



Metalwërks[®] Metal-Lok Column and Beam Enclosures

ARCWALL METAL-LOK COLUMN AND BEAM ENCLOSURES PRODUCT DESCRIPTION

For use in exterior or interior structural enclosures on vertical, sloped, or horizontal columns using a variety of geometrical shapes and joint designs including a butt or open 5/8" reveal to receive a recessed batten strip or backer rod and sealant. A smooth cladding material comprised of solid metal for applications over columns using concrete, structural steel, stud backup or within curtain wall designs.

Escape the limitations imposed by other metal fabricators. Metalwerks customizes column covers to meet nearly any design and engineering need. Designer's have choices beyond typical cylindrical or square tubular cladding! Architects depend on our ability to go beyond normal industry standards.

FEATURES AND BENEFITS:

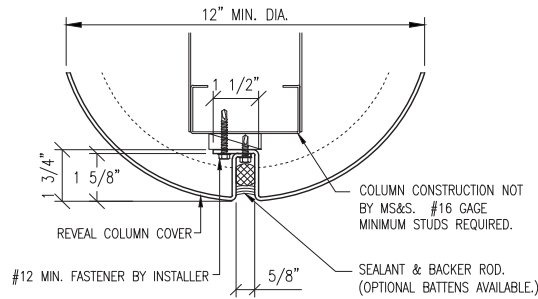
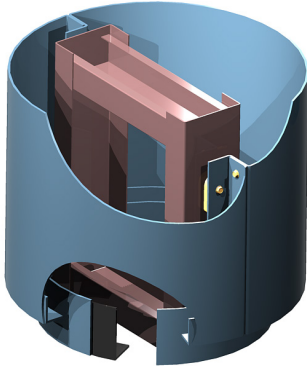
- + More abuse resistant than gypsum or fiberglass based products or Aluminum Composite materials.
- + Available in several choices of custom-designed, durable, versatile, low-maintenance metals.
- + Can be custom conformed to adapt to all types of geometric designs.
- + Virtually limitless palette of finishes, colors and textures.
- + Typically manufactured in solid 1/8 or 3/16" thick aluminum materials. Plate panels are NOT a composite of laminated layers of plastic or insulation core materials.
- + All panels are custom fabricated and not limited by minimum production runs.
- + All products are engineered and manufactured in-house.
- + Easily curved, contoured to radii down to 6" using precision rolling techniques.
- + Finishes are post applied after fabrication by licensed applicators to provide the highest quality of finish coverage.

- + Panels are 100% recyclable after their useful life and are manufactured from materials with high post consumer and industrial content which can contribute to LEED credits.
- + Available with no VOC Powder coat finishes.
- + Solid aluminum materials allow for forming techniques on curves, 3D profiles and difficult transitions without unsightly splices or joints common in composite materials.
- + Finish warranties up to 20 years. Consult factory for specific limitations.
- + Panels can be back-routed to provide "sharp" edges with a nominal 1/16" radius bend. Consult factory for product limitations.

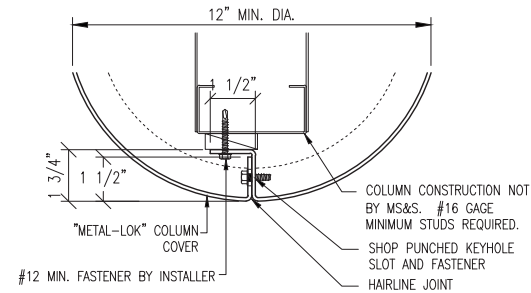
PRODUCT APPLICATIONS:

- + Enclosures for exposed columns beam or pilaster features.
- + Glazed or non-glazed Curtain wall applications.
- + Custom Duct Enclosures.
- + Enhanced interior lobby aesthetics.
- + Available with articulations, reveals and appliqué.

Metal-Lok Column and Beam Enclosures



Vertical Joint



Vertical Joint

ARCWALL METAL-LOK COLUMN AND BEAM ENCLOSURES APPLICATIONS

Metalwerks Metal-Lok Column (and Beam) Enclosures used as an un-insulated cladding system for applications to enclose structural steel or concrete columns or beams over a variety of substrates on interior or exterior commercial applications.

COMPOSITION & MATERIALS:

- + Standard substrates include minimum 0.080" to 0.125" aluminum, non-standard include 0.190" thick. (Other thicknesses subject to factory limitations).
- + Panels are constructed to a standard depth of 1-3/4" deep. Total system depth is 2-1/4" including 1/2" shim space for adjustment to construction tolerances.
- + Flanges are formed for standard 2 sided attachments (length of panel)
- + Finishes are applied after final panel fabrication.
- + Panels are stiffened to design loads using extruded aluminum profiles structurally welded at ends to the panel flanges and secured to the rear face of the panel with silicone adhesive to maintain panel flatness.
- + Panels are attached to cold formed metal framing backup as required by the project design in minimum 16 gauge G-90 galvanized steel.

SIZES:

- + Oval/Round Column Covers and Beam Wraps:
 - Minimum Diameter: 12"
 - Maximum Length: 192"
 - Maximum Panel Width: 64"
- + Rectangular/Square Column Covers and Beam Wraps..
 - Maximum Girth: 60" (subject to factory limitations).
 - Maximum Length: 192"

SHAPES OR PROFILES:

- + Round or square.
- + Elliptical & racetrack ovals.
- + Conical or tapered.
- + Non symmetrical articulations.

ACCESSORIES:

- + "Snug fit" spring loaded ceiling closures.
- + Welded mitered sections, end caps, base reveals, beam penetrations.
- + Access doors.
- + Sloped base, ceiling terminations.
- + Curved base, ceiling terminations.
- + Extruded or formed appliques.
- + Accent color reveals.

WARRANTY INFORMATION:

- + Material & Workmanship – Standard one year, two or five year options.
- + Finish Integrity – Standard – 10 year up to 20 years – consult