SECTION 10 22 00
TEMPORARY PARTITIONS

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PART 1 GENERAL

1.1 SECTION INCLUDES

A. Temporary all-purpose partitions. (SwiftWall Pro)

B. Temporary structurally designed partitions. (SwiftWall Max)

C. Temporary adjustable height partitions. (SwiftWall Flex)

1.2 RELATED SECTIONS

A. Section 05 12 13 - Architecturally-Exposed Structural Steel Framing.

B. Section 06 10 00 - Rough Carpentry.

1.3 REFERENCES

A. Comply with all applicable codes and standards.

1.4 SUBMITTALS

A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

B. Product Data:
1. Manufacturer's data sheets on each product to be used.
2. Preparation instructions and recommendations.
3. Storage and handling requirements and recommendations.
4. Typical installation methods.

C. Verification Samples: Two representative units of each type, size, pattern, and color.

D. Shop Drawings: Include details of materials, construction, and finish.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.

B. Installer Qualifications: Company specializing in performing work of this section with basic carpentry skills and experience with projects of similar scope and complexity.

C. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

D. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
   1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
   2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
   3. Retain mock-up as a standard for comparison with completed work.
   4. Do not alter or remove mock-up until work is completed or removal is authorized.

1.6 PRE-INSTALLATION CONFERENCE

A. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store and handle in strict compliance with manufacturer's written instructions and recommendations.

B. Protect from damage due to weather, excessive temperature, and construction operations.

1.8 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.

1.9 WARRANTY

A. Manufacturer's standard limited warranty unless indicated otherwise.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: SwiftWall, which is located at: 1928 N. Stark Rd.; Midland, MI 48642; Tel: 989-279-0232; Fax: 989-794-6013; Email:request info (sales@swiftwall.com); Web:https://swiftwall.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 TEMPORARY PARTITIONS - SWIFTWALL PRO

A. Basis of Design: SwiftWall Pro temporary partition system as manufactured by SwiftWall.

Simple track and panel system with non-hygroscopic ABS, textured finished on both sides of the wall.

B. Performance Requirements:
   1. Fire Rating: ASTM E84 Class C standard, Class A optional.
   2. Sound Attenuation: STC 21 rating.
   3. Thermal Rating: R-7 value.

C. Panels: Composite assembly consisting of a core, skins, and joiners.
   1. Skins: ABS. Color: White matte. Finish: Hair cell.
      a. Fire Rating: ASTM E84 Class C.
   2. Skins: Aluminum. Color: White semi-gloss. Finish: Coil coated, smooth.
      a. Fire Rating: ASTM E84 Class A.
   3. Core: Urethane modified polyisocyanurate foam insulation board. R-value: 6.5. Thickness: 1 inch (25 mm).
   4. Joiner: Industrial extruded aluminum. Male/female.
   5. Panel Sizes.
      a. Panel Width: 48 inches (122 cm). Panels can be cut to size on site.
      b. Panel Thickness: 1.1 inches (3 cm).
      c. Panel Height: 48 inches (122 cm). Weight: 17.5 lbs (8 kg).
      d. Panel Height: 96 inches (244 cm). Weight: 35 lbs (16 kg).
      e. Panel Height: 120 inches (305 cm). Weight: 44 lbs (20 kg).
      f. Panel Height: 144 inches (366 cm). Weight: 53 lbs (24 kg).
      g. Panel Height: 192 inches (488 cm). Weight: 70 lbs (32 kg).
      h. Panel Height: ___ inches (___ cm). Custom heights available.
      i. Window Size (WxH): 6 x 18 inches (15 x 46 cm).
      j. Window Size (WxH): 36 x 36 inches (91 x 91 cm).
      k. Window Size (WxH): ___ x ___ inches (___ x ___ cm).

D. Track: Cut to length as needed.
   1. Size (WxHxL): 4 x 2-3/4 x 120 inches (10 x 7 x 305 cm).
   2. Material: Industrial extruded aluminum.
   3. Finish: Powder Coated. Color: White, gloss.

E. C-Channel: Cut to length as needed.
   1. Size (WxH): 1.2 x 2 inches (3 x 5 cm).
   2. Lengths: Manufacturer supplies C-channel lengths to match system requirements.
   3. Material: Industrial extruded aluminum.
   4. Finish: Powder Coated. Color: White gloss.

F. Rounded Corner Channel: Cut to length as needed.
   1. Size: 3 inch (8 cm) radius.
   2. Height: Manufacturer supplies corner channel lengths to match system requirements.
   3. Material: Industrial extruded aluminum.
   4. Finish: Powder Coated. Color: White, semi-gloss.

G. Adjustable Corner Channel: Full length piano hinge assembly.
   1. Range of Motion: 0 to180 degrees.
   2. Height: Manufacturer supplies adjustable corner channel lengths to match system requirements.
   3. Material: Industrial extruded aluminum.

H. Single Door:
   1. Door Panel Width: 48 inches (122 cm).
   2. Door Panel Thickness: 1.1 inches (3 cm).
   3. Door Panel Height: To match system panel height.
   4. Entryway Size: 36 x 88 inch (91 x 224 cm).

5. Material: Skin, core, and joiner to match panel skin.
6. Hardware: Lever lock.
7. Hardware: As specified under Section 08 71 00 - Door Hardware0 - Hardware.
8. Hardware: As determined by the architect.
9. Window Size (WxH): As determined by the Architect.
10. Window Size (WxH): ___ x ___ inches (___ x ___ cm).

I. Double Door:
1. Door Panel Assembly Width: 96 inches (244 cm).
2. Door Panel Thickness: 1.1 inches (3 cm).
3. Door Panel Height: To match system panel height.
4. Entryway Size: 93 x 88 inch (236 x 224 cm).
5. Material: Skin, core, and joiner to match panel skin.
6. Hardware: Lever lock.
7. Hardware: As specified under Section 08 71 00 - Door Hardware0 - Hardware.
8. Hardware: As determined by the architect.
9. Window Size (WxH): 6 x 18 inches (15 x 46 cm).
10. Window Size (WxH): 36 x 36 inches (91 x 91 cm).
11. Window Size (WxH): ___ x ___ inches (___ x ___ cm).

J. Additional Components: Fasteners, shoring, bracing, safety features, etc., designed by the job site engineer to provide a structurally sound and safe installation of the temporary partition system.

2.3 TEMPORARY PARTITIONS - SWIFTWALL MAX

A. Basis of Design: SwiftWall Max aluminum temporary partition system as manufactured by SwiftWall. Structurally engineered interlocking metal panels and rails, designed to create wall structures and room enclosures with optional finished walls on both sides.

B. Performance Requirements:
1. Sound Attenuation: STC 40 rating with 3 inch (8 cm) mineral wool.
2. Fire Rating: ASTM E84 Class A.
3. Wall panels can be assembled and stacked vertically up to 30 ft (914 cm).

C. Modular Wall Systems and Partitions:
1. Aluminum Panels: 0.09 inch (2 mm) thick aluminum. Powder coated semi-gloss.
   a. Fire Rating: ASTM E84 Class A.
   b. Interior Finish Panels: 0.09 inch (2 mm) thick aluminum. Powder coated semi-gloss.
2. Ceiling Supports: Brackets, metal studs, and standard anchoring devices.
3. Fasteners and Mounts: Bracing plates, interior finish vertical inside panel bracket, splice brackets, and insulation hat bracket - 1 and 2 inch (25 and 51 mm).
4. Panel Sizes.
   a. Panel Width: 6 inches (15 cm).
   b. Panel Width: 12 inches (30.5 cm).
   c. Panel Width: 24 inches (61 cm).
   d. Panel Width: ___ inches (___ cm).
   e. Panel Height: 96 inches (244 cm).
   f. l Panel Height: 117 inches (305 cm).
   g. Panel Height: ___ inches (___ cm).
   h. Panel Thickness: 3.5 inch (9 cm).

D. Corner Panel Sizes: Standard corner kits provide 90 degree corners. Variable angle panels are also available for custom angle degrees.
1. Panel Width: 6 inches (15 cm).
2. Panel Height: 96 inches (244 cm).

3. Panel Height: 117 inches (297 cm).
4. Panel Height: ___ inches (___ cm).
5. Panel Thickness: 3.5 inch (9 cm).

E. Window Panels:
1. Window Size (WxH): 17 x 60 (43 x 152 cm).
   a. Panel Size (WxH): 24 x 116 inches (61 x 295 cm).
2. Window Size (WxH): 40 x 48 inches (102 x 122 cm).
   a. Panel Size (WxH): 48 x 116 inches (122 x 295 cm).
3. Window Size (WxH): 40 x 60 inches (102 x 152 cm).
   a. Panel Size (WxH): 48 x 116 inches (122 x 295 cm).

F. Optional Components:
1. Horizontal Sliding Panels: The horizontal sliding panel can expand from 23 to 30 inches (584 to 762 mm) in width , closing gap tolerances between the side of the last panel and the surface.
2. Vertical Sliding Panels: The vertical sliding panel can expand up to 21 inches in length, closing gap tolerances between the top of the panels and the surface.
3. Variable Angle Panels: The interchangeable clamp mechanism in the variable angle panel offers 90-180 and 180-270 degree corners ideal for curved walls.
4. Insulation: Walls support 1, 2, and 3 inch (25, 51, and 76 mm) insulation panels for temperature controlled environments.

G. Optional Interior Finish Panels:
1. Optional Vertical Panel Sizes.
   a. Vertical Panel Width: 6 inches (15 cm).
   b. Vertical Panel Width: 12 inches (30.5 cm).
   c. Vertical Panel Width: 24 inches (61 cm).
   d. Vertical Panel Width: ___ inches (___ cm).
   e. Vertical Panel Height: 96 inches (244 cm).
   f. Vertical Panel Height: 117 inches (305 cm).
   g. Vertical Panel Height: ___ inches (___ cm).
   h. Panel Thickness: 3.5 inch (2.5 cm).
2. Optional Horizontal Plank-Type Panel Sizes.
   a. Horizontal Panel Height: 6 inches (15 cm).
   b. Horizontal Panel Height: 12 inches (30.5 cm).
   c. Horizontal Panel Height: 24 inches (61 cm).
   d. Horizontal Panel Height: ___ inches (___ cm).
   e. Horizontal Panel Width: 24 inches (61 cm).
   f. Horizontal Panel Width: 48 inches (122 cm).
   g. Horizontal Panel Width: 72 inches (183 cm).
   h. Horizontal Panel Width: ___ inches (___ cm).
   i. Panel Thickness: 3.5 inch (2.5 cm).
3. Powder Coat Interior Finishes:
   a. Texture: Smooth gloss.
   b. Color: White.
   c. Color: _____.
4. Vinyl Film: as determined by the Architect.
5. Vinyl Film: _____.

2.4 TEMPORARY ADJUSTABLE HEIGHT PARTITIONS - SWIFTWALL FLEX

A. Basis of Design: SwiftWall Flex temporary partition system as manufactured by SwiftWall. Simple adjustable height panel system finished on both sides of the wall.

B. Performance Requirements:
1. Fire Rating: ASTM E84 Class C standard, Class A optional.

2. Sound Attenuation: STC 21 rating.
3. Thermal Rating: R-7 value.

C. Panels: Composite assembly consisting of a core, skins, and joiners.
1. Skins: ABS. Color: White matte. Finish: Hair cell.
a. Fire Rating: ASTM E84 Class C.
2. Skins: Aluminum. Color: White semi-gloss. Finish: Coil coated, smooth.
a. Fire Rating: ASTM E84 Class A.
3. Core: Urethane modified polyisocyanurate foam insulation board.
a. R-value: 6.5. Thickness: 1 inch (25 mm).
4. Joiner: Industrial extruded aluminum. Male/female.
5. Panel Sizes.
a. Panel Thickness: 1.1 inches (3 cm).
b. Panel Width: 48 inches (122 cm).
c. Panel Width: 36 inches (91.4 cm).
d. Panel Width: 24 inches (61 cm).
e. Panel Width: 12 inches (30.5 cm).
f. Panel Width: ___ inches (___cm).
g. Panel Height: Adjustable from 90 to 123 inches (2286 to 3124 mm).
h. Panel Height: Adjustable from 120 to 153 inches (3048 to 3886 mm).

D. Rounded Corner Channel:
1. Size: 3.25 inch (825 mm) radius.
2. Height: Manufacturer supplies corner channel lengths to match system requirements.
3. Material: Industrial extruded aluminum.
4. Finish: Powder Coated. Color: White, semi-gloss.

E. Single Door:
1. Door Panel Width: 48 inches (122 cm).
2. Door Panel Thickness: 1.1 inches (3 cm).
3. Door Panel Height: To match system panel height.
4. Entryway Size: 36 x 84 inch (91 x 213 cm).
5. Material: Skin, core, and joiner to match panel skin.
6. Hardware: Lever lock.
7. Hardware: As specified under Section 08 71 00 - Door Hardware0 - Hardware.
8. Hardware: As determined by the architect.
9. Window Size (WxH): As determined by the Architect.
10. Window Size (WxH): ___ x ___ inches (___ x ___ cm).

F. Additional Components: Fasteners, shoring, bracing, safety features, etc., designed by the job site engineer to provide a structurally sound and safe installation of the temporary partition system.

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly constructed and prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the

best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.

3.4 FIELD QUALITY CONTROL

A. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

B. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.

3.5 CLEANING AND PROTECTION

A. Clean products in accordance with the manufacturer's recommendations.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION