Guideline Specifications
GORDON DECORATIVE METAL MILLENNIUM® WALL SYSTEM
DIVISION 09 7700, 09 8000 or DIVISION 05 7010

Note To Specifier: MILLENNIUM Wall Panels are a finished, decorative product and should be installed by tradesmen that are experienced in handling finished products. MILLENNIUM Wall 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 Wall 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 wall 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® Wall Panels shall be manufactured by Gordon Interior Specialties Division, Gordon, Inc., 5023 Hazel Jones Road, Bossier City, LA 71111, (800) 747-8954, Fax (800) 877-8746, www.gordoninteriors.com, sales@gordoninteriors.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 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 Wall 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 .063", 3003-H14 alloy. [ASTM B 209 (ASTM BG 209M)]

OR

C. Galvanized Steel sheet, 18 gauge, G90 hot dipped galvanized, extra smooth spangle (ASTM A 653/A 653M-99)

D. Aluminum Extrusion Trims shall be 6063-T6 alloy. [ASTM B 221 (ASTM B 211M)]
   1. Two piece snap Top trims: WP-1 Top Base and WP-2 Top Trim.
   2. Two piece snap mid trims: WP-3 Splice Base and WP-4 Splice Trim Cover.
   4. Optional Two piece snap Reveal Trims:
      a. Two piece reveal snap Top trims: WP-1R Top Base and WP-2R Top Trim.
b. Two piece reveal snap mid trims: WP-3R Splice Base and WP-4R Splice Trim Cover.

5. Custom trims as specified______________________________.

E. MILLENNIUM® panels shall be three-dimensional material ¼” thick in sizes as shown on the drawings. Material shall be opaque in frontal view, with approximately 40% 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 Wall Panel shall be provided with a non-woven .008” thick black fabric, Class A, according to ASTM E-84. Material shall be provided to mount to blocking behind panel to produce a NRC of .70 when tested by an independent laboratory.

B. PVC encapsulated fiberglass may be employed in lieu of the non-woven fabric.

2.4 FABRICATION

A. Height of wall panels shall be up to 10'-0” without horizontal joints. (Note that maximum size of un-fabricated sheet is 60” in width) (Note: Larger custom sizes also available, contact factory).

B. Wall panels shall have either a closed or reveal vertical joint, as shown on the architectural drawings. All other details including base and ceiling details shall be fabricated in accordance with the architectural drawings.

2.5 FINISHES

A. Standard Interior Grade Finishes

1. MILLENNIUM 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. Paint color to be selected from:
   a. Gordon ACROGUARD® High Performance Powder Coat Color Chart, PDR-______________.
   b. Gordon Standard Powder Coat Color Chart, PDR-______________.
   c. Special Color ________________________________.

   OR

A. Exterior Grade High Performance Finishes


   a. All Column Covers shall receive a micro-etched pretreatment prior to receiving an electrostatically applied ACROGUARD®-UVX Powder Coat finish.

   b. All exposed surfaces must be coated. Finish shall be cured and oven baked to insure paint adhesion and uniform surface hardness.

   c. Paint to be selected from standard colors (or approved custom color).

2. High Performance Organic Coating Finish: AA-C12C42R1x (Chemical Finish: cleaned with inhibited chemicals; Chemical finish: acid chromate-fluoride-phosphate conversion coating;
Organic Coating: as specified below). Prepare, pre-treat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturer’s instructions.

   a. Fluoropolymer Coating System: Manufacturer’s standard 2, 3, or 4-coat thermo-cured system composed of specially formulated inhibitive primer, fluoropolymer color coat, and clear fluoropolymer topcoat, with both color coat and clear topcoat containing not less than 70% polyvinylidene fluoride resin by weight; complying with AAMA 605.2.

   b. Aluminum shall receive a factory applied and baked finish of 70% polyvinylidene fluoropolymer (PVDF) resin (Kynar® or Hylar®) OR If aluminum is to be field painted (Floated System), it should receive a factory-applied primer paint pre-treatment in Gordon Standard White (VX-132).

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Hylar 5000® is a registered trademark of Ausimont Montedison Group.

   c. Color & Gloss: To be selected from manufacturer’s standard available.

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.

   C. Wall Panels shall be inspected before installation to be free from dents, scratches, and other defects.

3.2 CLEANING

   A. Removal of protective covering shall occur immediately after installation to prevent adhesive transfer.

   B. Clean all surfaces following installation.

   C. 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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Flurocryl®, Fluoropon® and Fluponon 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.