

3-Part CSI Specifications

FASTLOGS-Gasketed Aluminum StopLog System

These specifications are intended to be used as a guideline for architects and engineers as they establish the requirements for a particular project, and may be modified by them as deemed appropriate.

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.
 - (2) ASME Structural Welding Code Section IX.

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 FASTLOGSTM-SD AS MANUFACTURED BY PRESRAY CORPORATION.

2.02 MATERIALS

- a.) Stop Logs: Presray AL606-T6 aluminum channels.
- b.) Frames: Presray AL606-T6 Jamb Extrusion; no sills necessary unless mandated by Presray Engineering. Steel jams optional for certain conditions.
- c.) Finish: Stop logs mill-finish aluminum; jams mill-finish aluminum. Steel jams (if used) primed with one coat rust inhibitive, lead free, red primer.

- d.) Gasket: Presray type high-density closed cell neoprene sponge with skin, retained in the stop logs and jambs.
- e.) Hardware: Presray Compression Brackets; Presray Hold Down Brackets; KN8C Turn Knobs.

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 concrete anchors and bolts (options available include epoxy anchors for block walls, and studs for imbedment in concrete).

PART 3 - EXECUTION

3.01 INSTALLATION

- a.) Install flood barriers in accordance with manufacturer's instructions and approved shop drawings.

PART 4 - WARRANTY

- 4.01 1-YEAR LIMITED AGAINST DEFECTS AND WORKMANSHIP FROM DATE OF SHIPMENT.