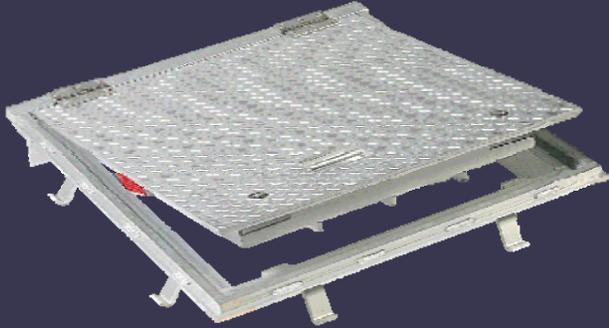


FLOOD-RESISTANT



W-APS & W-AHS Access Hatches

Flush installation, designed for 25 ft (7.6 M) head of water and reinforced for pedestrian or H-20 wheel loading



FPS Access Hatch

Above-grade installation, designed for 10 ft (3 M) head of water and reinforced for pedestrian loading, new and retrofit applications



U.S.F. Fabrication's flood-resistant access hatches are engineered for installation in areas subject to temporary flooding conditions.



W-APS and W-AHS covers are gasketed and reinforced to withstand floodwater pressure

Manufacturing a complete line of engineered metal products for the construction industry, we set the standard for quality, service and innovation. For product specifications and details, visit:

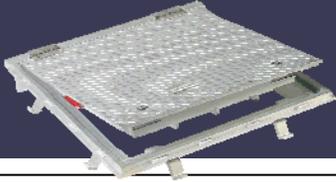
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Manufacturing in the USA since 1916

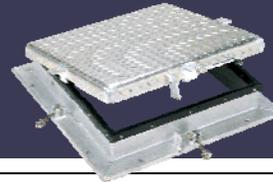
U.S.F. Fabrication, Inc., Hialeah, Florida USA 1-800-258-6873 Fax: 305-882-1577 service@usffab.com
Outside USA & Canada: 1-305-364-8221 Fax: 1-305-512-7721 export@usffab.com

FLOOD-RESISTANT HATCHES



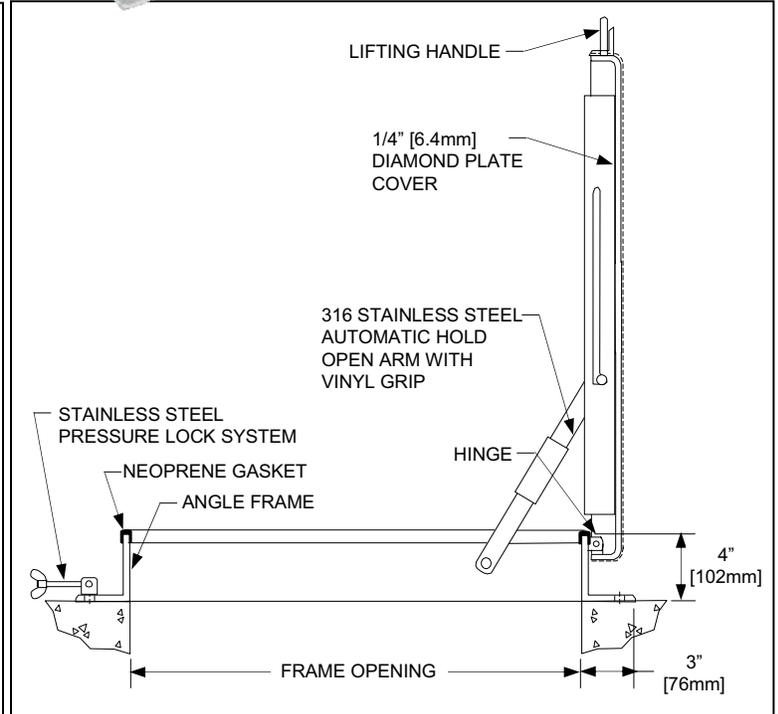
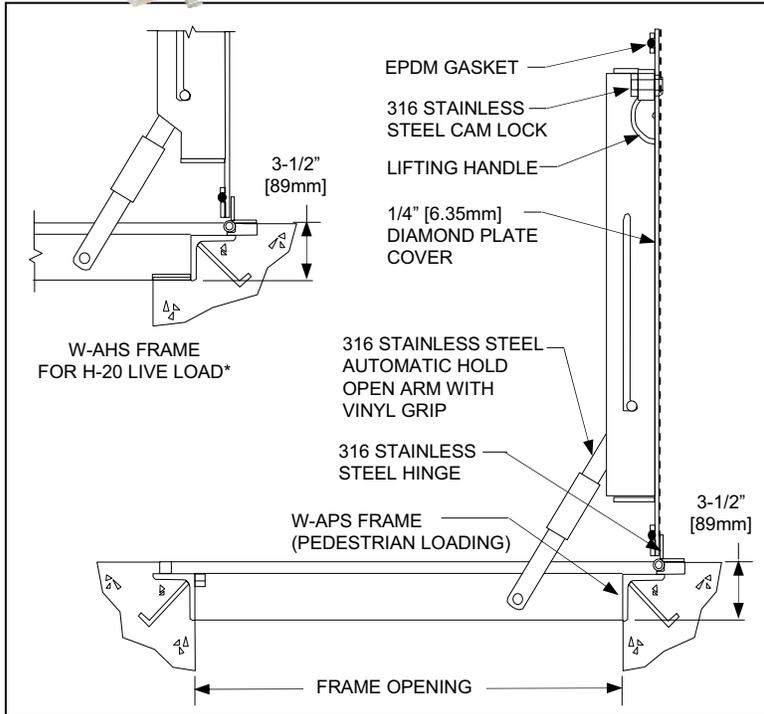
Model W-APS & W-AHS

Flush installation, designed for 25 ft (7.6 M) head of water and reinforced for pedestrian or H-20 wheel loading



Model FPS

Above-grade installation, designed for 10 ft (3 M) head of water and reinforced for pedestrian loading, new and retrofit applications



SPECIFICATIONS: W-APS & W-AHS

The floodtight access hatch shall be (*specify Model W-APS or W-AHS*) as manufactured by U.S.F. Fabrication, Inc., Hialeah, Florida with the size being specified on the plans.

Cover: Cover shall be 1/4" [6.4mm] aluminum diamond plate with continuous 9/16" [14.3mm] diameter EPDM gasket around the perimeter and reinforced for (*specify 1560 PSF (pedestrian), or AASHTO H-20**) live load, and capable of holding up to 25 ft. [7.6 M] head of water. Cover shall be equipped with a flush lifting handle and 316 stainless steel hold-open arm with red vinyl grip that automatically locks the cover in the 90 degree open position.

Frame: Frame shall be 3/8" [9.5mm] aluminum angle with 3/16" x 1-1/2" [4.8mm x 38mm] strap anchors welded at 18" [457mm] on center around the perimeter.

Hinges: Hinges shall be 316 stainless steel.

Latches: Latches shall be 316 stainless steel cam locks.

Finish: Cover and frame shall be mill finish aluminum. Hardware shall be 316 stainless steel.

Installation: Installation shall be in accordance with the manufacturer's instructions.

Warranty: The hatch shall be manufactured in the United States. Manufacturer shall guarantee against defects in materials and workmanship for a period of ten [10] years.

* Model W-AHS is intended for off-street locations that may occasionally receive AASHTO H-20 wheel loads (not for direct traffic applications). Upon request, the manufacturer shall provide structural calculations stamped by a registered professional engineer, which certify the design meets the requirements of AASHTO H-20.

STANDARD SIZES (custom sizes are available)

FRAME OPENING In (mm) Width x Hinge Side	
24 x 24 [610 x 610]	30 x 36 [762 x 914]
24 x 30 [610 x 762]	30 x 48 [762 x 1219]
24 x 36 [610 x 914]	36 x 36 [914 x 914]
30 x 30 [762 x 762]	36 x 48 [914 x 1219]

SPECIFICATIONS: FPS

The floodtight access hatch shall be Model FPS as manufactured by U.S.F. Fabrication, Inc., Hialeah, Florida, with the size being specified on the plans.

Cover: Cover shall be 1/4" [6.4mm] aluminum diamond plate reinforced for 625 psf [3049 kg/m²] live load and capable of holding up to 10 ft [3 M] head of water. Cover shall be equipped with a lifting handle and 316 stainless steel hold-open arm with red vinyl grip that automatically locks the cover in the 90 degree open position.

Frame: Frame shall be 3/8" [9.5mm] aluminum angle with 9/16" [14.3mm] diameter mounting holes for bolting to top slab. A U-shaped neoprene gasket shall be riveted to the frame.

Hinges: Hinges shall be aluminum lugs with 316 stainless steel pins.

Latches: Latches shall be 316 stainless steel pressure locks with exterior staple for padlock.

Finish: Cover and frame shall be mill finish aluminum. Hardware shall be 316 stainless steel.

Installation: Installation shall be in accordance with the manufacturer's instructions.

Warranty: The hatch shall be manufactured in the United States. Manufacturer shall guarantee against defects in materials and workmanship for a period of ten [10] years.

OPTIONS

- Compression spring operators for ease of operation
- Fiberglass insulation in cover with metal liner
- Stainless steel safety chains and posts
- Fall through prevention systems
- Bituminous coating on surfaces in contact with concrete
- Anodized or electrostatic powder coated finish
- All stainless steel construction
- Custom lettering

