IN THESE LOCATIONS.
  - 2. FIXED/PICTURE WINDOWS (TYPE "D"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE THE EXISTING FIXED/PICTURE WINDOWS, AND TO LEAVE THE EXISTING WINDOWS IN PLACE IN THESE LOCATION.
  - 3. FIXED/PICTURE WINDOWS IN UNOCCUPIED ATTICS (TYPE "D.1 & G.1"):** PROVIDE A DEDUCT ALTERNATE PRICE TO NOT REPLACE EXISTING ATTIC WINDOWS IN UNOCCUPIED ATTICS, AND TO LEAVE THESE WINDOWS IN PLACE. SEE PLANS AND ELEVATIONS FOR LOCATIONS OF UNOCCUPIED ATTICS.
  - 4. EXISTING HISTORIC STEEL WINDOWS (TYPE "F"):** PROVIDE A DEDUCT ALTERNATE PRICE TO OMIT THE REPAIR OF THE (2) EXISTING HISTORIC STEEL WINDOWS, AND TO REMOVE THIS FROM THE SCOPE OF WORK.
  - 5. INTERIOR WINDOW FINISH:** PROVIDE AN ALTERNATE PRICE TO PROVIDE FACTORY-PRIMED, FIELD-PAINTED WINDOWS. (BASIS OF DESIGN IS FACTORY-PAINTED, SEE ATTACHED SPECIFICATIONS).
  - 6. EXTERIOR TRIM PAINTING:** PROVIDE AN ADD ALTERNATE PRICE TO INSTALL ALUMINUM PANNING AT THE NEW ARCH-TOP WINDOW HEAD TRIM (BASIS OF DESIGN IS NEW PAINTED WOOD TRIM). SEE FRONT ELEVATIONS FOR LOCATIONS AND QUANTITIES.
  - 7. BLINDS:** PROVIDE AN ADD ALTERNATE PRICE TO PROVIDE BLINDS FOR ALL OPERABLE WINDOWS - 1" HORIZONTAL LOUVER BLINDS WITH VINYL/POLYMER SLATS.

WINDOW  
REPLACEMENT  
1726-1728 Race Street  
Cincinnati OH 45202

A0.0  
COVER SHEET

DATE: BID SET - 12.22.2023

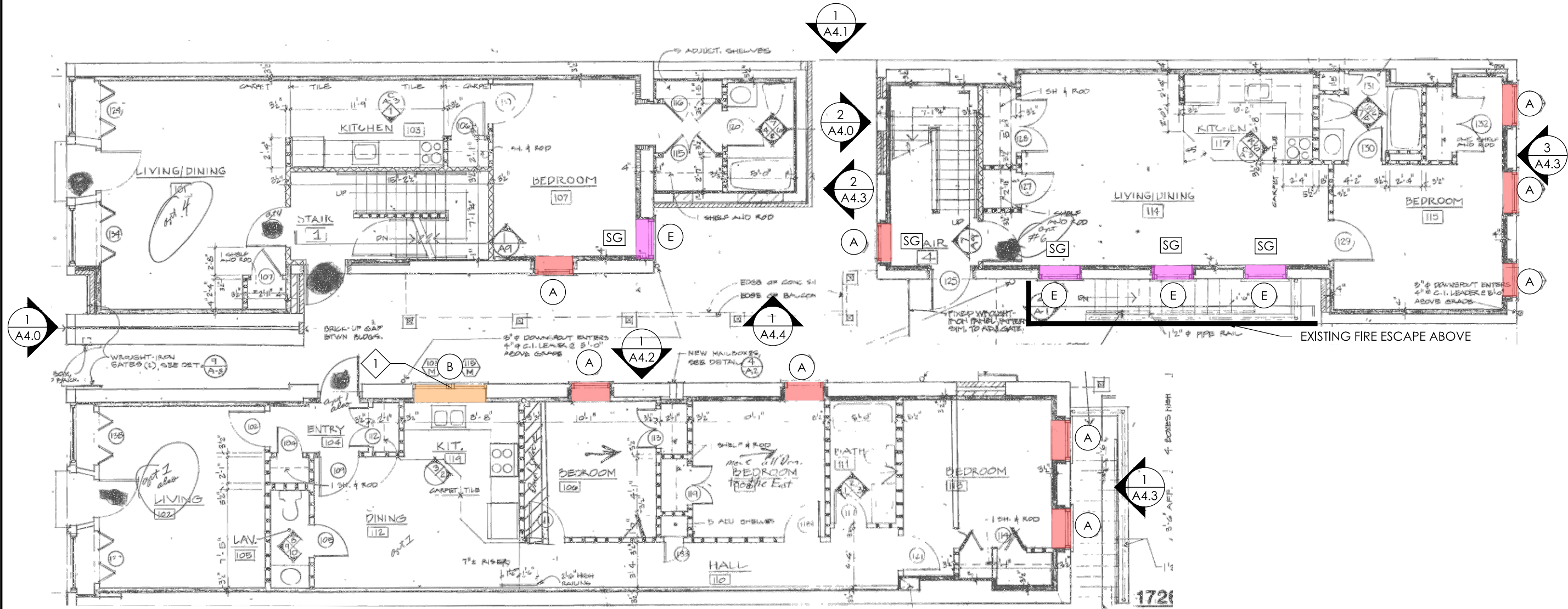
PLAN AND ELEVATION GENERAL NOTES

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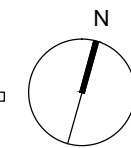
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- REPLACE EXISTING WOOD WINDOW TRIM. PAINT. SEE EXTERIOR ELEVATIONS AND "BID ALTERNATES" ON SHEET A0.0 FOR ADDITIONAL INFORMATION.

PRELIMINARY  
NOT FOR  
CONSTRUCTION



1  
A3.1  
**FIRST FLOOR PLAN**  
1/8" = 1'-0"



**A3.1**  
FIRST FLOOR PLAN  
DATE: BID SET - 12.22.2023

WINDOW  
REPLACEMENT  
1726-1728 Race Street  
Cincinnati OH 45202



Cincinnati Metropolitan  
Housing Authority

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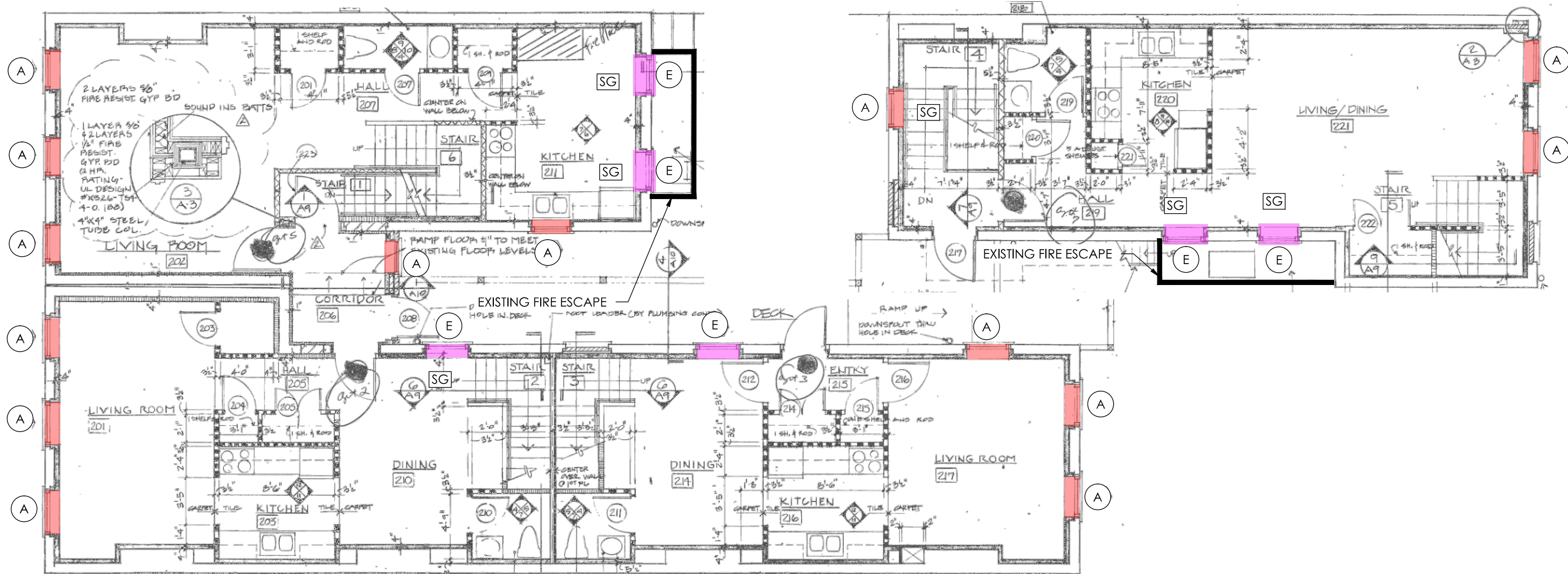
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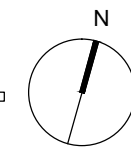
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PRELIMINARY  
NOT FOR  
CONSTRUCTION



1  
A3.2  
SECOND FLOOR PLAN  
1/8" = 1'-0"



WINDOW  
REPLACEMENT  
1726-1728 Race Street  
Cincinnati OH 45202

A3.2  
SECOND FLOOR PLAN  
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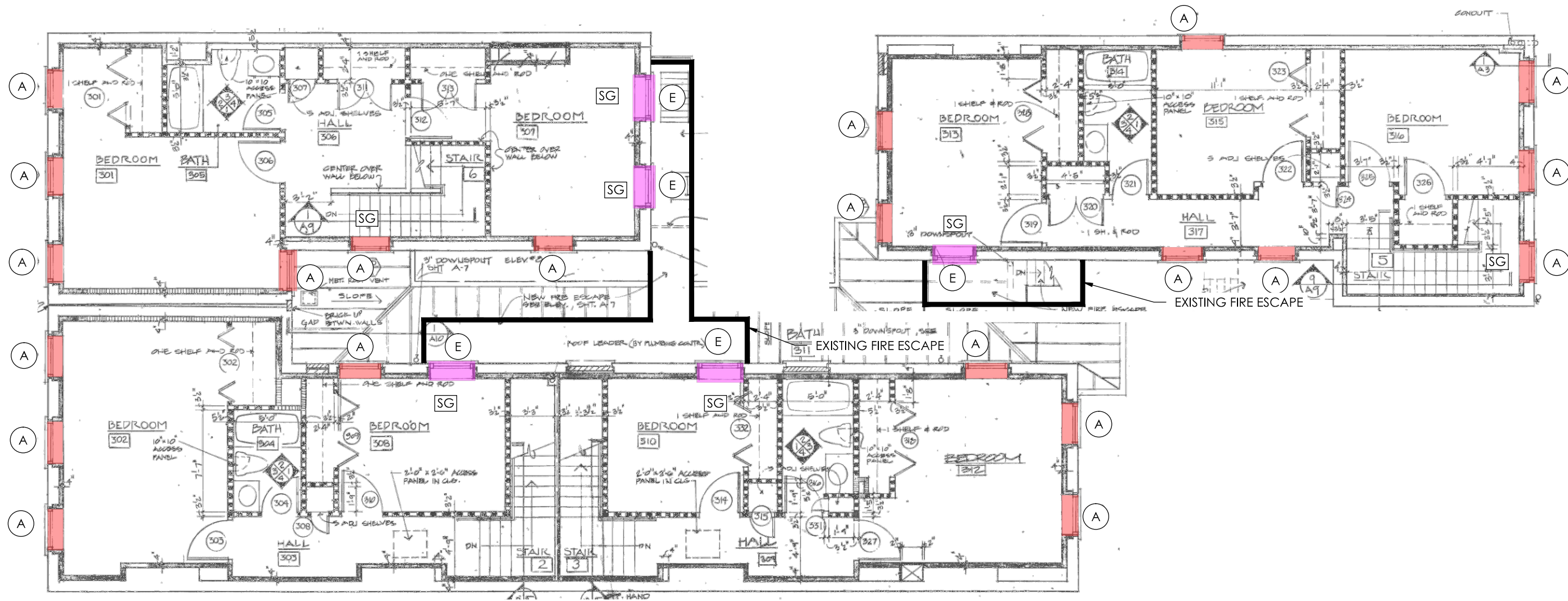
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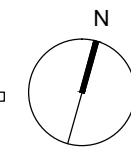
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PRELIMINARY  
NOT FOR  
CONSTRUCTION



1  
A3.3  
**THIRD FLOOR PLAN**  
1/8" = 1'-0"



WINDOW  
REPLACEMENT  
1726-1728 Race Street  
Cincinnati OH 45202

**A3.3**  
THIRD FLOOR PLAN  
DATE: BID SET - 12.22.2023

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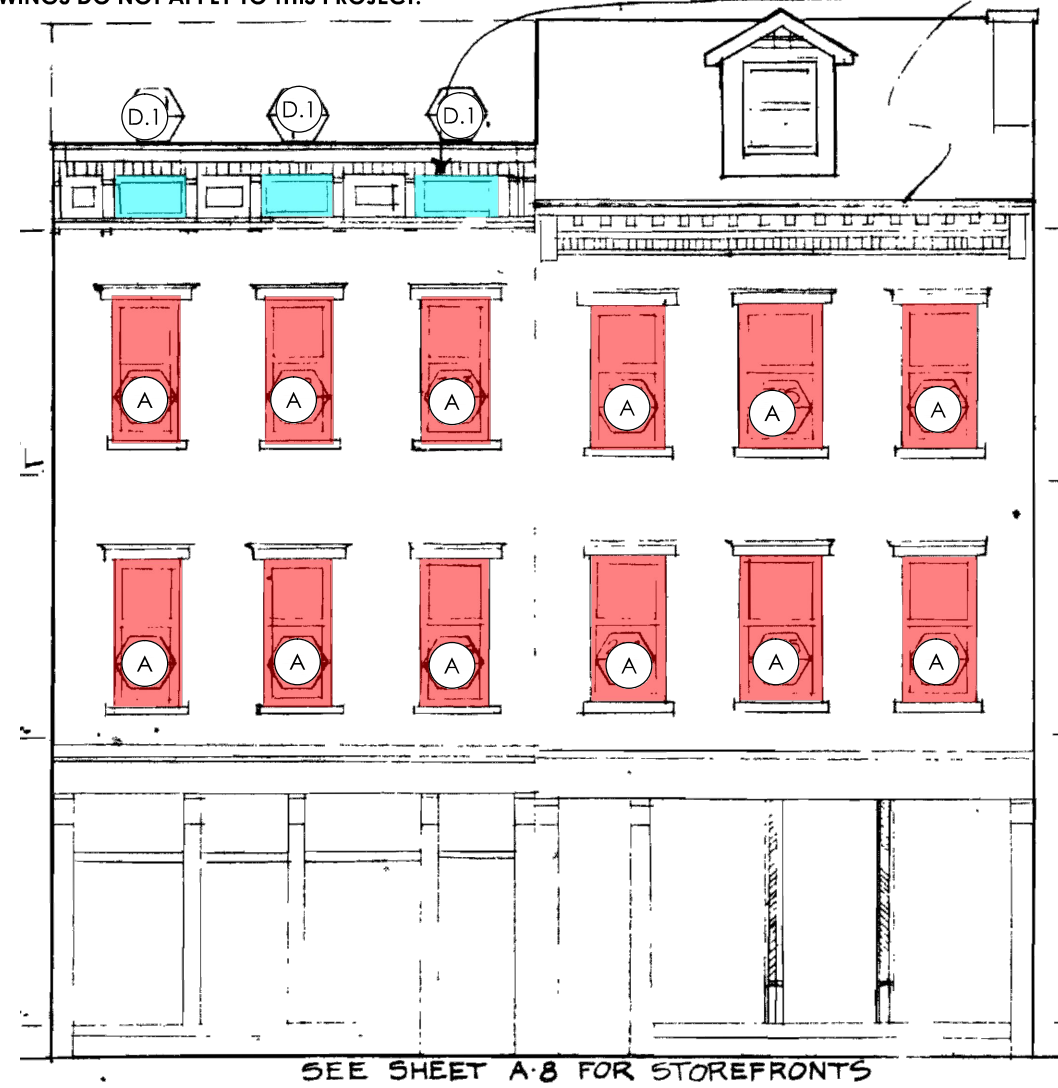
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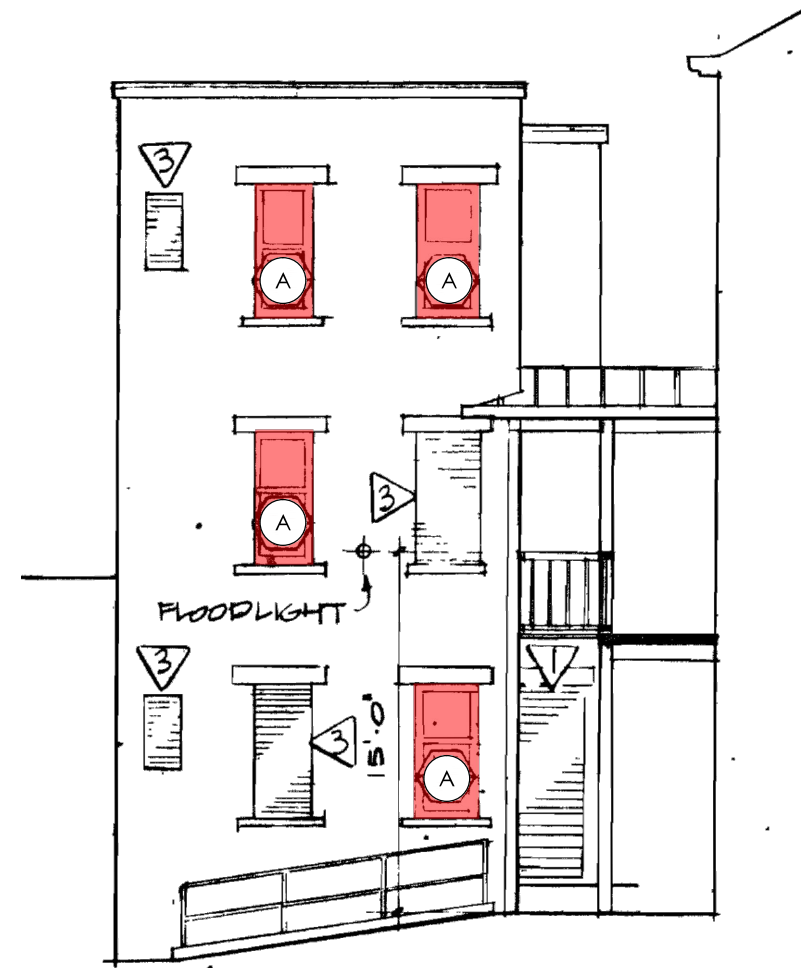


1

**WEST ELEVATION**

1  
A4.0

1/8" = 1'-0"

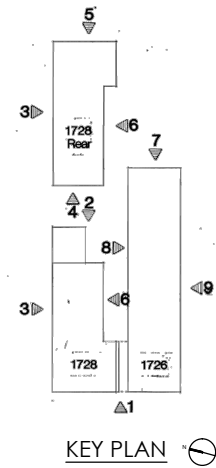


4

**1728 REAR WEST ELEVATION**

2  
A4.0

1/8" = 1'-0"



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REPLACEMENT**  
1726-1728 Race Street  
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**A4.0**  
WEST ELEVATION

DATE: BID SET - 12.22.2023



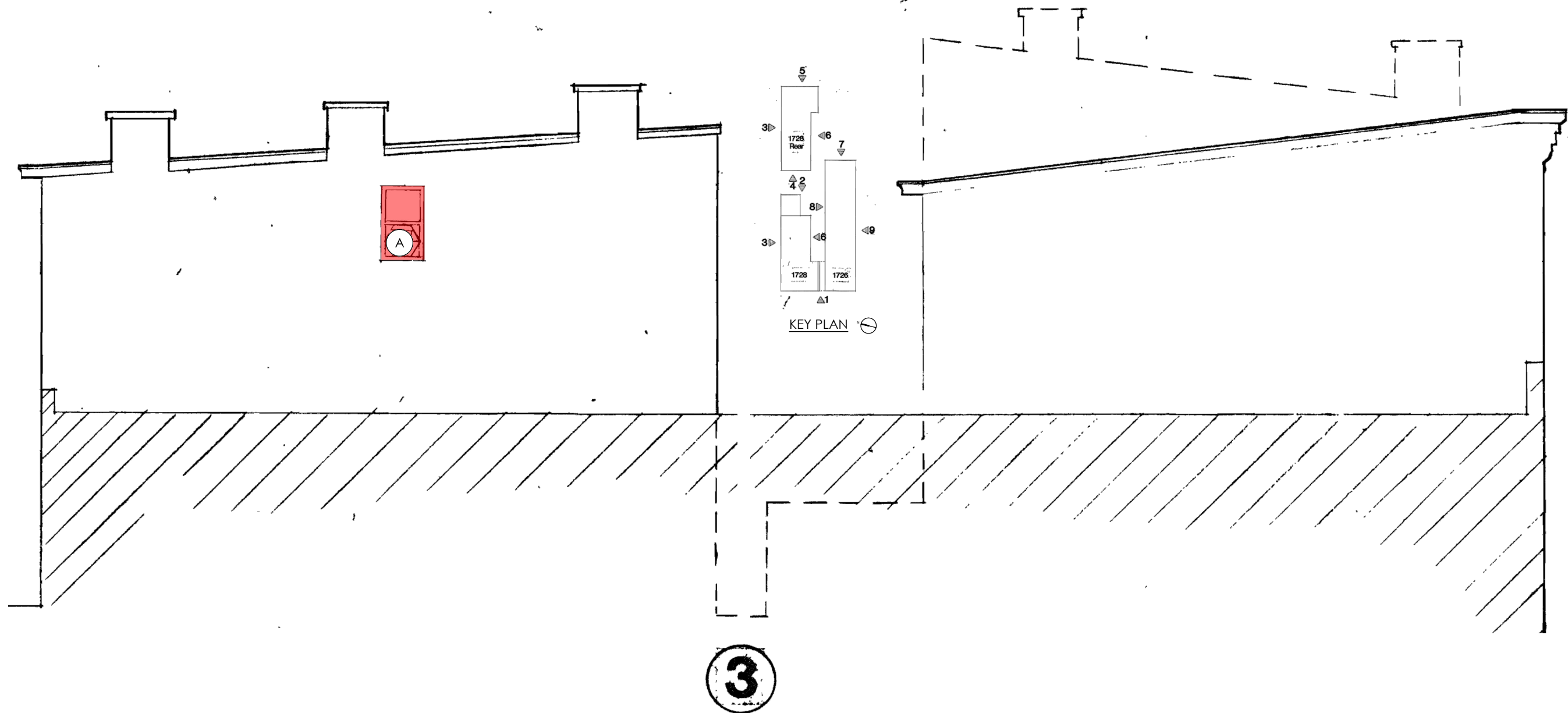
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PRELIMINARY  
NOT FOR  
CONSTRUCTION



**1**  
A4.1  
**1728 NORTH ELEVATION**  
1/8" = 1'-0"

**WINDOW REPLACEMENT**  
 1726-1728 Race Street  
 Cincinnati OH 45202

**A4.1**  
 NORTH ELEVATION  
 DATE: BID SET - 12.22.2023

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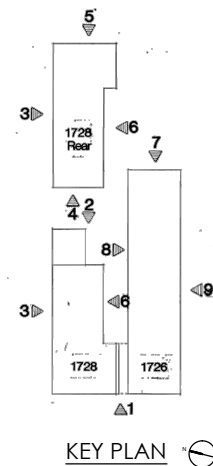
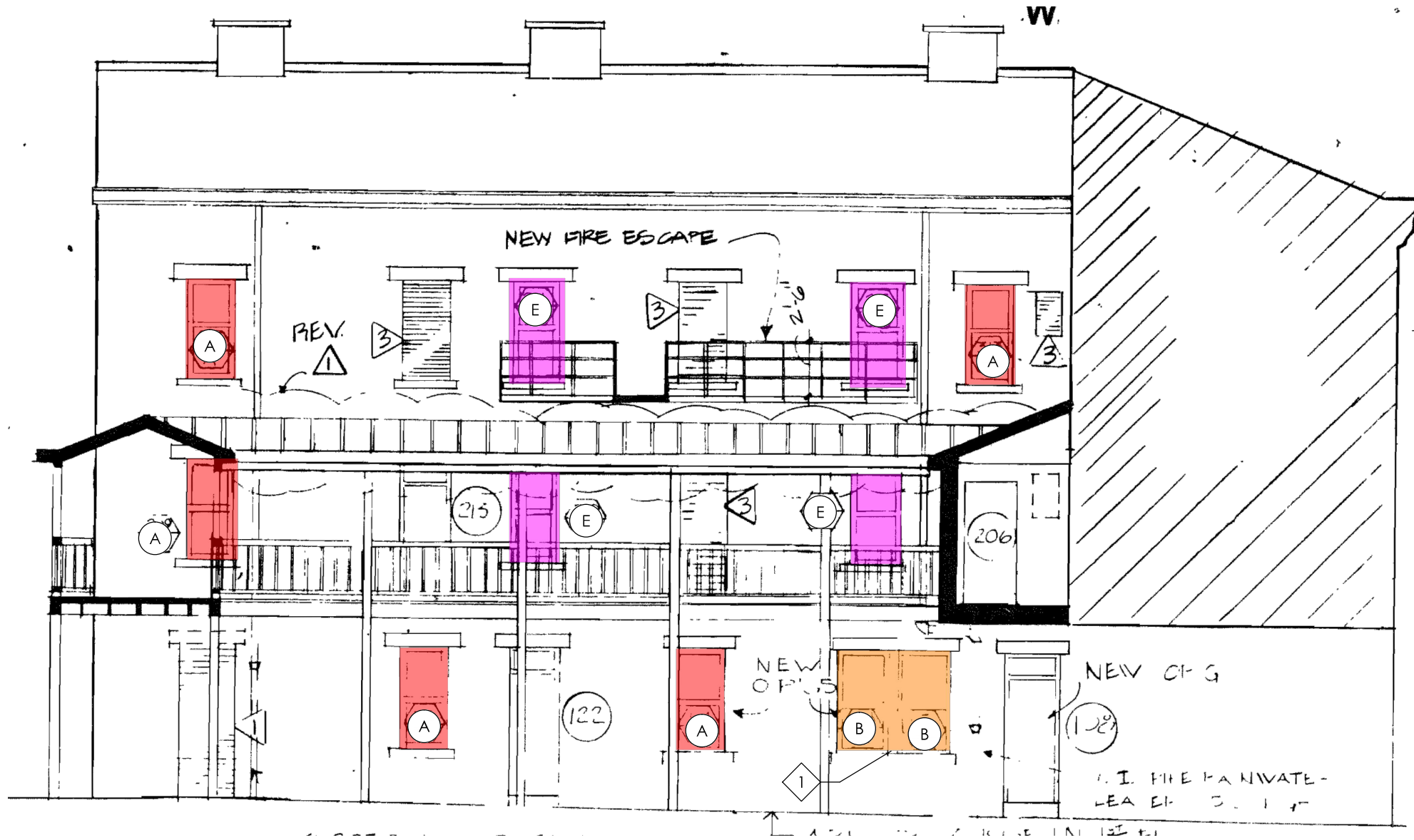
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WINDOW  
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Cincinnati OH 45202

**A4.2**  
1726 NORTH ELEVATION  
DATE: BID SET - 12.22.2023



**1**  
A4.2  
**1726 NORTH ELEVATION**  
1/8" = 1'-0"

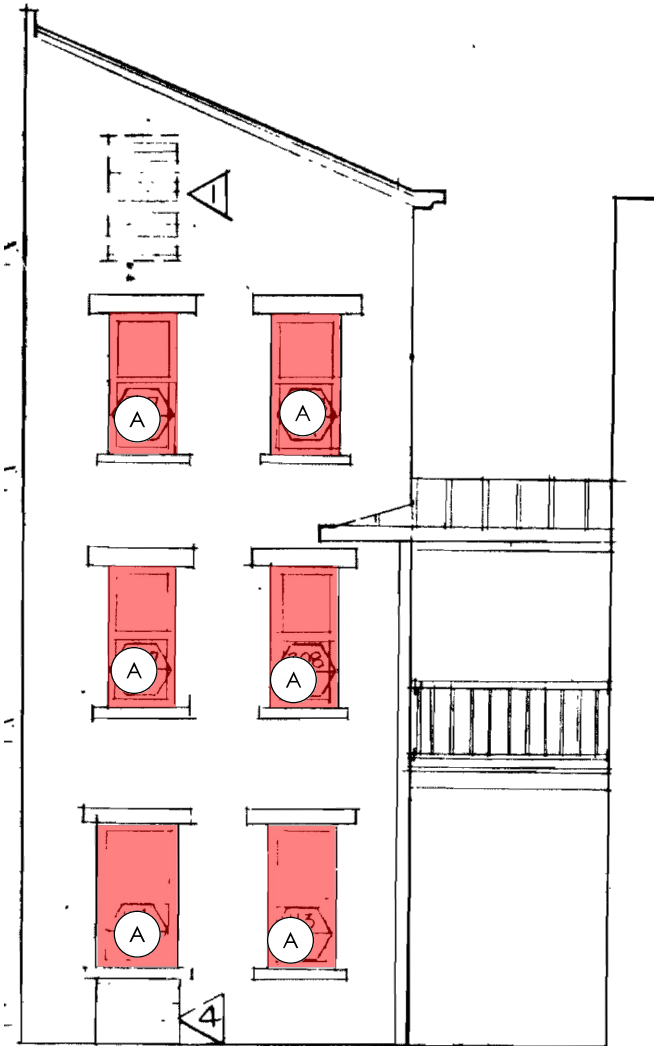
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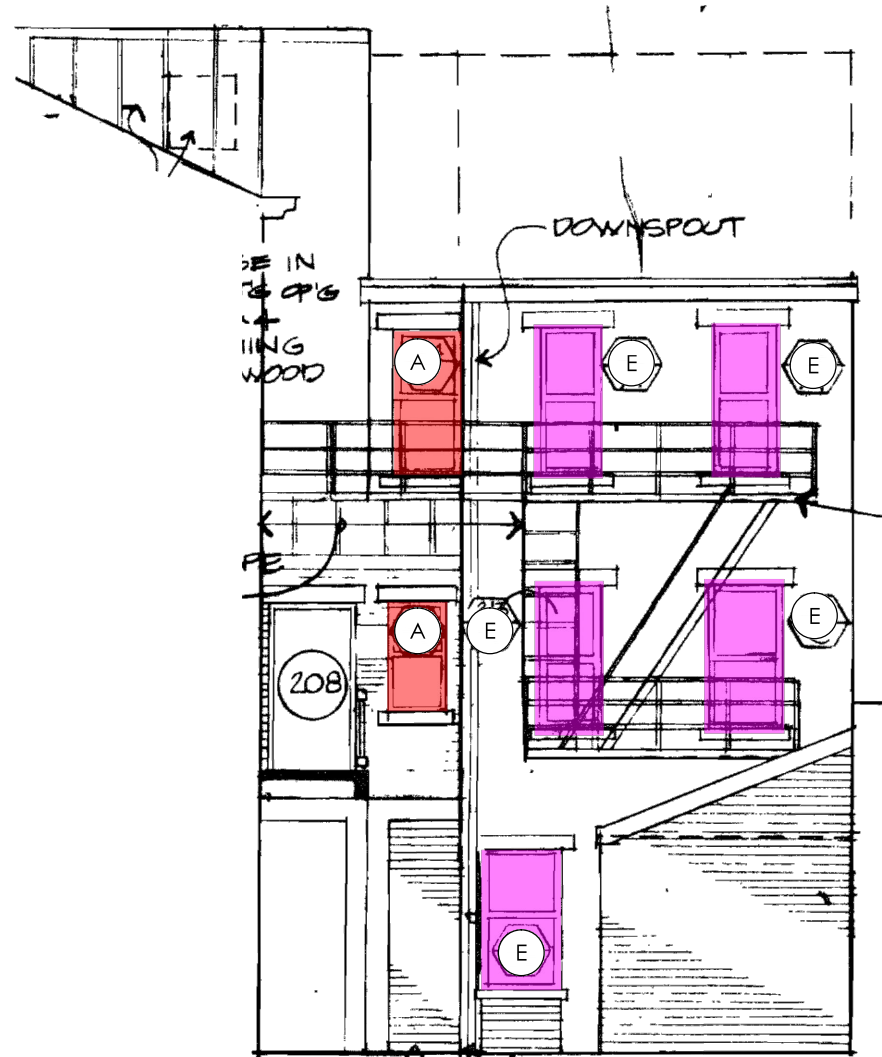
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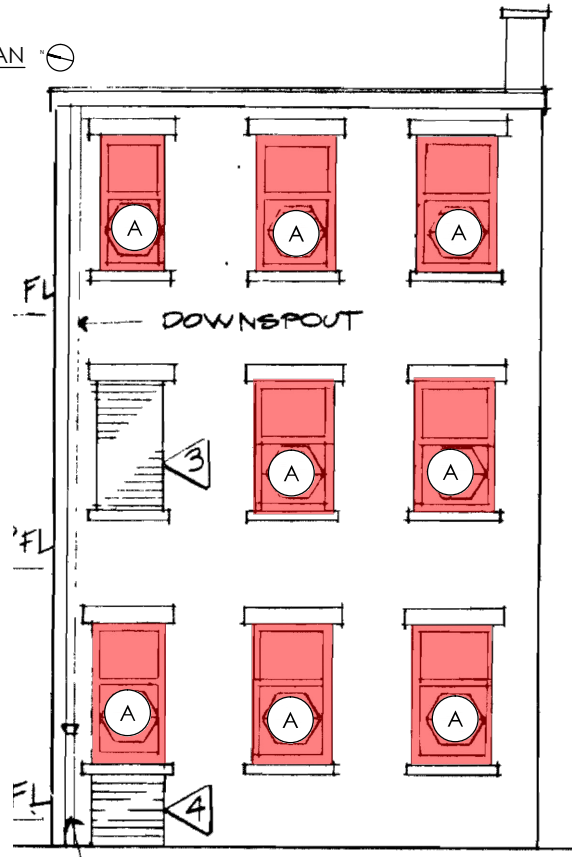
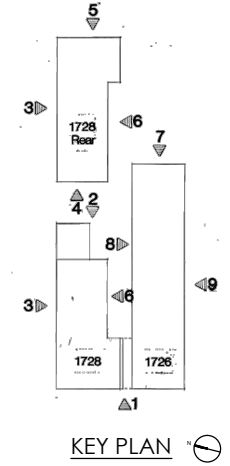
7

1  
A4.3 1726 EAST ELEV.  
1/8" = 1'-0"



2

2  
A4.3 1728 EAST ELEV.  
1/8" = 1'-0"



5

3  
A4.3 1728 REAR EAST ELEV.  
1/8" = 1'-0"

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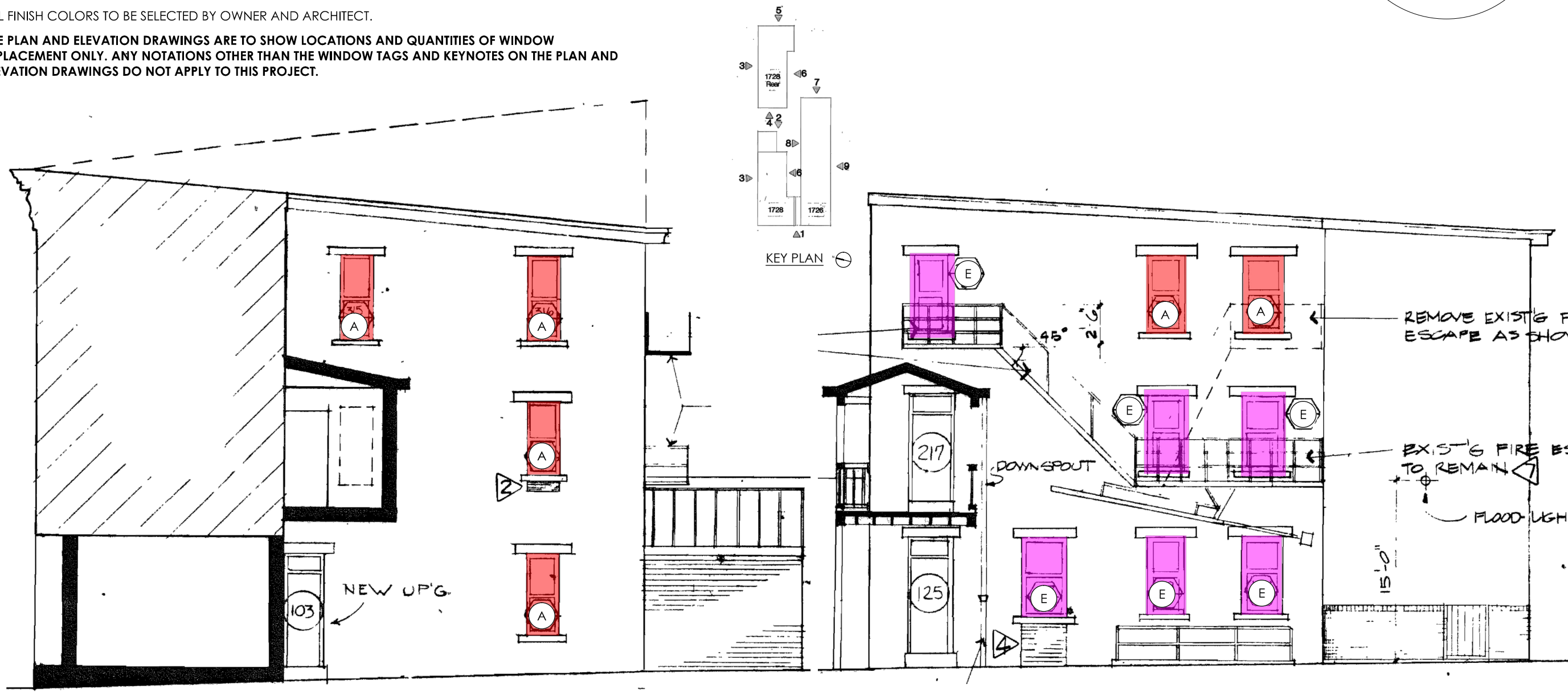
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**A4.4**  
1728 SOUTH ELEVATION  
DATE: BID SET - 12.22.2023

1  
A4.4  
1728 SOUTH ELEVATION  
1/8" = 1'-0"

6

WINDOW GENERAL NOTES

1. **CITY OF CINCINNATI HISTORIC DISTRICT REQUIREMENTS:** REPLACEMENT WINDOWS ARE REQUIRED TO MATCH THE ORIGINAL MATERIAL, SIZE, AND STYLE, AS CLOSELY AS POSSIBLE. THE WINDOW PRODUCTS INCLUDED IN THE WINDOW SCHEDULE HAVE PREVIOUSLY BEEN APPROVED BY THE CITY OF CINCINNATI AS HISTORICALLY COMPATIBLE REPLACEMENT WINDOWS. THE CONTRACTOR MAY PROPOSE ALTERNATE WINDOWS, SUBJECT TO APPROVAL BY OWNER, ARCHITECT, AND THE CITY ZONING DEPARTMENT.
2. **WINDOW ENERGY PERFORMANCE:**
  - NON-RATED WINDOWS: U-VALUE  $\leq$  0.30 REQUIRED. SHGC  $\leq$  0.30 PREFERRED.
  - FIRE-RATED WINDOWS: U-VALUE  $\leq$  0.40 REQUIRED. SHGC  $\leq$  0.30 PREFERRED.
  - GLAZING TO BE CLEAR, LOW-E GLASS.
3. **INTERIOR FINISHES AND TRIM:** IT IS ASSUMED THAT THE TYPICAL INTERIOR FINISH CONDITION IS GYPSUM BOARD RETURNS AT JAMBS AND HEAD, AND PAINTED WOOD STOOLS. THE INTERIOR FINISHES ARE TO REMAIN TO THE GREATEST EXTENT FEASIBLE, AND TO BE REPAIRED AND REPAINTED TO MATCH THE EXISTING CONDITION AFTER WINDOW INSTALLATION. SEE TYPICAL WINDOW DETAILS IN SHEET A5.2.
4. **WINDOW OPENING CONTROL DEVICES:** PER OBC 1015.8 & 1015.8.1, OPERABLE WINDOWS WHERE THE TOP OF THE SILL IS LOCATED LESS THAN 36" AFF, AND MORE THAN 72" ABOVE GRADE OR OTHER SURFACE ON THE EXTERIOR OF THE BUILDING, SHALL BE PROVIDED WITH WINDOW OPENING CONTROL DEVICES THAT COMPLY WITH ASTM F 2090. AFTER OPERATION TO RELEASE THE CONTROL DEVICE, THE WINDOW SHALL BE OPENABLE TO IT FULL OPEN POSITION. (VERIFY WINDOW SILL HEIGHTS IN FIELD.)
5. **WINDOW LOCK ACCESSIBILITY:** PROVIDE EXTENDED REACH RANGE LOCK AT ALL OPERABLE WINDOWS IN ACCESSIBLE DWELLING UNITS. COORDINATE WITH OWNER FOR LOCATIONS OF ACCESSIBLE UNITS.
6. REMOVE EXISTING STORM WINDOWS, SCREENS, AND WINDOW UNITS DOWN TO HISTORIC WINDOW WEIGHT BOXES OR BLOCKING (IF PRESENT). REFER TO TYPICAL WINDOW DETAILS.
7. PROVIDE CUSTOM SIZED WINDOWS TO FIT EXISTING OPENINGS. VERIFY WINDOW OPENING SIZES IN FIELD.
8. REMOVE EXISTING WINDOW BLINDS AS REQUIRED FOR NEW WORK. PROTECT AND REINSTALL AFTER REPLACEMENT OF WINDOWS. SEE "BID ALTERNATES" ON SHEET A0.0 FOR REPLACEMENT WINDOW BLINDS.
9. PROVIDE P.T. BLOCKING AS REQUIRED AT PERIMETER OF EXISTING OPENING.
10. PROVIDE A FULL HEIGHT INSECT SCREEN AT ALL OPERABLE WINDOWS.
11. PROVIDE CONCEALED JAMB LINERS TO MATCH WINDOW COLOR AT ALL REPLACEMENT WINDOWS.
12. WINDOW SASHES LOCATED WITH 3'-0" OF AN EXHAUST VENT SHALL BE FIXED IN PLACE.

**SAFETY GLAZING NOTES:**

SG SAFETY GLAZING REQUIRED (SEE FLOOR PLANS)

PROVIDE SAFETY GLAZING AT ALL NEW WINDOW LOCATIONS INDICATED IN DRAWINGS AND AS REQUIRED BY SECTION 2406.4 OBC, INCLUDING BUT NOT LIMITED TO LOCATIONS LISTED BELOW. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATIONS BASED ON REQUIREMENTS OF OBC. SAFETY GLAZING LOCATIONS INDICATED ON THE PLANS ARE FOR REFERENCE.

1. GLAZING W/ IN 24" OF EITHER VERTICAL EDGE OF DOOR IN CLOSED POSITION.
2. GLAZING WHERE BOTTOM EDGE OF PANEL IS LESS THAN 18" AFF.
3. GLAZING ADJACENT TO STAIR & RAMP LANDINGS, STAIRS, RAMPS, AND FIRE ESCAPE LANDINGS.
4. GLAZING ADJACENT TO BATHTUBS AND SHOWERS.



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**A5.0**  
WINDOW NOTES  
DATE: BID SET - 12.22.2023

**WINDOW SCHEDULE**

WINDOW No.	WINDOW TYPE	MATERIAL	MANUFACTURER/PRODUCT	NOTES
A	1/1 DOUBLE-HUNG	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD WIDE RAIL DH	CLEAR IG DUAL LOW-E 272 w/ARGON OR EQUIVALENT
			<b>TRIMLINE:</b> LEGENDS DHC300	CARDINAL LoE-270 OR EQUIVALENT
			<b>QUAKER:</b> BRIGHTON DOUBLE HUNG	EnergyPlus LoE-272 w/ARGON OR EQUIVALENT
			<b>WEATHERSHIELD:</b> SIGNATURE DOUBLE HUNG	3/4" Zo-e-shield 5 EXTREME OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE DOUBLE HUNG	UN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>PELLA:</b> ARCHITECT DOUBLE HUNG	ADVANCED LOW-E IG OR EQUIVALENT
			<b>MARVIN:</b> ULTIMATE DOUBLE HUNG G2	LOW E2 OR EQUIVALENT
		<b>ANDERSEN:</b> 400 SERIES WOODWRIGHT DOUBLE HUNG	LOW-E4 SMARTSUN OR EQUIVALENT	
		FIBERGLASS	<b>RENEWAL BY ANDERSEN:</b> DOUBLE HUNG	LOW-E4 SMARTSUN OR EQUIVALENT
		<b>GILKEY:</b> G-SERIES DOUBLE HUNG	LOW-E 270 OR EQUIVALENT	
B	(2) 1/1 DOUBLE-HUNG	ALUMINUM CLAD WOOD	SEE WINDOW TAG "A" MANUFACTURERS/PRODUCTS	FACTORY-MULLED WINDOW UNIT
C			NOT USED	
D (D.1 WHERE OCCURS IN UNOCCUPIED ATTICS)	DIRECT SET PICTURE	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD DIRECT SET	CLEAR IG LowE-366 LAMINATED w/ARGON OR EQUIVALENT
			<b>TRIMLINE:</b> LEGENDS DHC300	CARDINAL LoE-270 OR EQUIVALENT
			<b>QUAKER:</b> BRIGHTON PICTURE	Energy 3S LoE-366 w/ARGON OR EQUIVALENT
			<b>WEATHERSHIELD:</b> SIGNATURE DIRECT SET	3/4" Zo-e-shield 5 w/ARGON OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE PICTURE FIXED	UN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>PELLA:</b> ARCHITECT PICTURE	SUNDEFENSE LOW-E IG OR EQUIVALENT
			<b>MARVIN:</b> ULTIMATE PICTURE	LOW E2 OR EQUIVALENT
			<b>ANDERSEN:</b> 400 SERIES WOODWRIGHT PICTURE	LOW-E4 SMARTSUN OR EQUIVALENT
E	1/1 DOUBLE-HUNG AT FIRE ESCAPES	ALUMINUM CLAD WOOD	<b>THERMALLY BROKEN STEEL USA:</b> FIRE-RATED SINGLE-HUNG WINDOW	SELF-CLOSING, FIRE-RATED WINDOW
F	HISTORIC	STEEL	N/A	EXISTING WINDOW TO REMAIN. REMOVE RUST, RESEAL GLAZING AND ENSURE WINDOW IS WEATHER-TIGHT. REPAINT.
G G.1 WHERE OCCURS IN UNOCCUPIED ATTICS)	SLIDING	ALUMINUM CLAD WOOD	<b>LINCOLN:</b> CLAD GLIDER	CLEAR IG DUAL LowE OR LowE-366 w/ARGON OR EQUIVALENT
			<b>JELD WEN:</b> SITELINE SLIDING	SUN RESIST LOW-E INSULATING GLASS w/ HEATSAVE INTERIOR LOW-E COATING OR EQUIVALENT
			<b>ANDERSEN:</b> 400 SERIES GLIDING	LOW-E4 SMARTSUN OR EQUIVALENT

**WINDOW GENERAL NOTES**

- REFER TO WINDOW GENERAL NOTES ON SHEET A5.0 FOR HISTORIC AND ENERGY PERFORMANCE REQUIREMENTS.
- THE WINDOW MANUFACTURERS AND PRODUCTS LISTED IN THE WINDOW SCHEDULE ARE ACCEPTABLE WINDOW PRODUCTS. FOR BIDDING, THE CONTRACTOR SHALL SELECT THE MOST COST-EFFECTIVE PRODUCT FROM THE LIST OF ACCEPTABLE PRODUCTS. THE CONTRACTOR MAY ALSO PROPOSE AN ALTERNATIVE PRODUCT THAT IS NOT LISTED IF IT MEETS ALL SPECIFICATIONS AND REQUIREMENTS.

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**A5.1**  
WINDOW SCHEDULE  
DATE: BID SET - 12.22.2023

# WINDOW SPECIFICATIONS

## SECTION 085200 - WOOD WINDOWS PART 1 - GENERAL

### 1.1 SUMMARY

- A. Section includes:  
1. Aluminum-clad wood windows.

### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.
- C. Samples: For each exposed product and for each color specified.

### 1.3 INFORMATIONAL SUBMITTALS

- A. Product test reports.  
B. Sample warranties.

### 1.4 QUALITY ASSURANCE

- A. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
1. Build mockup of window installation at each type of historic window opening at locations as selected by Architect.
  2. Include brickmold, sealant, flashings, interior trim, and exposed brick cleaning, pointing, and repair.
  3. Mockup to be approved before beginning installation of other windows.
  4. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  5. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

### 1.5 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace wood windows that fail in materials or workmanship within specified warranty period.
1. Warranty Period:
    - a. Window: 10 years from date of Substantial Completion.
    - b. Glazing Units: 20 years from date of Substantial Completion.
    - c. Aluminum-Cladding Finish: 20 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 WINDOW PERFORMANCE REQUIREMENTS

- A. Product Standard: Comply with AAMA/WDMA/CSA 101/I.S.2/A440 for definitions and minimum standards of performance, materials, components, accessories, and fabrication unless more stringent requirements are indicated.
1. Window Certification: WDMA certified with label attached to each window
- B. Performance Class and Grade: AAMA/WDMA/CSA 101/I.S.2/A440 as follows:

1. Double Hung: LC-PG30-H
2. Double Hung (Insert Style): LC-PG30-H.
3. Fixed: LC-PG30-FW.
4. Fixed (Insert Style): LC-PG30-FW.

C. Thermal Transmittance: NFRC 100 maximum whole-window U-factor of 0.30 Btu/sq. ft. x h x deg F.

D. Solar Heat-Gain Coefficient (SHGC): NFRC 200 maximum whole-window SHGC of 0.31.

### 2.2 WOOD WINDOWS

A. Basis-of-Design Products: Subject to compliance with requirements, provide the following products by one of the manufacturers listed in the window schedule or a comparable substitution approved by Architect.

1. Double Hung.
2. Double Hung (Insert Style).
3. Fixed/Direct Set.
4. Slider.

B. Frames and Sashes: Fine-grained wood lumber complying with AAMA/WDMA/CSA 101/I.S.2/A440; kiln dried to a moisture content of not more than 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide; water-repellent preservative treated.

1. Aluminum Finish: Manufacturer's standard. Color: As selected by Architect from manufacturer's full range.
2. Wood Surfaces: Factory primed.
3. Insulating-Glass Units: ASTM E2190. Double insulated, low-e, clear glass unit, fully tempered where indicated on Drawings.
4. Limit Devices: Limit clear opening to 4 inches for ventilation; with custodial key release.
5. Weather Stripping: Provide full-perimeter weather stripping for each operable sash.
6. Extended Reach Range Kit for Accessible Units: Andersen Windows; Reach Range Lock Cover No. 9130384 or a comparable substitution subject to approval by Architect.

C. Exterior Finish: Aluminum-clad wood.

1. Aluminum Finish: Manufacturer's standard fluoropolymer two-coat system with fluoropolymer color topcoat containing not less than 70 percent PVDF resin by weight and complying with AAMA 2605.
  - a. Color: As selected by Architect from manufacturer's full range of standard and custom colors.
2. Interior Finish: Manufacturer's standard factory-prime coat and factory paint. Color TBD by architect.
  - a. Exposed Unfinished Wood Surfaces: Manufacturer's standard species.

D. Insulating-Glass Units: ASTM E 2190.

1. Product: Cardinal Glass; Dual LowE.
2. Unit Thickness: Window manufacturer's standard.
3. Glass: ASTM C 1036, Type 1, Class 1, q3.
  - a. Tint: Clear.
  - b. Kind: Fully tempered where indicated on Drawings.



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**A5.2**  
WOOD WINDOW SPECS.  
DATE: BID SET - 12.22.2023

## WINDOW SPECIFICATIONS (CONTINUED)

4. Lites: Two.
  5. Spacer: Manufacturer's standard.
  6. Filling: Fill space between glass lites with argon.
  7. Low-E Coating: Two layers sputtered on second surface.
- E. Glazing System: Manufacturer's standard factory-glazing system that produces weathertight seal.
- F. Hardware, General: Provide manufacturer's standard corrosion-resistant hardware sized to accommodate sash weight and dimensions.
1. Exposed Hardware Color and Finish: As selected by Architect from manufacturer's full range.
- G. Hung Window Hardware:
1. Jamblers: Extruded vinyl with a spring-loaded mechanical balancing system.
  2. Lock: Manufacturers' standard cam locks. Provide two locks on units 32 inches and wider.
  3. Tilt Latch: Spring loaded tilt latch is to engage and release the sash from the jamb liner, allowing the sash to be tilted in and removed for cleaning.
- H. Weather Stripping: Provide full-perimeter weather stripping for each operable sash unless otherwise indicated.
- I. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.
1. Exposed Fasteners: Do not use exposed fasteners to greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.
- J. Aluminum Sheet: ASTM B209, alloy as standard with manufacturer for finish required, with temper as required to suit forming operations and performance required; with smooth, flat surface.
1. Opening Flashings: Form head and sill flashing with 2-inch- high, end dams as applicable. Fabricate from the following materials:
  2. Aluminum: 0.032 inch thick.
  3. Exposed Coil-Coat Finish:
    - a. Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instruction.
    - b. Color: Match exterior of windows.
- K. Insect Screens:
1. General: Fabricate insect screens to integrate with window frame. Provide screen for each operable exterior sash. Screen wickets are not permitted.
    - a. Type and Location: Half height, outside for double-hung sashes.
  2. Aluminum Frames: Complying with SMA 1004 or SMA 1201.
    - a. Finish for Exterior Screens: Matching color and finish of cladding.
  3. Glass-Fiber Mesh Fabric: 18-by-14 or 18-by-16 mesh of PVC-coated, glass-fiber threads; woven and fused to form a fabric mesh resistant to corrosion, shrinkage, stretch, impact damage, and weather deterioration. Comply with ASTM D 3656/D 3656M.
    - a. Mesh Color: Manufacturer's standard.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E 2112.
- B. Install windows level, plumb, square, true to line, without distortion, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.
- C. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.
- D. Install insect screens at end of construction, at a time determined by Owner.
- E. Clean exposed surfaces immediately after installing windows. Remove excess sealants, glazing materials, dirt, and other substances.
- F. Remove and replace sashes if glass has been broken, chipped, cracked, abraded, or damaged during construction period.

END OF SECTION 085200

## GYP SUM BOARD REPAIR SPECIFICATIONS

### SECTION 092900 - GYPSUM BOARD

#### 1.1 INTERIOR GYPSUM BOARD

- A. Manufacturers: Subject to compliance with requirements, provide the products listed in Part 2 by one of the following:
  1. CertainTeed Corp.
  2. Georgia-Pacific Gypsum LLC.
  3. Lafarge North America Inc.
  4. National Gypsum Company.
  5. Temple-Inland.
  6. USG Corporation.
- B. Gypsum Wallboard: ASTM C 1396/C 1396M.
  1. Product:
    - a. CertainTeed Corp.: ProRoc Regular
    - b. Georgia-Pacific Gypsum LLC; ToughRock.
    - c. Continental; Regular Drywall.
    - d. National Gypsum Company; Gold Bond BRAND
    - e. USG Corporation; SHEETROCK Brand.
  2. Thickness: 1/2 inch / 5/8 inch (match existing).

#### 1.2 TRIM ACCESSORIES

- A. Interior Trim: ASTM C 1047.
  1. Material: Galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized steel sheet.
  2. Shapes: Cornerbead.

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**A5.3**  
WOOD WINDOW SPECS.  
DATE: BID SET - 12.22.2023



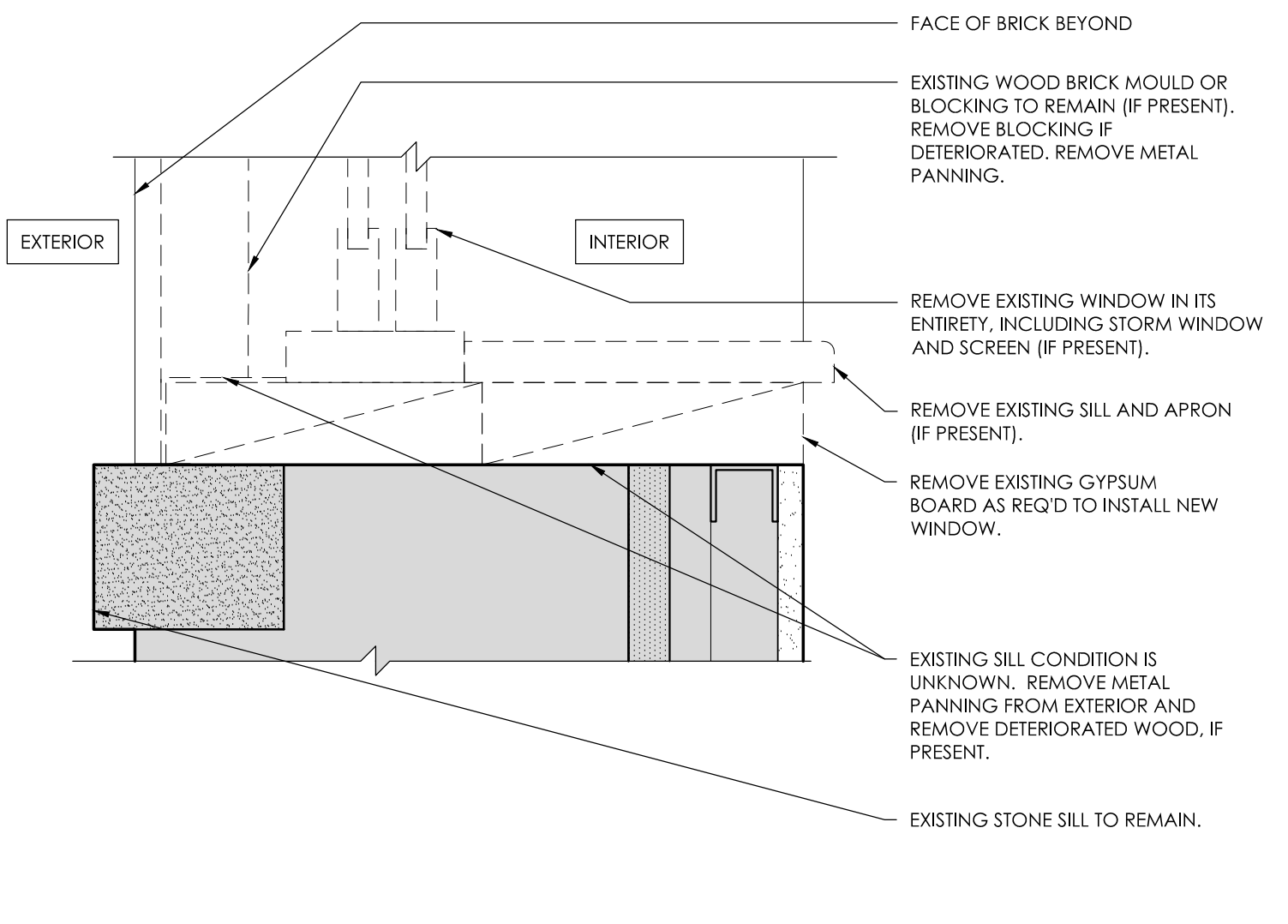
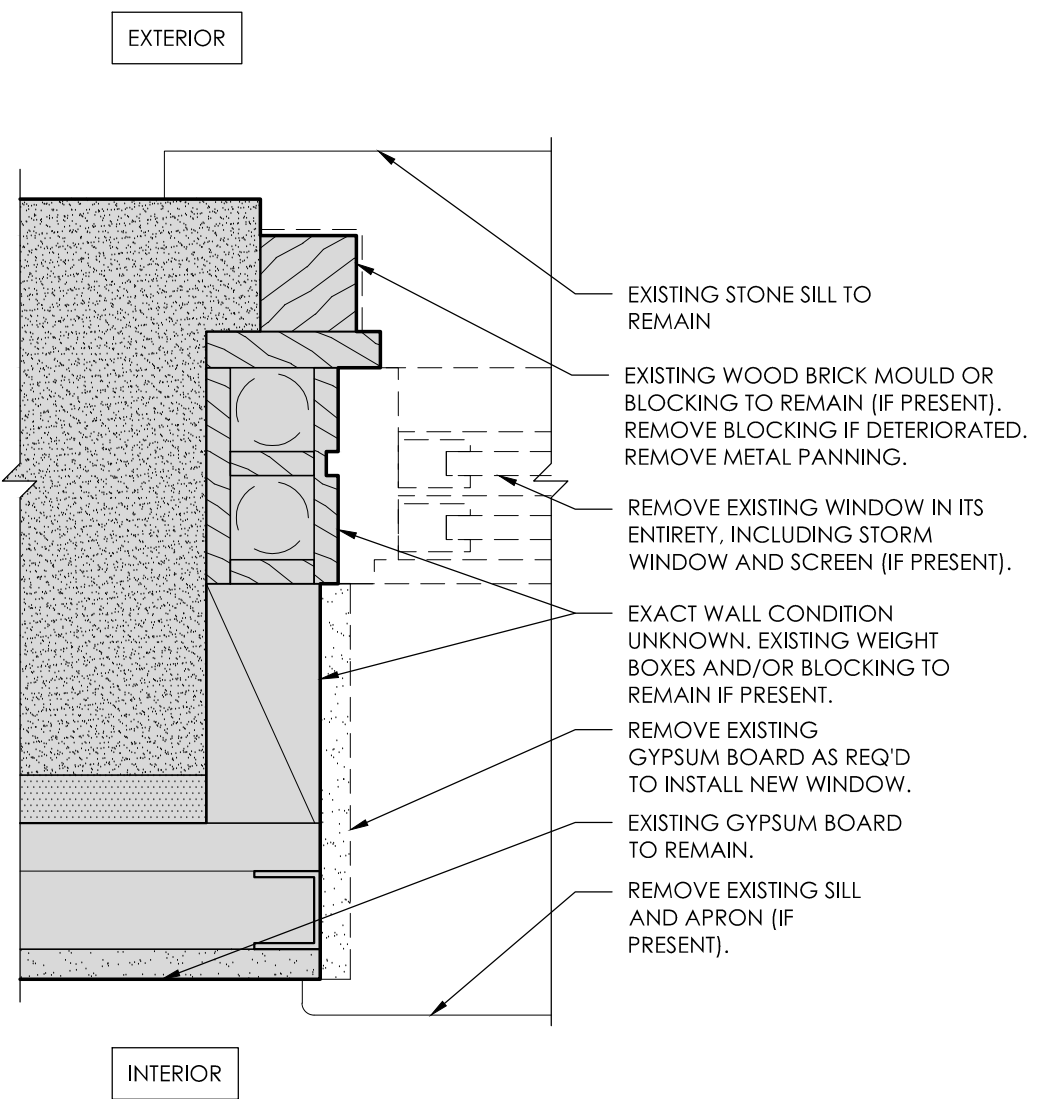
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**TYPICAL WINDOW DETAIL NOTES:**

1. TYPICAL WINDOW DETAILS ARE PROVIDED FOR REFERENCE AND REPRESENT THE ASSUMED TYPICAL CONDITION OF MOST WINDOWS. THE CONTRACTOR MUST ASSUME THAT THE HEAD, JAMB, AND SILL CONDITIONS OF THE EXISTING ROUGH OPENINGS WILL VARY, AND THE EXISTING INTERIOR AND EXTERIOR TRIM AND FINISHES WILL ALSO VARY.
2. THE DESIGN INTENT IS TO PROVIDE A WEATHERTIGHT WINDOW WITH FLASHING AS SHOWN IN THE DETAILS, WITH NEW ALUMINUM TRIM ON THE EXTERIOR WITH SIMILAR SIGHT LINE DIMENSIONS AS THE EXISTING WINDOWS AND TO REPAIR/REPLACE THE INTERIOR FINISHES TO MATCH THE EXISTING TYPICAL INTERIOR FINISHES AND WINDOW STOOLS.
3. THE CONTRACTOR MAY ADD P.T. WOOD BLOCKING NOT SHOWN IN THE DETAILS AS REQUIRED TO INSTALL THE WINDOWS - COORDINATE WITH ARCHITECT PRIOR TO PROCEEDING WITH DEVIATIONS FROM THESE DETAILS.

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Housing Authority

**DEMOLITION  
TYP. HUNG WINDOW JAMB DTL**

**DEMOLITION  
TYP. HUNG WINDOW SILL DTL**

1  
A5.4  
3" = 1'-0"

2  
A5.4  
3" = 1'-0"

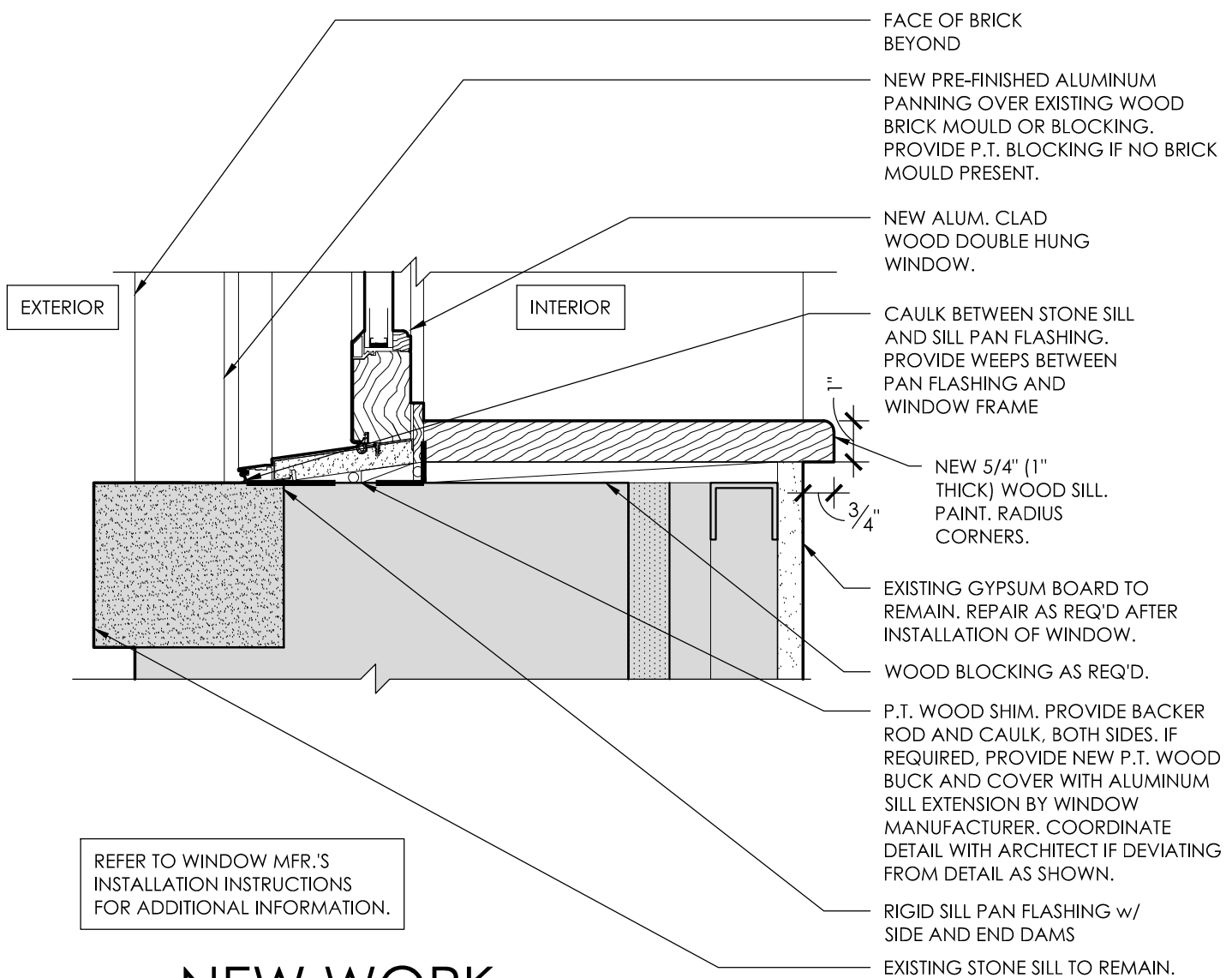
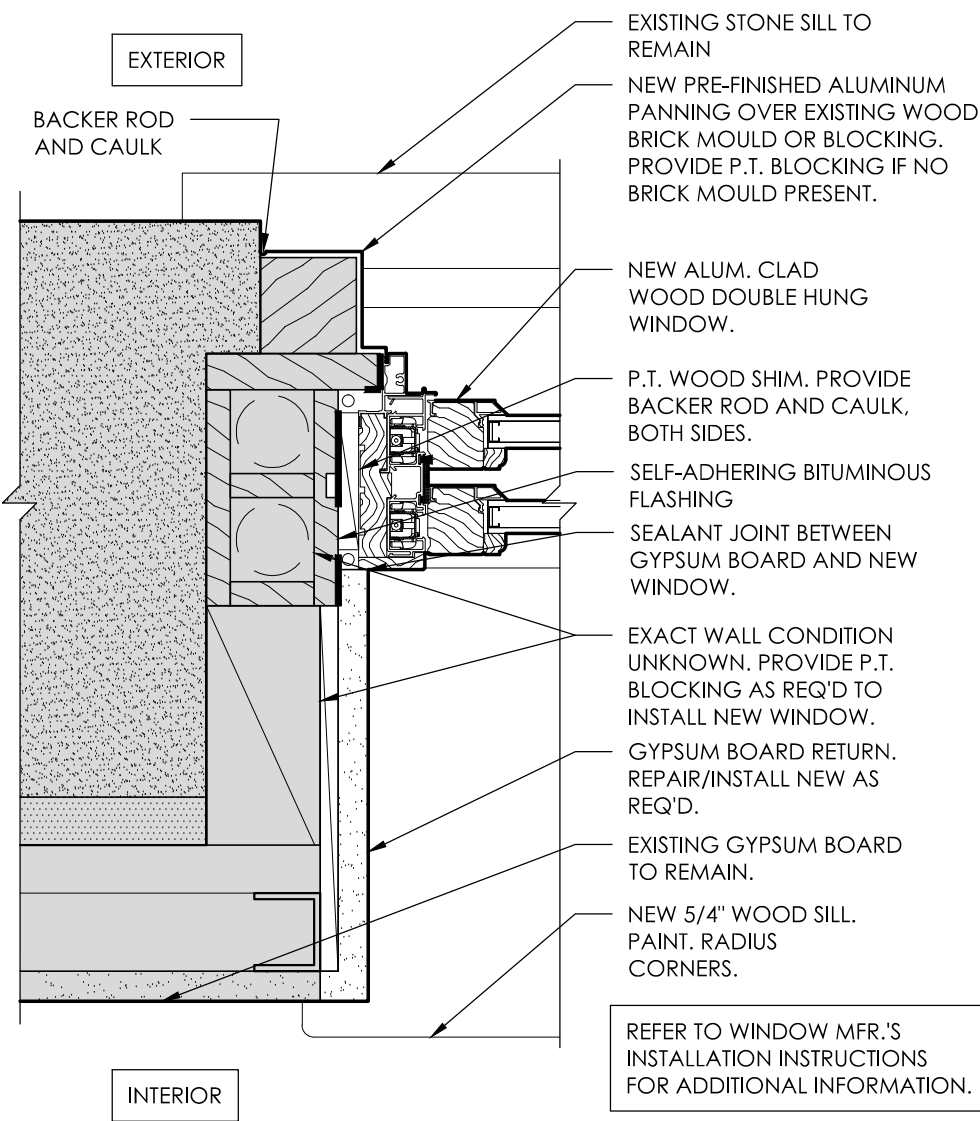
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**A5.4**  
TYP. WINDOW DETAILS  
DATE: BID SET - 12.22.2023

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**TYPICAL WINDOW DETAIL NOTES:**

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1  
A5.5  
3" = 1'-0"

**NEW WORK  
TYP. HUNG WINDOW JAMB DTL**

2  
A5.5  
3" = 1'-0"

**NEW WORK  
TYP. HUNG WINDOW SILL DTL**