

“LDT” Style Pedestrian Rated Channel Frame Aluminum Hatch

Style “LDT” access hatch, as manufactured by Syracuse Castings, Cicero, NY 315-699-2601

Material shall be 6061-T6 aluminum for bars, angles and extrusions. 1/4” diamond plate shall be 5086 aluminum.

Design of each access hatch shall conform to O.S.H.A. standard 1910.23

Unit designed for pedestrian traffic, for a minimum live load of 300-lbs./sq. ft.

Deflection shall not exceed 1/150th of the span.

Channel frame shall be of extruded aluminum, with concrete anchors welded to exterior of frame. Frame shall have a dovetail groove to accept a 1/8” silicone cushion gasket. Channel frame shall be a minimum of 1/4” thick.

Each door shall be equipped with a stainless steel automatic hold open arm. **To highlight this safety device, the hold open arm must be supplied with a red powder coat finish.** Doors shall lock open in the 90-degree position. Hold open arms shall be fastened to the frame with a 1/2” grade 316 stainless steel bolts. **Hold open arms not supplied with red powder coat finish shall not be considered equal.**

Each hatch shall be supplied with a exposed padlock clip (padlock by others).

Each “LDT” style hatch is supplied with a 1-1/2” threaded drain coupler out the bottom of channel frame for pipe connection.

Aluminum shall be supplied with mill finish.

Hinges shall be of heavy-duty design. Material shall be stainless steel with a 3/8” grade 316 stainless steel pin. Hinges shall be bolted to the channel frame and diamond plate, with grade 316 stainless steel bolts and ny-lock nuts. **Aluminum hinges, or stainless steel hinges not utilizing a 3/8” diameter stainless steel pin shall not be considered as equal.**

Each cover shall be equipped with an aluminum lift handle. The lift handle shall be flush with the top of the 1/4” diamond plate.