

Section 09800

ARCHITECTURAL METAL PANELS & BAFFLES - CORRUGATED

PART 1 - GENERAL

1.1 SUMMARY

- A. Scope: Section includes, but is not limited to, corrugated architectural metal panel systems including trims, terminations, miscellaneous steel and subframes, clips, fasteners and other devices for secure anchorage of panels to structural steel frame members or other substrate provided for this purpose.
- B. Related Sections:
 - 1. Section 05120 - Structural Steel
 - 2. Section 05400 - Cold-Formed Metal Framing
 - 3. Section 07810 - Cementitious Fireproofing
 - 4. Section 09250 - Gypsum Board

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 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 metals.

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. Provide protective wrapping for protection.
- B. Store components in locations that will avoid damage from job-site traffic, moisture, stacking, or other job-site contamination.
- 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 beginning on the Date of Substantial Completion.

Part 2 - Products

2.1 MANUFACTURER

- A. Basis of design is: Fry Reglet Corporation
405 N. 75th Avenue
Bldg. 2, Suite 134
Phoenix, AZ 85043

Local Contact: Arcspec, 225 Peterson Rd., Libertyville, IL 60048, phone: 847-362-1590,
fax: 847-362-1557

B. Select **CEILING PANELS**WALL PANELS**BAFFLE PANELS** from the following:

- ** Fry Reglet Pattern A System**
- ** Fry Reglet Pattern B System**
- ** Fry Reglet Pattern C System**
- ** Fry Reglet Pattern D System**
- ** Fry Reglet Pattern E System**
- ** Fry Reglet Pattern F System**

Include all secondary framing, anchors, clips and other fasteners to provide a complete and finished wall panel system. Specify non-perforated or perforated

C. General Performance: The corrugated metal architectural **CEILING PANELS**WALL PANELS**BAFFLE PANELS** shall meet the requirements of ASTM E1264, shall have a flame spread classification of 0-25 feet for Class "A" rating when tested in accordance with ASTM E-84, and shall have an NRC rating of **Specify** when tested in accordance with ASTM C-423 for noise reduction.

2.2 MATERIALS

A. Aluminum:

1. Thickness: 0.020" Stucco or 0.032" Specify: **Stucco**Smooth**
2. Finish: Panels shall receive a conversion coat prior to receiving an electrostatically applied powder coated finish. All cut edges including perforations must be coated. Finish shall be fully cured and baked to insure proper paint adhesion. Color shall be **White**Silver Satin**Custom color selected by Architect**

B. Steel:

1. Thickness: 22 or 24 gage G90 Hot Dipped galvanized
2. Finish: Panels shall be primed prior to receiving an electrostatically applied powder coated finish. All cut edges including perforations must be coated. Finish shall be fully cured and baked to insure proper paint adhesion. Panels shall be coated **One side**Two sides** Color shall be **White**Silver Satin**Custom color selected by Architect**

2.3 PERFORATIONS

A. Corrugated wall panels shall be available perforated or non-perforated. Select from the following standard perforation patterns (consult factory for specifics):

- 1/8" diameter on 21/64" staggered centers @ 60 degrees
- 3/32" diameter on 3/16" staggered centers

2.4 ACOUSTICAL INSULATION

- A. Provide fiberglass insulation in **1.5inch**2 inch** thickness, and 1.5# per cubic foot density.
- B. Acoustical insulation shall be **Unwrapped** or encapsulated with **Polyvinylchloride covering**
- C. The architectural metal **CEILING PANELS**WALL PANELS**BAFFLE PANELS** with insulation shall have a noise reduction coefficient of **Specify NRC Value** as tested in accordance with ASTM C-423 and shall be rated Class "A" as tested in accordance with ASTM E-84.

2.5 MOUNTING DEVICES

- A. Provide necessary mounting devices as recommended by the manufacturer or as required by the Architect/Designer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine job-site conditions for conditions that may adversely affect installation of wall panels.
- B. Verify dimensions of wall panels prior to installation to assure compatibility with job-site conditions.
- C. Visually examine finished surfaces to assure that blemished or dented surfaces are not present prior to installation.

3.2 INSTALLATION

- A. Install components in accord with manufacturer's product data and approved shop drawings.
- B. ****CEILING PANELS**WALL PANELS**BAFFLE PANELS**** shall be erected plumb, level, square, true to line, securely anchored and in proper alignment and relationship to work of other trades.

3.3 CLEANING AND PROTECTION

- A. Remove protective coverings and clean panels to remove adhesives and tape residue. Test all solvents on non-exposed surfaces prior to use. Use a mild detergent with a soft cloth.
- B. Visually inspect all exposed surfaces for scratches or blemishes.
- C. Protection of wall panels from damage by other trades after installation shall be the responsibility of the General Contractor.

END OF SECTION