

**Product Name**

Latitude Wall Panels

**Specification Section**

MasterFormat 07 46 10

**Manufacturer's Name**

Lenmak Exterior Innovations Inc.



March 26, 2017

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## PRODUCT DESCRIPTION

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### PRODUCT FEATURES

- DESCRIPTION
  - Factory fabricated metal wall or soffit panels with related flashings and accessory components.
  - Online technical information available at: <http://www.lenmak.com>
- BASIC USES / RELATED USES
  - Exterior wall and/or soffit finish installed with profiles running horizontally or vertically.
- PRODUCT ATTRIBUTES AND CHARACTERISTICS
  - Factory fabricated to standard profiles or custom designed to order and produced on demand.
  - Competitive lead times, due to automation and lean manufacturing processes. Rapid turn-around times.
  - Interlocking panel design permits fully concealed fastening.
  - Available in several pre-finished colours with no limits on production quantity.
  - Available in standard and metallic colours for use as accents or full extensions.
  - Designed to be best in aesthetics, performance and cost efficiency.
- SUSTAINABILITY CRITERIA
  - Panels are made from a combination of pre- and post-consumer recycled materials, and are 100% recyclable.
    - Aluminum Recycled Content: 24.7% pre-consumer and 55.8% post-consumer
    - Some panel colours have high Solar Reflectance Index (SRI) values, which can reduce the heat island effect
- APPLICABLE STANDARDS, RELATED REFERENCES
  - AAMA 611-14 Voluntary Specification for Anodized Architectural Aluminum
  - AAMA 2605-13 Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels
  - ASTM B209/B209M-10 - Standard Specification for Aluminum and Aluminum Alloy Sheet and Plate
- PERFORMANCE CRITERIA
  - System Design: Design and size components to withstand dead and live loads caused by positive and negative wind pressure acting normal to plane of wall as calculated in accordance with applicable code.

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- Thermal Movement: Provide for expansion and contraction within system components.
- Design expansion joints to accommodate movement in cladding and between cladding and structure to prevent permanent distortion or damage to cladding.
- Seismic Loads: Design and size components to withstand seismic loads and sway displacement as calculated in accordance with applicable code.
- Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
- **PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS**
  - Packaged onto skids or crates.
- **SPECIAL WARRANTY**
  - Warranties for paint finishes are available, and vary depending on the finish type. Consult Lenmak Exterior Innovations Inc. for further information.
- **LIMITATIONS**
  - Pre-finished post-formed metal panel assemblies may exhibit certain behaviors common to all fabricators. Panel surfaces may display a slight convex effect (pillowing) due to panel stresses during manufacture, fabrication, or installation. Oil canning is a moderate deformation of sheet metal surfaces, typically caused by uneven stresses at fastening points. Metal forming during panel fabrication may result fine cracks in finishes (crazing) at outer edges or bends. Excessive effects are a deficiency; mild “pillowing”, “oil canning” or “crazing” are not deficiencies.
  - Anodized aluminum is available by special request, but is not recommended for commercial projects. A finish warranty isn’t available for anodized aluminum.
- **AVAILABILITY**
  - Directly from Lenmak Exterior Innovations Inc.
- **COST**
  - Consult Lenmak Exterior Innovations Inc for specific product costs or relative costs.

## PRODUCT PROPERTIES

- **MATERIALS**
  - Panels: Aluminum, to 3003, 3105, 5052, or 5005-H32 to ASTM B209, 1.27 mm (0.050”) thick
  - Trim and Related Components: Same material and finish as panels

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- **PANEL SIZES**
  - Panel Coverage Dimension (includes reveal):
    - Based on 1 inch panel depth: 152mm (6 inch), 305mm (12 inch), or 457mm (18 inch)
    - Available widths vary by panel depth selected.
    - Custom widths are available; consult Lenmak Exterior Innovations Inc. for details.
  - Panel Reveal Dimension: 6 mm (0.25"), 13 mm (0.50"), 19 mm (0.75"), 25 mm (1.0"), or without reveal
  - Panel Depth: Ranges from 25 mm to 75 mm (1" – 3"). Custom depths are available; consult Lenmak Exterior Innovations Inc.
  - Minimum Panel Length: 457 mm (18 inches)
  - Maximum Panel Length: 6400 mm (21 feet)
- **ACCESSORIES**
  - Fasteners: As recommended by manufacturer in the following materials:
    - Long-term corrosion resistant coated aluminum
    - Stainless steel
  - Sealant and Backing Materials: Polyurethane or silicone type
- **SHOP FABRICATION AND ASSEMBLY**
  - Form metal profiles true to shape, accurate in size, square, and free from distortions.
  - Factory fabricated components ready for site installation.
  - Fabricate in longest practical lengths.
  - All preformed components are site assembled.
- **FINISH**
  - Aluminum Finishes:
    - Factory Painted Coating: PVDF Kynar 500 or Hylar 5000, 70% by weight resin, nominal 1.0 mil dry film thickness:
      - Available Colours: See manufacturer's standard colour guide
      - Minimum order may apply to non-stock finishes

## PRODUCT PLACEMENT

- **INSTALLATION**
  - Install supporting furring or framing secured to structural framing members, cast-in-place concrete structure, or structural concrete unit masonry.

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- Install panels in accordance with manufacturer's written instructions, and as indicated on shop drawings.
  - Separate dissimilar metals with permanent isolating material
  - Install assembly plumb and level, free of twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
  - Provide prefinished trim components to suit site conditions.
- WASTE RECYCLING
    - Any metal waste generated during installation is fully recyclable.

**Corporate Identification**

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MasterFormat 2014:

07 46 10 - Metal Siding

07 42 93 – Soffit Panels

OmniClass:

23-13 37 15 11 – Metal Exterior Siding

UniFormat:

B2010.10 - Exterior Wall Veneer

**END**