



# CLN1 & CLN2 Style Pedestrian Rated Channel Frame Aluminum Hatch Specification

Style "CLN1 & CLN2" access safety hatch, as manufactured by EJ.

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. Channel frame shall be a minimum of 1/4" thick.

Covers shall be equipped with a cast stainless steel hold open arm with pull handle integrated into the casting. To highlight the hold open arm feature, the entire hold open arm must be supplied with a "red" powder coat finish. Any hold open arm not supplied with red powder coat finish shall not be accepted. Doors shall automatically lock open in the 90-degree position. Hold open arm shall be fastened to the frame with a 1/2" grade 316 stainless steel bolt.

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

Each "CLN1 & CLN2" 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.

Welding shall be in accordance with ANSI/ASW D1.2 Structural Welding Code for Aluminum, or Canadian Welding Bureau W59.2-M1991.