

SECTION 14 27 16

CUSTOM ELEVATOR DOORS

Part 1 GENERAL

1.1 Summary

- A. Section Includes: Bonded Metal composite elevator door skins with stainless steel returns.
- B. Related Sections:
 - 1. 14 27 00 – Elevator Cab Interior Systems.

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 Bonded Metal 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 Type

A. General

1. Provide door faces with metal finishes.

B. Decorative Face Material and Finish

1. Bonded Metal Door Skins

- a. Material: Forms+Surfaces **Bonded Aluminum, Bonded Bronze, Bonded Nickel Silver (choose one)**
- b. Pattern: **Austin, Champagne, Chardonnay, Dash, Glint, Grass, Herringbone, Loft, Rain, Talus, Terrane, Tilt, Trevia, Undercurrent, Vancouver, Waterfall (choose one)**
- c. Patina: **Natural or Dark (choose one)**

2.3. Door Opening Style

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

4. Edge Detail

A. Return Material

a. **Stainless Steel Return**

- a. Finish: **Sandstone, Seastone, Linen, Satin, Mirror (choose one)**

2. **Fused Metal Return**

- a. Fused Metal: **Fused Bronze, Fused Graphite, Fused Nickel Silver, Fused White Gold (choose one)**
- b. Finish: **Sandstone, Seastone, Linen, Satin, Mirror (choose one)**

B. Return shape for left door, side 1: **"L" shaped return, "U" shaped return (choose one)**

C. Return shape for left door, side 2: **"L" shaped return, "U" shaped return (choose one)**

D. Return shape for right door, side 1: **"L" shaped return, "U" shaped return (choose one)**

E. Return shape for right door, side 2: **"L" shaped return, "U" shaped 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. Adjust as needed.

B. Clean doors and frames in accordance with manufacturer's instructions.