



CONSTRUCTION ADDENDUM: #01

3/21/2025

PROJECT NAME: Brittany Park Window Replacement

PROJECT MANAGER: Don Hatfield

PHONE NUMBER: 206-574-1213

EMAIL ADDRESS: DonaldH@kcha.org

This Addendum is used to Identify Items in the Original Documents with Action as Follows:

☒ **CLARIFY** ☒ **CHANGE** ☐ **DELETE**
☒ **ADD** ☒ **ALTERNATE**

Page(s) Total for this Addenda including this page 11

1. **Change:** Change Bid opening to April 3, 2025. Bids due by 1:00 PM.
2. **Change:** Extend last questions to March 27, 2025 due 4:30 PM.
3. **Change:** Change vertical blinds to horizontal blinds. The eight-foot (8') windows will have three (3) separate blinds with one (1) continuous valance. See the Specifications attached.
4. **Change:** See Addendum #1, March 13, and March 17, 2025, for aluminum window specifications changes.
5. **Alternate:** See Addendum #1, March 13, and March 17, 2025, Alternate for Fiberglass windows.
6. **Add:** Fill out Alternate Bid #01 sheet, including Labor, Materials, O&P, including all applicable Fees. Print the dollar amount, round to the nearest dollar, no cents.
7. **Clarify:** **All removal and installation of windows will be performed by a Glazier**
Refer to Non-Routine Maintenance Rates included in bid book.
8. **Add:** See Specification Section 085413 for Fiberglass Windows
9. **Add:** See Specification Section 122116 for Window Blinds

END OF CONSTRUCTION ADDENDUM 01

KCHA Brittany Park Window Replacement

ALTERNATE #01 New fiberglass windows. This unit value shall include full compensation for furnishing, placing, removing, legal disposal, installing, all labor and necessary equipment related to this item.		
A.	Materials , including all applicable Taxes	\$
B.	Labor	\$
C.	O & P , including all applicable Fees	\$
TOTAL BID AMOUNT: (all costs inclusive – A, B, and C)		
		And No/100 Dollars
Enter Written Total Bid Amount above. NOTE: PRINT dollar amount, round to nearest dollar, no cents.		

KCHA reserves the right to Select or to Reject any and all Alternates.

ADDENDUM #1

Date: March 13, 2025

This addendum forms a part of the Contract Documents and modifies the Contract Documents dated [Dec 13, 2024]. Where a portion of the Documents are modified or deleted by these addenda, the unaltered portions of the Documents shall remain as indicated.

CHANGES AND CLARIFICATIONS TO THE PROJECT MANUAL:

(Modifications to the project manual in **this typeface**.)

1. **Table of Contents:**
 - a. **Revise Table of Contents to add Section 08 54 13 – Fiberglass Windows.**
2. **Section 01 23 00 Alternates**
 - a. **Add Alternate No. 1 description:**

"Provide fiberglass windows as specified in Section 08 54 13 in lieu of aluminum windows specified in Section 08 51 13. All performance, finish, and warranty requirements shall match or exceed base bid specifications."
3. **Section 08 51 13 Aluminum Windows:**
 - a. **Modify Part 1 – General, Related Requirements to include:**

"See Section 01 23 00 – Alternates for Alternate No. 1 regarding the substitution of aluminum windows with fiberglass windows."
 - b. **Modify Paragraph 2.03 – Performance Requirements, Item G.**

"Overall Thermal Transmittance (U-value): .30, maximum at operable windows. .28 maximum at fixed windows. Includes glazing, measured on window sizes required for this project."
 - c. **Modify Paragraph 2.04 – Components, Item A.**

"Glazing: Provide manufacturer's low-E coated, sealed insulating glazing with argon, Suncoat Max coating and foam spacer, based on Milgard Window System. Provide material that complies with ASTM E-774-92 Class A."
 - d. **Modify Paragraph 2.04 – Components, Item A – 1.**

"Dual glazed with argon filled cavity; at least three-quarter (7/8 inch overall thickness)."
4. **Section 08 51 13 Fiberglass Windows:**
 - a. **Add Section 08 54 13 – Fiberglass Windows in its entirety.**

This section provides the requirements for fiberglass windows as part of Alternate No. 1, replacing aluminum windows where applicable.

END OF SECTION

ADDENDUM #1

Date: March 17, 2025

This addendum forms a part of the Contract Documents and modifies the Contract Documents dated [Dec 13, 2024]. Where a portion of the Documents are modified or deleted by these addenda, the unaltered portions of the Documents shall remain as indicated.

CHANGES AND CLARIFICATIONS TO THE PROJECT MANUAL:

(Modifications to the project manual in **this typeface**.)

1. **Table of Contents:**
 - a. **Revise Table of Contents to add Section 08 54 13 – Fiberglass Windows.**
2. **Section 01 23 00 Alternates**
 - a. **Add Alternate No. 1 description:**

"Provide fiberglass windows as specified in Section 08 54 13 in lieu of aluminum windows specified in Section 08 51 13. All performance, finish, and warranty requirements shall match or exceed base bid specifications."
3. **Section 08 51 13 Aluminum Windows:**
 - a. **Modify Part 1 – Paragraph 1.07 – Warranty, Item B.**

"Manufacturer Warranty: Provide 10-year manufacturer warranty against failure of glass seal on insulating glass units, including interpane dusting or misting. Include provision for replacement of failed units. Complete forms in Owner's name and register with manufacturer."
 - b. **Modify Part 2 – Paragraph 2.03 – Performance Requirements, Item B.**

"Windows shall conform to all ANSI/AAMA 101-05, HS-R20 requirements."
 - c. **Modify Part 2 – Paragraph 2.03 – Performance Requirements, Item G.**

"Overall Thermal Transmittance (U-value): .36, maximum at operable windows. .31 maximum at fixed windows. Includes glazing, measured on window sizes required for this project."
 - d. **Modify Part 2 – Paragraph 2.04 – Components, Item A.**

"Glazing: Provide manufacturer's low-E coated, sealed insulating glazing with argon, Suncoat Max coating and foam spacer, based on Milgard Window System. Provide material that complies with ASTM E-774-92 Class A."
 - e. **Modify Part 2 – Paragraph 2.06 – Components, Item A.**

"Class II Natural Anodized Finish: AAMA 611 AA-M12C22A31, clear anodic coating not less than 0.4 mil thick."
4. **Section 08 51 13 Fiberglass Windows:**
 - a. **Add Section 08 54 13 – Fiberglass Windows in its entirety.**

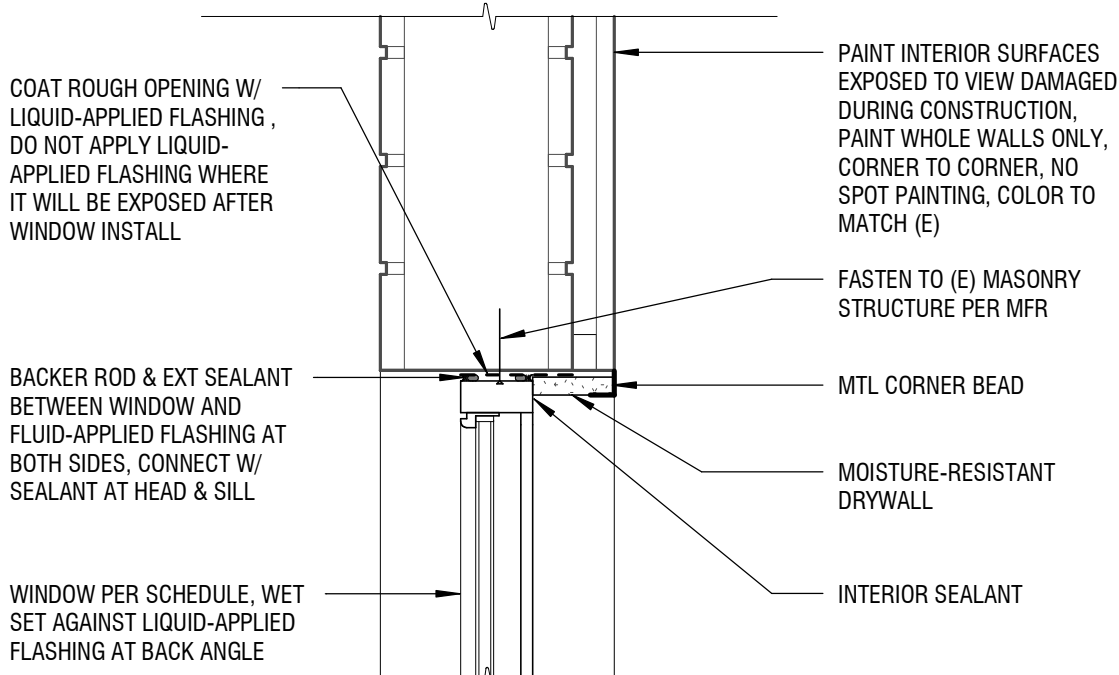
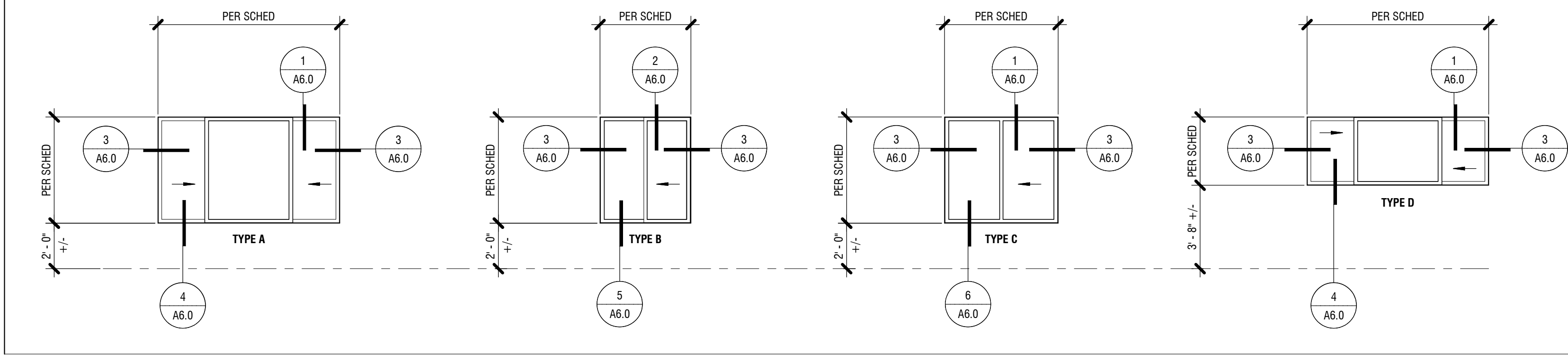
This section provides the requirements for fiberglass windows as part of Alternate No. 1, replacing aluminum windows where applicable.

CHANGES AND CLARIFICATIONS TO THE PROJECT DRAWINGS:

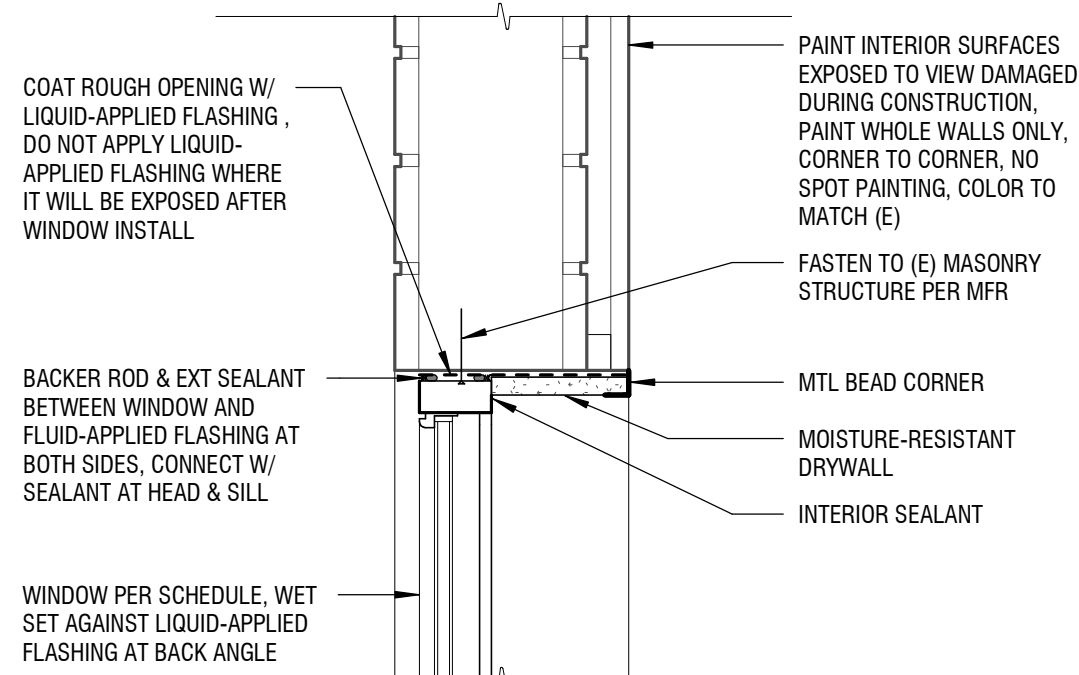
- a.* **Modify the** drawing Window Schedule per the attached revised drawing sheet A6.0 dated December 13, 2024.

END OF SECTION

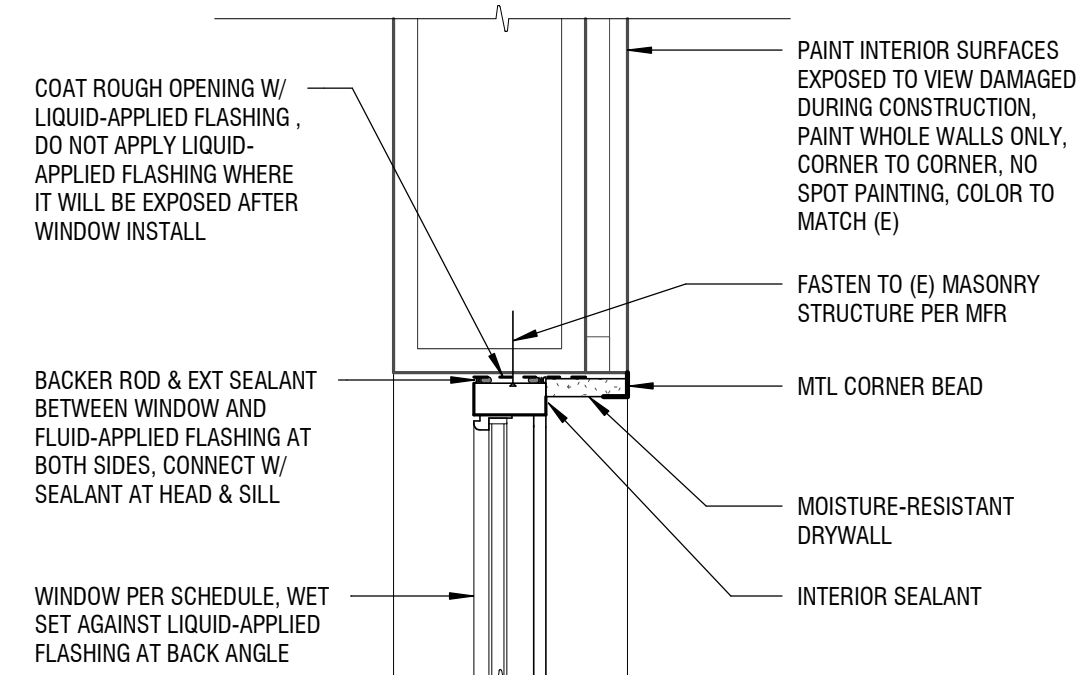
WINDOW LEGEND



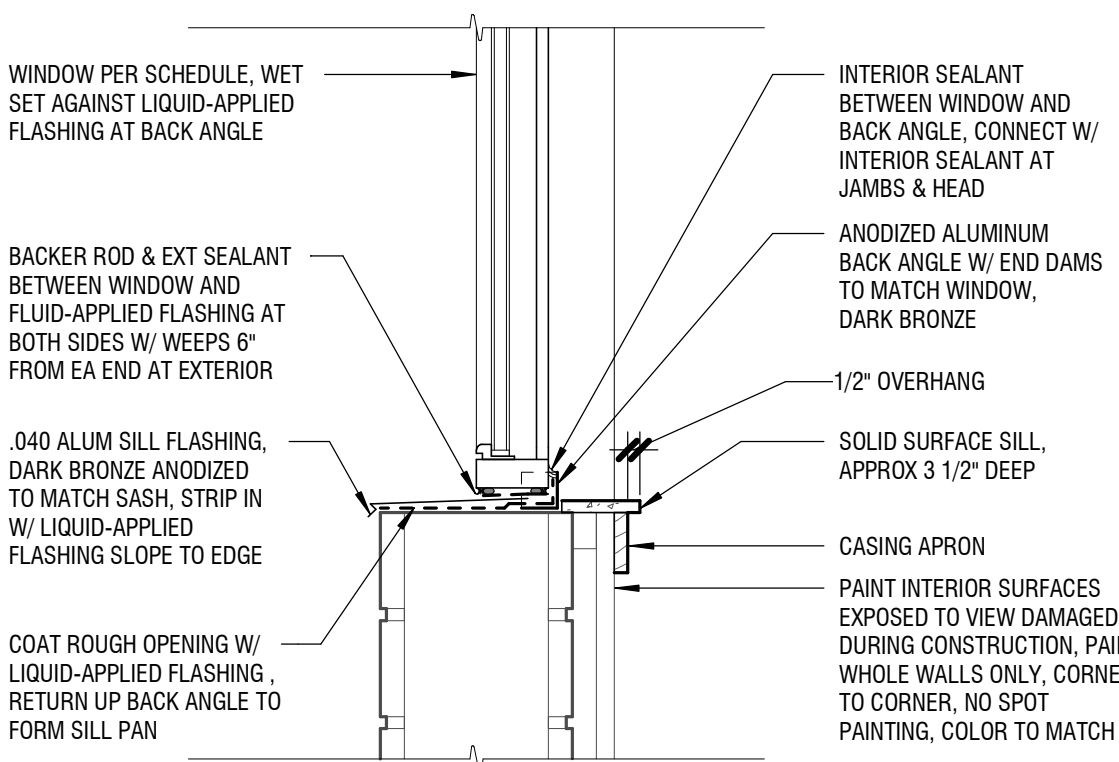
1 TYPE A, C & D WINDOW HEAD
1 1/2" = 1'-0"



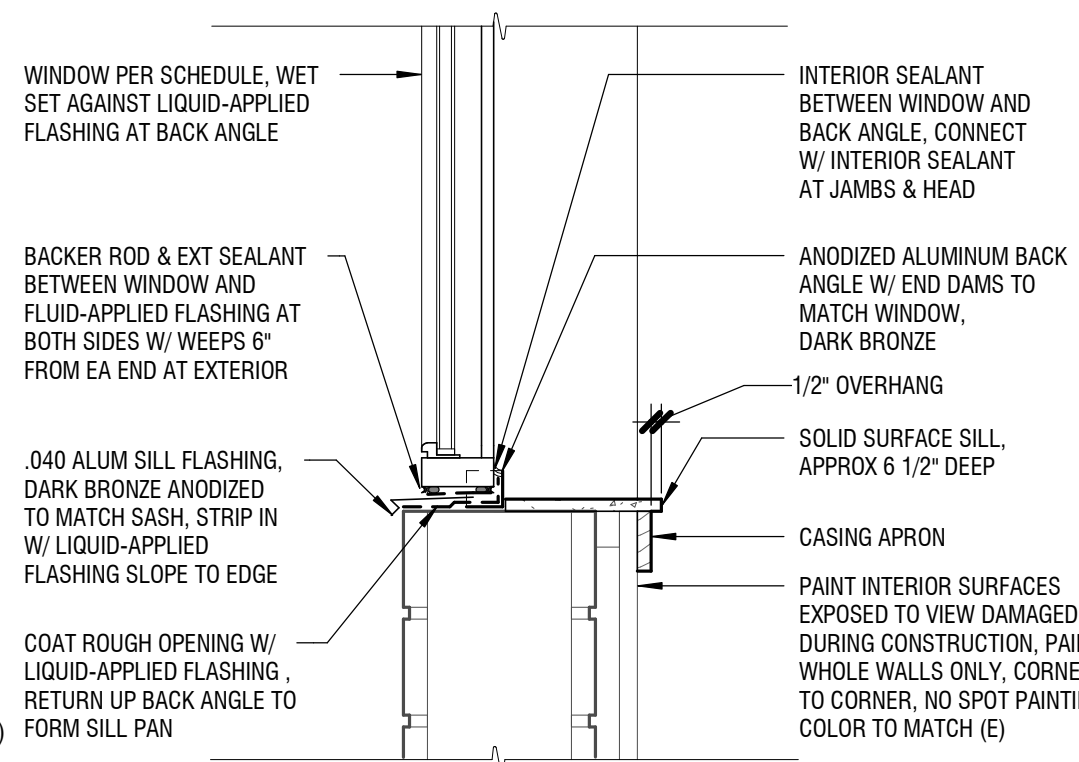
2 TYPE B WINDOW HEAD
1 1/2" = 1'-0"



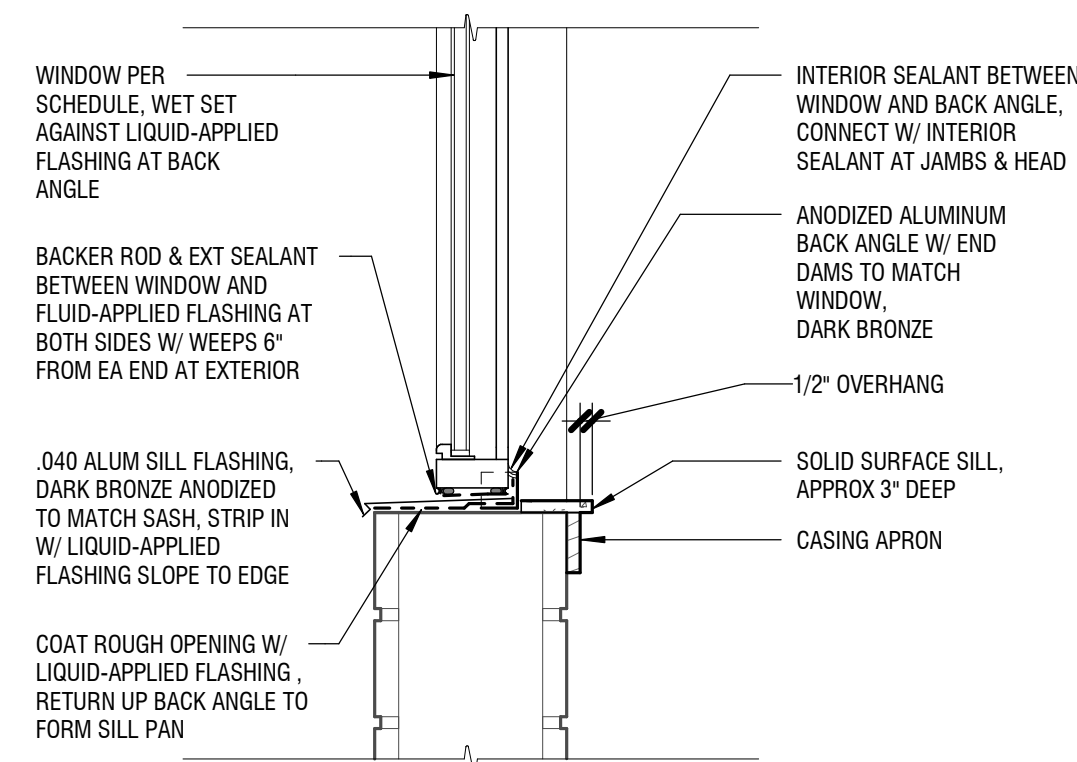
3 WINDOW JAMB
1 1/2" = 1'-0"



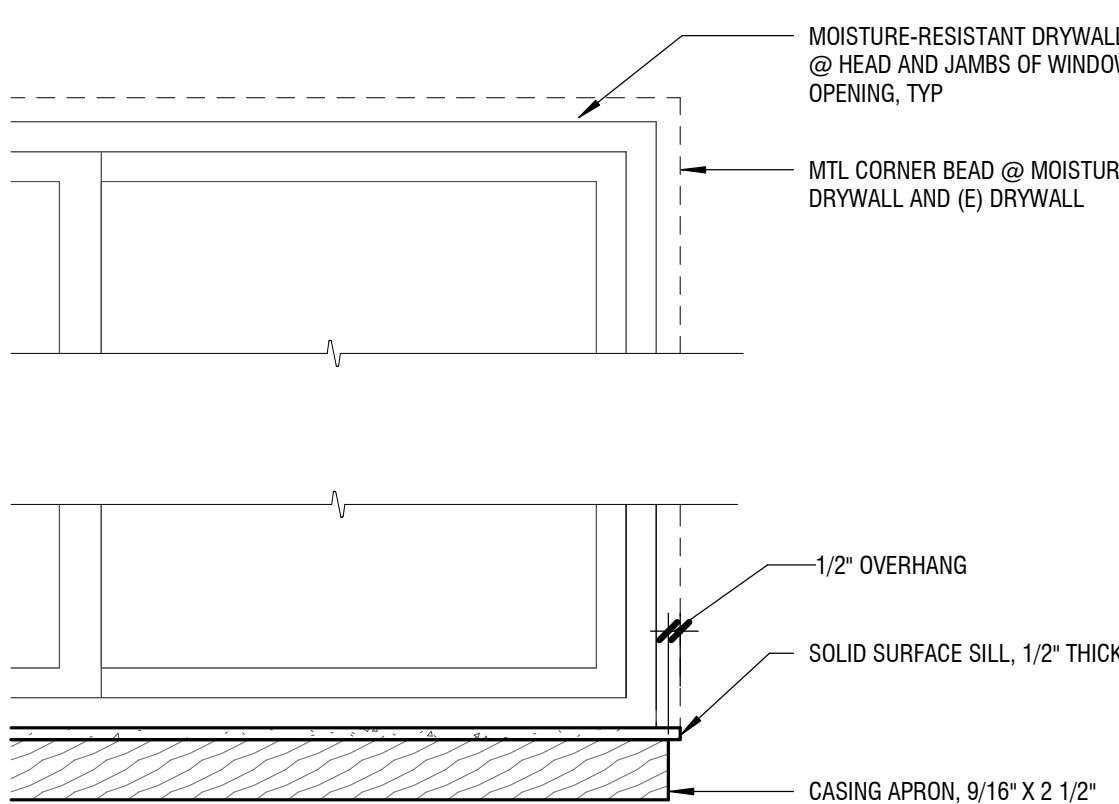
4 TYPE A & D SILL DETAIL
1 1/2" = 1'-0"



5 TYPE B SILL DETAIL
1 1/2" = 1'-0"



6 TYPE C SILL DETAIL
1 1/2" = 1'-0"



7 TYP CASING ELEVATION
1 1/2" = 1'-0"

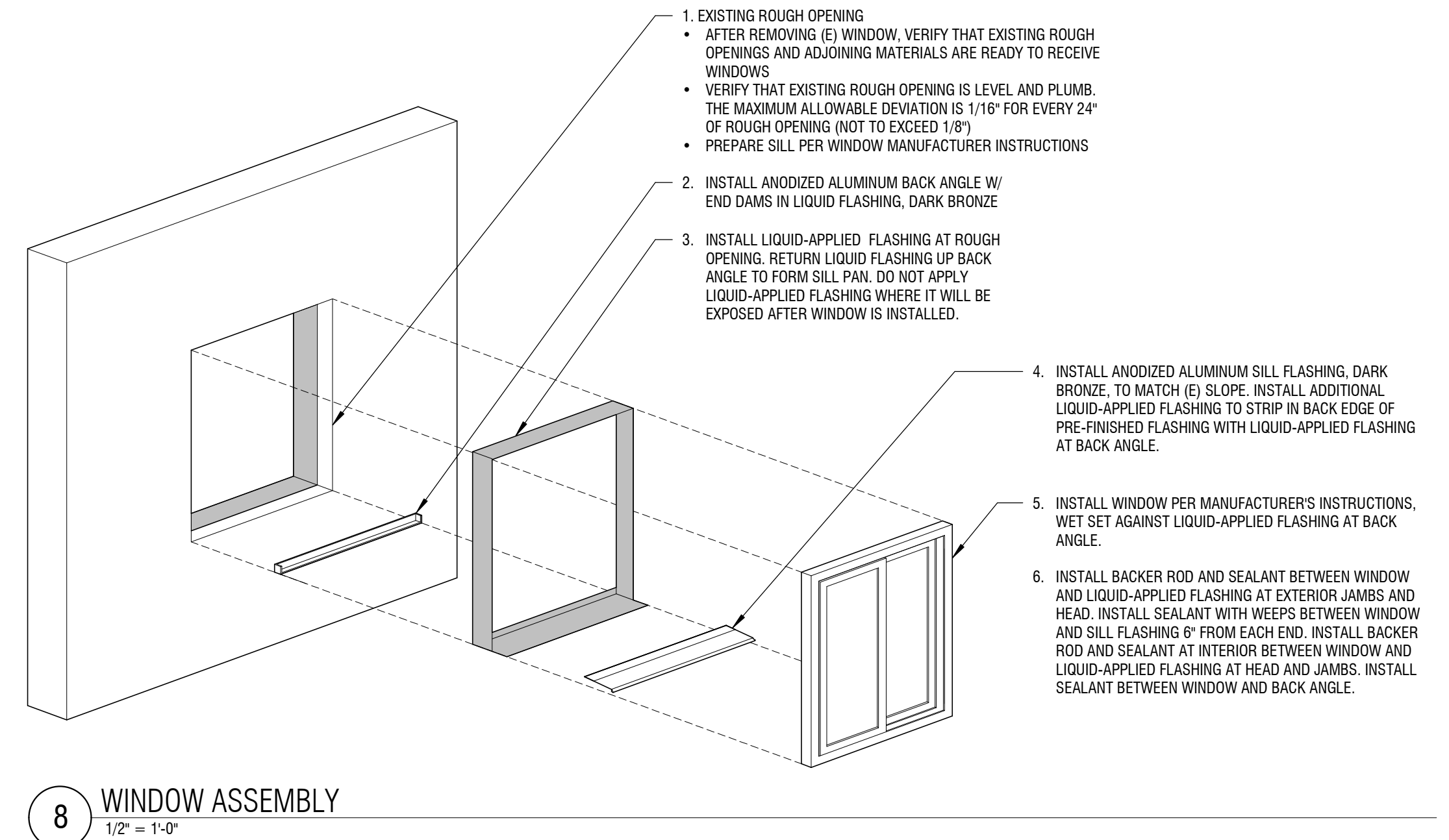
WINDOW SCHEDULE

MARK	TYPE	WIDTH	HEIGHT	ALUM WINDOW U-VALUE (MAX)	(ALT 1) FIBERGLASS WINDOW U-VALUE (MAX)	STC RATING (MIN)	COMMENTS
E201	A	8'-0"	4'-8"	0.36	0.28	32	
E202	B	4'-0"	4'-8"	0.36	0.28	32	
E203	B	4'-0"	4'-8"	0.36	0.28	32	
E204	A	8'-0"	4'-8"	0.36	0.28	32	
E205	C	5'-0"	4'-6"	0.36	0.28	32	INTERIOR TILE SILL, DETAIL SIM TO S/A
E301	A	8'-0"	4'-8"	0.36	0.28	32	
E302	B	4'-0"	4'-8"	0.36	0.28	32	
E303	B	4'-0"	4'-8"	0.36	0.28	32	
E304	A	8'-0"	4'-8"	0.36	0.28	32	
E305	C	5'-0"	4'-6"	0.36	0.28	32	
N101	A	8'-0"	4'-8"	0.36	0.28	32	
N102	B	4'-0"	4'-8"	0.36	0.28	32	
N103	A	8'-0"	4'-8"	0.36	0.28	32	
N104	B	4'-0"	4'-8"	0.36	0.28	32	
N105	B	4'-0"	4'-8"	0.36	0.28	32	
N106	A	8'-0"	4'-8"	0.36	0.28	32	
N107	B	4'-0"	4'-8"	0.36	0.28	32	
N108	B	4'-0"	4'-8"	0.36	0.28	32	
N109	A	8'-0"	4'-8"	0.36	0.28	32	
N110	A	8'-0"	4'-8"	0.36	0.28	32	
N111	B	4'-0"	4'-8"	0.36	0.28	32	
N112	B	4'-0"	4'-8"	0.36	0.28	32	
N113	A	8'-0"	4'-8"	0.36	0.28	32	
N201	A	8'-0"	4'-8"	0.36	0.28	32	
N202	B	4'-0"	4'-8"	0.36	0.28	32	
N203	A	8'-0"	4'-8"	0.36	0.28	32	
N204	B	4'-0"	4'-8"	0.36	0.28	32	
N205	B	4'-0"	4'-8"	0.36	0.28	32	
N206	A	8'-0"	4'-8"	0.36	0.28	32	
N207	A	8'-0"	4'-8"	0.36	0.28	32	
N208	B	4'-0"	4'-8"	0.36	0.28	32	
N209	B	4'-0"	4'-8"	0.36	0.28	32	
N210	A	8'-0"	4'-8"	0.36	0.28	32	
N211	A	8'-0"	4'-8"	0.36	0.28	32	
N212	B	4'-0"	4'-8"	0.36	0.28	32	
N213	B	4'-0"	4'-8"	0.36	0.28	32	
N214	A	8'-0"	4'-8"	0.36	0.28	32	
N301	A	8'-0"	4'-8"	0.36	0.28	32	
N302	B	4'-0"	4'-8"	0.36	0.28	32	
N303	A	8'-0"	4'-8"	0.36	0.28	32	
N304	B	4'-0"	4'-8"	0.36	0.28	32	
N305	B	4'-0"	4'-8"	0.36	0.28	32	
N306	A	8'-0"	4'-8"	0.36	0.28	32	
N307	A	8'-0"	4'-8"	0.36	0.28	32	
N308	B	4'-0"	4'-8"	0.36	0.28	32	
N309	B	4'-0"	4'-8"	0.36	0.28	32	
N310	A	8'-0"	4'-8"	0.36	0.28	32	
N311	A	8'-0"	4'-8"	0.36	0.28	32	

- WINDOW NOTES:**
1. VERIFY EXISTING OPERABLE DIRECTIONS AND PROVIDE REPLACEMENT WINDOWS TO MATCH.
 2. DIMENSIONS SHOW ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING OPENING DIMENSIONS AFTER OPENING MODIFICATIONS.
 3. GLAZING SHALL BE LABELED AND NFRC CERTIFIED PER MFR, AND HAVE A U-VALUE, SHGC, AND STC RATING PER THE SCHEDULE.
 4. ALL GLAZING WITHIN 18" OF INTERIOR FLOOR, EXTERIOR WALKING SURFACE, OR WITHIN 24" OF A DOOR IN ANY POSITION TO BE SAFETY/TEMPERED GLASS PER CODE.
 5. PROVIDE CONTINUOUS AIR SEAL AT ALL WINDOWS.
 6. AT OPERABLE WINDOWS, OPERABLE SASH TO MATCH EXISTING WINDOW.
 7. PROVIDE WINDOW OPENING CONTROL DEVICE WHERE WINDOW SILL IS LESS THAN 36" ABOVE THE FINISHED FLOOR AND MORE THAN 72" ABOVE FINISHED GRADE AT THE BUILDING EXTERIOR.
 8. SCREENS TO BE PROVIDED WITH ALL OPERABLE WINDOWS.
 9. VERTICAL LOUVER BLINDS TO BE PROVIDED AT ALL WINDOWS.

WINDOW SCHEDULE

MARK	TYPE	WIDTH	HEIGHT	ALUM WINDOW U-VALUE (MAX)	(ALT 1) FIBERGLASS WINDOW U-VALUE (MAX)	STC RATING (MIN)	COMMENTS
N312	B	4'-0"	4'-8"	0.36	0.28	32	
N313	B	4'-0"	4'-8"	0.36	0.28	32	
N314	A	8'-0"	4'-8"	0.36	0.28	32	
S101	A	8'-0"	4'-8"	0.36	0.28	32	
S102	B	4'-0"	4'-8"	0.36	0.28	32	
S103	B	4'-0"	4'-8"	0.36	0.28	32	
S104	A	8'-0"	4'-8"	0.36	0.28	32	
S105	A	8'-0"	4'-8"	0.36	0.28	32	
S106	B	4'-0"	4'-8"	0.36	0.28	32	
S107	A	8'-0"	4'-8"	0.36	0.28	32	
S108	B	4'-0"	4'-8"	0.36	0.28	32	
S201	A	8'-0"	4'-8"	0.36	0.28	32	
S202	B	4'-0"	4'-8"	0.36	0.28	32	
S203	B	4'-0"	4'-8"	0.36	0.28	32	
S204	A	8'-0"	4'-8"	0.36	0.28	32	
S205	A	8'-0"	4'-8"	0.36	0.28	32	
S206	B	4'-0"	4'-8"	0.36	0.28	32	
S207	A	8'-0"	4'-8"	0.36	0.28	32	
S208	B	4'-0"	4'-8"	0.36	0.28	32	
S209	D	8'-0"	3'-0"	0.30	0.28	32	
S210	B	4'-0"	4'-8"	0.36	0.28	32	
S211	A	8'-0"	4'-8"	0.36	0.28	32	
S301	A	8'-0"	4'-8"	0.36	0.28	32	
S302	B	4'-0"	4'-8"	0.36	0.28	32	
S303	B	4'-0"	4'-8"	0.36	0.28	32	
S304	A	8'-0"	4'-8"	0.36	0.28	32	
S305	A	8'-0"	4'-8"	0.36	0.28	32	
S306	B	4'-0"	4'-8"	0.36	0.28	32	
S307	A	8'-0"	4'-8"	0.36	0.28	32	
S308	B	4'-0"	4'-8"	0.36	0.28	32	
S309	B	4'-0"	4'-8"	0.36	0.28	32	
S310	A	8'-0"	4'-8"	0.36	0.28	32	
S311	B	4'-0"	4'-8"	0.36	0.28	32	
S312	A	8'-0"	4'-8"	0.36	0.28	32	
W101	C	5'-0"	4'-6"	0.36	0.28	32	
W102	B	4'-0"	4'-8"	0.36	0.28	32	
W103	B	4'-0"	4'-8"	0.36	0.28	32	
W201	C	5'-0"	4'-6"	0.36	0.28	32	
W202	A	8'-0"	4'-8"	0.36	0.28	32	
W203	B	4'-0"	4'-8"	0.36	0.28	32	
W204	B	4'-0"	4'-8"	0.36	0.28	32	
W205	A	8'-0"	4'-8"	0.36	0.28	32	
W301	C	5'-0"	4'-6"	0.36	0.28	32	
W302	A	8'-0"	4'-8"	0.36	0.28	32	
W303	B	4'-0"	4'-8"	0.36	0.28	32	
W304	B	4'-0"	4'-8"	0.36	0.28	32	
W305	A	8'-0"	4'-8"	0.36	0.28	32	



8 WINDOW ASSEMBLY
1/2" = 1'-0"

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Horizontal louver blinds at windows,
 - 2. Operating hardware.

1.2 SUBMITTALS

- A. Submit in accordance with Section 013300 Submittal Procedures
- B. Submit:
 - 1. Product Data:
 - a. Description and specifications for components, features and assembly.
 - b. Opening size limitations, method of attachment and operation specific to work of this Section.
 - c. Backing requirements and method of attachment.
 - 2. Manufacturer's Instructions:
 - a. Installation requirements, tolerances and clearances required for installation.
 - b. Installation for different openings and mounting substrates.
 - 3. Samples:
 - a. One (1) sixteen (16") inch wide fully functional vertical headrail.
 - b. Manufacturer's complete color selection on actual material.
 - c. Manufacturer's color selection for exposed metal components.

1.3 QUALITY ASSURANCE

- A. Installer:
 - 1. Specializing in fabricating and installing work of this Section.
 - 2. Able to document minimum three (3) years' experience for projects of equivalent or greater scope and quality.
 - 3. Authorized as qualified to perform work of this Section by manufacturer.
- B. Field Verify: Opening sizes, method of attachment, operation, and interface with adjacent construction, tolerances, and clearances required for installation prior to fabrication.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in manufacturer's protective packaging with manufacturer's product identification clearly labeled.
- B. Store materials in dry area maintained at building's operating temperature and humidity.

1.5 PROJECT CONDITIONS

- A. Building: Fully enclosed, with wet and dust-creating work complete and dry, environmental controls in place, maintaining temperatures between 60 and 90 degrees F, and relative humidity maintained at maximum eight (80%) percent.

1.6 WARRANTY

- A. Manufacturer:
 - 1. Standard Lifetime Warranty for headrail including operating components.
 - 2. Standard three (3) year Warranty for fabrics.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Horizontal louver blinds:
 - 1. Hunter Douglas
 - 2. Levolor Contract
 - 3. Or accepted equal

2.2 HORIZONTAL LOUVER BLINDS

- A. Blinds: Horizontal slat louvers hung from full-width headrail; manual control of raising and lowering by cordless lift spring motor; blade angle adjustable by control wand; complying with WCMA A100.1.
- B. Slats: Crowned PVC 24.5-25mm wide x .38-.42 mm thick. Meets requirement of NFPA 701 test method 1
 - 1. Color: White
- C. Slat Support: Braided polyester cord in ladder configuration with two rungs per ladder.
- D. Head Rail: Pre-finished, formed aluminum or steel box with end caps; internally fitted with hardware, pulleys and bearings for operation; same depth as width of slats.
- E. Control Wand: Extruded hollow plastic; hexagonal shape.
- F. Headrail Attachment: Wall brackets.
- G. Accessory Hardware: Type recommended by blind manufacturer.

2.3 FABRICATION

- A. Fabricate blinds to fill each opening completely from jamb to jamb and from head to sill.
- B. Determine sizes by field measurement.
- C. Locate blind divisions at mullions and perimeter framed openings.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Conform to manufacturer's installation instructions and provisions of Contract Documents.
- B. Install with sufficient brackets to prevent deflection of headrail.
- C. Located and adjust to be plumb, level.
- D. Allow for necessary clearances for operating hardware.

3.2 ADJUSTING

- A. Adjust blinds for smooth operation.
- B. Replace defective and damaged units.

3.3 CLEANING

- A. Vacuum blinds to remove dust. Remove soiling and staining using a mild detergent in conformance to manufacturer's instructions.
- B. Leave installation area clean and free of debris and residue resulting from this Section.

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Factory fabricated fiberglass windows with fixed and operating sash.
- B. Operating hardware.
- C. Insect screens.

1.02 REFERENCE STANDARDS

- A. AAMA/WDMA/CSA 101/I.S.2/A440 - North American Fenestration Standard/Specification for Windows, Doors, and Skylights; 2017.
- B. AAMA 502 - Voluntary Specification for Field Testing of Newly Installed Fenestration Products; 2021.
- C. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.
- D. ASHRAE Std 90.1 I-P - Energy Standard for Buildings Except Low-Rise Residential Buildings; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- E. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009 (Reapproved 2016).
- F. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.
- G. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2023).
- H. ASTM E783 - Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors; 2002 (Reapproved 2018).
- I. ASTM E1105 - Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference; 2015 (Reapproved 2023).
- J. ASTM E1332 - Standard Classification for Rating Outdoor-Indoor Sound Attenuation; 2022.
- K. FS L-S-125 - Screening, Insect, Nonmetallic; 1972b, with Notice (1987).

1.03 SUBMITTALS

- A. Product Data: Provide component dimensions, anchors, fasteners, and glass.
- B. Shop Drawings: Indicate opening dimensions, framed opening tolerances, affected related work, installation requirements.
- C. Test Reports: Prior to submitting shop drawings or starting fabrication, submit test report(s) by independent testing agency showing compliance with performance requirements in excess of those prescribed by specified grade.
- D. Manufacturer's Installation Instructions: Include complete preparation, installation, and cleaning requirements.
- E. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

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

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

1.06 WARRANTY

- A. Correct defective Work within a 1 year period after Date of Substantial Completion.
- B. Provide 10 year manufacturer warranty for insulated glass units from seal failure, interpane dusting or misting, and replacement of same. Include coverage for degradation of color finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Fiberglass Windows:
 - 1. Milgard; C650 Ultra Series Windows: www.milgard.com/windows/C650/horizontal-slider.
 - 2. Or approved equal.

2.02 WINDOW UNITS

- A. Basis of Design: Milgard Windows Series C650 Ultra Series Windows
- B. Fiberglass Windows: Hollow, tubular, multi-layer fiber reinforced material; factory fabricated; with vision glass, related flashings, anchorage and attachment devices.
 - 1. Configuration: As indicated on drawings.
 - 2. Color: Bark.

2.03 PERFORMANCE REQUIREMENTS

- A. Comply with Washington State Energy Code
- B. Grade: AAMA/WDMA/CSA 101/IS.2/A440 requirements for specific window type:
- C. Overall Thermal Transmittance (U-value): .28, maximum at operable windows. .26 maximum at fixed windows. Includes glazing, measured on window sizes required for this project.
- D. Fenestration Assembly Thermal Transmittance (U-value): Comply with ASHRAE Std 90.1 I-P for building envelope requirements for applicable climate zone.
- E. Water Leakage: No uncontrolled leakage on interior face when tested in accordance with ASTM E331 at differential pressure of 12.11 pounds per square foot.
- F. Air Leakage: 0.3 cfm/sq ft maximum leakage when tested at 1.57 psf pressure difference in accordance with ASTM E283/E283M.
- G. Acoustic Performance: Minimum outdoor-indoor transmission class (OITC) rating of 34, when tested in accordance with ASTM E90 and ASTM E1332.

2.04 COMPONENTS

- A. Glazing: Provide manufacturer's low-E coated, sealed insulation glazing with argon, Suncoat Max coating and Foam spacer, based on Milgard Window System. Provide material that complies with ASTM E-774-92 Class A.
 - 1. Dual glazed with argon filled cavity; at least three-quarter (7/8 inch overall thickness).
- B. Insect Screen Frame: Rolled aluminum frame of rectangular sections; fit with adjustable hardware; nominal size similar to operable glazed unit.
 - 1. Hardware: Spring loaded aluminum pins; four per screen unit.
- C. Insect Screens: FS L-S-125 woven plastic mesh; 14/18 mesh size.
 - 1. Color: Same as frame and sash..
- D. Operable Sash Weather Stripping: Wool pile; permanently resilient, profiled to effect weather seal.
- E. Fasteners: Stainless steel.

2.05 HARDWARE

- A. Horizontal Sliding Sash: Extruded PVC interfacing tracks, limit stops in head and sill track.
 - 1. Sash Lock: Cam lock and keeper.

- B. Window Opening Control Devices (WOCD): Provide operable window sash hardware that limits openings to only allow passage of 4 inch diameter rigid sphere or less, and are easily releasable to fully open without use of keys, tools, or special knowledge.
- C. Finish For Exposed Hardware: Match window finish.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install windows in accordance with manufacturer's instructions.
- B. Attach window frame and shims to perimeter opening to accommodate construction tolerances and other irregularities.
- C. Align window plumb and level, free of warp or twist. Maintain dimensional tolerances and alignment with adjacent work.
- D. Set sill members and sill flashing in continuous bead of sealant.
- E. Install operating hardware.

3.02 TOLERANCES

- A. Maximum Variation from Level or Plumb: 0.06 inches every 3 ft non-cumulative or 0.5 inches per 100 ft, whichever is less.

3.03 FIELD QUALITY CONTROL

- A. Provide services of fiberglass window manufacturer's field representative to observe for proper installation of system and submit report.

3.04 ADJUSTING

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

3.05 CLEANING

- A. Remove protective material from pre-finished surfaces.
- B. Wash surfaces by method recommended and acceptable to window manufacturer; rinse and wipe surfaces clean.
- C. Remove excess glazing sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer.

END OF SECTION