

SECTION 14 27 16

CUSTOM ELEVATOR DOORS

Part 1 GENERAL

1.1 Summary

- A. Section Includes: Stainless steel elevator door skins with bead-blast etched decorative faces, 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 elevator door skins 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 Eco-Etch Elevator Door Skins by Forms+Surfaces,
Forms+Surfaces
30 Pine Street
Pittsburgh, PA 15223
phone: 800-451-0410

fax: 412-385-4715

email: sales@forms-surfaces.com

website: www.forms-surfaces.com

2.2 Door Skin Type

- A. General
 1. Provide elevator door faces with decorative designs applied by means of photolithographic bead-blast etching. Chemically etched designs not permitted.
- B. Decorative Face Material and Finish
 1. Stainless Steel
 - a. Material: Stainless Steel
 - b. Finish: **Seastone, Mirror, Satin (choose one)**
 - c. Eco-Etch: **City Lights, Current, Dash, Flicker, Glacier, Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace, ECO202H, ECO204H, ECO205H, ECO208H (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

- a. Material: Fused Bronze, Fused Graphite, Fused Nickel Bronze, Fused Nickel Silver, Fused White Gold (choose one)
- b. Finish: Seastone, Mirror, Satin (choose one)
- c. Eco-Etch: City Lights, Current, Dash, Flicker, Glacier, Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace, ECO202H, ECO204H, ECO205H, ECO208H (choose one)
- d. Fire rating: Fused Metal is 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. Inspect material to ensure that no damage has occurred prior to installation.

2. Preparation

- A. Protect adjoining finishes, fixtures and equipment from damage caused by work performed in this Section.

3. Installation

- A. Install material according to architect's drawings.
- B. Install material using construction grade adhesive applied according to adhesive manufacturer's instructions.
- C. Ensure that installation complies with all applicable local building codes.

4. Cleaning and Protection

- A. Remove strippable film. Clean exposed surfaces in accordance with manufacturer's instructions.
- B. Protect exposed surfaces from damage by substrate construction.