



Safe Hatch Specifications

Safe Hatch as manufactured for ITT Flygt, 300 Labrosse Ave., Pointe Claire, QC H9R 4V5.

Material shall be 6061-T6 aluminum for bars, angles, and extrusions. 1/4" diamond plate shall be 5086 aluminum. Exterior of frame, which comes in contact with concrete, shall be coated with black bituminous paint.

Safety grate rated at 14.4 kPa (300 lbs/sq.ft.). Cover without safety grate is rated at 7.2 kPa (150 lbs./sq.ft.).

Each door shall be equipped with a cover stay. Door shall lock open in the 90 degree position.

Hatch frame shall be of extruded aluminum, with a continuous anchor flange.

Cover hinges shall be grade 316 stainless steel. Hinge shall be fastened to the frame extrusion and diamond plate with grade 316 stainless steel bolts and ny-lock nuts.

All hardware shall be stainless steel except for the rail nuts, which shall be in aluminum.

Each hatch shall be supplied with a recessed padlock clip. Padlock provided by others.

Each "Safe Hatch" shall be designed to combine covering of the opening, fall through protection and controlled confined space entry.

Grate openings shall allow for visual inspection, limited maintenance and float adjustments while the safety grate fall through protection is left in place.

Design must assure that the fall through protection is in place before the doors can be closed, thereby protecting the next operator.

Each grate shall be provided with a permanent hinging system, which will lock the grate in the 90 degree position once opened. Grates in the open position create a visual barrier around the opening, alerting passing pedestrians.

Each grate shall have a pull opening arm, designed so the grate can be pulled opened, with the grate acting as a barrier between the operator and the pit. The opening arm shall also be equipped with a controlled confined space entry lock (lock provided by others). When locked this device will aid in controlling unauthorized entry to the confined space. The grating system will allow anyone to make visual inspection and float adjustments without entering the confined space.

Each aluminum safety grate shall be coated with a safety orange color, promoting visual awareness of the hazard. The coating is a thermosetting, powder coat finish with a minimum thickness of 2-4 mils. And shall be baked at 350-375 degrees F until cured.