



SECTION 08 56 19.05 - VERTICAL-ACTING 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. Structural Performance Requirements: Provide vertical-acting service windows, including anchorages, capable of withstanding, without failure, the effects of gravity loads and the following loads and stresses within limits and under conditions indicated, determined per the following code requirements:
1. Design Wind Loads: [As indicated on Drawings.] [____.]
- B. [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

- A. Type: Aluminum-framed, vertical-lift, [manual-][automatic-]opening, self-closing, single-hung transom window unit.
1. Product: Model [SUI-200 Manual] [SUI-100 Automatic].
 2. Actual Size (w x h): 24 inches wide by 48 inches high.

Contact Manufacturer for Custom Sizing

3. Operating Mechanism: Belt and counterweight system.

Contact Manufacturer for bullet-resistant glazing availability if required.

4. Glazing: [Single-pane [clear] [tinted] tempered glass.] [Insulating unit with [clear] [tinted] tempered glass.] [Level 1 Bullet Resistant.]

- a. Glazing Thickness: [1/4 inch] [1 inch]

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

- 5. Finish: [Clear anodized.] [Dark bronze anodized.] [Factory powder-coated in [] color.]

B. Hardware:

- 1. [Manual Operation: Manufacturer's standard lift handle. Unit remains open while in use until closed. Unit equipped with manufacturer's patented logic lock which, when activated, engages a plunger lock to secure the window.]

**** OR ****

- 2. [Automatic Operation: Manufacturer's standard proximity sensor in the head of the unit which detects the presence of the user, automatically opens the window, and automatically closes the window when user is no longer detected. Unit equipped with manufacturer's patented logic lock which may be set to any of the following Operation Modes:
 - a. Standard: Allows the 'hands-free' operation of the window via the proximity sensor.
 - b. Peak Period: Opens the window and keeps it open until this mode is disengaged.
 - c. Night Latch: Disengages the proximity sensor and engages a plunger lock to secure the window.]

Retain paragraph and subparagraphs above for motion-sensor window operation. Retain paragraph and subparagraphs below for push-button window operation.

2.4 ACCESSORIES

Below is an optional item. Retain if desired.

- A. Shelf: Stainless steel with folded edges[, complete with matching shroud].

This window comes standard with a 1-3/4 inch tube sill. As a custom option a stainless steel shelf base which is 2-3/4 inches tall and extends to depth of choice to interior and/or exterior of window. If retaining custom shelf size delete "Product: Model" subparagraph following.

- 1. Shelf Size: [46 inches wide x 12 inches deep x 6-1/2 inches tall] [36 inches wide x 6-7/8 inches deep x 8-7/8 inches tall] [16 inches wide x 6-7/8 inches deep x 8-7/8 inches tall] []].

Model numbers below correspond to three size options above in same order.

- 2. Product: Model [QSS-4612] [QS-36] [QSS-916].

- 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.

Note: The air curtain will not be attached to the window unit.

- 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
 - a. Product: Model QSK1025AA-BK.]
- 3. [Heated Blower Motor Characteristics: Single phase, 208/240 V, 16.1/18.4 A
 - a. Product: Model QSV1025EJ-040-BK.]
- 4. Finish: Manufacturer's standard powder coating, black color.

2.5 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: .

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

**** OR ****

2. 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.

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

2.6 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.

2.7 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