



Washington State Department of Transportation



American Public Works Association  
Washington State Chapter

# Technical Commentary for Standard Plan B-30.10 Rectangular Frame (Reversible)

## General Information

This plan covers the frame used when placing a catch basin, its designed to hold the herringbone, vaned, and solid metal cover. The frame itself can be installed with the flange up, or down.

When installed flange down, the frame is normally set on a precast adjustment section, or directly on a CB Type 1, 1L, or 1P.

When installed flange up, the frame shall be cast directly into a precast adjustment section making it a monolithic component. The frame shall be placed in the adjustment section so the flange is flush.

When the frame is installed on a CB Type 2, it is always used with a concrete adjustment section, and may be installed either flange down, or cast into it.

Bolt down capability is required on all installations.

## Updates / Comments

For revision history see <http://www.wsdot.wa.gov/Design/Standards/ManualArchive.htm>

## Applicable Specifications

9-05.15 Metal Castings

9-05.15(2) Metal Frame, Grate, and Solid Metal Cover for Catch Basins and Inlets

## Referenced Standard Plans

B-5.20	Catch Basin Type 1
B-5.40	Catch Basin Type 1L
B-5.60	Catch Basin Type 1P (for parking lot)

B-10.20	Catch Basin Type 2
B-25.60	Concrete Inlet
B-30.20	Rectangular Solid Metal Cover
B-30.30	Rectangular Vaned Grate
B-30.40	Rectangular Bi-Directional Vaned Grate
B-30.50	Rectangular Herringbone Grate
B-30.90	Miscellaneous Details for Drainage Structures

**Other Information**

This commentary sheet is maintained by the Olympia Headquarters Hydraulics Office. Please send any suggestions for additions or modifications to :

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