**SECTION 09 70 00**

**WALL FINISHES**

1. GENERAL
	1. Summary
		1. Section Includes: Pre-engineered wall panel and column system including wall panels, mounting extrusions, bases and frame. Wall panel system comes “ready to install” with fasteners, adhesives, and other materials required for a complete assembly. Fasteners shall be concealed type. 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 web site; web site 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. 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. Wall Panels
		1. General
			1. Provide interlocking grid panel system with inset panels mounted to extruded aluminum frames on structural backer. The recommended substrate is 3/4" fire-rated OSB or plywood.
			2. Panel configuration: Forms+Surfaces LEVELe Wall Panel & Column System with Minimal, Capture, Blind or Float style panel frames. Refer to F+S product support documentation to verify inset material options available per panel style. See drawings for panel layout and reveal spacing
			3. Provide inset panels in the finishes specified.
			4. Weight per square foot: average 2.40 lbs to 3.04 lbs
			5. Frames are extruded aluminum. Aluminum is inherently non-combustible.
		2. Inset 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 (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: 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. 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. Linq Woven Metal Panels
				1. Material: Stainless Steel
				2. Pattern: Echo, Merge, Rhythm, Slope, Sum, Wave (choose one)
				3. Patina: Natural, Dark (choose one)
				4. Fire rating: Linq Woven Metal is inherently non-combustible and generally considered to be NFPA and IBC Class A fire rated and UBC Class I fire rated.
			4. Bonded Metal Panels
				1. Material: Bonded Aluminum, Bonded Bronze (choose one)
				2. Pattern: Austin, Charleston, Dash, Delta, Grass, Herringbone, Loft, Mara, Rain, Trevia, Vancouver, Undercurrent (choose one)
				3. Patina: Natural, Dark (choose one)
				4. Fire rating: Bonded Metal is NFPA and IBC Class B fired rated and UBC class 2 fire rated.
				5. Substrate: structural backer
			5. Bonded Quartz Panels
				1. Material: Bonded White, Bonded Charcoal (choose one)
				2. Pattern: Crinkle, Current, Dash, Grass, Herringbone, Loft, Mara, Trevia (choose one)
				3. Fire rating: Bonded Quartz is NFPA and IBC Class B fired rated and UBC class 2 fire rated.
				4. Substrate: structural backer
			6. Laminated Glass Panels
				1. Material: VividGlass: ViviChrome, ViviGraphix Gleam, ViviGraphix Graphica, ViviMuse Painterly, ViviMuse Shibori, ViviSpectra Spectrum, ViviSpectra VEKTR, ViviSpectra Zoom, ViviStone, ViviStrata, ViviTela Loom, ViviTela Mesh, Scribe Glass (choose one)
				2. Material: CastGlass: Chromis, Elements (choose one)
				3. 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.
			7. Illuminated Glass Panels
				1. Material: VividGlass: ViviChrome, ViviGraphix Gleam, ViviGraphix Graphica, ViviMuse Shibori, ViviSpectra Spectrum, ViviSpectra VEKTR, ViviSpectra Zoom, ViviStone, ViviStrata (choose one)
			8. Wood Veneer Panels
				1. Material: Champagne, Cherry, Ebony, Walnut, White Oak Plain, White Oak Rift (choose one)
			9. Aluminum Panels
				1. Material: Aluminum
		3. Base Materials
			1. Stainless Steel
				1. Material: Stainless Steel
				2. Finish: Sandstone, Seastone, Linen, Diamond, Mist, Mirror, Satin (choose one)
			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)
		4. Panel Frames
			1. Material: Extruded, anodized aluminum
			2. Finish: Clear, Black or Antique Bronze anodized (choose one)
		5. Corners and End Stops
			1. Material: Extruded, anodized aluminum
			2. Finish: Clear, Black or Antique Bronze anodized (choose one)
		6. Reveals
			1. Material: Surface applied colored reveal strip
			2. Finish: Black, Brushed Chrome, Polished Chrome (choose one)
3. EXECUTION
	1. Preparation
		1. Protect column finishes, fixtures and equipment from damage caused by work of this Section.
	2. Installation
		1. Install in accordance with column system manufacturer’s instructions.
	3. 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