

Architecture Metals Ltd. Co.

**GENERIC OEM
Original Equipment Manual**

**FLOOD LOGS
INSTALLATION AND
MAINTENANCE MANUAL**

**HAVE YOUR SITE SPECIFIC SHOP DRAWING AVAILABLE
AS A REFERENCE TO THE GENERAL NOTES AND
INSTALLATION DETAILS BELOW**

Handling and Storage:

General: The Aluminum Flood Logs supplied for this project are virtually maintenance free. However, there are certain things you should bear in mind concerning their proper care, storage and handling.

The Flood Logs are deployed when an impending storm is threatening the area. When it is time to install the Flood Logs, time is of the essence and proper storage of the Flood Logs will greatly aid in the speedy deployment and installation of the Flood Logs.

For proper handling and storage the following guidelines should be followed:

- ❑ When storing, stack Flood Logs one on top of the other metal side down.
- ❑ Stack Flood Logs so gaskets in adjacent stacks do not touch each other. Typically, you can stack three (3) Flood Logs on a pallet per layer.
- ❑ Do not stack or store anything on top of the logs, this could cause damage to the logs.
- ❑ The floor on which the logs are stored should be free of sand, pebbles and debris. Debris embedded in the gasket material may prevent the proper sealing of the gasket material.
- ❑ Logs should always be handled by two individuals. Dragging or sliding of the logs on the neoprene gasket surface may damage the gasket material and interfere with the sealing capability of the gasket.

Installation of Flood Logs:

The following steps need to be followed in order to ensure that the Flood Logs are installed in the proper manner to provide leak-free operation:

- ❑ Locate the associated Flood Barrier that corresponds with the openings you are about to install.
- ❑

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- ❑ Move the barrier to the desired location taking care not to damage the sealing flanges or the sealing gaskets in any way.
- ❑ Using a screwdriver remove the sidewalk bolts from the floor and the walls of the opening, retain the bolts for installation of the barrier.
- ❑ Using a broom, clean the floors of any and all debris in the area where the barrier is to be installed.
- ❑ Inspect barrier gasket removing any debris from the gasket material. In order for the gasket to properly seal it must be free from all debris.
- ❑ Utilizing two individuals lift the barrier and move into place. Lower barrier into place taking note to align barrier bolt holes with the holes in the floor.
- ❑ Install the two end bolts for alignment purposes, do not tighten the floor bolts at this time.

For Wall Mount Logs:

- ❑ Install the top and bottom wall bolts on each wall at this time to ensure proper alignment
- ❑ Install the remaining floor and wall bolts at this time.
- ❑ Tighten down the floor bolts until snug, turn sidewalk bolts an additional half turn to compress the gasket. Note: Care must be taken to ensure that the bolts are not over-tightened, this could result in the bending of the sealing flange and cause the barrier to leak.
- ❑ Tighten down the wall bolts in the same manner as described for the floor bolts.

For Trapped Logs:

- ❑ For logs where one side is trapped, as in a projecting wall application, follow the procedure as described above but when securing the bolts be sure to secure the bolts on the trapped wall first, followed by the floor bolts and finally the wall mounted flanges.

For Logs with Braces:

- ❑ Once the logs have been secured at the floor and walls the braces should be installed.
- ❑ Install the brace floor bracket first with the associated sidewalk bolts, all 4 bolts should be installed loosely for alignment purposes.
Note: The brace floor brackets (angles) do not have gaskets, they are not required at this location.
- ❑ Install the single through bolt connecting the brace to the barrier-mounted bracket.
- ❑ Secure the brace bracket floor bolts.
- ❑ Secure the single through-bolt connecting the brace to the barrier.

Removal of Flood Logs:

- ❑ Remove all braces and floor mounted brackets.
- ❑ Remove all floor bolts followed by all wall bolts.
- ❑ Lift logs clear of the opening and replace all bolts in their respective locations.
- ❑ Return all logs to the storage location and store as outlined in the handling and storage section of this manual.