

Guide Specification

Specifier Notes: This guide specification is written in Construction Specifications Institute (CSI) 3-Part Format in accordance with *The CSI Construction Specifications Practice Guide, MasterFormat, SectionFormat, and PageFormat.*

This Section must be carefully reviewed and edited by the Architect to meet the requirements of the Project and local building code. Coordinate this Section with Conditions of the Contract, Division 01, other specification sections, and the Drawings. Delete all Specifier Notes after editing this Section.

Section numbers and titles are based on *MasterFormat 2018 Edition.*

SECTION 08 53 13

VINYL WINDOWS

Specifier Notes: This Section covers Simonton Windows & Doors "DaylightMax" vinyl windows. Consult Simonton Windows & Doors for assistance in editing this Section as required for the Project.

PART 1 GENERAL

1.1 SECTION INCLUDES

Specifier Notes: Edit the following list for the type of vinyl windows specified in this Section.

- A. Single-hung-tilt vinyl windows.
- B. Single-slider vinyl windows.
- C. End-vent-slider vinyl windows.
- D. Bay vinyl windows.
- E. Bow vinyl windows.

- F. Awning vinyl windows.
- G. Picture vinyl windows.
- H. Geometric vinyl windows.
- I. Casement vinyl windows.
- J. Operable-radius-geometric vinyl windows.
- K. Operable-trapezoid-geometric vinyl windows.
- L. Operable-casement garden vinyl windows.
- M. Operable-single-hung garden vinyl windows.

1.2 RELATED REQUIREMENTS

Specifier Notes: Edit the following list of related sections as required for the Project. Limit the list to sections with specific information that the reader might expect to find in this Section, but is specified elsewhere.

- A. Section 06 10 00 – Rough Carpentry.
- B. Section 06 20 00 – Finish Carpentry.
- C. Section 06 40 13 – Exterior Architectural Woodwork.
- D. Section 07 92 00 – Joint Sealants.

1.3 REFERENCE STANDARDS

Specifier Notes: List reference standards used elsewhere in this Section, complete with designations and titles. Delete reference standards from the following list not used in the edited Section.

- A. American Architectural Manufacturers Association (AAMA) (www.aamanet.org):
 1. AAMA 502 – Voluntary Specification for Field Testing of Newly Installed Fenestration Products.
- B. American Architectural Manufacturers Association/Window & Door Manufacturers Association/Canadian Standards Association (AAMA/WDMA/CSA) (www.aamanet.org):
 1. AAMA/WDMA/CSA 101/I.S.2/A440 – North American Fenestration Standard/Specification for windows, doors, and skylights (NAFS).
- C. ASTM International (ASTM) (www.astm.org):
 1. ASTM E 283 – Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

2. ASTM F 588 – Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact.
- D. National Fenestration Rating Council (NFRC) (www.nfrc.org):
1. NFRC 100 – Procedure for Determining Fenestration Product U-factors.
 2. NFRC 200 – Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence.

1.4 PREINSTALLATION MEETINGS

Specifier Notes: Edit the Preinstallation Meetings article as required for the Project. Delete article if not required.

- A. Convene preinstallation meeting [1 week] [2 weeks] before start of installation of vinyl windows.
- B. Require attendance of parties directly affecting Work of this Section, including Contractor, Architect, installer, and manufacturer's representative.
- C. Review the Following:
 1. Mock-ups.
 2. Materials.
 3. Examination of openings.
 4. Preparation.
 5. Installation.
 6. Field quality control.
 7. Adjusting.
 8. Cleaning.
 9. Protection.
 10. Coordination with other Work.

1.5 SUBMITTALS

Specifier Notes: Edit the Submittals article as required for the Project. Delete submittals not required.

- A. Submittals: Comply with Division 01.
- B. Product Data: Submit manufacturer's product data, including preparation and installation instructions.
- C. Shop Drawings: Submit manufacturer's shop drawings, including elevations, sections, and details, indicating dimensions, tolerances, materials, components, fabrication, glazing, fasteners, hardware, finish, options, and design for each vinyl window type.
- D. Samples: Submit manufacturer's samples of colors and finishes of vinyl windows and hardware, minimum 2 inches by 3 inches.
- E. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.

- F. Test Reports: Submit manufacturer's test reports from independent testing agency indicating vinyl windows meet or exceed specified performance requirements.
- G. Manufacturer's Project References: Submit manufacturer's list of 10 successfully completed vinyl window projects of similar size and scope to this Project, including project name and location, name of architect, and type and quantity of vinyl windows furnished.
- H. Installer's Project References: Submit installer's list of 10 successfully completed vinyl window projects of similar size and scope to this Project, including project name and location, name of architect, and type and quantity of vinyl windows installed.
- I. Operating and Cleaning Instructions: Submit manufacturer's operating and cleaning instructions.
- J. Warranty Documentation: Submit manufacturer's standard warranty.

1.6 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Manufacturer regularly engaged in the manufacturing of vinyl windows of similar type to that specified for a minimum of 10 years.
- B. Installer's Qualifications:
 1. Installer regularly engaged in installation of vinyl windows of similar type to that specified for a minimum of 5 years.
 2. Use persons trained for installation of vinyl windows.

Specifier Notes: Edit mock-ups as necessary. Delete if not required.

- C. Mock-ups: Construct mock-ups of vinyl windows for evaluation of preparation techniques and installation workmanship.
 1. Construct mock-ups using same materials for use in the Work.
 2. Construct mock-ups at locations determined by Architect.
 3. Do not proceed until mock-ups are approved by Architect.
 4. Approved Mock-ups: Standard for workmanship of windows.
 5. Retain approved mock-ups.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage and Handling Requirements:
 1. Store and handle materials in accordance with manufacturer's instructions.
 2. Keep materials in manufacturer's original, unopened containers and packaging until installation.
 3. Store materials in clean, dry area indoors.
 4. Do not store materials directly on floor.
 5. Protect materials and finish during storage, handling, and installation to prevent damage.

1.8 WARRANTY

- A. Warranty Period:
 - 1. Residential: Limited lifetime.
 - 2. Commercial: 10 years.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer: Simonton Windows & Doors, 2019 East Monte Vista Avenue, Vacaville, California 95688. Toll Free 800-882-8922. www.simonton.com. archdetails@simonton.com.

Specifier Notes: Specify if substitutions will be permitted.

- B. Substitutions: [Not permitted] [Comply with Division 01].
- C. Single Source: Provide materials from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Product Standard: Comply with AAMA/WDMA/CSA 101/I.S.2/A440 for definitions and minimum standards of performance of materials, components, accessories, and fabrication, unless more stringent requirements are indicated.
- B. Performance Class and Grade: AAMA/WDMA/CSA 101/I.S.2/A440.

Specifier Notes: Specify the performance class and grade. Consult Simonton Windows & Doors for more information.

- 1. Performance Class: [R] [LC] [_____].
- 2. Performance Grade: [Minimum 15 for R, minimum 25 for LC] [_____].

Specifier Notes: Specify the type and grade of forced entry resistance. Consult Simonton Windows & Doors for more information.

- C. Forced Entry Resistance: ASTM F 588, Type _____, Grade _____.
- D. Air Infiltration: Maximum air leakage through fixed glazing and framing areas of 0.30 cfm/sq ft of fixed wall area, as determined according to ASTM E 283 at a minimum static-air-pressure differential of 1.57 lbf/sq ft.
- E. Maximum Allowable Operating Force: 30 lbf.

Specifier Notes: Edit the following three paragraphs as required for the Project. Consult Simonton Windows & Doors for more information.

- F. Water Penetration: Minimum water resistance of [2.86 psf for entry level R15] [3.75 psf for entry level LC25] [4.50 psf for entry level C30] structural rating.
- G. Thermal Transmittance: NFRC 100 maximum whole window U-factor of [0.30] [_____].
- H. Solar Heat Gain Coefficient (SHGC): NFRC 200 maximum whole window SHGC of [0.30] [_____].

Specifier Notes: Specify the types of vinyl windows required for the Project. Delete vinyl window types not required. Consult Simonton Windows & Doors for information regarding the combination of vinyl window types in various configurations.

2.3 SINGLE-HUNG-TILT VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the single-hung-tilt vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

- A. Single-Hung-Tilt Vinyl Windows: “DaylightMax” windows.

Specifier Notes: Specify single-hung-tilt vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

- B. Size: [_____ inches by _____ inches] [Indicated on the Drawings].
- C. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

- 1. Interior: [White] [Tan].
- 2. Exterior:
 - a. Standard: [White] [Tan].
 - b. “Decorum”: [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].
- D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

“ProSolar” Low E glass with argon gas is standard.

“Intercept” spacer system is standard.

1. Glass Strength: Double strength.
2. Glass Type: [“ProSolar” Low E glass with argon gas] [“ProSolar Shade”] [“ProSolar Shade Plus”] [Rain] [Glue Chip] [Obscure] [“Solarcool” Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: [“Intercept” U-channel spacer] [“Supercept” with U-channel design, stainless steel] [“Super Spacer”, nonmetallic foam].
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame styles not required.

1. Style: [Bullnose] [Craftsman] [Brickmould] [Block] [Nailing fin with 1-inch setback and stucco key] [Nailing fin with 1-3/8-inch setback].
2. Construction: Welded.
3. Depth: 2-7/8 inches.
4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.072 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

G. Sash:

1. Construction: Welded.
2. Glazing Bead:
 - a. Color: Color matched.

- b. Location: External.
- 3. Outer Walls Thickness: 0.072 inch.

H. Hardware:

- 1. Balance: 1/2-inch constant-force coil spring.

Specifier Notes: Specify traditional or “AutoSense” locks. The “AutoSense” lock is automatically activated when the window is closed. Specify lock finish.

- 2. Locks: [Traditional] [“AutoSense”].
 - a. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

I. Screen:

- 1. Frame: Roll-formed aluminum.
- 2. Mesh: Fiberglass.
- 3. Size: Full.
- 4. Integrated pull rails.

J. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

K. Capillary tubes.

2.4 SINGLE-SLIDER VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the single-slider vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. Single-Slider Vinyl Windows: “DaylightMax” windows.

Specifier Notes: Specify single-slider vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [____ inches by ____ inches] [Indicated on the Drawings].

C. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

- 1. Interior: [White] [Tan].
- 2. Exterior:
 - a. Standard: [White] [Tan].
 - b. “Decorum”: [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

Double-strength "ProSolar" Low E glass with argon gas is standard.

"Intercept" spacer system is standard.

1. Glass Strength: [Double strength] [Triple strength].
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: ["Intercept" U-channel spacer] ["Supercept" with U-channel design, stainless steel] ["Super Spacer", nonmetallic foam].
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame styles not required.

1. Style: [Bullnose] [Craftsman] [Brickmould] [Block] [Nailing fin with 1-inch setback and stucco key] [Nailing fin with 1-3/8-inch setback].
2. Construction: Welded.
3. Depth: 2-7/8 inches.
4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.072 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

G. Sash:

1. Construction: Welded.

2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
3. Outer Walls Thickness: 0.072 inch.

H. Hardware:

Specifier Notes: Specify traditional or “AutoSense” locks. The “AutoSense” lock is automatically activated when the window is closed. Specify lock finish.

1. Locks: [Traditional] [“AutoSense”].
2. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

I. Screen:

1. Frame: Roll-formed aluminum.
2. Mesh: Fiberglass.
3. Size: Full.
4. Integrated pull rails.

J. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

K. Capillary tubes.

2.5 END-VENT-SLIDER VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the end-vent-slider vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. End-Vent-Slider Vinyl Windows: “DaylightMax” windows.

Specifier Notes: Specify end-vent-slider vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [____ inches by ____ inches] [Indicated on the Drawings].

C. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

1. Interior: [White] [Tan].
2. Exterior:
 - a. Standard: [White] [Tan].

- b. "Decorum": [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

"ProSolar" Low E glass with argon gas is standard.

"Intercept" spacer system is standard.

1. Glass Strength: Double strength.
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: ["Intercept" U-channel spacer] ["Supercept" with U-channel design, stainless steel] ["Super Spacer", nonmetallic foam].
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame styles not required.

1. Style: [Bullnose] [Craftsman] [Brickmould] [Block] [Nailing fin with 1-inch setback and stucco key] [Nailing fin with 1-3/8-inch setback].
2. Construction: Welded.
3. Depth: 2-7/8 inches.
4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.072 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

- G. Sash:
 - 1. Construction: Welded.
 - 2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
 - 3. Outer Walls Thickness: 0.072 inch.

H. Hardware:

Specifier Notes: Specify traditional or “AutoSense” locks. The “AutoSense” lock is automatically activated when the window is closed. Specify lock finish.

- 1. Locks: [Traditional] [“AutoSense”].
- 2. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

- I. Screen:
 - 1. Frame: Roll-formed aluminum.
 - 2. Mesh: Fiberglass.
 - 3. Size: Full.
 - 4. Integrated pull rails.

J. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

K. Capillary tubes.

2.6 BAY VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the bay vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. Bay Vinyl Windows: “DaylightMax” windows.

Specifier Notes: Specify bay vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [_____ inches by _____ inches] [Indicated on the Drawings].

Specifier Notes: Specify the configuration of the bay vinyl windows. Consult Simonton Windows & Doors for information regarding center and side window types and angle between windows.

- C. Configuration:
 - 1. Center Window Type: _____.
 - 2. Right Side Window Type: _____.

3. Left Side Window Type: _____.
4. Angle Between Center and Side Windows: [30 degrees] [45 degrees].

D. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

1. Interior: [White] [Tan].
2. Exterior:
 - a. Standard: [White] [Tan].
 - b. "Decorum": [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

E. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

"ProSolar" Low E glass with argon gas is standard.

"Intercept" spacer system is standard.

1. Glass Strength: Double strength.
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: ["Intercept" U-channel spacer] ["Supercept" with U-channel design, stainless steel] ["Super Spacer", nonmetallic foam].
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

F. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

G. Frame:

1. Style: Block.
2. Construction: Welded.
3. Depth: 2-7/8 inches.

4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.072 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

H. Sash:

1. Construction: Welded.
2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
3. Outer Walls Thickness: 0.072 inch.

I. Hardware:

Specifier Notes: Specify traditional or "AutoSense" locks. The "AutoSense" lock is automatically activated when the window is closed. Specify lock finish.

1. Locks: [Traditional] ["AutoSense"].
2. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

J. Screen:

1. Frame: Roll-formed aluminum.
2. Mesh: Fiberglass.
3. Size: Full.
4. Integrated pull rails.

K. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

L. Capillary tubes.

2.7 BOW VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the bow vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. Bow Vinyl Windows: "DaylightMax" windows.

Specifier Notes: Specify bow vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [____ inches by ____ inches] [Indicated on the Drawings].

Specifier Notes: Specify the configuration of the bow vinyl windows. Consult Simonton Windows & Doors for information regarding each window type used to comprise the bow vinyl windows.

C. Configuration:

1. Number of Separate Windows: [3] [4] [5] [_____].
2. Each Window Type to Comprise Bow Vinyl Windows: _____.
3. Windows mullied at 10-degree increments.

D. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

1. Interior: [White] [Tan].
2. Exterior:
 - a. Standard: [White] [Tan].
 - b. "Decorum": [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

E. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

"ProSolar" Low E glass with argon gas is standard.

"Intercept" spacer system is standard.

1. Glass Strength: Double strength.
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: ["Intercept" U-channel spacer] ["Supercept" with U-channel design, stainless steel] ["Super Spacer", nonmetallic foam].
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

F. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

- G. Frame:
 - 1. Style: Block.
 - 2. Construction: Welded.
 - 3. Depth: 2-7/8 inches.
 - 4. Exterior Aesthetics: Bullnose.
 - 5. Outer Walls Thickness: 0.072 inch.
 - 6. Installation Option: Replacement frame.
 - 7. Weep System: Integral.
 - 8. Screen track: Integral.

- H. Sash:
 - 1. Construction: Welded.
 - 2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
 - 3. Outer Walls Thickness: 0.072 inch.

- I. Hardware:

Specifier Notes: Specify traditional or “AutoSense” locks. The “AutoSense” lock is automatically activated when the window is closed. Specify lock finish.

- 1. Locks: [Traditional] [“AutoSense”].
- 2. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

- J. Screen:
 - 1. Frame: Roll-formed aluminum.
 - 2. Mesh: Fiberglass.
 - 3. Size: Full.
 - 4. Integrated pull rails.

- K. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

- L. Capillary tubes.

2.8 AWNING VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the awning vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

- A. Awning Vinyl Windows: “DaylightMax” windows.

Specifier Notes: Specify awning vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [_____ inches by _____ inches] [Indicated on the Drawings].

C. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

1. Interior: [White] [Tan].
2. Exterior:
 - a. Standard: [White] [Tan].
 - b. "Decorum": [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

"ProSolar" Low E glass with argon gas is standard.

"Intercept" spacer system is standard.

1. Glass Strength: Double strength.
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: ["Intercept" U-channel spacer] ["Supercept" with U-channel design, stainless steel] ["Super Spacer", nonmetallic foam].
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame styles not required.

1. Style: [Bullnose] [Craftsman] [Brickmould] [Block] [Nailing fin with 1-inch setback and stucco key] [Nailing fin with 1-3/8-inch setback].
2. Construction: Welded.
3. Depth: 3 inches.
4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.08 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

G. Sash:

1. Construction: Welded.
2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
3. Operation: Crank.
4. Outer Walls Thickness: 0.08 inch.

H. Hardware:

1. Folding nesting crank handle.
2. Locks: Traditional.

Specifier Notes: Specify hardware finish. Delete finishes not required.

3. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

I. Screen:

1. Frame: Roll-formed aluminum.
2. Mesh: Fiberglass.
3. Size: Full.
4. Integrated pull rails.

J. Weep holes.

Specifier Notes: Delete capillary tubes if not required.

K. Capillary tubes.

2.9 PICTURE VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the picture vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. Picture Vinyl Windows: “DaylightMax” windows.

Specifier Notes: Specify picture vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [____ inches by ____ inches] [Indicated on the Drawings].

C. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

1. Interior: [White] [Tan].
2. Exterior:
 - a. Standard: [White] [Tan].
 - b. “Decorum”: [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

“ProSolar” Low E glass with argon gas is standard.

“Intercept” spacer system is standard.

1. Glass Strength: Double strength.
2. Glass Type: [“ProSolar” Low E glass with argon gas] [“ProSolar Shade”] [“ProSolar Shade Plus”] [Rain] [Glue Chip] [Obscure] [“Solarcool” Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: [“Intercept” U-channel spacer] [“Supercept” with U-channel design, stainless steel] [“Super Spacer”, nonmetallic foam].
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame styles not required.

1. Style: [Bullnose] [Craftsman] [Brickmould] [Block] [Nailing fin with 1-inch setback and stucco key] [Nailing fin with 1-3/8-inch setback].
2. Construction: Welded.
3. Depth: 2-7/8 inches.
4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.08 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

G. Sash:

1. Construction: Welded.
2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
3. Outer Walls Thickness: 0.08 inch.

H. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

I. Capillary tubes.

2.10 GEOMETRIC VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the geometric vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. Geometric Vinyl Windows: "DaylightMax" windows.

Specifier Notes: Specify geometric vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [_____ inches by _____ inches] [Indicated on the Drawings].

C. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

1. Interior: [White] [Tan].
2. Exterior:
 - a. Standard: [White] [Tan].
 - b. "Decorum": [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

"ProSolar" Low E glass with argon gas is standard.

1. Glass Strength: Double strength.
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: "Super Spacer", nonmetallic foam.
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame styles not required.

1. Style: [Bullnose] [Craftsman] [Brickmould] [Block] [Nailing fin with 1-inch setback and stucco key] [Nailing fin with 1-3/8-inch setback].
2. Construction: Welded.
3. Depth: 2-7/8 inches.
4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.072 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

G. Sash:

1. Construction: Welded.
2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
3. Outer Walls Thickness: 0.072 inch.

H. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

- I. Capillary tubes.

2.11 CASEMENT VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the casement vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. Casement Vinyl Windows: "DaylightMax" windows.

Specifier Notes: Specify casement vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [_____ inches by _____ inches] [Indicated on the Drawings].

C. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

1. Interior: [White] [Tan].
2. Exterior:
 - a. Standard: [White] [Tan].

- b. "Decorum": [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

"ProSolar" Low E glass with argon gas is standard.

"Intercept" spacer system is standard.

1. Glass Strength: Double strength.
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: ["Intercept" U-channel spacer] ["Supercept" with U-channel design, stainless steel] ["Super Spacer", nonmetallic foam].
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame styles not required.

1. Style: [Bullnose] [Craftsman] [Brickmould] [Block] [Nailing fin with 1-inch setback and stucco key] [Nailing fin with 1-3/8-inch setback].
2. Construction: Welded.
3. Depth: 2-7/8 inches.
4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.08 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

- G. Sash:
 - 1. Construction: Welded.
 - 2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
 - 3. Operation: Crank.
 - 4. Outer Walls Thickness: 0.08 inch.
- H. Hardware:
 - 1. Folding nesting crank handle.
 - 2. Locks: Traditional.

Specifier Notes: Specify hardware finish. Delete finishes not required.

- 3. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

- I. Screen:
 - 1. Frame: Roll-formed aluminum.
 - 2. Mesh: Fiberglass.
 - 3. Size: Full.
 - 4. Integrated pull rails.
- J. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

- K. Capillary tubes.

2.12 OPERABLE-RADIUS-GEOMETRIC VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the operable-radius-geometric vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

- A. Operable-Radius-Geometric Vinyl Windows: "DaylightMax" windows.

Specifier Notes: Specify operable-radius-geometric vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

- B. Size: [_____ inches by _____ inches] [Indicated on the Drawings].
- C. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

- 1. Interior: [White] [Tan].

2. Exterior:
 - a. Standard: [White] [Tan].
 - b. "Decorum": [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

"ProSolar" Low E glass with argon gas is standard.

1. Glass Strength: Double strength.
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: "Super Spacer", nonmetallic foam.
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame styles not required.

1. Style: [Bullnose] [Craftsman] [Brickmould] [Block] [Nailing fin with 1-inch setback and stucco key] [Nailing fin with 1-3/8-inch setback].
2. Construction: Welded.
3. Depth: 2-7/8 inches.
4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.072 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

- G. Sash:
 - 1. Construction: Welded.
 - 2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
 - 3. Outer Walls Thickness: 0.072 inch.

H. Hardware:

Specifier Notes: Specify traditional or “AutoSense” locks. The “AutoSense” lock is automatically activated when the window is closed. Specify lock finish.

- 1. Locks: [Traditional] [“AutoSense”].
- 2. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

- I. Screen:
 - 1. Frame: Roll-formed aluminum.
 - 2. Mesh: Fiberglass.
 - 3. Size: Full.
 - 4. Integrated pull rails.

J. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

K. Capillary tubes.

2.13 OPERABLE-TRAPEZOID-GEOMETRIC VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the operable-trapezoid-geometric vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. Operable-Trapezoid-Geometric Vinyl Windows: “DaylightMax” windows.

Specifier Notes: Specify operable-trapezoid-geometric vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [_____ inches by _____ inches] [Indicated on the Drawings].

C. Frame and Sash Color:

Specifier Notes: Specify frame and sash color.

- 1. Interior: [White] [Tan].
- 2. Exterior:

- a. Standard: [White] [Tan].
- b. "Decorum": [Black] [Brick] [Bronze] [Chocolate] [Cream] [Driftwood] [Espresso] [Pine] [Silver] [Tan].

D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

"ProSolar" Low E glass with argon gas is standard.

1. Glass Strength: Double strength.
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: "Super Spacer", nonmetallic foam.
6. Glazing Bead: Mitered.
7. Glass Package: [Energy Star, optimized by region] [Title 24] [Custom].

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame styles not required.

1. Style: [Bullnose] [Craftsman] [Brickmould] [Block] [Nailing fin with 1-inch setback and stucco key] [Nailing fin with 1-3/8-inch setback].
2. Construction: Welded.
3. Depth: 2-7/8 inches.
4. Exterior Aesthetics: Bullnose.
5. Sill: Sloped.
6. Outer Walls Thickness: 0.072 inch.
7. Installation Option: [Replacement frame] [Integral fin].
8. Weep System: Integral.
9. Screen track: Integral.

G. Sash:

1. Construction: Welded.
2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
3. Outer Walls Thickness: 0.072 inch.

H. Hardware:

Specifier Notes: Specify traditional or “AutoSense” locks. The “AutoSense” lock is automatically activated when the window is closed. Specify lock finish.

1. Locks: [Traditional] [“AutoSense”].
2. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

I. Screen:

1. Frame: Roll-formed aluminum.
2. Mesh: Fiberglass.
3. Size: Full.
4. Integrated pull rails.

J. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

K. Capillary tubes.

2.14 OPERABLE-CASEMENT-GARDEN VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the operable-casement-garden vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. Operable-Casement-Garden Vinyl Windows: “DaylightMax” windows.

Specifier Notes: Specify operable-casement-garden vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [____ inches by ____ inches] [Indicated on the Drawings].

C. Frame and Sash Color:

Specifier Notes: Specify color.

1. Interior: [White] [Tan].
2. Exterior: [White] [Tan].

- D. Glass:
1. Glass Strength: Single strength.
 2. Glass Type: "ProSolar" Low E glass with argon gas.
 3. Insulating Glass Unit Thickness: 1 inch.
 4. Panes of Glass: Dual pane.
 5. Spacer System: "Super Spacer", nonmetallic foam.
 6. Glazing Bead: Mitered.

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required. Consult Simonton Windows & Doors for availability of other patterns.

1. Pattern: [Victorian] [Colonial] [Perimeter] [Double Perimeter] [Queen Anne] [Double Queen Anne] [_____].
2. Style: [Flat] [Sculptured 3/4 inch] [Sculptured 1 inch].
3. Type: Between-the-glass.

F. Frame:

1. Projection from Wall: 17 inches.
2. Exterior Aesthetics: Bullnose.
3. Sill: Sloped.
4. Outer Walls Thickness: 0.072 inch.

Specifier Notes: Specify installation option. Delete options not required.

5. Installation Option: [Block with jamb return] [Block with jamb with flash flange] [Nail fin with no jamb return].
6. Weep System: Integral.
7. Screen track: Integral.

G. Sash:

1. Construction: Welded.
2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
3. Outer Walls Thickness: 0.072 inch.

H. Hardware:

1. Folding nesting crank handle.
2. Locks: Traditional.

Specifier Notes: Specify hardware finish. Delete finishes not required.

3. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

I. Screen:

1. Frame: Roll-formed aluminum.
2. Mesh: Fiberglass.
3. Size: Full.
4. Integrated pull rails.

J. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

K. Capillary tubes.

2.15 OPERABLE-SINGLE-HUNG-GARDEN VINYL WINDOWS

Specifier Notes: Specify required standard and optional features for the operable-single-hung-garden vinyl windows. Not all combinations of features are available. Consult Simonton Windows & Doors for availability of specific combinations of features.

A. Operable-Single-Hung-Garden Vinyl Windows: "DaylightMax" windows.

Specifier Notes: Specify operable-single-hung-garden vinyl windows in standard or custom sizes. Consult Simonton Windows & Doors for availability of custom-size windows.

B. Size: [____ inches by ____ inches] [Indicated on the Drawings].

C. Frame and Sash Color:

Specifier Notes: Specify color.

1. Interior: [White] [Tan].
2. Exterior: [White] [Tan].

D. Glass:

Specifier Notes: A variety of glass options are available. Consult Simonton Windows & Doors for more information.

"ProSolar" Low E glass with argon gas is standard.

1. Glass Strength: Single strength.
2. Glass Type: ["ProSolar" Low E glass with argon gas] ["ProSolar Shade"] ["ProSolar Shade Plus"] [Rain] [Glue Chip] [Obscure] ["Solarcool" Bronze] [Bronze Tint] [Grey Tint] [Flemish] [Delta Frost] [Reed] [Sound abatement] [Satin etch].
3. Insulating Glass Unit Thickness: 3/4 inch.
4. Panes of Glass: Dual pane.
5. Spacer System: "Warm Edge" U-channel spacer.
6. Glazing Bead: Mitered.

7. Glass Packages: Custom.

E. Grid:

Specifier Notes: Specify the grid pattern required for the Project. Delete patterns not required.

1. Pattern: [Victorian] [Colonial] [Prairie].
2. Style: Flat.
3. Type: Between-the-glass.

F. Frame:

Specifier Notes: Specify the frame style required for the Project. Delete frame style not required.

1. Style: [Nail on] [Retrofit].
2. Projection from Wall: 16 inches.
3. Exterior Aesthetics: Bullnose.
4. Sill: Sloped.
5. Outer Walls Thickness: 0.072 inch.
6. Weep System: Integral.
7. Screen track: Integral.

G. Sash:

1. Construction: Welded.
2. Glazing Bead:
 - a. Color: Color matched.
 - b. Location: External.
3. Outer Walls Thickness: 0.072 inch.

H. Hardware:

1. Locks: Traditional.

Specifier Notes: Specify finish. Delete finishes not required.

2. Finish: [White] [Tan] [Satin nickel] [Dark bronze].

I. Screen:

1. Frame: Roll-formed aluminum.
2. Mesh: Fiberglass.
3. Size: Full.
4. Integrated pull rails.

J. Weep Holes: Covered by small baffles.

Specifier Notes: Delete capillary tubes if not required.

K. Capillary tubes.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine openings, substrates, anchorage, and supports to receive vinyl windows.
- B. Examine abutting wall flashing, vapor retarders, weather barriers, and other components to ensure weathertight window installation.
- C. Verify rough opening dimensions, sill levelness, and operational clearances are acceptable.
- D. Notify Architect of conditions that would adversely affect installation or subsequent use.
- E. Do not begin preparation or installation until unacceptable conditions are corrected.

3.2 PREPARATION

- A. Prepare substrates in accordance with manufacturer's instructions.
- B. Clean substrates before window installation.

3.3 INSTALLATION

- A. Install vinyl windows in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Install vinyl windows plumb, level, square, true to line, and without distortion.
- C. Anchor vinyl windows securely in place to supports.
- D. Verify vinyl windows are installed in proper relation to wall flashing and other abutting materials.
- E. Install vinyl windows weathertight.
- F. Verify vinyl windows open, close, and lock properly.

Specifier Notes: Delete the Field Quality Control article if not required.

3.4 FIELD QUALITY CONTROL

- A. Test vinyl windows after installation to verify amount of air infiltration and water resistance in accordance with AAMA 502.
 - 1. Demonstrate compliance with the following:
 - a. Allowable Air Leakage Rate: 1.5 times applicable rate for product type and performance class in accordance with AAMA/WDMA/CSA 101/I.S.2/A440.
 - b. Allowable Water Infiltration: None permitted.
 - 2. Remove and replace with new windows and retest, if installed windows do not meet these requirements.

3.5 ADJUSTING

- A. Adjust operating components to ensure:
 - 1. Tight fit at contact points and weatherstripping.
 - 2. Smooth operation.
 - 3. Weathertight closure.
- B. Replace damaged glass.
- C. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.
- D. Remove and replace with new material, damaged components that cannot be successfully repaired, as determined by Architect.

3.6 CLEANING

- A. Clean windows promptly after installation in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials or methods that could damage windows.

3.7 PROTECTION

- A. Protect installed vinyl windows to ensure that, except for normal weathering on exterior surfaces, windows will be without damage or deterioration at time of Substantial Completion.

END OF SECTION