

Suggested Specifications For Model CGSL Gasketed Aluminum Stop Log System

Part 1 - General

- 1.01 Description
 - A. **Work Included:** Provide flood barrier(s) factory assembled with frame(s) and hardware in accordance with the contract documents.
- 1.02 Standards
 - A. Comply with the provisions of (as applicable).
 1. AWS Structural Welding Code D1.
 2. ASME Structural Welding Code Section 1X.
- 1.03 Submittals
 - A. **Manufacturers Data:** Submit installation and maintenance instructions for flood barriers.
 - B. **Shop Drawings:** Submit shop drawings for flood barriers including dimensioned plans and elevations, sections, connections and anchorage, and parts list.
 - C. **Calculations (Optional):** Submit calculations, approved by a qualified engineer, to verify the barrier's ability to withstand the design pressure loading.
- 1.04 Qualifications
 - A. **Experience:** The manufacturer of the flood barrier(s) shall present evidence attesting to at least 5 years of successful experience in the design and manufacture of both the flood barrier and flood barrier seal of the type specified.

Part 2 - Products

- 2.01 Flood barrier shall be Model CGSL as manufactured by Presray Corporation.
- 2.02 Materials
 - A. **Stop Logs:** Presray PR17481 6063T5 aluminum channels.
 - B. **Conversion Frame:** Jambs low carbon steel; sills aluminum.
 - C. **Finish:** Stop logs aluminum; steel jambs brush-off blast clean per SSPC-SP7, primed with one coat Sherwin Williams Kem Flash rust inhibitive, lead free, red primer E6I-R-26, or equivalent.
 - D. **Gasket:** Presray type PR18085 low compressed set gaskets mechanically retained in the stop logs; PR17496 low compression set gaskets on jambs.

- E. Hardware: 18-8 stainless steel fasteners stored in place on stop log components (no loose parts).
- 2.03 Design
 - A. Stop logs shall be designed with a minimum 2:1 factor of safety based on material yield strength, and shall provide an effective seal against the design flood level.
 - B. Frame shall have mounting holes for expansion anchors and bolts (options available include epoxy anchors for block walls, and studs for embedment in concrete).

Part 3 — Execution

- 3.01 Installation
 - A. Install flood barriers in accordance with manufacturer's instructions and approved shop drawings.