



SECTION 08565 (08 53 13)

VINYL WINDOWS AND PATIO DOORS

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**** NOTE TO SPECIFIER **** Gilkey Window Company; Commercial windows and doors.

This section is based on the products of Gilkey Window Company, which is located at:

3625 Hauck Rd.
Cincinnati, OH 45241
Toll Free: 800-878-7771
Phone: 513-769-9663
Fax: 513-769-3710
Email: _____
www.gilkey.com

[\[Click Here\]](#) for additional information.

Gilkey Windows specializes in the custom manufacturing and installation of energy efficient windows and doors, for both commercial and residential applications.

PART 1 GENERAL

1.1 SECTION INCLUDES

**** NOTE TO SPECIFIER **** Delete items below not required for project.

- A. Polyvinyl Chloride (PVC) windows with hardware, glazing, weather stripping, anchors, trim attachments, and accessories.
 - 1. Double hung windows.
 - 2. Casement windows.
 - 3. Sliding windows.
 - 4. Bay windows.
 - 5. Bay and bow windows.
 - 6. Glazing selection.
 - 7. Laminate options.
 - 8. Laminate gallery.

- B. Polyvinyl Chloride (PVC) patio doors with hardware, glazing, weather stripping, anchors, trim attachments, and accessories.

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER **** Delete any sections below not relevant to this project; add others as required.

- A. Section 054000 - Cold-Formed Metal Framing.
- B. Section 061000 - Rough Carpentry.
- C. Section 079200 - Joint Sealants.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data:
 - 1. Manufacturer's data sheets on each product to be used.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Typical installation methods.

** NOTE TO SPECIFIER ** Delete if not applicable to product type.

- C. Verification Samples: Two representative units of each type, size, pattern and color.
- D. Shop Drawings: Include details of materials, construction and finish. Include relationship with adjacent construction.
 - 1. Drawings shall include typical elevation and section views of profiles and attachments.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
- B. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
- C. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

** NOTE TO SPECIFIER ** Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

- D. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
 - 1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
 - 2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
 - 3. Retain mock-up during construction as a standard for comparison with completed work.
 - 4. Do not alter or remove mock-up until work is completed or removal is authorized.

1.5 PRE-INSTALLATION CONFERENCE

- A. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
- B. Protect from damage due to weather, excessive temperature, and construction operations.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.8 WARRANTY

- A. Manufacturer's standard limited warranty unless indicated otherwise.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Gilkey Window Company, which is located at: 3625 Hauck Rd.; Cincinnati, OH 45241; ASD Toll Free: 800-878-7771; Phone: 513-769-9663; Fax: 513-769-3710; Email: _____; www.gilkey.com.

** NOTE TO SPECIFIER ** Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 PERFORMANCE AND DESIGN REQUIREMENTS

- A. Windows and sliding doors shall demonstrate compliance to in force standards including forced entry resistance when applicable. Test reports as approved by an independent certified laboratory shall be submitted to the Architect.

- B. Design Characteristics:

** NOTE TO SPECIFIER ** Delete design characteristics that are not required.

1. Window and Door Profiles: Rigid PVC extruded by P.H. Tech.
 - a. Extruded PVC Surfaces: Smooth, glossy and uniform in aspect.
2. Frame and Sash Member Fabrications: Multi-chambered PVC extrusions.
 - a. Galvanized steel reinforcement if needed; screwed to the PVC profile.
3. Insulation: _____
4. Thermal Break: _____
5. Flashing: _____
6. Corner Joints: Miter cut and fusion welded. Joints to be cleaned and smooth.
7. EDPM/PVC Santoprene glazing splines and seals. Color: Black.
8. Mounting Screws for Hardware Attachment: Must be corrosion resistant. Must penetrate two profile walls, a screw boss, or a steel reinforcement.
9. Screens for Windows: Full and half screens to be removable from interior of facility.
10. Screens for Sliding Doors: To be removable and adjustable.
11. Glazing: As specified by the Architect. Windows to be glazed from the inside.
 - a. Glazing Beads: Extruded by P.H. Tech.
 - b. Windows:
 - 1) Single pane glazing.
 - 2) Double pane insulated glazing.
 - a) Gas filled.
 - 3) Triple pane insulated glazing.
 - a) Gas filled.
 - 4) Integral grids or muntins.
 - 5) Glazing Treatments:
 - a) Low-E.
 - b) Laminated.
 - c) Tempered.

- d) Reflective coatings.
- c. Sliding Doors:
 - 1) Lain in glazing.
 - 2) Channel type glazing.
- 12. Caulking and Sealing: As specified or recommended by door manufacturer.
- 13. Weather Stripping for Sliding Panels:
 - a. Silicone treated pile on rigid backing material fitting into a groove provided in extruded window and door parts.
 - b. Rubber gasket compression stripping where sliding panels meet lock jambs.
- 14. Accessories:
 - a. Brick moulds.
 - b. Drywall return.
 - c. Jamb extensions.
 - d. Shoe molding.
 - e. Finishing strips.

** NOTE TO SPECIFIER ** Delete article if not required.

2.3 WINDOWS

** NOTE TO SPECIFIER ** Delete paragraph options not required.

- A. Double-Hung Windows: EZ-Tilt lock system allows easy cleaning of glass. No unsightly latches or buttons on the meeting rail gives a true, architecturally correct double hung.

** NOTE TO SPECIFIER ** Delete basis of design and attribute options not required.

- 1. Basis of Design: 3350 Series, Double Hung
 - a. Dimensions (WxH): 48 x 80 inches (1219 x 2032 mm).
 - b. Performance Requirements:
 - 1) Design Pressure Rating (DP): 40.
 - 2) Structural Test Pressure: 60 psf (2.88 kPa); at 150 percent of DP.
 - 3) Water Infiltration: 6 psf (0.29 kPa); tested at 15 percent of DP.
 - 4) Air Infiltration: .04 cfm per sq ft (0.18 liter per sec per sq m).
 - c. Glazing Thickness: 1/8 inch (3.2 mm). Single pane.
 - d. Glazing Thickness: 5/32 inch (4.0 mm). Single pane.
 - e. Glazing Thickness: 1/4 inch (6.3 mm). Single pane.
 - f. Glazing Thickness: 11/32 inch (8.7 mm). Single pane.
 - g. Glazing Thickness: 1/2 inch (12.7 mm). Insulated double pane.
 - h. Glazing Thickness: 5/8 inch (15.9 mm). Insulated double pane.
 - i. Glazing Thickness: 3/4 inch (19.1 mm). Insulated double pane.
 - j. Glazing Thickness: 7/8 inch (22.2 mm). Insulated double pane.
 - k. Screens: Full.
 - l. Screens: Half.
 - m. Locks: _____.
 - n. Grids: _____.
 - o. Color: As determined by the architect from manufacturer's standard range.
- 2. Basis of Design: 3390 Series, Double Hung
 - a. Dimensions (WxH): 48 x 72 inches (1219 x 1829 mm).
 - b. Performance Requirements:
 - 1) Design Pressure Rating (DP): 35.
 - 2) Structural Test Pressure: 52.5 psf (2.51 kPa); at 150 percent of DP.
 - 3) Water Infiltration: 6 ps (0.29 kPa); tested at 15 percent of DP.
 - 4) Air Infiltration: 0.08 cfm per sq ft (0.44 liter per sec per sq m).
 - c. Glazing Thickness: 1/4 inch (6.3 mm). Single pane.
 - d. Glazing Thickness: 3/8 inch (9.2 mm). Single pane.
 - e. Glazing Thickness: 7/16 inch (11.8 mm). Single pane.
 - f. Glazing Thickness: 3/4 inch (19.1 mm). Insulated double pane.
 - g. Glazing Thickness: 7/8 inch (22.2 mm). Insulated double pane.

- h. Glazing Thickness: 1 inch (25.4 mm). Insulated triple pane.
 - i. Screens: Full.
 - j. Screens: Half.
 - k. Locks: _____.
 - l. Grids: _____.
 - m. Color: As determined by the architect from manufacturer's standard range.
3. Basis of Design: 4350 Series, Double Hung.
- a. Dimensions (WxH): 48 x 80 inches (1219 x 2032 mm).
 - b. Performance Requirements:
 - 1) Design Pressure Rating (DP): 40.
 - 2) Structural Test Pressure: 60 psf (2.88 kPa); at 150 percent of DP.
 - 3) Water Infiltration: 6 psf (0.29 kPa); tested at 15 percent of DP.
 - 4) Air Infiltration: 0.04 cfm per sq ft (0.18 liter per sec per sq m).
 - c. Glazing Thickness: 1/8 inch (3.2 mm). Single pane.
 - d. Glazing Thickness: 5/32 inch (4.0 mm). Single pane.
 - e. Glazing Thickness: 1/4 inch (6.3 mm). Single pane.
 - f. Glazing Thickness: 11/32 inch (8.7 mm). Single pane.
 - g. Glazing Thickness: 1/2 inch (12.7 mm). Insulated double pane.
 - h. Glazing Thickness: 5/8 inch (15.9 mm). Insulated double pane.
 - i. Glazing Thickness: 3/4 inch (19.1 mm). Insulated double pane.
 - j. Glazing Thickness: 7/8 inch (22.2 mm). Insulated double pane.
 - k. Screens: Full.
 - l. Screens: Half.
 - m. Locks: _____.
 - n. Grids: _____.
 - o. Color: As determined by the architect from manufacturer's standard range.

B. Casement Windows:

1. Basis of Design: 4000 Series, Casement.

**** NOTE TO SPECIFIER **** Delete attribute options not required.

- a. Casement window.
- b. Fixed casement window; extruded anchor.
- c. Fixed casement window; molded anchor.
- d. Opening: Crank handle.
- e. Opening: Push-out.
- f. Dimensions (WxH): 38 x 85 inches (965 x 2159 mm).
- g. Performance Requirements:
 - 1) Design Pressure Rating (DP): 50.
 - 2) Structural Test Pressure: 75 psf (3.59 kPa); at 150 percent of DP.
 - 3) Water Infiltration: 7.5 psf (0.36 kPa); tested at 15 percent of DP.
 - 4) Air Infiltration: 0.1 cfm per sq ft (0.05 liter per sec per sq m).
- h. Glazing Thickness: 1/8 inch (3.2 mm). Single pane.
- i. Glazing Thickness: 1/4 inch (6.3 mm). Single pane.
- j. Glazing Thickness: 3/8 inch (9.2 mm). Single pane.
- k. Glazing Thickness: 11/32 inch (8.7 mm). Single pane.
- l. Glazing Thickness: 1/2 inch (12.7 mm). Insulated double pane.
- m. Glazing Thickness: 5/8 inch (15.9 mm). Insulated double pane.
- n. Glazing Thickness: 3/4 inch (19.1 mm). Insulated double pane.
- o. Glazing Thickness: 7/8 inch (22.2 mm). Insulated double pane.
- p. Glazing Thickness: 1 inch (25.4 mm). Insulated double pane.
- q. Glazing Thickness: 1 inch (25.4 mm). Insulated triple pane.
- r. Glazing Thickness: 1-1/8 inch (28.6 mm). Insulated triple pane.
- s. Glazing Thickness: 1-1/4 inch (31.8 mm). Insulated triple pane.
- t. Glazing Thickness: 1-3/8 inch (34.9 mm). Insulated triple pane.
- u. Locks: _____.

C. Sliding Windows:

**** NOTE TO SPECIFIER **** Delete basis of design and attribute options not required.

1. Basis of Design: 3300 Series, Slider
 - a. Slider window section.
 - b. Double slider window section.
 - c. Double slider; 2 operating sashes.
 - d. Double slider; 3 sashes.
 - e. Dimensions (WxH): 72 x 60 inches (1829 x 1524 mm).
 - f. Performance Requirements:
 - 1) Design Pressure Rating (DP): 30.
 - 2) Structural Test Pressure: 45 psf (2.16 kPa); at 150 percent of DP.
 - 3) Water Infiltration: 4.5 psf (0.22 kPa); tested at 15 percent of DP.
 - 4) Air Infiltration: 0.04 cfm per sq ft (0.18 liter per sec per sq m).
 - g. Glazing Thickness: 1/8 inch (3.2 mm). Single pane.
 - h. Glazing Thickness: 5/32 inch (4.0 mm). Single pane.
 - i. Glazing Thickness: 1/4 inch (6.3 mm). Single pane.
 - j. Glazing Thickness: 11/32 inch (8.7 mm). Single pane.
 - k. Glazing Thickness: 1/2 inch (12.7 mm). Insulated double pane.
 - l. Glazing Thickness: 5/8 inch (15.9 mm). Insulated double pane.
 - m. Glazing Thickness: 3/4 inch (19.1 mm). Insulated double pane.
 - n. Glazing Thickness: 7/8 inch (22.2 mm). Insulated double pane.
 - o. Screens: Full.
 - p. Screens: Half.
 - q. Locks: _____.
 - r. Grids: _____.
 - s. Color: As determined by the architect from manufacturer's standard range.
2. Basis of Design: 3310 Series, Lift-Out Slider
 - a. Slider window section.
 - b. Double slider; 2 operating sashes.
 - c. Double slider; 3 sashes.
 - d. Dimensions (WxH): 71 x 55 inches (1803 x 1397 mm).
 - e. Performance Requirements:
 - 1) Design Pressure Rating (DP): 50.
 - 2) Structural Test Pressure: 75 psf (3.6 kPa); at 150 percent of DP.
 - 3) Water Infiltration: 7.5 psf (0.36 kPa); tested at 15 percent of DP.
 - 4) Air Infiltration: 0.12 cfm per sq ft (0.60 liter per sec per sq m).
 - f. Glazing Thickness: 1/4 inch (6.3 mm). Single pane.
 - g. Glazing Thickness: 3/8 inch (9.2 mm). Single pane.
 - h. Glazing Thickness: 15/32 inch (11.9 mm). Single pane.
 - i. Glazing Thickness: 7/8 inch (22.2 mm). Insulated double pane.
 - j. Glazing Thickness: 1 inch (25.4 mm). Insulated triple pane.
 - k. Screens: Full.
 - l. Screens: Half.
 - m. Locks: _____.
 - n. Grids: _____.
 - o. Color: As determined by the architect from manufacturer's standard range.
3. Basis of Design: 4300 Series.
 - a. Slider window section.
 - b. Double slider; 2 operating sashes.
 - c. Double slider; 3 operating sashes.
 - d. Dimensions (WxH): 72 x 60 inches (1829 x 1524 mm).
 - e. Performance Requirements:
 - 1) Design Pressure Rating (DP): 30.
 - 2) Structural Test Pressure: 45 psf (2.16 kPa); at 150 percent of DP.
 - 3) Water Infiltration: 4.5 psf (0.22 kPa); tested at 15 percent of DP.
 - 4) Air Infiltration: 0.04 cfm per sq ft (0.18 liter per sec per sq m).

- f. Glazing Thickness: 1/8 inch (3.2 mm). Single pane.
- g. Glazing Thickness: 5/32 inch (4.0 mm). Single pane.
- h. Glazing Thickness: 1/4 inch (6.3 mm). Single pane.
- i. Glazing Thickness: 11/32 inch (8.7 mm). Single pane.
- j. Glazing Thickness: 1/2 inch (12.7 mm). Insulated double pane.
- k. Glazing Thickness: 5/8 inch (15.9 mm). Insulated double pane.
- l. Glazing Thickness: 3/4 inch (19.1 mm). Insulated double pane.
- m. Glazing Thickness: 7/8 inch (22.2 mm). Insulated double pane.
- n. Screens: Full.
- o. Screens: Half.
- p. Locks: _____.
- q. Grids: _____.
- r. Color: As determined by the architect from manufacturer's standard range.

D. Awning Windows:

1. Basis of Design: 4050 Series, Awning

** NOTE TO SPECIFIER ** Delete attribute options not required.

- a. Opening: Top opening mechanism allows window to open to the outside on a horizontal axis.
- b. Dimensions (WxH): 60 x 40 inches (1524 x 1219 mm).
- c. Performance Requirements:
 - 1) Design Pressure Rating (DP): 30.
 - 2) Structural Test Pressure: 45 psf (2.16 kPa); at 150 percent of DP.
 - 3) Water Infiltration: 4.5 psf (0.22 kPa); tested at 15 percent of DP.
 - 4) Air Infiltration: 0.01 cfm per sq ft (0.05 liter per sec per sq m).
- d. Glazing Thickness: 1/8 inch (3.2 mm). Single pane.
- e. Glazing Thickness: 1/4 inch (6.3 mm). Single pane.
- f. Glazing Thickness: 3/8 inch (9.2 mm). Single pane.
- g. Glazing Thickness: 11/32 inch (8.7 mm). Single pane.
- h. Glazing Thickness: 1/2 inch (12.7 mm). Insulated double pane.
- i. Glazing Thickness: 5/8 inch (15.9 mm). Insulated double pane.
- j. Glazing Thickness: 3/4 inch (19.1 mm). Insulated double pane.
- k. Glazing Thickness: 7/8 inch (22.2 mm). Insulated double pane.
- l. Glazing Thickness: 1 inch (25.4 mm). Insulated double pane.
- m. Glazing Thickness: 1 inch (25.4 mm). Insulated triple pane.
- n. Glazing Thickness: 1-1/8 inch (28.6 mm). Insulated triple pane.
- o. Glazing Thickness: 1-1/4 inch (31.8 mm). Insulated triple pane.
- p. Glazing Thickness: 1-3/8 inch (34.9 mm). Insulated triple pane.
- q. Locks: _____.
- r. Grids: _____.
- s. Color: As determined by the architect from manufacturer's standard range.

E. Tilt and Turn Windows and Doors:

1. Basis of Design: 6300 Series, Tilt-and-Turn

** NOTE TO SPECIFIER ** Delete attribute options not required.

- a. Tilt and turn window sections.
- b. Tilt and turn window sections with fixed mullions; direct glazed.
- c. XOX Tilt and turn window sections with fixed mullions; direct glazed.
- d. Window sections with fixed mullions.
- e. Fixed window sections with sash.
- f. Tilt and turn entry door sections.
- g. French door sections with astragals.
- h. French door sections with astragals; outswing.
- i. Tilt and turn terrace door sections with fixed mullion.
- j. Tilt and turn terrace door sections with fixed mullion; direct glazed.
- k. XOX Terrace door sections with fixed mullions.

- l. XOX Terrace door sections with fixed mullions; direct glazed.
- m. Fixed window sections; direct glazed.
- n. Fixed window sections; direct glazed, outswing frame.
- o. Single entry door sections; outswing.
- p. Glazing Thickness: 15/64 inch (6 mm). Insulated double pane.
- q. Glazing Thickness: 21/64 inch (8.5 mm). Single pane laminated.
- r. Glazing Thickness: 7/8 inch (22.2 mm). Insulated double pane.
- s. Glazing Thickness: 1 inch (25.4 mm). Insulated double pane.
- t. Glazing Thickness: 1-1/8 inch (28.6 mm). Insulated triple pane.
- u. Glazing Thickness: 1-1/4 inch (31.8 mm). Insulated triple pane.
- v. Glazing Thickness: 1-3/8 inch (34.9 mm). Insulated triple pane.
- w. Glazing Thickness: 1-1/2 inch (38.1 mm). Insulated triple pane.
- x. Glazing Thickness: 1-5/8 inch (41.3 mm). Insulated triple pane.
- y. Glazing Thickness: 1-3/4 inch (44.5 mm). Insulated triple pane.
- z. Locks: _____.
- aa. Grids: _____.
- bb. Color: As determined by the architect from manufacturer's standard range.

F. Glazing Selection:

**** NOTE TO SPECIFIER **** Delete glazing options not required.

- 1. Double Clear:
 - a. U-Value: 0.48.
 - b. Solar Heat Gain Coefficient: 0.52.
 - c. STC Rating: 28.
 - d. UV Blockage: 41 percent.
- 2. Gilkey Double 366:
 - a. U-Value: 0.26.
 - b. Solar Heat Gain Coefficient: 0.20.
 - c. STC Rating: 31.
 - d. UV Blockage: 96 percent.
- 3. Gilkey Double 366 Plus: Argon filled.
 - a. U-Value: 0.23.
 - b. Solar Heat Gain Coefficient: 0.19.
 - c. STC Rating: 31.
 - d. UV Blockage: 96 percent.
- 4. Gilkey Triple 366 Ultra: Argon filled.
 - a. U-Value: 0.19.
 - b. Solar Heat Gain Coefficient: 0.18.
 - c. STC Rating: 35.
 - d. UV Blockage: 97 percent.
- 5. Gilkey Triple 366 Platinum: Krypton filled.
 - a. U-Value: 0.16.
 - b. Solar Heat Gain Coefficient: 0.17.
 - c. STC Rating: 35.
 - d. UV Blockage: 97 percent.
- 6. Glazing Options:
 - a. Dual Pane: LoE Cubed-366.
 - 1) Outer Pane, Interior Surface: LoE-366 Coating.
 - 2) Interior Space:
 - a) 99.5 percent Argon Gas Fill.
 - b) Endur Stainless Steel Spacer.
 - b. Dual Pane: LoE Cubed-366 Plus.
 - 1) Outer Pane, Inner Surface: LoE-366 Coating.
 - 2) Interior Space:
 - a) 99.5 percent Argon Gas Fill.
 - b) Endur Stainless Steel Spacer.

- 3) Inner Pane, Interior Surface: LoE-i89 Coating.
- c. Triple Pane: LoE Cubed-366 Ultra.
 - 1) Outer Pane, Interior Surface: LoE-366 Coating.
 - 2) Interior Spaces:
 - a) 99.5 percent Argon Gas Fill.
 - b) Endur Stainless Steel Spacer.
 - 3) Inner Pane, Exterior Surface: LoE-180 Coating.
- d. Triple Pane: LoE Cubed-366 Platinum.
 - 1) Outer Pane, Interior Surface: LoE-366 Coating.
 - 2) Interior Spaces:
 - a) 99.5 percent Argon Gas Fill.
 - b) Endur Stainless Steel Spacer.
 - 3) Middle Pane, Interior Surface: LoE-180 Coating.
 - 4) Inner Pane, Interior Surface: LoE-i89 Coating.

G. Laminate Options: For window and door frames.

**** NOTE TO SPECIFIER **** Gilkey's Cool Color Foils are designed to withstand the damaging effects of the sun and whatever else Mother Nature can throw at it. The laminate is made up of 3 layers which makes it even more efficient in reducing heat absorption, especially on dark surfaces. Delete if not required.

- 1. Cool Color Foils: Constant color, weather-resistant, scratch-resistant and resistant to heat build-up. Laminate is 8 times thicker than most painted products and 4 times thicker than cap stock products.
 - a. Base Layer: Gives strength and substance.
 - b. Middle Layer: White reflective designed to keep window material cooler. Contains the COOL Color IR reflective pigments; a patented technology.
 - c. Top Layer: Acrylic overlay strengthens surface against scratching and chipping.

**** NOTE TO SPECIFIER **** Delete interior color options not required.

- d. Interior Color: Beige.
- e. Interior Color: Colonial Oak.
- f. Interior Color: Mahogany.
- g. Interior Color: Pecan.
- h. Interior Color: Natural Pine.
- i. Interior Color: Amaretto Cherry.
- j. Exterior Color: Beige.
- k. Exterior Color: Café Cream.
- l. Exterior Color: Clay.
- m. Exterior Color: Terretone.
- n. Exterior Color: Bronze.
- o. Exterior Color: Black.

**** NOTE TO SPECIFIER **** Delete if not required.

- 2. Basis of Design: RENOLIT EXOFOL FX Exterior Film. Weather and UV -resistant. This high-performance material retains its gloss throughout its service life. In addition, the film's low surface tension makes it inherently dirt-repellent and therefore easy to clean.
 - a. Base Layer: Primer.
 - b. Second Layer: Pigments PMMA base film with SST.
 - c. Third Layer: Printing ink.
 - d. Fourth Layer: Transparent PMMA film.
 - e. Fifth Layer: Transparent PVDF layer.
 - f. Color: As determined by the Architect from manufacturer's standard range.
 - g. Warranty: 20 years.

**** NOTE TO SPECIFIER **** Delete article if not required.