**SECTION 14 27 16**

**CUSTOM ELEVATOR DOORS**

1. GENERAL
	1. Summary
		1. Section Includes: Stainless steel elevator door skins with stainless steel returns.
		2. Related Sections:
			1. 14 27 00 – Elevator Cab Interior Systems.
			2. 05 70 10 – Decorative Stainless Steel Facing.
	2. References
		1. ASTM E84 – Surface Burning Characteristics of Building Materials.
		2. ASME A17.1 – Safety Code for Elevators and Escalators.
		3. CBC 2007 – California Building Code
	3. Submittals
		1. Provide submittals in accordance with Section 01 33 00 – Submittal Procedures.
		2. Submit manufacturer’s shop drawings, installation drawings, installation instructions and maintenance instructions.
		3. Submit environmental impact data for all materials.
		4. Submit samples no less than 4" x 4" for all specified material finishes.
		5. 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.
	4. Quality Assuranc
		1. 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.
		2. Installer Qualification
			1. Minimum three years experience in the installation of elevator door skins.
	5. Delivery, Storage and Handling
		1. 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.
	6. Warranty
		1. Provide manufacturer’s standard warranty.
			1. Warranty terms: one year against defects in materials and workmanship.
2. PRODUCT
	1. Manufacturer
		1. Forms+Surfaces
		1901 William Flynn Highway
		Glenshaw, PA 15116
		Phone: 800-451-0410
		Fax: 412-385-3715
		Email: sales@forms-surfaces.com
		Website: [www.forms-surfaces.com](http://www.forms-surfaces.com)
	2. Door Skin Type
		1. General
			1. Provide elevator door skin faces with metal finishes.
		2. Decorative Face Material and Finish
			1. Stainless Steel
				1. Material: Stainless Steel
				2. Finish: Sandstone, Seastone, Linen, Diamond, Mist, Mirror, Satin (choose one)
				3. Impression Pattern: Champagne PRE101H, Dallas PRE102H, Denver PRE106H, Kalahari PRE103H, Circle EMB401H, Square EMB402H, Teardrop EMB403H, Tech EMB404H, none (choose one)
				4. Eco-Etch Pattern: City Lights, Current, Dash, Flicker, Glacier, Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace, ECO202H, ECO204H, ECO205H, ECO208H (choose one)
				5. 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.
				6. Treatment: Provide Ceramiloc+™ treatment, an invisible, protective treatment that significantly increases the fingerprint resistance and maintenance ease of stainless steel. Patented technology molecularly bonds nano-silica particles to the surface of stainless steel.
			2. Fused Metal
				1. Material: Fused Bronze, Fused Graphite, Fused Nickel Bronze, Fused Nickel Silver, Fused White Gold (choose one)
				2. Finish: Sandstone, Seastone, Linen, Diamond, Mirror, Satin (choose one)
				3. Impression Pattern: Champagne PRE101H, Dallas PRE102H, Denver PRE106H, Kalahari PRE103H, Circle EMB401H, Square EMB402H, Teardrop EMB403H, Tech EMB404H, none (choose one)
				4. Eco-Etch Pattern: City Lights, Current, Dash, Flicker, Glacier, Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace, ECO202H, ECO204H, ECO205H, ECO208H (choose one)
				5. 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.
				6. Treatment: Provide Ceramiloc+™ treatment, an invisible, protective treatment that significantly increases the fingerprint resistance and maintenance ease of Fused Metal. Patented technology molecularly bonds nano-silica particles to the surface of Fused Metal.
	3. Door Opening Style
		1. Doors opening from: Center, Right Side, Left Side (choose one)
	4. Edge Detail
		1. Return shape left door side 1: “L” shaped return, “J” shaped return, no return (choose one)
		2. Return shape left door side 2: “L” shaped return, “J” shaped return, no return (choose one)
		3. Return shape right door side 1: “L” shaped return, “J” shaped return, no return (choose one)
		4. Return shape right door side 2: “L” shaped return, “J” shaped return, no return (choose one)
3. EXECUTION
	1. Examination
		1. Inspect material to ensure that no damage has occurred prior to installation.
	2. Preparation
		1. Protect adjoining finishes, fixtures and equipment from damage caused by work performed in this Section.
	3. Installation
		1. Install material according to architect’s drawings.
		2. Install material using construction grade adhesive applied according to adhesive manufacturer’s instructions.
		3. Ensure that installation complies with all applicable local building codes.
	4. Cleaning and Protection
		1. Remove strippable film. Clean exposed surfaces in accordance with manufacturer’s instructions.
		2. Protect exposed surfaces from damage by substrate construction.

END OF SECTION