

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: 412-781-7840

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 Eco-Etch Door Skins

- a. Material: Stainless Steel
- b. Finish: Forms+Surfaces **Seastone, Mirror, Satin (choose one)**
- c. Eco-Etch: Forms+Surfaces **City Lights, Current, Dash, Flicker, Glacier, Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace, ECO202H, ECO204H, ECO205H, ECO208H (choose one)**

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 **Seastone, Mirror, Satin (choose one)**
- c. Eco-Etch: Forms+Surfaces **City Lights, Current, Dash, Flicker, Glacier, Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace, ECO202H, ECO204H, ECO205H, ECO208H (choose one)**

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

3.1 Examination

- A. Examine substrates, areas, and conditions, for compliance with requirements for installation tolerances and other conditions affecting performance of stainless steel doors and frames.
2. Installation
- A. Set door skin plumb, square, level, true, and at correct elevation.
 - B. Secure anchorages and connections to adjacent construction.
 - C. Install doors in frames in accordance with manufacturer's instructions and industry standards.
 - D. Remove protective films from all surfaces after installation.
 - E. Thoroughly clean with cleaner and cloths provided, repeat at regular periodic intervals to maintain corrosion resistant properties of the stainless steel.
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.