

# TORRANCE ALUMINUM

2/20/09

SERIES 7200 SLIDING STORM DOOR

Page 1 of 2

## A RECOMMENDED SPECIFICATION

Section 08525 – Sliding Aluminum Glass Doors

### **PART 1: GENERAL**

#### **1.01 WORK INCLUDED**

- A. The conditions of the contract and applicable sections of division 1 hereby form a part of this section. Provide all labor, materials, tools, equipment and services to furnish and install sliding aluminum storm doors and related components as shown on drawings and specified herein.

#### **1.03 SUBMITTALS**

- A. Shop Drawings/ Samples
1. Shop drawings complete and full scale where practical showing construction and components, dimensions and details.
  2. Samples of anodized aluminum finishes shall be submitted on 6" sections of aluminum as required.
  3. Samples of painted aluminum finishes shall be submitted on manufacturer's standard paint chips.

#### **1.04 WARRANTY**

- A. Aluminum doors and related materials: One year warranty on materials and workmanship.  
B. Glass: One year warranty

### **PART 2: PRODUCTS**

#### **2.01 QUALITY ASSURANCE**

- A. Products of Torrance Aluminum, Perris, CA, (951) 943-0430 are approved for use.  
B. Other manufacturers desiring approval to bid must furnish certified test reports indicating full compliance with section 1.03, Paragraphs A, B & C and all other requirements of this specification 30 days prior to bid date.  
C. Manufacturers shall have been engaged in the manufacture of aluminum sliding doors of monumental grade not less than 10 years.

#### **2.02 MATERIALS**

- A. Aluminum sliding storm doors and Components
1. Extruded aluminum prime billet 6063T5, aluminum sheet 5005H34.
  2. Minimum principal window member wall thickness shall be .062".
  3. Minimum frame depth front to back shall be 2 7/8".
- B. Hardware-General
1. All steel components 300 series stainless steel.
  2. All aluminum components shall be 6063T5 (T6).

#### **2.03 FABRICATION**

- A. General
1. Design frame and panel members as complete units under responsibility of one manufacturer. Corners of "KD" frames to be securely fastened in the field with two screws per corner into screw ports for the strongest and most watertight joint. Frame interlocks contain polypropylene pile with center fin seal for continual vertical weather protection. Interlocks wedge to each other to create a structural mullion. Panels with glass units to be shop assembled and sealed watertight.
- B. Hardware
1. Sliding panels are equipped with Adams Rite flush lockset & hardened steel, keyed mortise lock. Sliding panels are equipped with 1¼" diameter tandem ball bearing rollers engaging a stainless steel track.
- C. Weatherstripping
1. Panels and interlocks use a weather pile with polypropylene centered fin for maximum weather tightness. The weather pile is positioned on opposite sides of each panel perimeter member, and extends the full length of each member meeting at the miter joint to form a continual weather seal.

# TORRANCE ALUMINUM

2/20/09

SERIES 7200 SLIDING STORM DOOR

Page 2 of 2

## D. Finish

1. Finish of all exposed areas of aluminum windows and components shall be (choose from below) done in accord with the appropriate AAMA Voluntary Guide Specification shown.

### ANODIZED FINISHES

AA M12C22 A31	Clear	.4 Mil, Class II
AA M12C22 A34	Medium Bronze	.4 Mil, Class II
AA M12C22 A34	Dark Bronze	.4 Mil, Class II
AA M12C22 A41	Clear	.7 Mil, Class I
AA M12C22 A44	Medium Bronze	.7 Mil, Class I
AA M12C22 A44	Dark Bronze	.7 Mil, Class I
AA M12C22 A44	Black	.7 Mil, Class I

### PAINTED FINISHES

Kynar 500, Electrostatically applied with a minimum of 70% Fluoropolymer Resin, Class I

Color as selected by the Architect from manufacturer's standard colors. Special colors are available.

For detailed specifications and other surface treatments and finishes, contact Torrance Aluminum Window Co.

## PART 3: EXECUTION

### 3.01 ERECTION

- A. Install square, plumb and in true alignment and in accord with details and reviewed shop drawings. Surfaces free from dents, buckles, dimples, or other defects.
- B. Anchor frames and other items securely to continuous construction to result in a rigid installation and in accord with Required safety factors. Where anchorage involves other work, provide setting drawings for proper installation.
- C. Seal metal to metal joints to prevent entrance of water except at points where frame members are designed to drain water to the exterior.
- D. At juncture between frames and adjacent materials, seal entire perimeter on both sides. Use sealant and backing Materials as specified in section 07900-Sealants.
- E. Protection of contact surfaces: Protect aluminum surfaces in contact with dissimilar metals or with incompatible Materials such as, concrete and cementitious materials, by painting contact surfaces with bituminous paint before installation or isolate with non-absorptive tape or gaskets.
- F. Expansion and contraction: Install aluminum work so as to avoid objectionable distortion or overstress of parts and Fastenings resulting from thermal expansion and contraction.

### 3.02 PROTECTION AND CLEANING

- A. After installation, clean metal and glass surfaces, on both interior and exterior, of all mortar, paint and other contaminants. Use no abrasives. Use mild soap and water.
- B. After cleaning, protect all work against damage until date of Substantial Completion.