

STOP GATES

Waterman Stop Gates (also called stop plates) are manually-lifted gates that are installed in open channels to stop or divert water flows. These gates are commonly manually lifted and can be fitted with either rod handles or a slot grip for hand placing. Guide rails for embedded, flatback or channel mounting are available. These gates are designed for a maximum head of one foot over the slide, unless otherwise specified.

Options available include “J” Bulb seals for minimum leakage, ultra high molecular weight polyethylene seats for increased ease of operation and special cut outs such as “V” notch or slot openings for water measurement.

All frames feature welded construction. Slides are minimum ¼” thick to minimize deflection and contribute to long gate life.

Available in an almost unlimited range of sizes and configurations, Waterman stop gates can be manufactured from aluminum, steel, or stainless steel.



STOP GATES

SPECIFICATIONS

GUIDES

The gate frame shall be a rigid, welded unit with a clear opening the same size as the waterway, unless otherwise specified.

The guides shall be of structural or stainless steel shapes or aluminum extrusions. The guides will be of the length specified.

Additional members will be added to the frame as required for flushbottom closure, spigots, and “J” Bulb seals

SLIDE

The slide shall be plate reinforced with structural shapes welded to the plate. The slide shall not deflect more than 1/360 of the span of the gate under maximum head.

FLUSHBOTTOM CLOSURE

When indicated on the plans or in the gate schedule, gates shall be furnished with a flush seal arrangement. A resilient neoprene seal shall be securely attached to the frame along the invert, and shall extend to the depth of the guide groove.

“J” BULB SEALS

When an unseating head is shown on the plans, or specified in the gate schedule, the gate shall be provided with “J” Bulb seals along the sides of the gate. Seals shall be mounted on the frame, such that seals do not protrude into the specified opening of the gate.

OPTIONAL UHMWP SEALS

Gates shall be furnished complete with ultra high molecular weight (U.H.M.W.) polymer seats which contact the slide face.

For steel and stainless steel gates, ultra high molecular weight bearing strips shall be mechanically retained to lock seat in place. For aluminum gates, strips shall be installed in dovetail grooves in the extruded frame.

MATERIAL OPTIONS

Frames and Slides

Mild steel - ASTM A-36, or

Stainless Steel - ASTM A-276, Type 304 or 316 as specified, or

Aluminum - ASTM B-209 and B-211 alloy 6061-T6

Fasteners and Anchor Bolts

Stainless Steel - ASTM A-276, Type 304 or 316

Flushbottom Seals and “J” Bulb Seals

Rubber - ASTM D-2000 BC 610/615 or other suitable composition for extended use in water and sewage

Finish

Manufacturer’s Standard Paint on mild steel

Optional - Galvanize per ASTM A-123

Mill finish on all aluminum and stainless steel



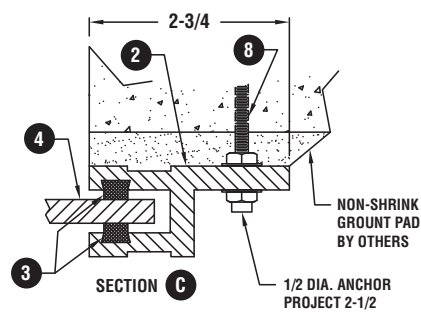
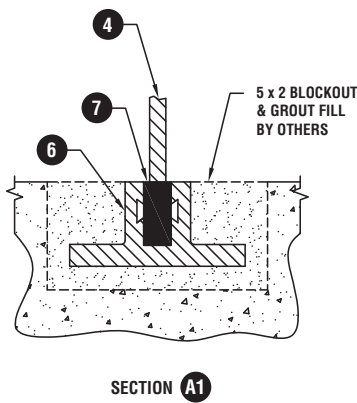
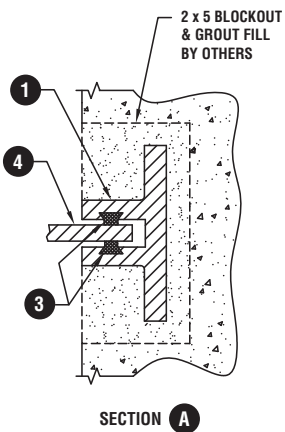
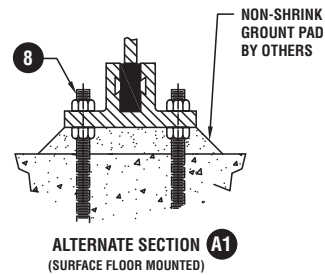
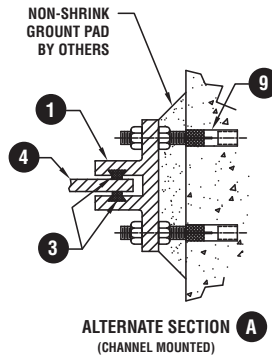
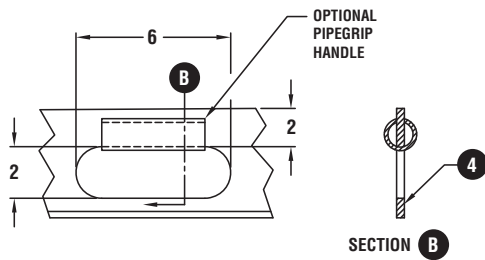
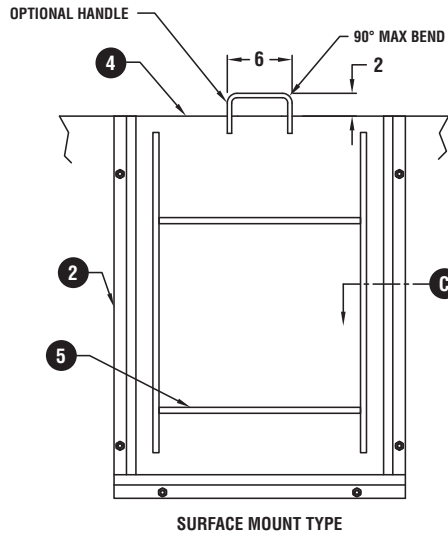
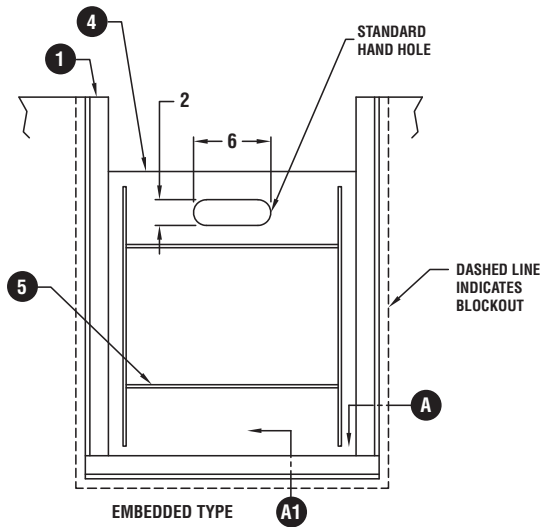
MPI – MCWANE PLANT & INDUSTRIAL

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Kennedy Valve | Tyler Union | McWane Ductile | Waterman

STOP GATES

ALUMINUM STOP GATE TYPICAL DRAWINGS



PARTS LIST

No.	Name
1	Guiderrail
2	Guiderrail
3	Bearing Strip
4	Slide
5	Strong Rib
6	Flushrail
7	Flushseal
8	Epoxy Anchor
9	Drop-in-Anchor



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