Rodney Hunt

A ZURN *Company*

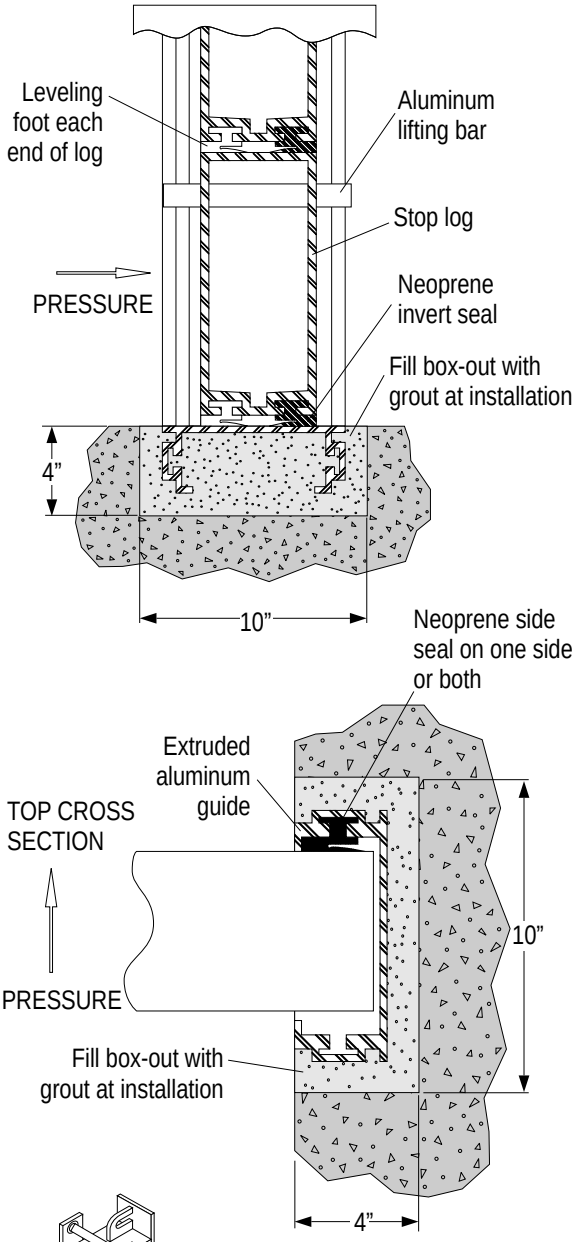
Stop Logs

stop

Logs

Rodney Hunt

Aluminum Stop Logs

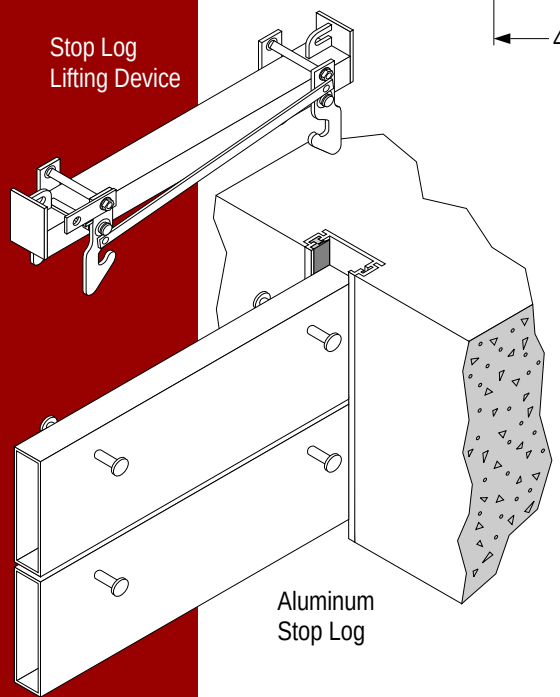


- Extruded aluminum stop logs provide long life and easy handling.
- Water level can be controlled by adding to, or deducting from, the number of logs used.
- Stop log lifting device available far ease of handling

Stop logs have been used for many years for level and flow control in open channel flow. Because of its low weight and ease of handling, aluminum is the most commonly used material for stop logs. Stainless steel stop logs are also available.

A resilient seal is placed along the bottom of each stop log. If low leakage is a requirement, additional seals are placed in the guides for their full length. The guides are mounted on the face of the concrete or embedded in the concrete walls. Guides should be aluminum, but are also available in stainless steel or cast iron.

Stop logs are normally put in place using a stop log lifting device and an overhead crane. A latching lever on the lifting device is provided to engage or disengage the stop logs.



Stop Logs

Aluminum stop logs with extruded aluminum guides, shown here with the lifting device used to install and remove the logs.

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Aluminum Stop Logs Specification

1. GENERAL

This specification relates to the design, materials of construction, fabrication and furnishing of aluminum stop logs with appurtenant seals, guides, frame, lifting lugs and accessories, required for the complete and proper operation of the system. The stop logs will be as manufactured by Rodney Hunt Company or approved equal. Manufacturers shall submit as a minimum a list of ten projects with stop log installations. The list shall include project name, contact, telephone number, years of service, size and method of operation.

2. MATERIALS

All component parts will be of the type of material shown and conform to the standards designated in this section.

Component Item	Extruded Aluminum Stop Log
1. Log, Lifting Lugs, Frame	Aluminum B306 6061T6
2. Seals	
Bottom: HY-Q	Neoprene D2000, Grade AA625
Sides: J-Seal	Neoprene D2000, Grade 2BC515

3. GENERAL DESCRIPTION

A. Log The log shall be of one-piece extruded aluminum. The log shall not deflect more than 1/360 of the span of the log under the design head. The bottom of the log shall be extruded in a way to accept a specially extruded resilient seal to provide a flush bottom closure. The shape of the lip seal shall provide a seating surface having a minimum width of 1". The vertical face of the seal shall be in contact with the seating surface of the guide or seal located on the frame to provide a proper seal at the corners. End caps will not be allowed on the stop logs. Logs to be of sufficient weight to be submerged under their own weight.

B. Guides The guides shall be of extruded aluminum. The guides shall be designed for maximum rigidity and will be provided with a flange on the back of the guides for the embedded type to lock it into the concrete, or with a side angle for surface mounting using anchor bolts. The invert of the frame shall be a channel welded to the lower ends of the guides to form a sealing surface for the resilient seal mounted on the disc.

C. Hardware All necessary attaching bolts and anchor bolts shall be stainless steel and furnished by the stop log manufacturer.

D. Lifting Device one lifting device shall be provided for each stop log width. The lifting device shall be equipped with suitable connecting points for crane operation. The device shall be guided by the slot of the guide extrusion and shall be capable of securing and releasing the stop logs with the use of a lanyard from the operating floor.

4. WELDING

All welding will be done in accordance with AWS D1.2 for aluminum and AWS D1.3 for stainless steel.