



Type THS & THD  
AASHTO H20-44 ALUMINUM FLOOR ACCESS DOORS

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VENDOR DATA

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Type THS & THD  
AASHTO H20-44 ALUMINUM FLOOR ACCESS DOORS

MATERIAL DATA SHEET

1. Door leaf shall be ¼-in. thick mill finish type 5052 aluminum diamond pattern plate, reinforced with a ¼-in. aluminum flat bar to achieve an AASHTO H-20-44 wheel load rating.
2. Frame members shall be ¼-in. thick 6063-T5 mill finish aluminum extrusion.
3. The following items shall be Type 316 Stainless Steel: hinges, hold-open arm and all attaching hardware.
4. Units shall carry a Ten (10) year Guarantee against defects in material and/or workmanship.

\*5052 has excellent resistance to corrosion--especially in a marine environment, good workability, weld ability, and good finishing characteristics.

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STANDARD FEATURES:

- 316 stainless steel hold-open arms with secondary latch mechanism/release handle
- 316 stainless steel hinges and tamper resistant attaching hardware
- Cast aluminum lift handle
- EDPM odor reduction gasket
- 1 ½" threaded drain coupling
- Stainless steel open horizontal springs
- 316 stainless steel watertight slam lock with threaded plug
- Single or double leaf construction
- AASHTO H20-44 wheel load rating
- 10 Year warranty against defects in material and workmanship
- Adhesive backed vinyl covering to protect the cover during shipping and installation.

## Type THS & THD

### AASHTO H20-44 ALUMINUM FLOOR ACCESS DOORS

#### SPECIFICATION

The floor access door shall be Model THS (single leaf) or THD (double leaf) as manufactured by U.S.F. Fabrication, Inc. with the size being specified on the plans.

Door leaf shall 1/4-inch thick aluminum diamond plate reinforced to an AASHTO H20-44 live wheel load. (The floor access door is designed for off-street locations that may occasionally receive AASHTO H-20-44 wheel loads).

The drainable frame shall be minimum 1/4" in. thick extruded aluminum with an integral anchor flange and door seat on all four sides.

The floor access door shall be equipped with a flush lifting handle that does not protrude above the cover, and a 316 stainless steel hold open arm with a secondary latching mechanism/release handle that secures the cover in its full upright, open position.

The door shall have 316 stainless steel hinges with 316 stainless steel tamper resistant bolts/locknuts.

The door shall have stainless steel open horizontal springs to assist in opening the cover and reducing the force during closing.

The door shall be equipped with a 316 stainless steel watertight slamlock with threaded plug, removable outside key and fixed inside handle. The slam lock latches onto a 316 stainless steel striker plate that is bolted to the frame.

All parts of the frame in contact with the concrete shall have a coating of bituminous paint.

An adhesive backed vinyl material that protects the product during shipping and installation shall cover the entire top of the frame and cover.

Installation shall be in accordance with the manufacturer's attached instructions. The door shall be manufactured and assembled in the United States.

Manufacturer shall guarantee the door against defects in materials and workmanship for a period of ten (10) years.

## Type THS & THD

### AASHTO H20-44 ALUMINUM FLOOR ACCESS DOORS

#### STORAGE, HANDLING, INSTALLATION and MAINTENANCE

##### STORAGE:

Prior to installation floor access doors should be stored in a dry area that is free of dirt and debris. Floor access doors should be stored on the original shipping pallets.

##### HANDLING:

Standard practice precautions should be taken whenever handling or moving palletized floor access doors by forklift.

##### INSTALLATION:

For proper installation, U.S.F. Fabrication, Inc. recommends the following:

1. Formwork must be flush to the inside of frame.
2. Secure unit to formwork using standard construction practices.
3. When pouring concrete, cover should be in the closed position.
4. Concrete to finish flush with top of unit framework.
5. Unit shall be left in framework for not less than 24 hours.
6. Clean all excess concrete from frame, cover seat; and in the case of a trough type frame, the drainage coupling.

## MAINTENANCE:

Since all components of the floor access doors manufactured by U.S.F. Fabrication, Inc. are manufactured of aluminum or stainless steel, they require minimal maintenance. For optimum product life the manufacturer recommends the following procedures be performed annually:

1. Apply graphite to the interior of all locking devices.
2. Apply a light coating of machine oil to all hinges and hardware.
3. Remove all debris from the cover seat and around hinges.
4. Check and tighten any loose hardware.
5. In the case of a trough frame model, remove loose debris from the trough.

## **QP1090-1 LIMITED WARRANTY**

**USF Fabrication Inc.** warrants the following products against defects in material or workmanship from the time of delivery:

- **Steel Hatches and Access Doors- 5 years**
- **Aluminum Hatches and Access Doors- 10 years**
- **Miscellaneous Fabrication- 1 year**

USF Fabrication Inc. will pay labor and standard freight costs for warranty service for the product warranty period from the time of delivery.

USF Fabrication Inc. sole obligation under said warranty is to repair, or at its option, replace the defective part. The buyer shall have no other remedy. All special, incidental and consequential damages are excluded.

The warranty shall be voided by alterations of equipment except by USF Fabrication Inc., or tampering with, improper installation or maintenance, accident or misuse. This warranty expressly excludes all damage to these products resulting from careless or neglectful transportation.

USF Fabrication Inc. will not be responsible for any warranty work done without first obtaining USF Fabrication's written consent.

Except as provided herein, USF Fabrication Inc. shall have no LIABILITY OR RESPONSIBILITY to customer or any other person or entity with respect of liability, loss or damage, or alleged to be caused directly or indirectly by our products.

For Warranty service, customers must contact USF Fabrication Inc. - Customer Service Department Toll free at 1-800-258-6873.

This warranty gives you - the Consumer specific legal rights, and you may also have other rights which vary from state to state.

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