

# LEVEL 9

## Fixed

### Galvannealed Steel Vantage-Wall Barrier

#### Model: G-V12-Z

#### PART 1 GENERAL

##### 1.01 Description

The barriers shown on the plans and herein specified are the products of Kane Innovations, Erie, Pennsylvania. This manufacturer's name and products have been used to establish the standards of construction and quality of workmanship required for this project. Manufacturers bidding on this project must be actively engaged in the fabrication of specified items for a minimum of five (5) years prior to the bid date. Manufacturers requesting approval to bid their products as equal must submit to the Architect full-size drawings, including details of construction, and a complete operating barrier sample, ten (10) days prior to the bid date.

##### 1.02 Submittals

- A. Manufacturer shall submit shop drawings, showing details of attachment to surround materials and elevations showing scope of the project.
- B. Samples of materials as may be requested without cost to owner: frame sections, woven rod panel, fasteners, mullion section, corner section, etc.

##### 1.03 Warranty

The operation of the barrier supplied by Kane Innovations on the designated project is warranted for one (1) year against any proven defective material or parts, as called for in the specifications and approved shop drawings. This warranty does not cover abuse by others.

#### PART 2 PRODUCTS

##### 2.01 Acceptable Manufacturers

Kane Innovations, Erie, PA  
☎ (800) 773-2439

##### 2.02 Main Frame

- A. The main frame shall be built-up tubular type, measuring 1-3/4" [44.45] x 2-1/2" [63.5], with fixed concealment plates. The open channel frame members shall be formed of not less than 12-gauge A60 galvannealed sheet steel and shall have individual slots along the inner edges to support the woven rod panel. The corners of the main frame shall be notched for self-aligning and robotically welded. Braces, which are similar to the frame, shall be furnished when required.
- B. Concealment plates of 12-gauge A60 galvannealed steel shall be welded to the back of the main frame approximately 8" [203.2] on center to complete the tubular shape.
- C. Braces shall be built-up tubular type, measuring 1-1/4" [31.75] x 2-1/2" [63.5], with fixed concealment plates. Braces shall be formed of not less than 12-gauge sheet steel and furnished when required.

##### 2.03 Perimeter Channel

Perimeter channel shall be a formed channel 1-3/4" [44.45] x 2-1/16" [52.39] x 1-3/4" [44.45] of not less than 12-gauge A60 galvannealed sheet steel. Channels provided in stock lengths with factory punched 1/4" [6.35] diameter holes approximately 12" [304.8] on center for attachment to structure.

##### 2.04 Finish

All interior and exterior surfaces of the main frame, rods and concealment plates shall be thoroughly cleaned in a 5-step bonderizing process. The surfaces shall receive an electrostatically applied thermoplastic, polyester powder coating (2.5 mil min. thickness) which shall be applied and baked to a hard mar-resistant finish in one of Kane's standard colors.

- White
- Black
- Dark Bronze
- Beige
- Gray
- Custom colors are available at additional cost with submission of color sample.

##### 2.05 Rods

- Woven rod panels shall be fabricated from double crimped, low carbon, ASTM A641, pre galvanized steel 1/4" [6.35] diameter rods, woven with 2" [50.8] open space.
- Woven rod panels shall be fabricated from double crimped, low carbon, ASTM A641, pre galvanized steel 3/8" [9.52] diameter rods, woven with 2" [50.8] open space.

##### 2.06 Rod Attachment

Woven rod panels shall be installed symmetrically into the slotted main frame. Slots shall be centered according to the rod pattern. Each rod shall penetrate into each slot where it contacts the main frame. Every other rod shall be welded into the slot at both ends where it penetrates the main frame.

#### PART 3 EXECUTION

##### 3.01 Inspection

Verify that openings fit allowable tolerances are plumb, level, provide a solid anchoring surface and comply with approved shop drawings.

##### 3.02 Installation

- A. Install in accordance with approved shop drawings and specifications.
- B. Plumb and align faces in a single plane and erect barriers square and true, adequately anchored to structure.
- C. After completion of installation, barriers shall be adjusted, in working order and clean.

#### PART 4 ENVIRONMENTAL REPORTING

##### 4.01 LEED Materials and Resources

- A. Recycled Content: This product contributes toward satisfying Credit 4 under LEED.
- B. Regional Material: This product can contribute toward satisfying Credit 5 under LEED.