



SECTION 08 56 19.03 - SELF-CLOSING SERVICE WINDOWS

PART 1 - GENERAL

1.1 SUBMITTALS

- A. Action Submittals:
 - 1. Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.
 - 2. Product Data: Manufacturer's descriptive data and product attributes.
 - 3. Samples: [Selection samples.] [Verification samples.]

1.2 WARRANTY

- A. Manufacturer's one year warranty against defects in materials and workmanship.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by QuikServ Inc. 11441 Brittmoore Park Drive, Houston, TX 77041, Toll-Free: 800-388-8307, Tel: 713-849-5882, Fax: 713-849-5708, www.quikserv.com, email: sales@quikserv.com.
- B. Substitutions: [Refer to Division 01.] [Not permitted.]

2.2 PERFORMANCE REQUIREMENTS

- A. [Ballistics Performance: Installed bullet-resistant glazing shall withstand ballistic impact loads and forces without damage to the glazing beyond that allowed by referenced standards.]

2.3 MANUFACTURED UNITS, GENERAL

- A. Type: Extruded aluminum-framed, horizontal-sliding, manual-opening, self-closing, transaction window unit.

Units have a raised profile on the interior bottom frame to prevent intrusion by pushing sash inward and provide for rain water drainage to the exterior.

- 1. Track: Top-hung with no bottom track.
- 2. Slides: Stainless steel slide rail, ball bearing type.
- 3. Frame Depth: 4-1/2 inches, unless otherwise indicated.

2.4 SELF-CLOSING WINDOWS

- A. Type: Self-closing transaction window unit.
 - 1. Product: [insert Quikserv model]
 - 2. Functionality: [Single] [Bi-Parting] [Double] [Security]

Anodized finishes are standard. Powder-coat paint finishes are optional. Consult manufacturer for available RAL colors and textures.

3. Finish: [Clear Anodized] [Bronze Anodized] [Steel] [Colored Anodized] [Custom Paint]
4. Glazing: [Tempered] [Insulated] [Tinted] [Laminated] [Security]
5. Placement: [Flush mount] [Projected]
6. Actual Size (w x h): [insert size].

Contact Manufacturer for Custom Sizing

2.5 SELF-CLOSING, CALIFORNIA-APPROVED WINDOWS

The California Retail Food Code requires that windows must have a self-closing mechanism and provide a service opening that is no larger than 432 square inches when used in conjunction with an air curtain or 216 square inches without the use of an air curtain. Adjacent unit openings can not be closer together than 18 inches.

Air curtains are required in the following units.

- A. Type: Self-closing transaction window unit with limited size service opening and air curtain to comply with the California Retail Food Code.
 1. Product: Model [insert model]
 2. Actual Size (w x h): [insert size]
 3. Functionality: [Single] [Bi-Parting] [Double] [Security]
 4. Finish: [Clear Anodized] [Bronze Anodized] [Steel] [Colored Anodized] [Custom Paint]
 5. Glazing: [Tempered] [Insulated] [Tinted] [Laminated] [Security]
 6. Service Opening Area: [216 sq in] [432 sq. in.]
 7. Accessories: [Air Curtain] [Panel] [Insect screen]

Contact Manufacturer for Custom Sizing

2.6 HARDWARE

- A. Hardware:
 1. Latch: Manufacturer's standard spring latch with manual pull and thumb release which automatically locks on closing.
 2. [Hook-Lock: Maximum security Adams Rite style hook lock with interior thumb-turn.]

Below is an optional item. Retain if desired.

3. [Night Security Lock Bar: Extruded aluminum bar sized to fit track to prevent sliding sash from moving.]

2.7 ACCESSORIES

- A. Shelf: Stainless steel with folded edges[, complete with matching shroud].
 1. Shelf Size: [insert dimensions].
- B. Air Curtain: ETL listed high volume, high velocity air stream blower [with built-in heater] designed to mount above window to keep indoor air in and to keep insects, fumes, dust, odors, and other contaminants out.
 1. Performance: Air volume and velocity adjustable with control knob to maximum 645 CFM air volume at 2100 FPM velocity.
 2. [Non-Heated Blower Motor Characteristics: Single phase, 120 V, 3.4 A]

Below is an optional item. Retain if desired.

3. [Relay to sync operation of air curtain with window opening and closing.]
 - a. Product: Model QSK1025AA-BK.]
4. [Heated Blower Motor Characteristics: Single phase, 208/240 V, 16.1/18.4]

Below is an optional item. Retain if desired.

5. [Relay to sync operation of air curtain with window opening and closing.]
 - a. Product: Model QSV1025EJ-040-BK.]
6. Finish: Manufacturer's standard powder coating, black color.

2.8 GLAZING

Retain glazing types below to suit Project.

A. Glass:

Tempered glass is standard. Tinted glass is available.

1. Tempered Glass: ASTM C1048; Type I; Quality-Q3; Kind FT; [Class 1 clear.] [Class 2 tinted].

Consult manufacturer for available tints and fill in blank below to indicate selected tint color.

- a. Tint Color: [].
2. Insulating-Glass Units: Factory-assembled units, qualified according to ASTM E2190.

Consult manufacturer for other insulating glass unit options available such as Low-E coatings, tints, etc.

- a. Outer Lite: 4 mm (5/32 inch) clear fully tempered.
- b. Interstitial Space: 5/16 inch (7.5 mm) air.
- c. Inner Lite: 4 mm (5/32 inch) clear fully tempered.

Retain glass above or bullet resistant glazing below to suit glass type selected for Project.

**** OR ****

3. Bullet Resistant Glazing: Pass UL 752 Level [1] [2] [3]

Retain desired subparagraph below. Abrasion resistant surface coating below is optional for Levels 1 and 2; standard for Level 3.

- d. Level 1 Form: [Laminated polycarbonate/acrylic/polycarbonate] [Acrylic sheet] [Glass-clad polycarbonate per ASTM C1349] [All-Glass]
- e. Level 2 Form: [Laminated polycarbonate/acrylic/polycarbonate] [Acrylic sheet] [Glass-clad polycarbonate per ASTM C1349] [All-Glass]
- f. Level 3 Form: [Laminated multi-ply polycarbonate] [Acrylic sheet] [Glass-clad polycarbonate per ASTM C1349] [All-Glass].

2.9 MATERIALS

- A. Extruded Aluminum: ASTM B 221; alloy and temper recommended by manufacturer for type of use and finish indicated
- B. Stainless Steel: ASTM A240, Type 304.

2.10 FINISHES

Anodized finish is standard. Retain below for anodized finish. Consult manufacturer for available tints.

- A. Anodized Aluminum Finish: AAMA 611, Architectural Class II anodized, [clear.] [dark bronze.] [].

**** OR ****

Powder coat finish is optional. Retain below for a baked enamel coating system. Consult manufacturer for available colors.

- B. Pigmented Organic Aluminum Finish: AAMA 2603 thermosetting polyester/epoxy powder coating, [stock color to be selected from manufacturer's full color range.] [custom color as directed.]
- C. Stainless Steel Finish: No. 4 satin brushed.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved Shop Drawings.

END OF SECTION