



Leon County

Board of County Commissioners

301 South Monroe Street, Tallahassee, Florida 32301
(850) 606-5302 www.leoncountyfl.gov

Commissioners

November 8, 2013

BILL PROCTOR
District 1

RE: Bid Title: Sheriff's Office Envelope Repairs
Bid No: BC-11-05-13-10

JANE G. SAULS
District 2

Opening Date: November 12, 2013 at 2:00 PM

JOHN DAILEY
District 3

ADDENDUM #2

BRYAN DESLOGE
District 4

Dear Vendor: This letter serves as Addendum #2 for the above referenced project.
The following shall be added to the bid specifications:

KRISTIN DOZIER
District 5

**Completion of the project is extended from sixty (60) days to ninety (90) days.
Permit fees will be paid by Leon County.**

MARY ANN LINDLEY
At-Large

Acknowledgment of this addendum is required as part of your bid submittal.
Failure to acknowledge this addendum may result in rejection of your bid.
Should you have any questions, feel free to call me at (850) 606-1600.

NICK MADDOX
At-Large

Sincerely,

VINCENT S. LONG
County Administrator

A handwritten signature in black ink that reads "Jay Kirkland".

HERBERT W.A. THIELE
County Attorney

Jay Kirkland
Purchasing Agent

Attachment

ADDENDUM NO. 2

100% Construction Documents

November 7, 2013

Project:
Leon County Sheriff's Office
Envelope Repairs
AL+W Project No. 11196.5

Issued by:
Architects: Lewis + Whitlock, P.A.
206 W. Virginia Street
Tallahassee, FL 32301
ph: 850.942.1718
fax: 850.942.2110

Distribution to:
Jeff Williams, Leon County
Rosenbaum Engineering

This Addendum forms a part of the **100% Construction Documents** - General Construction and modifies the original Specifications and Drawings dated September 23, 2013. Please attach this addendum inside the front cover of the bound specifications and attached new drawings as required in the drawing set. This Addendum consists of **2 pages with 4 attachments**.

SPECIFICATIONS:

2-1 Table of Contents

Replace specification table of contents in accordance with attached supplemental revised table of contents.

2-2 Section – 012300 - Alternates

Add section 012300 Alternates in accordance with attached supplemental pages. (Provide alternate for laminated glass at all locations).

2-3 Section – 088000 - Glazing

Replace section 088000 Glazing in accordance with attached revised section 088000. (Provide alternate for laminated glass at all locations).

DRAWINGS:

Architectural

2-4 Drawing A2.1– Storefront Elevations and Details

Delete and Replace sheet A2.1 in its entirety with replacement sheet A2.1

- a. **Revise** drawing 2/A2.1 (Provide dam at sill flashing) in accordance with revised sheet A2.1.
- b. **Revise** drawing 4/A2.1 (Provide dam at sill flashing) in accordance with revised sheet A2.1.
- c. **Revise** drawing 5/A2.1 (Provide dam at sill flashing, alum. flashing and membrane at jamb) in accordance with revised sheet A2.1.
- d. **Revise** drawing 6/A2.1 (Provide dam at sill flashing) in accordance with revised sheet A2.1.

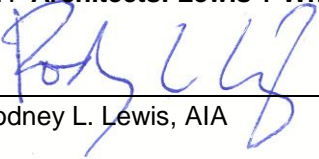
Addendum No. 2
Leon County Sheriff's Office
Envelope Repairs
November 7, 2013
Page 2 of 2

Attachments:

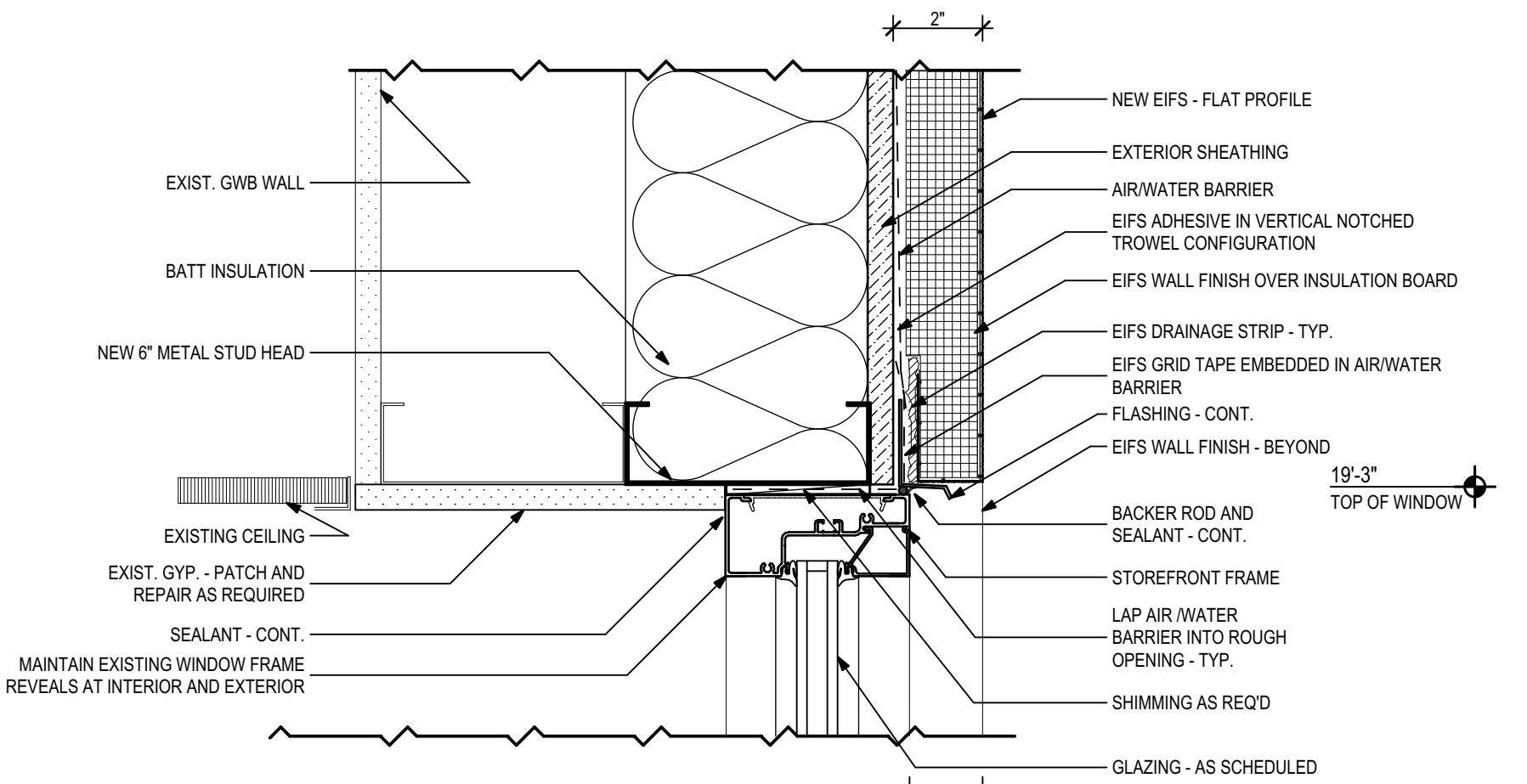
Supplemental Drawings: A2.1 - **Full Size 24x36**

Specifications: Sections – Table of Contents (1 page), 088000 (8 pages), 012300 (2 pages)

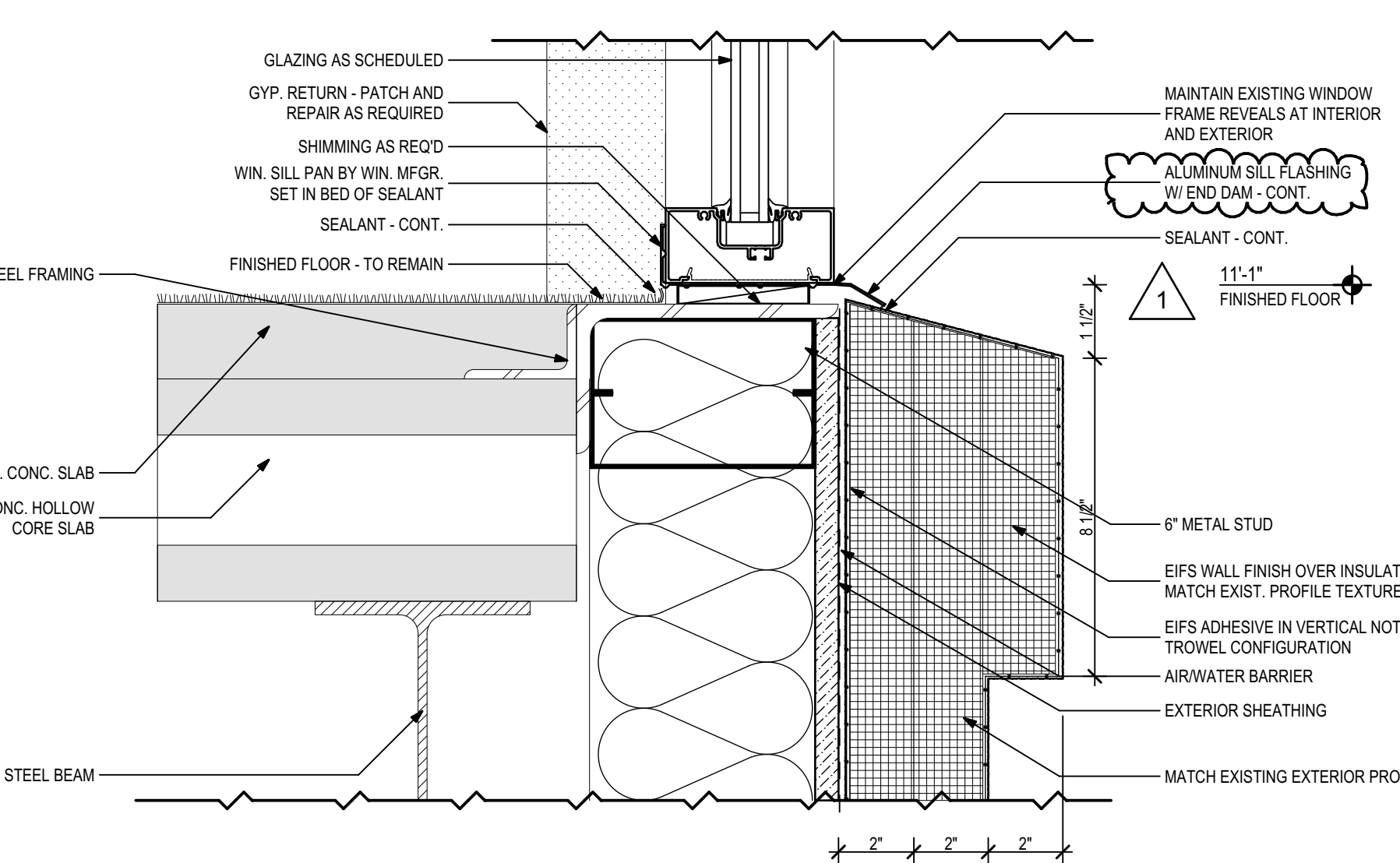
BY: **Architects: Lewis + Whitlock, PA**



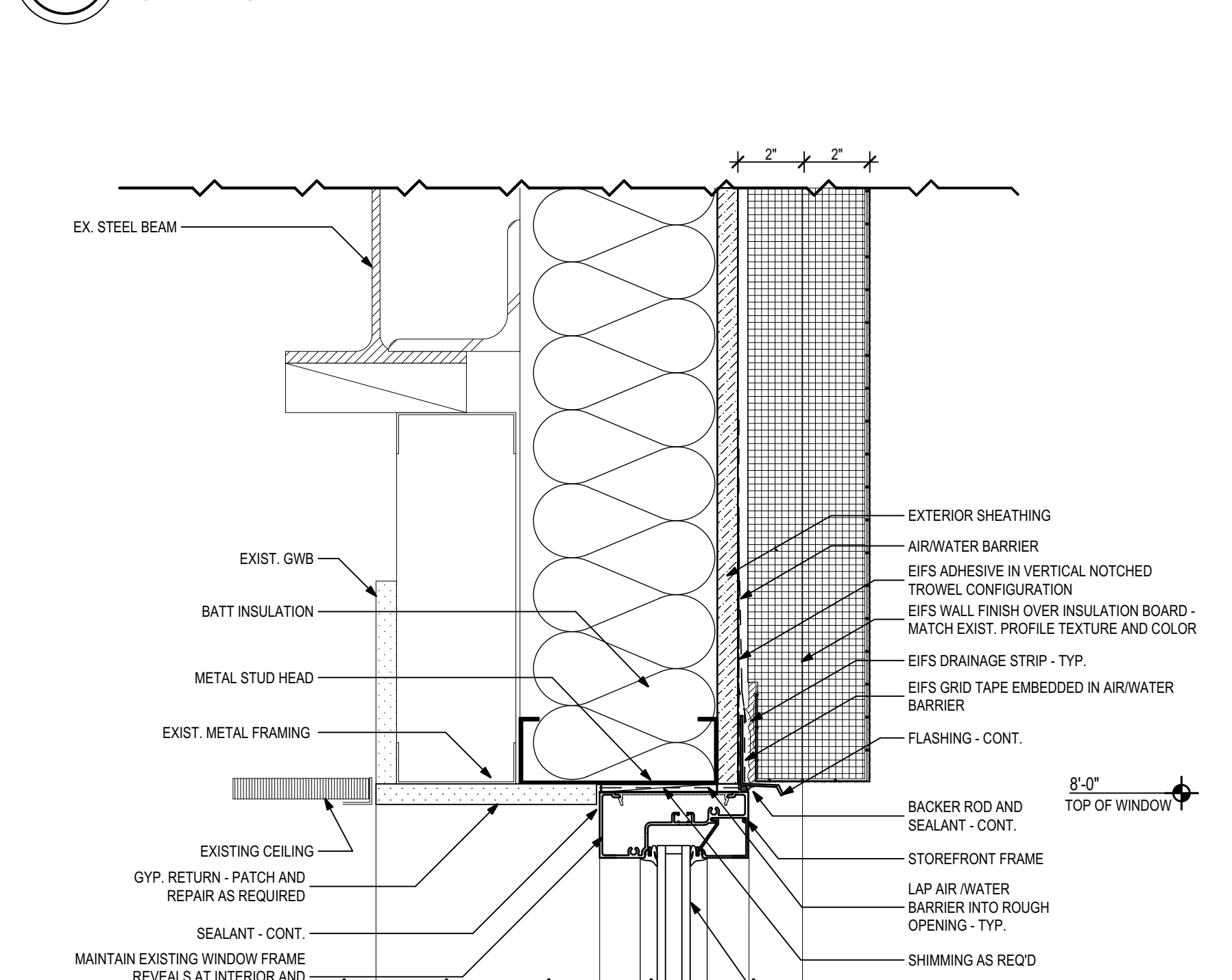
Rodney L. Lewis, AIA



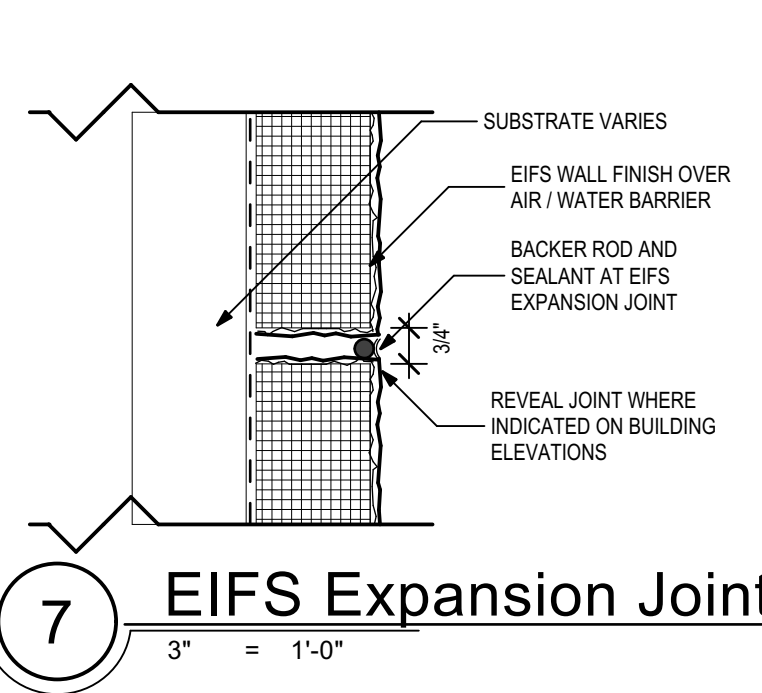
1 SF Second Floor Head Detail
3" = 1'-0"



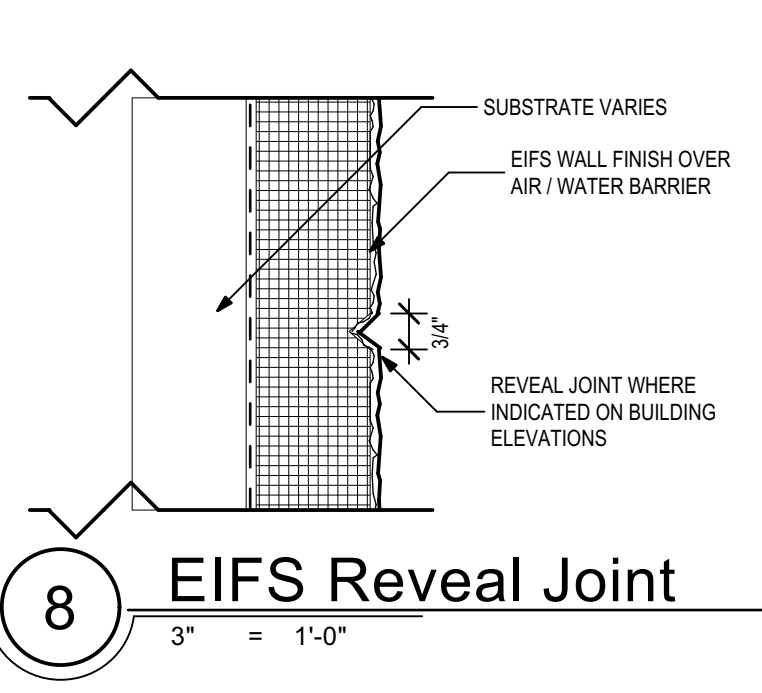
2 SF Second Floor Sill Detail
3" = 1'-0"



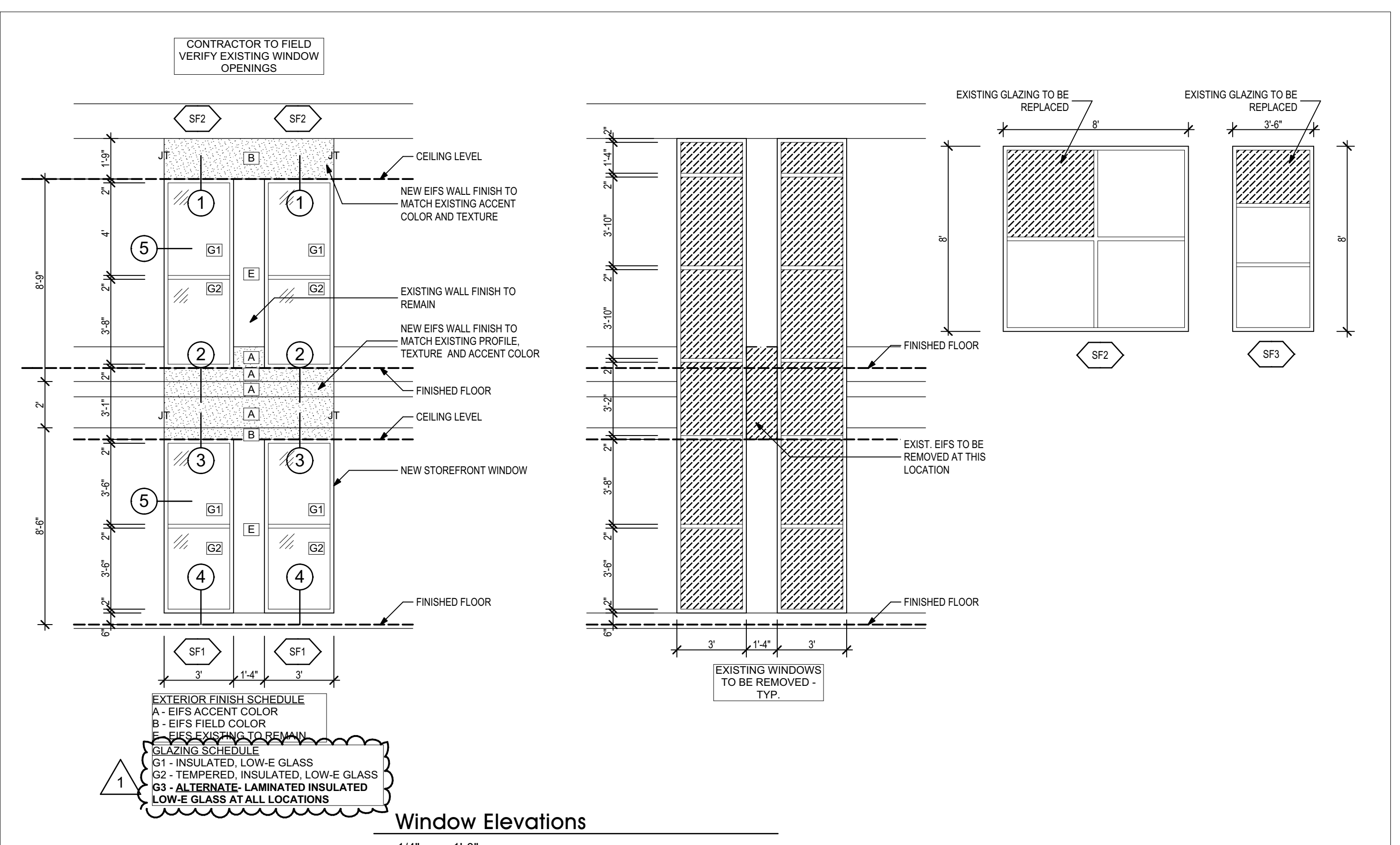
3 SF Ground Floor Head Detail
3" = 1'-0"



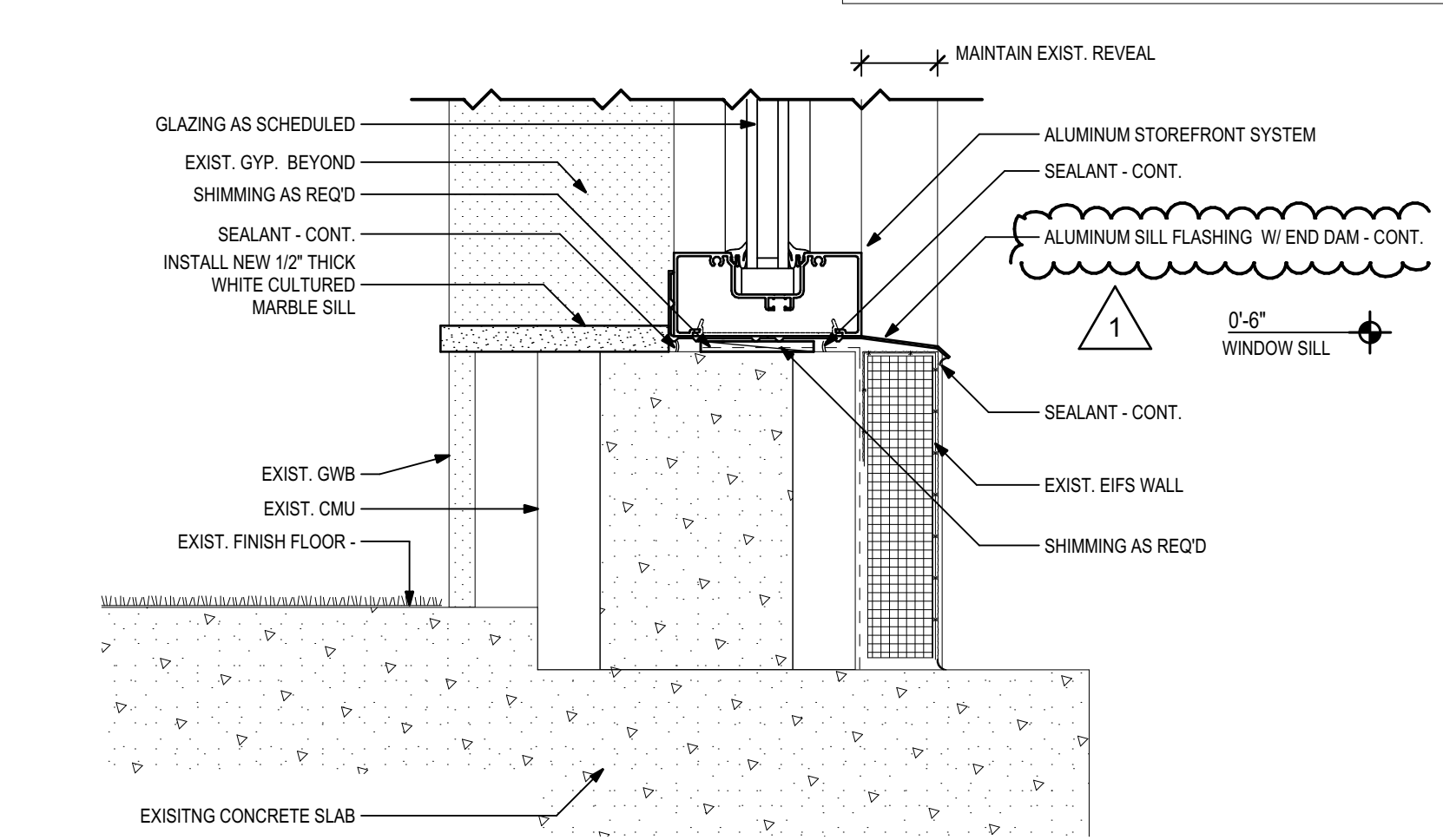
7 EIFS Expansion Joint
3" = 1'-0"



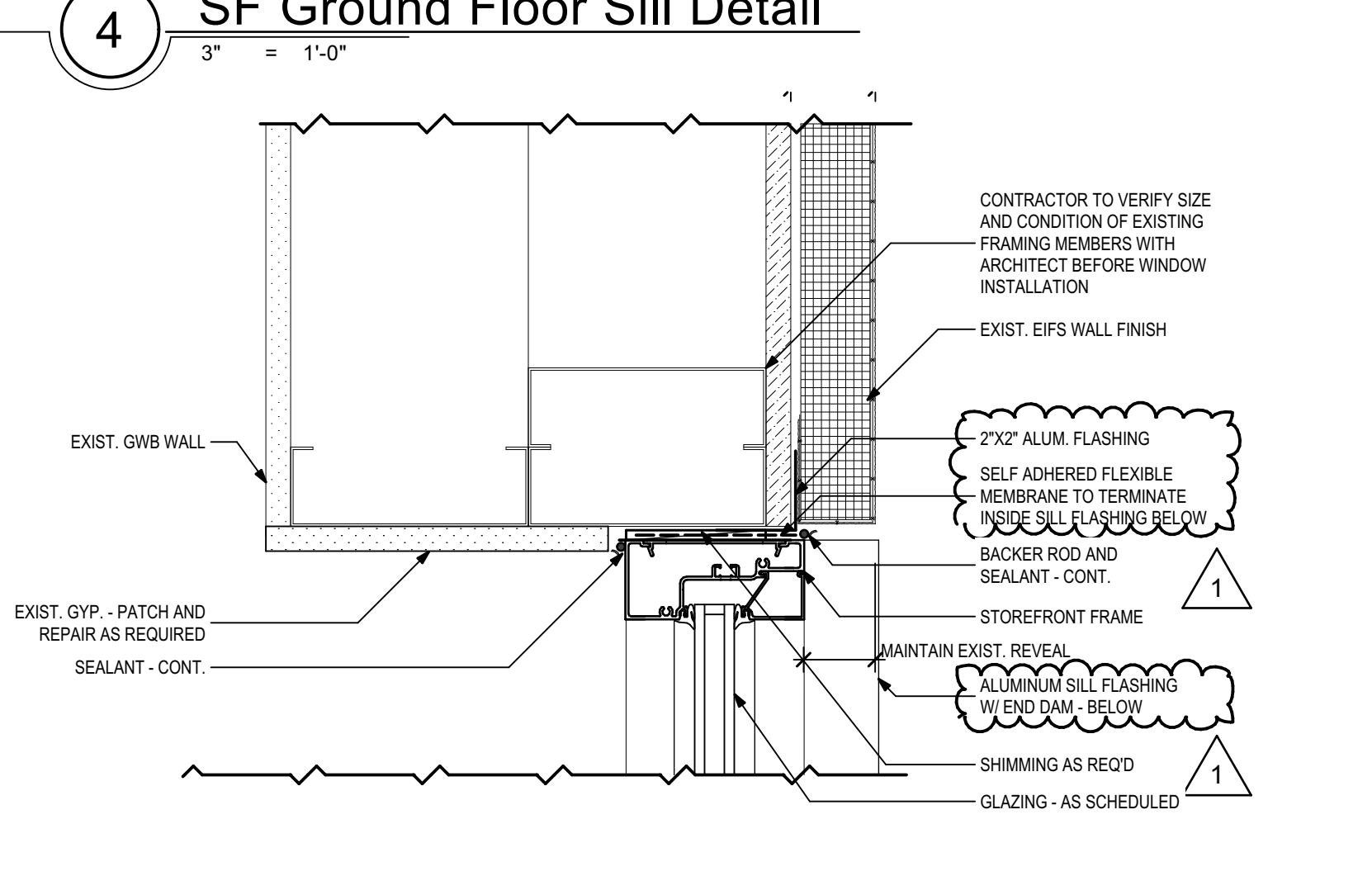
8 EIFS Reveal Joint
3" = 1'-0"



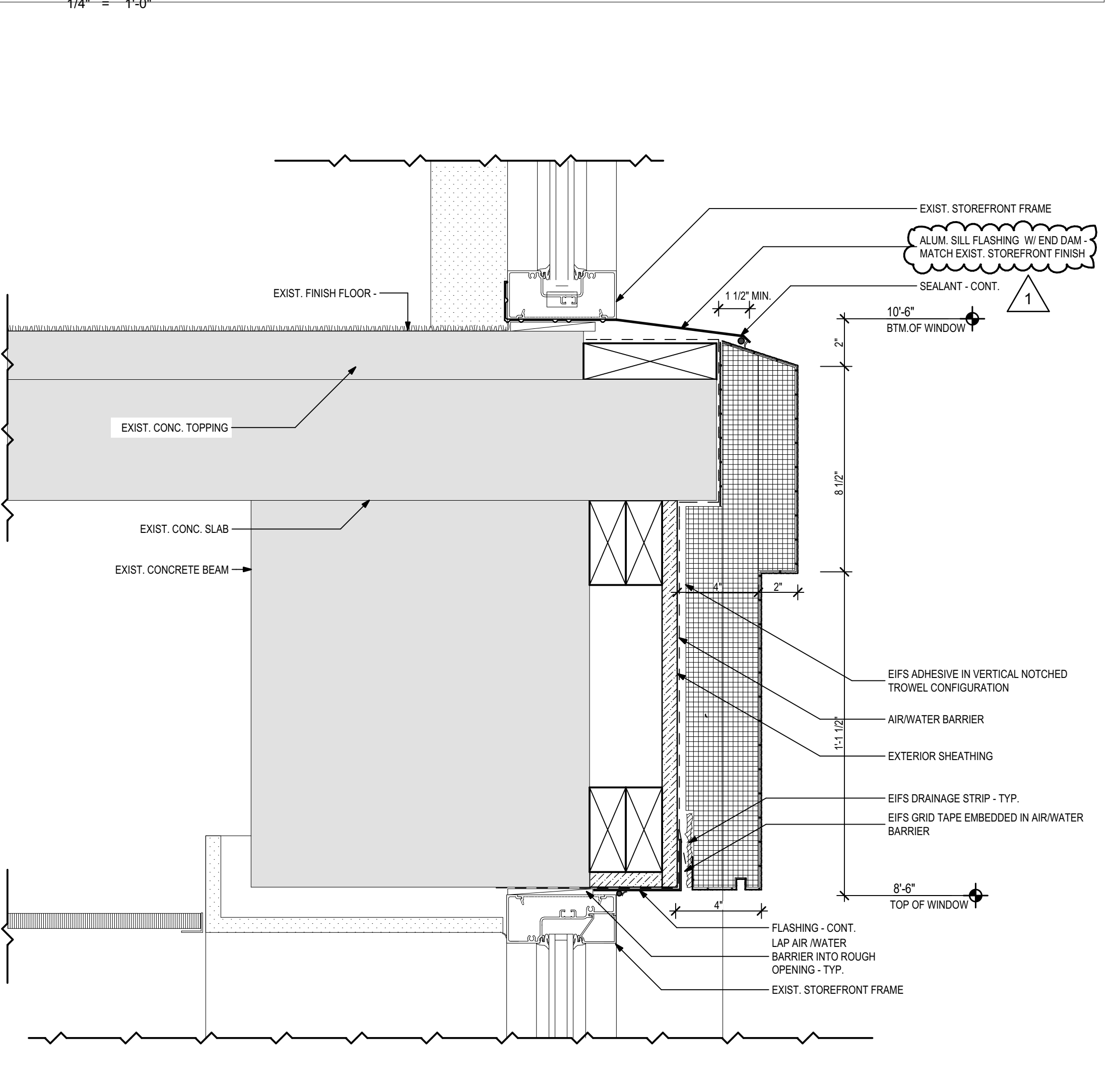
Window Elevations
1/4" = 1'-0"



4 SF Ground Floor Sill Detail
3" = 1'-0"



5 SF Jamb Detail
3" = 1'-0"



6 Wall Section Detail
3" = 1'-0"

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PHASE:	DRAWN:	REVIEWED:	DATE:	REVISIONS:	DRAWN:	REVIEWED:	DATE:
CONCEPT SCHEMATIC DESIGN				1. ADDENDUM NO. 1	SM	RL	11/07/2013
ADVANCED SCHEMATIC DESIGN				2.			
DESIGN DEVELOPMENT				3.			
50% CONSTRUCTION DOCUMENTS	SM	RL	9/12/2013	4.			
BID DOCUMENTS				5.			
100% CONSTR. DOCUMENTS	SM	RL	9/23/2013	6.			

Consultant:

1705 South Gadsden St. Suite 100
Tallahassee, FL 32301
PH. 850.671.7230

Seal:

Architects
Lewis + Whitlock

architecture
interior design
planning

206 west virginia st | tallahassee, fl 32301
ph: 850.942.1718 | fax: 850.942.2110
www.think3d.net FLAA0003316

Description:
Storefront Elevations and Details

Sheet No:
A2.1

100% CONSTRUCTION DOCUMENTS

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PROJECT MANUAL

SUPPLEMENTARY CONDITIONS

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013300	SUBMITTAL PROCEDURES
014000	QUALITY REQUIREMENTS
016000	PRODUCT REQUIREMENTS
017300	EXECUTION
017700	CLOSEOUT PROCEDURES
017823	OPERATION AND MAINTENANCE DATA
017839	PROJECT RECORD DOCUMENTS

DIVISION 2 – EXISTING CONDITIONS

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092900	GYPSUM BOARD
099123	INTERIOR PAINTING

END – TABLE OF CONTENTS

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

- 1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

1. All glazing to be laminated glazing – type G3 as specified in section 088000 and indicated on the drawings in lieu of types G1 and G2.

END OF SECTION 012300

SECTION 088000 - GLAZING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes glazing for the following products and applications, including those specified in other Sections where glazing requirements are specified by reference to this Section:
 - 1. Storefront framing.

1.3 DEFINITIONS

- A. Manufacturers of Glass Products: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.
- B. Glass Thicknesses: Indicated by thickness designations in inches and millimeters.
- C. Interspace: Space between lites of an insulating-glass unit that contains dehydrated air or a specified gas.
- D. Deterioration of Insulating Glass: Failure of hermetic seal under normal use that is attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.

1.4 PERFORMANCE REQUIREMENTS

- A. General: Provide glazing systems capable of withstanding normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, and installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.
- B. Glass Design: Glass thickness designations indicated are minimums and are for detailing only. Confirm glass thicknesses by analyzing Project loads and in-service conditions. Provide glass lites in the thickness designations indicated for various size openings, but not less than thicknesses and in strengths (annealed or heat treated) required to meet or exceed the following criteria:
 - 1. Glass Thicknesses: Select minimum glass thicknesses to comply with ASTM E 1300, according to the following requirements:

- a. Specified Design Wind Loads: As indicated, but not less than wind loads applicable to Project as required by ASCE 7 "Minimum Design Loads for Buildings and Other Structures": Section 6.0 "Wind Loads."
 - b. Probability of Breakage for Vertical Glazing: 8 lites per 1000 for lites set vertically or not more than 15 degrees off vertical and under wind action.
 - 1) Load Duration: 60 seconds or less.
 - c. Maximum Lateral Deflection: For the following types of glass supported on all 4 edges, provide thickness required that limits center deflection at design wind pressure to 1/50 times the short side length or 1 inch, whichever is less.
 - 1) For monolithic-glass lites heat treated to resist wind loads.
 - 2) For insulating glass.
 - d. Thickness of Tinted and Heat-Absorbing Glass: Provide the same thickness for each tint color indicated throughout Project.
- C. Thermal Movements: Provide glazing that allows for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures acting on glass framing members and glazing components. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
- 1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.
- D. Thermal and Optical Performance Properties: Provide glass with performance properties specified based on manufacturer's published test data, as determined according to procedures indicated below:
- 1. For monolithic-glass lites, properties are based on units with lites 6.0 mm thick.

1.5 SUBMITTALS

- A. Product Data: For each glass product and glazing material indicated.
- B. Samples: For the following products, in the form of 12-inch- square Samples for glass.
 - 1. Each color of tinted float glass.
 - 2. Insulating glass for each designation indicated.
- C. Glazing Schedule: Use same designations indicated on Drawings for glazed openings in preparing a schedule listing glass types and thicknesses for each size opening and location.
- D. Product Certificates: Signed by manufacturers of glass and glazing products certifying that products furnished comply with requirements.
- E. Product Test Reports: For each of the following types of glazing products:
 - 1. Float glass.
 - 2. Glazing gaskets.
- F. Warranties: Special warranties specified in this Section.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed glazing similar in material, design, and extent to that indicated for this Project; whose work has resulted in glass installations with a record of successful in-service performance; and who employs glass installers for this Project who are certified under the National Glass Association Glazier Certification Program as Level 2 (Senior Glaziers) or Level 3 (Master Glaziers).
- B. Source Limitations for Glazing Accessories: Obtain glazing accessories through one source from a single manufacturer for each product and installation method indicated.
- C. Glass Product Testing: Obtain glass test results for product test reports in "Submittals" Article from a qualified testing agency based on testing glass products.
 - 1. Glass Testing Agency Qualifications: An independent testing agency with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548.
- D. Glazing for Fire-Rated Door Assemblies: Glazing for assemblies that comply with NFPA 80 and that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire-protection ratings indicated, based on testing according to NFPA 252.
- E. Glazing for Fire-Rated Window Assemblies: Glazing for assemblies that comply with NFPA 80 and that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 257.
- F. Safety Glazing Products: Comply with testing requirements in 16 CFR 1201.
 - 1. Subject to compliance with requirements, obtain safety glazing products permanently marked with certification label of the Safety Glazing Certification Council acceptable to authorities having jurisdiction.
- G. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.
 - 1. GANA Publications: GANA's "Glazing Manual."
 - 2. IGM Publication for Insulating Glass: SIGMA TM-3000, "Glazing Guidelines for Sealed Insulating Glass Units."

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Protect glazing materials according to manufacturer's written instructions and as needed to prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.

1.8 PROJECT CONDITIONS

- A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.
 - 1. Do not install liquid glazing sealants when ambient and substrate temperature conditions are outside limits permitted by glazing sealant manufacturer or below 40 deg F.

1.9 WARRANTY

- A. Manufacturer's Special Warranty on Insulating Glass: Manufacturer's standard form, made out to Owner and signed by insulating-glass manufacturer agreeing to replace insulating-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.

1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:
1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, products specified.

2.2 GLASS PRODUCTS

- A. Annealed Float Glass: ASTM C 1036, Type I (transparent flat glass), Quality-Q3; of class indicated.
- B. Heat-Treated Float Glass: ASTM C 1048; Type I (transparent flat glass); Quality-Q3; of class, kind, and condition indicated.
1. For uncoated glass, comply with requirements for Condition A.
 2. For coated vision glass, comply with requirements for Condition C (other uncoated glass).
 3. Provide Kind FT (fully tempered) float glass in place of annealed or Kind HS (heat-strengthened) float glass where safety glass is indicated.

- C. Laminated Glass: ASTM C 1172, and complying with testing requirements in 16 CFR 1201 for Category II materials, and with other requirements specified. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.

1. Construction: Laminate glass with polyvinyl butyral interlayer to comply with interlayer manufacturer's written recommendations.
2. Interlayer Thickness: Provide thickness not less than that indicated and as needed to comply with requirements.
3. Interlayer Color: Clear unless otherwise indicated.

2.3 GLAZING GASKETS

- A. Soft Compression Gaskets: Extruded or molded, closed-cell, integral-skinned gaskets of material indicated below; complying with ASTM C 509, Type II, black; and of profile and hardness required to maintain watertight seal:
1. Neoprene.
 2. EPDM.
 3. Silicone.

4. Thermoplastic polyolefin rubber.

2.4 MISCELLANEOUS GLAZING MATERIALS

- A. General: Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
- C. Setting Blocks: Elastomeric material with a Shore, Type A durometer hardness of 85, plus or minus 5.
- D. Spacers: Elastomeric blocks or continuous extrusions with a Shore, Type A durometer hardness required by glass manufacturer to maintain glass lites in place for installation indicated.
- E. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).
- F. Cylindrical Glazing Sealant Backing: ASTM C 1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.
- G. Perimeter Insulation for Fire-Resistive Glazing: Identical to product used in test assembly to obtain fire-resistance rating.

2.5 FABRICATION OF GLAZING UNITS

- A. Fabricate glazing units in sizes required to glaze openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.
- B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lites in a manner that produces square edges with slight kerfs at junctions with outdoor and indoor faces.
- C. Grind smooth and polish exposed glass edges and corners.

2.6 INSULATED GLAZING UNITS

- A. G1: Insulating-Glass Units (Match Existing)
 1. Available Products:
 - a. Manufacturer: AGC
 - b. Product Name: Stopsol
 2. Overall Unit Thickness: 1".
 3. Interspace Content: Air.
 4. Outdoor Lite: 1/4" 'Hartford Green' reflective.
 5. Indoor Lite: 1/4" Clear, Low-E on #3 surface.
- B. G2: Insulating-Glass Units (Safety Glass)

1. Available Products:
 - a. Manufacturer: AGC
 - b. Product Name: : Stopsol
2. Overall Unit Thickness: 1".
3. Interspace Content: Air.
4. Outdoor Lite: 1/4" 'Hartford Green' reflective, FT (fully tempered).
5. Indoor Lite: 1/4" Clear, FT (fully tempered) Low-E on #3 surface.

C. G3: Insulating-Glass Units (Laminated Safety Glass)

1. Available Products:
 - a. Manufacturer: AGC
 - b. Product Name: : Stopsol - Laminated
2. Overall Unit Thickness: 1".
3. Interspace Content: Air.
4. Outdoor Lite: 1/4" 'Hartford Green' reflective, FT (fully tempered).
5. Indoor Lite: Laminated 2-ply 1/4" and 1/8" Clear, FT (fully tempered) Low-E on #3 surface.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine framing glazing, with Installer present, for compliance with the following:
 1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
 2. Presence and functioning of weep system.
 3. Minimum required face or edge clearances.
 4. Effective sealing between joints of glass-framing members.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.

3.3 GLAZING, GENERAL

- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.
- B. Glazing channel dimensions, as indicated on Drawings, provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances. Adjust as required by Project conditions during installation.
- C. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.

- D. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.
- E. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.
- F. Provide spacers for glass lites where length plus width is larger than 50 inches as follows:
 - 1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
 - 2. Provide 1/8-inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
- G. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.
- H. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
- I. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.
- J. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended by gasket manufacturer.

3.4 GASKET GLAZING (DRY)

- A. Fabricate compression gaskets in lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.
- B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.
- C. Install gaskets so they protrude past face of glazing stops.

3.5 CLEANING AND PROTECTION

- A. Protect exterior glass from damage immediately after installation by attaching crossed streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels, and clean surfaces.
- B. Protect glass from contact with contaminating substances resulting from construction operations, including weld splatter. If, despite such protection, contaminating substances do come into contact with glass, remove substances immediately as recommended by glass manufacturer.

Leon County – Sheriff's Office Envelope Repairs

- C. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains; remove as recommended in writing by glass manufacturer.
- D. Remove and replace glass that is broken, chipped, cracked, or abraded or that is damaged from natural causes, accidents, and vandalism, during construction period.
- E. Wash glass on both exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

END OF SECTION 088000