**SECTION 09 70 00**

**WALL FINISHES**

1. GENERAL
	1. Summary
		1. Section Includes: Pre-engineered wall panel and clolumn system including wall panels, mounting extrusions, bases, corners, reveal fins, and perimeter fins. Wall panel system comes “ready to install” with materials required for a complete assembly. Installer must provide mounting hardware appropriate for substrate.
		2. Related Sections:
			1. Section 14 27 00 – Elevators
			2. Section 05 58 13 – Column Covers
	2. References
		1. ASTM E84 – Surface Burning Characteristics of Building Materials.
	3. Submittals
		1. Provide submittals in accordance with Section 01 30 50 – 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. Submit panel edge extrusion samples no less than 4" of specified finish.
		6. Submit mock-up of wall system no less than 12" x 12".
		7. 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 Assurance
		1. Manufacturer Qualifications
			1. Minimum 10 years experience in the manufacture of architectural surface materials.
			2. Minimum 10 years experience in the fabrication of wall systems.
			3. Provide reference list of at least 20 public space projects currently using walls fabricated by the manufacturer.
		2. Installer Qualifications
			1. Minimum three years experience in the installation of wall systems.
	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. Provide LEVELr Wall Panel & Column System by 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](http://www.forms-surfaces.com)
	2. Wall Panels
		1. General
			1. Provide engineered wall panel system with panels mounted to extruded aluminum cleats.
			2. Panel configuration: Forms+Surfaces’ LEVELr Wall Panel & Column System panels. See drawings for panel layout and reveal spacing.
			3. Provide panels in the finishes specified.
			4. Cleats are extruded aluminum. Aluminum is inherently non-combustible.
		2. Panel Materials
			1. Stainless Steel Panels
				1. Material: Stainless Steel.
				2. Finish: Sandstone, Seastone, Linen, Diamond, Mist, Mirror, Satin, (choose one)
				3. Impression Pattern: Champagne, Chardonnay, Dallas, Denver, Dune, Kalahari (choose one)
				4. Eco-Etch Pattern: City Lights, Current, Dash, Flicker, Glacier Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace (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. Substrate: fire-rated structural backer.
				7. 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 Panels
				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, Chardonnay, Dallas, Denver, Dune, Kalahari (chose one)
				4. Eco-Etch Pattern: City Lights, Current, Dash, Flicker, Glacier, Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace (choose one)
				5. Fire rating: Fused Metals are inherently non-combustible and generally considered to be NFPA and IBC Class A fire rated and UBC Class 1 fire rated.
				6. Substrate: fire-rated structural backer.
				7. 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. Bonded Metal Panels
				1. Material: Bonded Aluminum, Bonded Bronze, Bonded Nickel Silver (choose one)
				2. Pattern: Austin, Champagne, Chardonnay, Charleston, Dash, Delta, Glint, Grass, Herringbone, Kalahari, Loft, Mara, Rain, Sahara, Talus, Terrane, Tilt, Trevia, Vancouver, Undercurrent, Waterfall (choose one)
				3. Patina: Natural, Dark (choose one)
				4. Fire rating: NFP and IBC Class B fired rated and UBC class 2 fire rated
				5. Substrate: structural backer.
			4. Bonded Quartz Panels
				1. Material: Bonded White, Bonded Charcoal (choose one)
				2. Pattern: Carbon, Crinkle, Current, Dash, Dune, Glint, Grass, Herringbone, Kalahari, Loft, Mara, Sahara, Tilt, Trevia, Waterfall (choose one)
				3. Fire rating: NFP and IBC Class C fire rated and UBC class 3 fire rated
				4. Substrate: structural backer.
			5. Laminated Glass Panels
				1. Material: VividGlass: ViviChrome, ViviGraphix Graphica, ViviSpectra Spectrum, ViviSpectra VEKTR, ViviSpectra Zoom, ViviStone, ViviStrata, ViviTela Loom, ViviTela Mesh, ViviTela Shibori, Scribe Glass (choose one)
				2. Fire rating: VividGlass glass is Class A fire rated in accordance with ASTM designation E84-09, standard test method of surface burning characteristics of building materials. The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.
			6. Wood Veneer Panels
				1. Material: Champagne, Cherry, Ebony, Walnut, White Oak Plain, White Oak Rift (choose one)
			7. Aluminum Panels
				1. Material: Aluminum
		3. Base
			1. Stainless Steel Panels
				1. Material: Stainless Steel
				2. Finish: Bead-blasted, Sandstone, Seastone, Linen, Diamond, Mist, Mirror, Satin (choose one)
			2. Anodized Aluminum
				1. Material: Aluminum
				2. Finish: Black
			3. 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)
		4. Inside Corner
			1. Stainless Steel
				1. Material: Stainless Steel
				2. Finish: Bead-blasted
			2. Anodized Aluminum
				1. Material: Aluminum
				2. Finish: Black
		5. Outside Corner
			1. Stainless Steel
				1. Material: Stainless Steel
				2. Finish: Bead-blasted
			2. Anodized Aluminum
				1. Material: Aluminum
				2. Finish: Black­
			3. 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)
		6. Perimeter Fins and Reveal Fins
			1. Stainless Steel
				1. Material: Stainless Steel
				2. Finish: Bead-blasted
			2. Anodized Aluminum
				1. Material: Aluminum
				2. Finish: Black
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 of this Section.
	3. Installation
		1. Install material according to architect’s drawings.
		2. 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 subsequent construction.

END OF SECTION