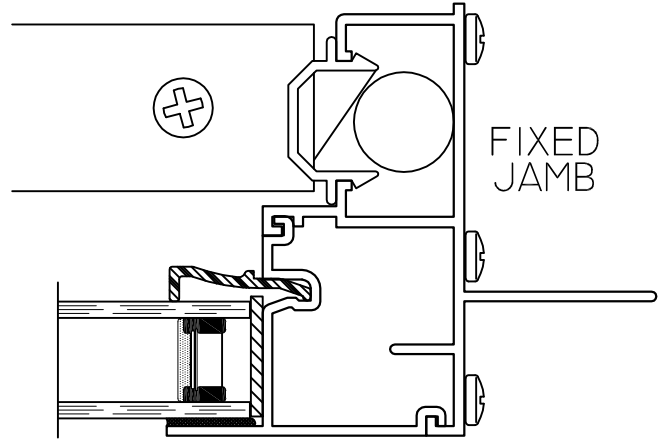
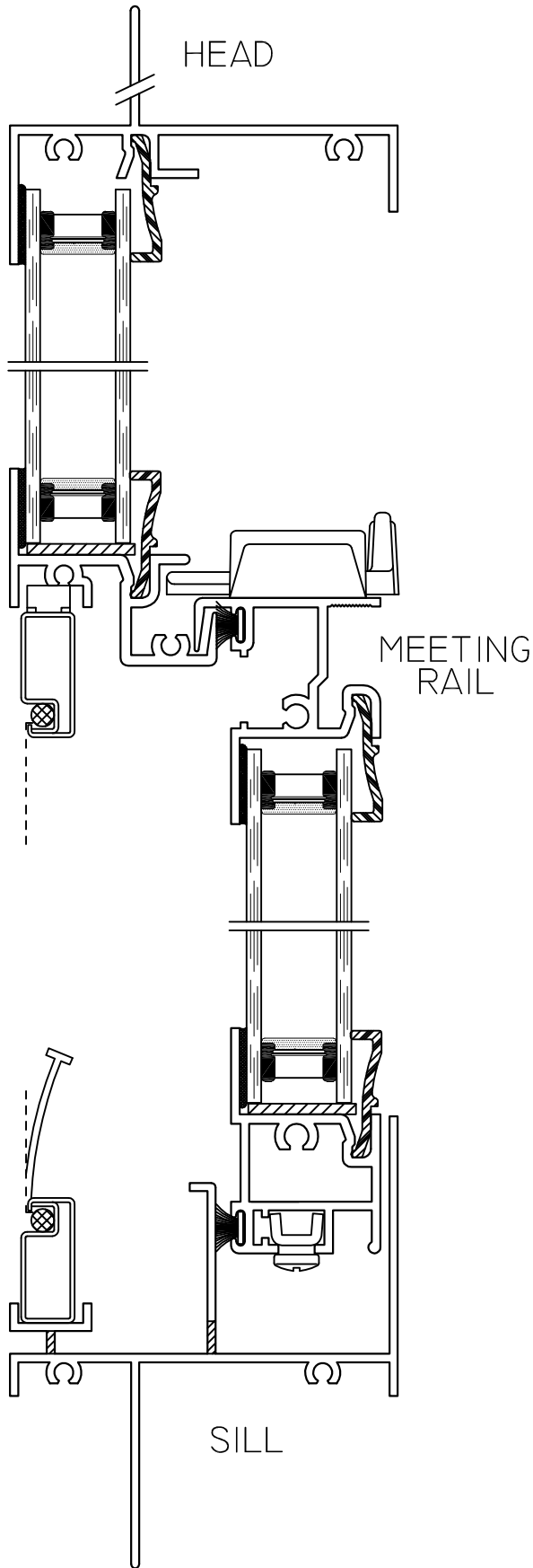
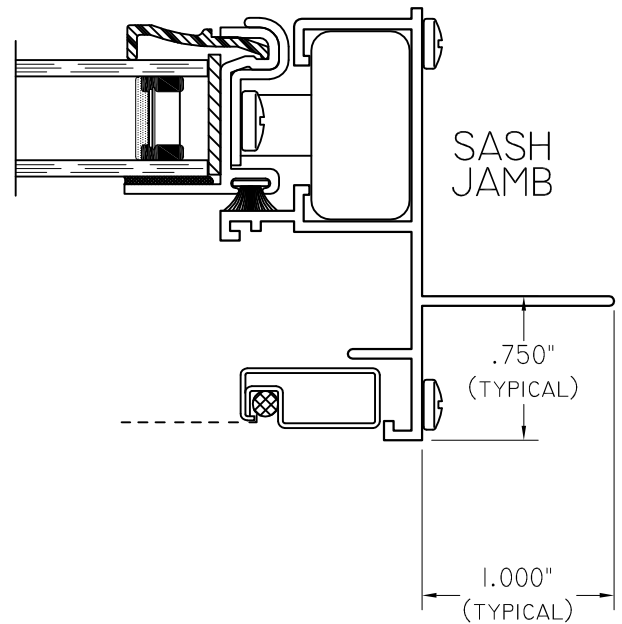


## 225 SINGLE HUNG



3/8"Ø MOUNTING HOLES @ 2" FROM EACH END & APPROX. 4" ON-CENTER



# WinTech Aluminum *Non Thermal* Modular Office Window Specifications

The **WinTech Series M225** is a 2 ¼" aluminum window family of horizontal slider, single hung (vertical slide) and fixed windows designed specifically for modular office applications. A continuous, integral nail fin with factory punched mounting holes simplifies installation and sealing. Both insulated glass and single glazing options are available. Extremely narrow metal site lines maximize the glass day lite opening and sash ventilation.

## SECTION 08520 ALUMINUM WINDOWS

### PART 1 - GENERAL

#### 1.01 Work Included

A. Furnish and install aluminum windows complete with hardware, fins and related components as shown on drawings and/or specified in this section.

B. All windows shall be **WinTech Series 225** (state configuration: horizontal slider, single hung or fixed).

C. Glass and Glazing: All windows shall be factory glazed.

#### 1.02 Testing and Performance

A. Air, water and structural test unit sizes and configurations shall be in general conformance to requirements set forth in ANSI/AAMA 101/I.S.2/A440-05.

B. Windows shall conform to HS-C30 (horizontal slider) and SH-LC25 (single hung).

#### 1.03 Quality Assurance

A. Provide test reports from AAMA accredited laboratory certifying the performance as specified in 1.02.

B. Windows shall bear the AAMA certification label.

#### 1.04 Submittals

A. Window manufacturer shall submit section details, finish sample, test reports and warranties as required.

#### 1.05 Warranty

A. The window manufacturer shall assume full responsibility and warrant for one (1) year (five [5] years for insulated glass seal only) the satisfactory performance of the factory fabricated window unit including sash operation, hardware and glazing as it relates to air, water and structural integrity.

B. The modular office factory shall be responsible for the window anchorage, flashing and sealing.

## PART 2 - PRODUCTS

### 2.01 Materials

A. Extruded aluminum shall be 6063-T5 alloy and temper.

B. Hardware

1. All windows shall have an injection molded sweep latch which mechanically retains the frame meeting rail. Spring loaded plunger latches shall not be permitted. The sweep shall lock into an extruded pocket in the frame meeting rail -

applied lock keepers shall not be permitted.

2. Horizontal slider roller system shall consist of an injection molded nylon housing with brass tire on a stainless steel axle. Nylon or one piece brass roller/axle assemblies shall not be permitted. Rollers shall ride on a raised track in the sill extrusion.

3. Single hung window shall be tilt sash type using two surface mounted tilt latches on the top of each sash and one pair of spiral balances. Window sash balances shall be field adjustable.

C. Weatherstrip

1. Horizontal slider and single hung shall be weather stripped with medium density polypropylene pile with mylar fin.

D. Glass and Glazing

1. Glass shall be SSB (2.5mm) or DSB (3mm) clear, bronze/gray tinted, obscure and/or tempered as required.

2. Insulated glass shall have an "A" level rating with a five (5) year warranty against seal failure. Insulated glass sealant shall be the DuraSeal high performance butyl single seal system. Glass unit overall thickness shall not be less than 5/8".

### 2.02 Fabrication

A. General

1. Head, sill and jamb frame extrusions shall have an integral aluminum nail fin with factory punched 3/16" diameter mounting holes.

2. Depth of frame shall not be less than 2 ¼". Horizontal slider and single hung sash shall not be less than 7/8".

3. All aluminum frame and sash extrusions shall have a minimum wall thickness of not less than .055".

B. Frame

1. Window frame components shall be square cut and mechanically fastened with zinc plated sheet metal screws in extruded aluminum ports.

2. Closed cell foam gaskets shall be used on all four frame corners of all window types to seal against air and water penetration. The use of small joint sealant alone shall not be permitted.

C. Sash

1. Sash shall be square cut and mechanically fastened with zinc plated sheet metal screws. A telescoping corner design shall be incorporated into the sash to provide rigid corner construction.

2. No pull handle or rail of any sort shall protrude beyond the interior plane of the window.

D. Screens

1. Frames shall be mill or painted, roll-form aluminum. Mesh shall be 18x16 fiberglass.

2. Two leaf springs shall secure the screen. Plungers, clips or screws retaining

the screen shall not be visible from the exterior or interior. Two (2) nylon pulls per screen shall be provided to aid in screen removal and installation.

3. The screen shall be retained entirely within the 2 ¼" frame dimension and not protrude beyond the exterior of the window plane.

E. Glazing

1. All glass shall be inside glazed and have a minimum glazing rabbet of 3/8". No outside glazed frame or sash using glazing stops removable from the exterior shall be permitted.

2. Horizontal slider and single hung glass sizes (both fixed and operating) shall be the same to simplify field reglazing and equal the glass day lite openings.

3. Fixed lites shall be tempered glass as required to assure compliance with safety glazing codes.

4. All glass lites shall be glazed with a neutral cure liquid silicone back bedding compound. Use of tape glazing is prohibited

F. Finish (specify mill or painted)

1. Paint: All exposed areas of aluminum windows and fins shall be painted with baked enamel which meets or exceeds AAMA 603.8. Bronze and white standard paint colors are available. Custom color paint shall also be available.

## PART 3 - EXECUTION

### 3.01 Plumb and align windows.

Adequately anchor to modular office framing to maintain position permanently when subjected to normal thermal and building movement and specified window loads.

3.02 Adjust windows for proper operation after installation.

3.03 Furnish and apply sealants to provide a weather tight installation at all joints and intersections. Wipe off excess material and leave all exposed surfaces and joints clean and smooth.