STERGIS- WINDGATE NEW CONSTRUCTION- Welded Slider

Architect's Specifications

General: Manufactured by Stergis Windows and Doors, Attleboro, Ma 02703 508.455.0661 www.stergis.com

Operation: The sliding window shall be of two track design and have two operating sash. In the closed position, sashes shall interlock to provide a full height weatherseal. Cam-type locks shall be used to secure sash. Both sash shall lift out for easy cleaning. Half screen shall be standard and located on the outside channel.

Materials: All vinyl extrusions shall be rigid, 100% virgin PVC. Main frame jambs shall have a nominal wall thickness of .065" and include four tubular hollows. Sash profiles shall have a nominal wall thickness of .065" and contain three tubular hollows. Sash profiles shall have four non-rigid PVC glazing legs in the glazing pocket.

Frame Construction: The frame is fabricated with a Nailing fin and integral J channel for new construction. The frame and the head and sill will be miter cut and fusion welded with a minimum melt off of 5mm. The frame sill shall contain two sash track inserts and a screen track on the exterior. Frame minimum wall thickness shall be .065". Frame depth shall be 3 1/4". An extension jamb will be used to fill the wall depth for 4 9/16" or 6 9/16" .

Sash Construction: Sash frame shall be miter cut and fastened with an injection molded corner key. Each sash shall have an integral pull rail which will be the full height of sash. Lock and keeper shall be applied to vertical center rails. Two ball bearing rollers per sash shall be recessed into bottom rail. Sash interlock shall be slide type providing a tight weatherseal. Reinforcing shall be installed at the sash meeting rails. Heights 48 1/4" to 60" shall have reinforcing installed in all sash heights. Two-lite units over 72 " wide or greater or three lite units 108 1/4" or greater shall have reinforcing installed in all sash widths.

Available Finishes: Shall be solid vinyl throughout in white or almond.

Screen Construction: Full-screen standard. Frame shall be of hollow extruded design with a .055" wall thickness. Wire cloth shall be 18x16 mesh non-glare charcoal finished aluminum. Corners will be staked with die cast corners.

Glazing: Insulating glass shall have an overall thickness of 3/4" and a minimum 1/2" air space inside dimension. Standard glass shall be single strength 2.5mm and double strength 3.0 domestic type B float glass. Dura Seal Warm Edge glass spacer will be used to form a continous hermetic seal around the insulated unit to encapsulate the air space. All glass lites will be installed via **CBA and SIGMA standards** in accordance with ASTM E773 and E774. Methods to include proper drainage, oval staggered weep system, and setting blocks with appropriate blocking.

Weatherstripping: Shall be full perimeter, double fin-type weatherseal on sash. The meeting rail shall be a triple seal interlock, consisting of one piece fin type weatherseal on each rail and one bulb type seal the full height of the interlock.

Hardware: Rollers on bottom of sash to be ball bearing in injection molded housings. Sash locks shall be cam-type and finished to match the vinyl extrusion color.

Options: Grids-- Standard, colonial, and diamond aluminum in-glass grids are available. Glazing--obscure, Low-E, Argon-filled Low-E, tinted, triple glazing, double strength, tempered, and Activ Glass are available. Field mulled units, stud pocket, oriel windows, transoms, custom shapes and full screens are available. A steep slope sill expander can be used when there are sills with drops over 3/4". Frame is available with molded nailing fin, molded fin with J channel, and extension jambs for 4 9/16" or 6 9/16" wall thickness. Flat casing, 2-1/2" Brickmold and 4" Exterior casing are available.