

Exterior Corrugated (Pattern C) Screen Wall System Guideline Specifications

GORDON<sup>®</sup>, INC. EXTERIOR CORRUGATED SCREEN WALL SYSTEM

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections apply to this Section.

1.2 SUMMARY

- A. This section includes Exterior Corrugated Screen Wall Panels as shown on the architectural drawings.
- B. Related Sections include the Following: (list applicable sections)

1.3 SUBMITTALS

A. Manufacturer's Literature and Data:

- 1. Product Data: Submit manufacturer's technical data and brochures for specified system.

B. Shop Drawings:

- 1. Shop drawings shall show dimensions, sizes, thickness, finishes, joining, mounting attachments, and relationship to adjoining work.

C. Samples:

- 1. Samples shall include a minimum 12" X 12" nominal piece of each type of metal, finished as specified, and accessories.

D. Certification:

- 1. Submit certification from manufacturer of wall panels attesting that products comply with specified requirements including finish as specified.
- 2. Provide PE Calculations showing product meets Design Loads.

E. Qualification Data:

- 1. Firms specified in "Quality Assurance" Article must demonstrate their capabilities and experience by including lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

F. Product Test Reports:

- 1. All products furnished shall have a flame spread classification of 0-25 for a Class A or Class 1 rating in accordance with ASTM E84.

G. Maintenance Data:

- 1. Provide maintenance instructions for Exterior Corrugated Screen Wall Panels to be included in maintenance manuals as specified in Division 1.

H. Warranty:

1. Provide product warranty for one year from date of product shipment.

1.4 QUALITY ASSURANCE

- A. Manufacturer: Firm with manufacturing and delivery capacity required for the project, shall have successfully completed at least ten projects within the past five years, utilizing systems, materials and techniques as herein specified.
- B. Fabricator must own and operate its own Manufacturing facilities for all metal components. Systems consisting of components from a variety of manufacturers will not be considered or accepted.
- C. Manufacturer/Fabricator must own and operate its own Painting and Finishing facility to assure single source responsibility and quality control.
- D. Testing Agency Qualifications: An independent testing agency, acceptable to authorities having jurisdiction, with the experience and capability to conduct testing indicated, as documented according to ASTM E 548.

1.5 DELIVERY, STORAGE & HANDLING

- A. All materials shall be protected during fabrication, shipment, site storage and erection to prevent damage to the finished work from other trades. Store Exterior Corrugated Screen Wall Panel Systems inside a well-ventilated area, away from uncured concrete and masonry, and protected from the weather, moisture, soiling, abrasion, extreme temperatures, and humidity.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. Exterior Corrugated Screen Wall Panel Systems shall be manufactured by Gordon®, Inc., 5023 Hazel Jones Road, Bossier City, LA 71111, (318) 747-8954, FAX (800) 877-8746, [www.gordon-inc.com](http://www.gordon-inc.com), [sales@gordon-inc.com](mailto:sales@gordon-inc.com).
- B. The listed manufacturer shall not be construed as closing specifications to other prospective manufacturers, but rather as establishing a level of quality in a metal system. Other systems may be submitted for approval; as provided for in the specifications at least 10 working days prior to submission of bids. Companies desiring to submit a proposal shall submit all descriptive information of the system proposed including photographs and shop drawings of at least three projects similar in detail and scope.

2.2 SYSTEM DESCRIPTION

- A. Exterior Corrugated Screen Wall Panel System shall include: corrugated pattern C panels, J-trim perimeter, corner angles, and factory painted screws.

2.3 MATERIALS

- A. Mounting Accessories
  1. Extruded aluminum, brake form aluminum as manufactured by Gordon®, Inc. Accessories shall include J-Trim and inside/outside corner angles in a size and length to completely support and finish trim the wall panels as shown in elevations. All

mounting accessories shall be finished to match Exterior Corrugated Screen Wall Panels.

2. Aluminum Extrusions shall be 6063-T6 alloy. (ASTM B 221, ASTM B 221 M)
- 3 General: Provide metals free from surface blemishes where exposed to view in finished unit. Surfaces that exhibit pitting, seam marks, roller marks, stains, and discolorations, or other imperfections on finished units are not acceptable. All metal shall be of the highest grade -commercial type,

B. Metal Panels

1. Aluminum sheet shall be 3003-H14 alloy, .063" thickness, (ASTM B 209).
2. Exterior Corrugated Screen Wall Panels shall be corrugated with Gordon®, Inc. Pattern C Corrugation and perforated with 3/8" diameter holes on 55/64" straight centers, approximately 15% open area (R38-5564ST15 perforation pattern).

## 2.4 FINISHES

A. Powder Coat Finish – (Interior use only)

1. All Gordon®, Inc. Exterior Corrugated Screen Wall Panels & Accessories shall receive a micro-etched pretreatment prior to receiving an electrostatically applied ACROGUARD®-UVX powder coat finish.
2. All cut edges, including perforated holes must be coated. Finish shall be cured and oven baked to insure paint adhesion and uniform surface hardness.
3. Paint Color to be selected from Gordon®, Inc. Standard Colors (or approved custom color).

OR

B. Alternative Finishes

1. Aluminum shall receive a factory applied and baked finish of a 70% Kynar® or Hylar 5000® (Fluropon® or Fluropon Classic® II) paint
2. All cut edges, including perforated holes must be coated. Finish shall be cured and oven baked to insure paint adhesion and uniform surface hardness.

## PART 3 –EXECUTION

### 3.1 INSPECTION

- A. Examine building structure scheduled to receive Exterior Corrugated Screen Wall Panel Systems for unevenness or irregularities that would affect quality and execution of work.

B. Tolerances:

1. Install Exterior Corrugated Screen Wall Panel Systems with a maximum surface deviation of 1/8" in 4'-0" (No load applied) ASTM 635-92.

### 3.2 INSTALLATION

- A. General: Comply with manufacturer's printed instructions.

### 3.3 CLEANING

- A. Clean all surfaces following installation.

- B. Replace material having scratches, abrasions, or other defects, with unblemished panels, or suspension.
- C. Maintenance per manufacturer's finish maintenance instructions.

#### 3.4 PROTECTION

- A. Protection of Gordon®, Inc. Exterior Corrugated Screen Wall Panel Systems from damage by other trades after installation to be provided by general contractor.

#### 3.5 GENERAL RESPONSIBILITY

- A. Variation from specification: Any variation from this specification resulting in additional cost to any other contractor or subcontractor on this project shall be the sole financial responsibility of the contractor for the work of this section.