



SECTION 14 27 00
CUSTOM ELEVATOR CABS

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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Elevator cab interior finish systems including the following:
 - 1. Wall Panel Systems:
 - a. Rear wall panels.
 - b. Side wall panels.
 - c. Return wall panels.
 - 2. Reveals:
 - a. Base reveals.
 - b. Corner reveals.
 - c. Flat reveals.
 - 3. Handrails.
 - 4. Bumper rails.
 - 5. Suspended ceilings.
 - 6. Ceiling lighting.
 - 7. Protective pads.

1.2 RELATED SECTIONS

- A. Section 09 60 00 - Flooring.
- B. Section 14 20 00 - Elevators.
- C. Section 26 05 00 - Common Work Results for Electrical.
- D. Section 26 50 00 - Lighting.

1.3 REFERENCES

- A. ASTM International (ASTM): ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Provide manufacturer's data sheets on each product to be used including descriptive brochures or detail drawings of cab interior components.
- C. Shop Drawings: Details of construction, including dimensional data, materials, finish, and positioning of all interior components. Include installation and maintenance instructions.
- D. Verification Samples: For each exposed finish product specified, two samples, minimum size 2-1/2 inches (63 mm) by 1-1/2 inches (38 mm) showing colors and finishes.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 10 years experience in manufacture of architectural

surface materials and fabrication of elevator cab interiors.

- B. Installer Qualifications: Minimum 3 years experience in the installation of elevator interiors.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to installation site in manufacturer's original packaging
- B. Handle products in accordance with manufacturer's instructions. Store in dry, secure location, protected against direct sunlight and excessive heat. Protect finished surfaces.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.8 WARRANTY

- A. Warranty: Provide manufacturer's standard one-year warranty against defects and workmanship, from the date of Substantial Completion.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: FabACab, which is located at: 8896 W. State Rd. 236; Middletown, IN 47356; Toll Free Tel: 800-800-4960; Email: [request info \(info@fabacab.com\)](mailto:info@fabacab.com); Web: <http://www.fabacab.com>
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 ELEVATOR INTERIOR WALL PANEL SYSTEMS

- A. Description: Provide wall panel system comprised of the following components and features designed to provide the highest quality finish, best in class durability, and ease of installation:
 - 1. Removable 1/2 inch (12 mm) thickness class B, or better, fire-rated particle board (Duraflake Flakeboard) wall panels.
 - a. Exposed Face: Plastic Laminate:
 - 1) WilsonArt standard finish, 0.039 inch (0.99 mm) minimum thickness laminate with Class B or better fire rating when laminated to fire-rated particle board as per ASTM E-84.
 - 2) Color/Finish: As selected from manufacturer's standard line.
 - 3) Color/Finish: _____.
 - b. Exposed Face: Stainless Steel:
 - 1) Smooth surface: No. 4 satin finish, 18 gauge stainless steel. Panel assembly to be Class B or better fire rated as per ASTM E 84.
 - 2) Textured metal surface: Stainless steel, 18 gauge, 5SM and 60M pattern (standard). Panel assembly to be Class B or better fire rated as per ASTM E-84.
 - c. Exposed Face: Resin:
 - 1) Lumicor's ' Lumiform' engineered resin panels, .118 inch thickness. Panel assembly to be Class B or better fire rated as per ASTM E-84.
 - d. Exposed Face: Custom: _____.
 - e. Shadow Lines: 1/8 inch (3 mm), black shadow lines set into exposed face.
 - f. Phenolic backing on all panels, .040 inches (standard).
 - g. Edge Banding: PVC on all exposed panel edges.
 - h. Edge Banding: Aluminum channel on all exposed panel edges.
 - i. Edge Banding, Custom: _____.

- j. Pre-installed, aluminum brackets included on horizontal and hybrid panel systems.
 - k. Pre-drilled, panel holes for handrails and bumper rails.
 - l. Pre-installed, 1/16 inch offset aluminum panel mounting brackets.
 - m. Panel spacers affixed to back side of each panel at hand rail and bumper hole locations and in-between mounting brackets to add additional contact points to elevator cab wall for increased strength and durability.
2. Reveals:
- a. Base Reveals: Stainless steel, 20 gauge, 5 inch high.
 - 1) Finish: No. 4 satin.
 - 2) Finish: Powder coating, Color: _____.
 - 3) Finish, Custom: _____.
 - b. Corner Reveals: Stainless steel, 20 gauge, 2 inch width from corner on each side.
 - 1) Finish: No. 4 satin.
 - 2) Finish: Powder coating, Color: _____.
 - 3) Finish, Custom: _____.
 - c. Flat Vertical Reveals: Stainless steel, 20 gauge, 2 inch width.
 - 1) Finish: No. 4 satin.
 - 2) Finish: Powder coating, Color: _____.
 - 3) Finish, Custom: _____.
3. Mounting system designed to provide a 0.25 inch gap between the elevator cab wall and the back of the panel to allow cab venting through hidden holes drilled in the elevator cab walls.
4. Wall panel systems include mounting alignment templates and all hardware required for a complete installation.
- B. Vertical Panel System: Model Freeport:
- 1. Finish: WilsonArt laminate and phenolic backer on all panels.
 - 2. Edge Banding: PVC edge banding as well as aluminum channel edge banding.
 - 3. Cab Height (Floor to Canopy): _____.
 - 4. Cab Size, Side Walls: _____.
 - 5. Cab Size, Back Wall: _____.
- C. Vertical Panel System: Model Nassau:
- 1. Finish: WilsonArt laminate and phenolic backer on all panels.
 - 2. Edge Banding: PVC edge banding on all sides.
 - 3. Cab Height (Floor to Canopy): _____.
 - 4. Cab Size, Side Walls: _____.
 - 5. Cab Size, Back Wall: _____.
- D. Vertical Panel System: Model Cooperstown:
- 1. Finish: WilsonArt laminate and phenolic backer on all panels.
 - 2. Edge Banding: PVC edge banding on all sides.
 - 3. Accents: Stainless steel, smooth accents on lower corners of each panel.
 - 4. Accents: Stainless steel, textured accents on lower corners of each panel.
 - 5. Cab Height (Floor to Canopy): _____.
 - 6. Cab Size, Side Walls: _____.
 - 7. Cab Size, Back Wall: _____.
- E. Vertical Panel System: Model Andros:
- 1. Finish: WilsonArt laminate and phenolic backer on all panels.
 - 2. Edge Banding: PVC edge banding on all sides.
 - 3. Accents: Stainless steel, smooth accents on lower corners of each panel.
 - 4. Accents: Stainless steel, textured accents on lower corners of each panel.
 - 5. Cab Height (Floor to Canopy): _____.
 - 6. Cab Size, Side Walls: _____.
 - 7. Cab Size, Back Wall: _____.
- F. Vertical Panel System: Model Vandal:
- 1. Finish: Textured stainless steel surface and phenolic backer on all panels.
 - 2. Edge Banding: PVC edge banding on all sides.

3. Cab Height (Floor to Canopy): _____.
 4. Cab Size, Side Walls: _____.
 5. Cab Size, Back Wall: _____.
- G. Horizontal Panel System: Model Santa Cruz:
1. Finish: WilsonArt laminate and phenolic backer on top, bottom, and center handrail panels.
 2. Edge Banding: PVC edge banding on all sides.
 3. Cab Height (Floor to Canopy): _____.
 4. Cab Size, Side Walls: _____.
 5. Cab Size, Back Wall: _____.
- H. Horizontal Panel System: Model Bridgetown:
1. Finish, Top and Bottom Panels: WilsonArt laminate and phenolic backer.
 2. Finish, Center Handrail Panels: Stainless steel, No. 4 smooth satin finish.
 3. Edge Banding: PVC edge banding on all sides.
 4. Cab Height (Floor to Canopy): _____.
 5. Cab Size, Side Walls: _____.
 6. Cab Size, Back Wall: _____.
- I. Horizontal Panel System: Model Santo Domingo:
1. Finish: WilsonArt laminate and phenolic backer on top and bottom panels.
 2. Edge Banding: PVC edge banding on all sides.
 3. Cab Height (Floor to Canopy): _____.
 4. Cab Size, Side Walls: _____.
 5. Cab Size, Back Wall: _____.
- J. Horizontal Panel System: Model La Vega:
1. Finish: WilsonArt laminate and phenolic backer on top and bottom panels.
 2. Accents: Textured stainless steel accents on each panel at left rear corner of elevator cab.
 3. Edge Banding: PVC edge banding on all sides.
 4. Cab Height (Floor to Canopy): _____.
 5. Cab Size, Side Walls: _____.
 6. Cab Size, Back Wall: _____.
- K. Horizontal Panel System: Cypress:
1. Finish: WilsonArt laminate and phenolic backer on top and bottom panels.
 2. Finish Bottom Panels: Stainless steel, textured finish.
 3. Finish Center Handrail Panels: Stainless steel, No. 4 smooth satin finish.
 4. Shadow Lines: In locations as indicated on Drawings.
 5. Edge Banding: PVC edge banding on all exposed edges sides.
 6. Cab Height (Floor to Canopy): _____.
 7. Cab Size, Side Walls: _____.
 8. Cab Size, Back Wall: _____.
- L. Hybrid Panel System: Model Kingston:
1. Finish, Top and Bottom Panels: WilsonArt laminate and phenolic backer.
 2. Finish, Center Handrail Panels: Stainless steel, No. 4 smooth satin finish.
 3. Shadow Lines: In locations as indicated on Drawings.
 4. Edge Banding: PVC edge banding on all sides.
 5. Cab Height (Floor to Canopy): _____.
 6. Cab Size, Side Walls: _____.
 7. Cab Size, Back Wall: _____.
- M. Hybrid Panel System: Model Montego Bay:
1. Finish, Top and Bottom Panels: WilsonArt laminate and phenolic backer.
 2. Finish, Center Handrail Panels: Stainless steel, No. 4 smooth satin finish.
 3. Shadow Lines: In locations as indicated on Drawings.
 4. Edge Banding: PVC edge banding on all sides.
 5. Cab Height (Floor to Canopy): _____.
 6. Cab Size, Side Walls: _____.

7. Cab Size, Back Wall: _____.
- N. Hybrid Panel System: Model Georgetown:
1. Finish Top Panels: WilsonArt laminate and phenolic backer.
 2. Finish Bottom Panels: Stainless steel, textured finish.
 3. Finish Center Handrail Panels: Stainless steel, No. 4 smooth satin finish.
 4. Shadow Lines and Vertical Flat Reveals: In locations as indicated on Drawings.
 5. Edge Banding: PVC edge banding on all sides.
 6. Cab Height (Floor to Canopy): _____.
 7. Cab Size, Side Walls: _____.
 8. Cab Size, Back Wall: _____.

2.3 HANDRAILS

- A. Non-patented handrail system, pre-installed:
1. Stand-offs: Heavy-duty stainless steel with 3/8 inch x 16 x 1-1/4 inch bolts mounted to 8 inch (203 mm) fire-rated particle board panel..
- B. Patented handrail system:
1. Stand-offs: Heavy-duty stainless steel with 3/8 inch x 16 x 4-1/2 inch T-bolts mounted to elevator cab shell.
 2. Handrails designed to remain tight to the wall and to be fully installed from inside the elevator cab.
- C. Handrail Locations: Back wall and side walls.
- D. Handrail Location: Back wall.
- E. Handrail Location: Side walls.
- F. Handrail Type: Round handrail, 0.013 inch (0.33 mm) wall thickness with straight or returned ends.
1. Material and Finish: Stainless steel with No. 4 brushed satin finish.
 2. Custom Finish: _____.
 3. Diameter: 1-1/2 inches (38 mm).
 4. Diameter: 2 inches (50 mm).
 5. Diameter, Custom: _____.
- G. Handrail Type: Solid, flat bar handrail with straight or returned ends.
1. Material and Finish: Stainless steel with No. 4 brushed satin finish.
 2. Custom Finish: _____.
 3. Width: 2 inches (50 mm).
 4. Width: 3 inches (76 mm).
 5. Width, Custom: _____.

2.4 BUMPERS

- A. Patented bumper rail system: Designed to remain tight to the wall and to be fully installed from inside the elevator cab.
1. Stand-offs: Utilize 3/8 inch x 16 x 4-1/2 inch T-bolts which mount to elevator cab shell.
 2. Location: Back wall only.
 3. Location: Side walls only.
 4. Location: Back and side walls.
 5. Type: Flat bar with returned ends, 3/8 inch (9.5 mm) thick.
 6. Material and Finish: Stainless steel with No. 4 brushed satin finish.
 7. Custom Finish: _____.
 8. Width: 4 inches (101 mm).
 9. Width: 6 inches (152 mm).
 10. Width: 8 inches (203 mm).
 11. Width, Custom: _____.

2.5 SUSPENDED CEILINGS

- A. T-Frame Ceiling: Ceiling with heavy-duty 1-1/2 inch (38 mm) welded aluminum T-frame with mitered, reinforced corners.
 1. Mounting Brackets: 0.070 inch (1.77 mm) aluminum mounting brackets.
 2. Removable section for access to the escape hatch.
 3. Ceiling Model: Curtain Bluff:
 - a. Layout: Divided into 3 sections.
 - b. Drop-in panels are 6 mm, 2 layer polycarbonate translucent panels.
 - c. Fire Rating (ASTM E 84): Class A or better.
 4. Ceiling Model: Sageese:
 - a. Layout: Divided into 6 sections.
 - b. Drop-in panels are 6 mm, 2 layer polycarbonate translucent panels.
 - c. Fire Rating (ASTM E 84): Class A or better.
 5. Ceiling Model: Anegada:
 - a. Layout: Divided into 6 sections.
 - b. Drop-in panels are 14 gauge stainless steel with No. 4 satin finish.
 - c. Fire Rating (ASTM E 84): Class A or better.
 6. Ceiling, Custom: _____.
 - a. Layout: _____.
 - b. Finish: _____.
 - c. Fire Rating (ASTM E 84): _____.
- B. Island Ceiling: Ceiling with concealed heavy-duty 6061 aluminum hat channel frame around entire perimeter of ceiling with 0.074 inch (1.879 mm) wall thickness.
 1. Backer: 0.125 inch (3.175 mm) thick aluminum backer with 18 gauge stainless steel exposed face cladding.
 2. Mounting Brackets: 11 gauge galvanized mounting brackets vertically adjustable up to 2 inches.
 3. Removeable section for access to the escape hatch.
 4. Ceiling Model: Chastenet:
 - a. Finish: Solid face ceiling with holes cut out for lighting.
 - b. Fire Rating (ASTM E 84): Class A or better.
 5. Ceiling Model: Manzanilla:
 - a. Finish: Solid face ceiling with shadow lines and holes cut out for lighting.
 - b. Fire Rating (ASTM E 84): Class A or better.
 6. Ceiling, Custom: _____.
 - a. Layout: _____.
 - b. Finish: _____.
 - c. Fire Rating (ASTM E 84): _____.

2.6 CEILING LIGHTS

- A. Man-D-Tec premium LED: Low voltage LED down lights with standard fixtures mounted on suspended ceiling.
 1. Dimmer Control: Pre-installed.
 2. Model: Solobeam: Round 4 watt LED producing up to 269 lumens per fixture.
 3. Model: Eyebeam SC: Low-profile (1.41 inch height) round 4 watt LED producing up to 209 lumens per fixture.
 4. Model: S2Beam: Square 4 watt LED producing up to 262 lumens per fixture.
 5. Model, Custom: _____.

2.7 PROTECTIVE PADS

- A. Palm Tuff vinyl pads as produced by Palmer Pads.
 1. Mounting: Pads mounted utilizing Palmer Pad #325 black coated flat hooks and StudStrip.
 - a. StudStrip pads are made from black heavy-duty slotted webbing sewn to the top of vinyl pads.
 - b. Eliminates time consuming grommet measurements with durable 5/8 inch stud slits space 1 inch apart.
 2. Color: As selected from manufacturer's standard product line.
 3. Color: _____.

PART 3 EXECUTION

3.1 PREPARATION

- A. Examine elevator cab prior to installation to ensure solid mounting surfaces for the interior components.
- B. Protect all interior components from damage prior to and during installation.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions utilizing manufacturer's supplied hardware and fasteners.
- B. Install in proper relationship to adjacent materials.
- C. Do not install work in a manner that interferes with the safe operation of the elevator.

3.3 CLEANING AND PROTECTION

- A. Clean exposed surface in accordance with manufacturer's instructions.
- B. Protect exposed surfaces from damage by subsequent construction.

END OF SECTION