

Section 09 77 00
Concourse – Wall Cladding System

PART 1 - GENERAL

1.1 SUMMARY

A. Scope: Section includes, but is not limited to, architectural wall cladding system, including trims, terminations, miscellaneous metals, clips, fasteners, and other devices for secure anchorage of panels to conventional drywall or other substrate provided for this purpose.

B. Related Sections:

1. Section 09 20 00 Plaster and Gypsum Board
2. Section 05 50 00 Metal Fabrications

1.2 SUBMITTALS

A. Shop Drawings: Submit complete shop drawings indicating quantities, finishes, dimensions and attachment relationships.

B. Product Data: Submit manufacturer's product data, specifications and installation instructions.

C. Samples: Submit color and finish samples to determine range of texture and consistency of color and finish as expected in the finished work. Standard sample size shall be 3" x 3".

1.3 QUALITY ASSURANCE

A. Manufacturer shall have a minimum of five years experience in manufacturing architectural materials.

1.4 DELIVERY, STORAGE AND HANDLING

A. Deliver components in clearly marked containers and packages suitable for shipment of specified products so as to prevent finish damage in transit. Material should be allowed to acclimate to humidity conditions of the project for 72 hours prior to installation (addressed in 3.2)

B. Store components only in secured ambient environment (humidity min. 25% - max 55%, temperature not to exceed 80 degrees). Store in dry locations that will avoid damage from job-site traffic, moisture, stacking, or other job-site contamination. Do not stack panels directly on floor. Do not subject panels to moisture.

C. Handle components to avoid racking, twisting, denting or scratching of finished surfaces.

1.5 WARRANTY

A. Provide manufacturer's warranty against defects in material and workmanship for a period of one year.

Part 2 - PRODUCTS

2.1 MANUFACTURER

A. Basis of design: **Concourse – Wall Cladding System – patent pending**

Fry Reglet Corporation
1377 Stonefield Court
Alpharetta, GA 30004
Phone – 855-379-7729
www.fryreglet.com

2.2 MATERIALS

- A. Framing: All framing components to be fabricated from extruded 6063 T5 aluminum.

Finishes: **Standard anodized finish Architectural 200R1 medium etch (AA-M32c10A21), clear color**.

** Factory powder paint**

- B. Panels: Solid phenolic wall panels

Product Description:

1. Material: Solid phenolic resin, fire-retardant.

2. Finish: Specify:

Standard Colors

Woodgrains

Materials

Metallics finish

(as selected by Architect from Manufacturer's standard color range)

or **Custom Color**

3. Panel Core: Standard brown core.

4. Panel Thickness: 8mm.

5. Panel Standard Sizes: As indicated on drawings.

6. Panels shall be colored and have same décor and panel properties on both sides.

- C. Physical Properties:

1. Smoke Development Index: Less than 450 per ASTM E-84.

2. Flame Spread Index: Less than 10 per ASTM E-84.

3. Ignition Temperature; Greater than 650 degrees Fahrenheit above ambient, ASTM D1929.

4. Panels shall be impact resistant per EN-ISO 178.

5. Panels shall be scratch resistant per EN-438-6.

6. Panels shall be FSC Certified.

7. Panels shall be Greenguard Certified.

2.4 FABRICATION

- A. Aluminum framing components consisting of vertical main runners and factory fabricated panels that include integral horizontal cross runners and attachment channels. Channels include backer supports that allow installation with minimal field cutting and shimming. Panels and vertical main runners form openings to accommodate various conditions including 2-way, 3-way and 4- way intersections, inside and outside corners, and are capable of being field modified to accommodate custom intersections as detailed in manufacturer's shop drawings.
- B. Wall system shall provide a fine line joint with an anodized aluminum exposed element bordering each panel horizontally, vertically or in both directions in accordance with Architectural drawings. All other details, including base, head, corners, intersections etc. shall be fabricated in accordance with the Architectural drawings.
- C. Infill panels shall be installed in a vertically progressive manner and must be vertically accessible.

PART 3 - EXECUTION

3.1 PREPARATION:

- A. Examine job-site conditions to verify that walls to receive cladding are dry, flat and rigid. Recommended stud spacing 16" or 24" o.c. Framing must conform to ML/SFA 540 specification:
 - 1. Vertical alignment (plumbness) of walls shall be within 1/960th (1/8" in 10 feet) of the span.
 - 2. Horizontal alignment (levelness) of walls shall be within 1/960th (1/8" in 10 feet) of their respective heights.
 - 3. Squareness of walls shall be not more than 1/8" out of square within the length of that wall.
- B. Climate control: Material must be stored, installed and maintained only in secured ambient environment (humidity min. 25% - max 55%, temperature not to exceed 80 degrees)
- C. Verify dimensions of wall panels prior to installation to assure compatibility with job-site conditions.

3.2 INSTALLATION

- A. Install vertical main runners and horizontal bottom track in accordance with manufacturer's installation instructions and approved shop drawings. Vertical runners and bottom track must be plumb, true and level as described in 3.1.A. Install horizontal support channels to substrate as shown on shop drawings.
- B. All panels must be allowed to acclimate to the project environmental conditions prior to installation.
- D. Wall panels shall be installed in a vertical manner beginning at the bottom track. Engage panel in bottom track, align exposed horizontal flange with abutting panels, secure panel in place with mechanical fasteners in groove provided at top of panel. Engage upper panel, taking care to seat panel on horizontal support channels mounted to substrate. Continue engaging panels to top of wall framing making sure panels are erected plumb, level, square, true to line, securely anchored and in proper alignment and relationship to work of other trades.

- E. Once panels have been installed, install top trim to run continuous over the tops of all panels. Secure in place with fasteners and complete the installation by inserting snap-in trim to cover fasteners.

3.3 CLEANING AND PROTECTION

- A. Visually inspect all exposed surfaces for scratches or blemishes. Protection of wall panels from damage by other trades after installation shall be the responsibility of the General Contractor.

END OF SECTION