

## **SECTION 14 27 16**

### **CUSTOM ELEVATOR DOORS**

#### **Part 1 GENERAL**

##### 1.1 Summary

- A. Section Includes: Stainless steel elevator door skins with stainless steel returns.
- B. Related Sections:
  - 1. 14 27 00 – Elevator Cab Interior Systems.
  - 2. 05 70 10 – Decorative Stainless Steel Facing.

##### 1.2 References

- A. ASTM E84 – Surface Burning Characteristics of Building Materials.
- B. ASME A17.1 – Safety Code for Elevators and Escalators.
- C. CBC 2007 – California Building Code

##### 1.3 Submittals

- A. Provide submittals in accordance with Section 01 33 00 – Submittal Procedures.
- B. Submit manufacturer's shop drawings, installation drawings, installation instructions and maintenance instructions.
- C. Submit environmental impact data for all materials.
- D. Submit samples no less than 4" x 4" for all specified material finishes.
- E. Manufacturer information:
  - 1. Provide overview literature describing manufacturer's overall scope of products and manufacturing capabilities.
  - 2. Provide URL for manufacturer's website; website must provide access to technical data, images and general product information.

##### 1.4 Quality Assurance

- A. Manufacturer Qualifications
  - 1. Minimum 10 years experience in the manufacture of architectural surface materials.
  - 2. Minimum 10 years experience in the fabrication of elevator door skins.
  - 3. Provide reference list of at least 10 public space projects currently using doors fabricated by the manufacturer.
- B. Installer Qualifications
  - 1. Minimum three years experience in the installation of elevator door skins.

##### 1.5 Delivery, Storage and Handling

- A. Deliver materials to installation site in manufacturer's original packaging. Handle products in accordance with manufacturer's instructions. Store in dry, secure location, protected against direct sunlight and excessive heat. Protect finished surfaces with strippable film.

## 1.6 Warranty

### A. Provide manufacturer's standard warranty.

1. Warranty terms: one year against defects in materials and workmanship.

## Part 2 PRODUCT

### 2.1 Manufacturer

#### A. Provide Impression Elevator Door Skins by Forms+Surfaces,

Forms+Surfaces  
30 Pine Street  
Pittsburgh, PA 15223  
phone: 800-451-0410

fax: 412-781-7840

email: sales@forms-surfaces.com

website: www.forms-surfaces.com

### 2.2 Door Skin Type

#### A. General

1. Provide elevator door skin faces with decorative designs applied by pressing designs into metal.

#### B. Decorative Face Material and Finish

##### 1. Stainless Steel Eco-Etch Door Skins

- a. Material: Stainless Steel
- b. Finish: Forms+Surfaces Sandstone, Seastone, Linen, Diamond, Mist, Ice, Mirror, Satin (choose one)
- c. Pattern: Forms+Surfaces Champagne PRE101H, Dallas PRE102H, Denver PRE106H, Kalahari PRE103H, Circle EMB401H, Square EMB402H, Teardrop EMB403H, Tech EMB404H, none (choose one)
- d. Fire rating: Stainless Steel is inherently non-combustible and generally considered to be NFPA and IBC Class A fire rated and UBC Class 1 fire rated.

##### 2. Fused Metal® Door Skins

- a. Forms+Surfaces Fused Bronze, Fused Graphite, Fused Nickel Bronze, Fused Nickel Silver, Fused White Gold (choose one)
- b. Finish: Forms+Surfaces Sandstone, Seastone, Linen, Diamond, Mirror, Satin (choose one)
- c. Eco-Etch: Forms+Surfaces Champagne PRE101H, Dallas PRE102H, Denver PRE106H, Kalahari PRE103H, Circle EMB401H, Square EMB402H, Teardrop EMB403H, Tech EMB404H, none (choose one)
- d. Fire rating: Architectural Metals are inherently non-combustible and generally considered to be NFPA and IBC Class A fire rated and UBC Class 1 fire rated.

### 2.3. Door Opening Style

#### A. Doors opening from Center, Right Side, Left Side (choose one)

4. Edge Detail

- A. Return shape left door side 1: "L" shaped return, "J" shaped return, no return (choose one)
- B. Return shape left door side 2: "L" shaped return, "J" shaped return, no return (choose one)
- C. Return shape right door side 1: "L" shaped return, "J" shaped return, no return (choose one)
- D. Return shape right door side 2: "L" shaped return, "J" shaped return, no return (choose one)

**Part 3 EXECUTION**

1. Examination

- A. Verify that dimensions are correct and project conditions are suitable for installation. Do not proceed with installation until unsatisfactory conditions have been corrected.

2. Installation

- A. Install doors and frames in accordance with manufacturer's instructions, referenced standards and approved drawings.
- B. Locate, assemble, and brace frames prior to construction of adjacent walls and partitions.
  - 1. Provide temporary supports and remove only after anchoring frames to permanent construction.
- C. Ensure that doors and frames are installed plumb and true, free of warp or twist, within tolerances specified in referenced standards and approved drawings.
- D. For fire-rated doors, verify that appropriate fire-rating labels are correctly applied to doors and frames per referenced standards, Contract Documents, approved drawings and applicable UL procedures.

3. Adjust and Clean

- A. Test and verify correct operation of doors and related hardware. Adjust as needed.
- B. Clean doors and frames in accordance with manufacturer's instructions.