

Guideline Specifications

GORDON MILLENNIUM® METAL WALL BAFFLE PANEL SYSTEM DIVISION 9

Note To Specifier: MILLENNIUM® Metal Wall Baffle Panels are a finished, decorative product and should be installed by tradesmen that are experienced in handling finished products. MILLENNIUM® Metal Wall Baffle Panels may be specified in Division 9-Finishes or Division 5-Metals.

PART 1-GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This section includes MILLENNIUM® Metal Wall Baffle Panels as shown on drawings.
- B. Related Sections include the following:

1.3 SUBMITTALS

- A. Manufacturer's Literature and Data:
 - 1. Product Data: Submit manufacturer's technical data and brochures for each type of MILLENNIUM® Metal Wall Baffle Panel required.
- B. Shop Drawings:
 - 1. Shop drawings shall show dimensions, sizes, thickness, alloys, tempers, finishes, joining, attachments, and relationship of adjoining work.
- C. Samples:
 - 1. Samples shall include 5" x 7" piece of each type of metal and finish as specified and extrusions if required.
- D. Certification:
 - 1. Submit certificates from manufacturer of wall panels attesting that products comply with specified requirements including finish as specified.
- 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.

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. "Stick Built" or "Kit of Parts 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.

1.5 DELIVERY, STORAGE & HANDLING

All material shall be protected during fabrication, shipment, site storage and erection to prevent damage to the finished work from other trades. Store wall panels inside a well-ventilated area, away from uncured concrete and masonry, and protected from weather, moisture, soiling, abrasion, extreme temperatures, and humidity.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. MILLENNIUM® Metal Wall Baffle Panels shall be manufactured by Gordon, Inc. Interior Specialties Division, P.O. Box 4347, Shreveport, LA 71134, (800) 747-8954, FAX (800) 877-8746.
- 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 specification 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 MATERIALS

Note to Specifier: Textured products may have surface imperfections resulting from the texturing process. The pattern may not align from part to part due to standard machining tolerances. Also, the pattern may not run in a straight line at bends and cuts, and half patterns may occur at bends and cuts. This is typical of textured, woven, and perforated materials.

- A. MILLENNIUM® Metal Wall Baffle Panel System shall be a complete Gordon, Inc. system. All secondary framing, anchors, clips and extrusion are to be provided as complete package of this work. No exposed fasteners for metal closures are allowed.
- B. General: Provide metals free from surface blemishes where exposed to view in finished unit. Surfaces exhibiting pitting, seam marks, roller marks, stains, discolorations, or other imperfections on finished units are not acceptable. All metal shall be of the highest grade, commercial type.
- C. Aluminum sheet shall be 3003-H14 alloy, .063 thick. [ASTM B 209 (ASTM BG 209M)]
- D. Aluminum Extrusion shall be 6063-T6 alloy. [ASTM B 221 (ASTM B 211M)]
- E. MILLENNIUM® Metal Wall Baffle Panels shall be three-dimensional material ¼" thick in sizes as shown on the drawings. Material shall be opaque in frontal view, with 35 - 45% open area as required for acoustical performance. Pattern shall run the length of the sheet.

(Use the following section in the event that the panels are to provide sound absorption).

2.3 ACOUSTICAL PROPERTIES

- A. MILLENNIUM® Metal Wall Baffle Panel shall be provided with a 2" thick black PVC wrapped fiberglass insulation pad, 1.5 lb density, Class A, according to ASTM E-84. Material shall be provided to mount to blocking behind panel to produce a NRC of 1.1 when tested by an independent laboratory

2.4 FABRICATION

- A. Millennium® Metal Wall Baffle panels shall be up 4' x 4' nominally.
- B. Millennium® Metal Wall Baffle panels shall have an aluminum end plate as shown on the architectural drawings. All other details including trim details shall be fabricated in accordance with the architectural drawings.

2.5 FINISHES

A. Standard Interior Grade Finishes

1. MILLENNIUM® Metal Wall Baffle panels shall receive a micro-etched pretreatment prior to receiving an electrostatically applied Acrylic-Polyester hybrid powder coat paint 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. Factory applied powder coat finish
 1. All material shall receive a micro-etched pretreatment prior to receiving an electrostatically applied Acroguard™ powder coat paint finish.
 2. All exposed surfaces must be coated. Finish shall be cured and oven baked to insure paint adhesion and uniform surface hardness.
 3. Paint to be selected from standard colors (or approved custom color).
4. Factory applied Acroguard™ super durable polyester powder coat finish
 1. All material shall receive a micro-etched pretreatment prior to receiving an electrostatically applied Acroguard™ powder coat paint finish.
 2. All exposed surfaces must be coated. Finish shall be cured and oven baked to insure paint adhesion and uniform surface hardness.
 3. Paint to be selected from standard colors (or approved custom color).

OR

A. Exterior Grade High Performance Finishes

All MILLENNIUM® Metal Wall Baffle panels shall receive a factory applied and baked finish of a (*choose from below*)% PVDF (Kynar® or Hylar 5000®) paint.

1. IF 50% polyvinylidene fluoropolymer (PVDF) resin (Kynar® or Hylar®) is required, specify Acrodize™ Hardcoat or Acroflur™ paint (Gordon recommends for interior use only).

OR

2. IF 70% polyvinylidene fluoropolymer (PVDF) resin (Kynar® or Hylar®) is required, specify Fluoropon® or Fluoropon Classic® II paint (appropriate for interior or exterior use).

OR

3. If aluminum is to be field painted, it should receive a factory-applied Alodine pre-treatment.

PART 3-EXECUTION

3.1 INSTALLATION

- A. Install wall panels in accordance with manufacturer's written installation instructions and shop drawings.
- B. Wall Panels shall be erected plumb, level, square, true to line, securely anchored, and in proper alignment and relationship to work of other trades. Exterior joints are to be sealed by installer with backer rods and sealant.
- C. Wall Panels shall be inspected before installation to be free from dents, scratches, and other defects.

3.2 CLEANING

- A. Clean all surfaces following installation.
- B. Maintenance per manufacturer's finish maintenance instructions.

3.3 PROTECTION

- A. Protection of wall panels from damage by other trades after installation to be provided by general contractor.

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Acrodize™ Hardcoat and Acroflur™ are trademarks of The Valspar Corporation.

Flurocyl®, Fluropon® and Fluropon Classic® II are registered trademarks of The Valspar Corporation.

3.4 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.