

SECTION 05540
ACCESS HATCHES

PART 1 - GENERAL

1.01 SCOPE OF WORK

The Contractor shall furnish and install access hatches, frames and accessories, where shown on the Drawings, and as specified herein.

1.02 QUALITY ASSURANCE

- A. Codes: Access hatches shall conform with South Florida Building Code and OSHA requirements.
- B. Manufacturer: Company specializing in manufacturing products specified in this section with minimum five years documented experience.

PART 2 - PRODUCTS

2.01 HATCHES

A. General:

1. Hatches for valve vault shall be aluminum when outside of the right-of-way and shall be steel when in public right-of-way. In all cases hatches shall be double door type designed for AASHTO H-20 wheel loads.
2. The access hatches shall have spring loaded covers for easy opening, recessed padlock and automatic 90-degree hold-open arms. Hatches shall be equipped with a flush drop handle which does not protrude above the cover. Hinges shall be all stainless steel with tamper proof stainless steel bolts and nuts, and shall be removable for maintenance after the access hatch is cast in place. Access hatches shall be furnished with a safety chain (double door leaf design). Access hatch shall have a stainless steel slamlock with removable outside handle and fixed inside release handle and shall be equipped with stainless steel compression springs.
3. When mounted, door leaf shall be flush with the top surface of the frame, with the exception of the projecting lugs. Hatches shall be of skid proof design.
4. Hardware shall be AISI Type 316 stainless steel. Aluminum used in the construction of the access hatches shall conform to Section 05140.

B. Valve Vault:

Valve vault hatch shall be Type AHD as manufactured by U.S.F. Fabrication, Inc., Hialeah, Florida, modified as specified herein, or approved equal.

C. For Submersible Pump Type Pump Stations:

1. Access hatches shall be U.S.F.F. Inc. Type AHD aluminum double door designed for AASHTO H-20 wheel loads, modified as specified herein, or approved equal.
2. Frame shall be furnished with upper guide holder, level sensors cable holder and stainless steel compression springs. Frame shall be securely placed and mounted above the pumps.
3. The access hatches shall have spring loaded covers for easy opening, keyed lock and automatic 90-degree hold-open arms. It shall be equipped with recessed lock and a flush drop handle which does not protrude above the cover. Hinges shall be all stainless steel with tamper proof stainless steel bolts and nuts, and shall be removable for maintenance after the access hatch is cast in place.

D. For Wet Well/Dry Well Type Pump Stations:

1. Access hatches shall be U.S.F.F. Inc. Type THD double door for the dry well and Type AHD single door for the wet well designed for AASHTO H-20 wheel loads, modified as specified herein, or approved equal.
2. Frame shall be furnished with stainless steel compression springs.
3. The access hatches shall have spring loaded covers for easy opening, keyed lock and automatic 90-degree hold-open arms. It shall be equipped with recessed lock and a flush drop handle which does not protrude above the cover. Hinges shall be all stainless steel with tamper proof stainless steel bolts and nuts, and shall be removable for maintenance after the access hatch is cast in place.
4. Frames shall be 1/4-inch thick minimum extruded aluminum with mitered and welded corners, and with strap anchors bolted or welded to the frame for embedment into the concrete slab. Frame depth shall be at least 2-1/2 inches below the horizontal top surface of the hatch doors. The exterior portion of the frames which will be in contact with the concrete, and the strap anchors, shall be painted with a factory applied bituminous coating. Run PVC pipe drain from frame to sump in dry-well.

PART 3 - EXECUTION

(Not Used)

END OF SECTION