



SPECIFICATIONS



SCOPE OF WORK:

Supply and install "Lockman Peck" automatic door system, manufactured in Michigan by "LOCKMAN PECK": in accordance with these specifications.

WORK BY OTHERS:

Preparation of the properly sized, plumb and square opening, Floor preparation, Electrical supply, 110 VAC – 60 cycle, single phase, 10 amp service to each unit.

ALUMINUM FRAMES & DOORS:

The aluminum frames & doors shall be extruded from aluminum alloy, per Lockman Peck details, with a minimum wall thickness of 1/8" (3mm). Vertical jambs shall be 1 3/4" (45mm) by 4 1/2" (114mm) extruded aluminum. The extrusion sections for door(s) shall be 2 3/16" (56mm) thick for the vertical stiles and 1 3/4" (45mm) thick by 4 3/16" (106mm) high for the top and bottom rails. The cross-web member of all horizontal door sections shall be 1/4" (6mm) minimum thickness.

The main frame header shall be 8" (203mm) in height and a 4 1/2" in overall width. It shall be of "I" beam design and extruded from 6063-T6C structural aluminum alloy. All wall thickness must be a minimum of 1/4" (6mm). The header section shall be capable of self support for 14'0" (4,268mm) with no immediate fasteners or anti-twist devices.

Header covers shall be of 6063-T6C extruded aluminum alloy with 1/4" (6mm) minimum wall thickness. Covers shall be continuously hinged at the top for easy access to slide door drive and electric controls.

The door(s) and sidelite(s) shall be equipped with pivot assembly to allow all panels to swing out 90 degrees from any position in its cycle to comply with N.F.P.A. norm #101.

Non-adjustable break out system shall provide release for emergency egress of doors.

The glass retaining beads shall be 5/8" (16mm) in height to allow greater glass penetration.

The meeting of rails shall have full length interlocks and be double weather stripped.

For nighttime security, the Adams Rite maximum 1650-A hook deadlock for single slide system – 4015 – two point locks for bi-part – slide

SLIDE DOOR OPENER:

Shall be electro-mechanical with a permanent magnet D.C. motor (1/5HP) for power open and positive control power close with nylon reinforced timing belt no less than 1" (25mm) wide for long life and minimum stretch.

The system must operate between 30°F (34°C) and 160°F (71°C)>

The doors will be attached to linear motion bearings (2 per door) using a 1" (25mm) tempered rod.

The rod will have a tolerance of .0005" (.0012mm) and a 10 to 16 micron finish. The drive and slide mechanism must be capable of handling active door(s) weighing up to 350 lbs. (159 kilo.) each, for a total of 700 lbs (318 kilo) with use of only one operator.

Plastic Teflon, steel or stainless steel rollers, nylon guides, tracks or anti-risers are not equivalent.

ELECTRONIC CONTROL BOX:

Shall function with magnetic switching devices (eliminating all troublesome mechanical type switches and their related trip mechanism). The control operates from standard 110 VAC power and is fused at 3 amps. The low voltage (24 VAC) to power activating and safety devices are fused at 1.25 amp.

Speed control shall be adjustable for opening, closing, backcheck & latching as per UL-325. An adjustable time delay shall provide from 1 to 30 seconds of door hold open.

A current limiting capability shall protect the motor and control box in the event of a stalled condition.

A safety reverse feature shall open the sliding door(s) to full open position should a person or an object be encountered during the closing cycle.

ACTIVATING DEVICES:

All momentary contact-activating devices will be compatible with the "Lockman Peck" door system.

All sliding door systems shall be equipped with two horizontal hold open beams at 24" (610mm) and 54" (1,372mm) above the finished floor as a safety to prevent the door(s) from closing when a person or an object is in the door zone.

ENERGY SAVING FEATURES:

Active leaf(s) must be capable of closing tightly and holding firm in a closed position to insure maximum weathering.

(OPTION) Summer/winter operating mode is selected by activating a switch. Normal opening or restricted opening desirable for cold weather conditions.

HARDWARE:

Adams Rite model 1650-A hook lock type will be used on a single slider system. The bi-part system has a two-point lock Adams Rite model No. 4015.

(OPTION) Electronic lock without any solenoid and not interfering with the breakaway mechanism.

(OPTION) A fail secure electro-mechanic locking device with or without a power source.

FINISH:

All exposed aluminum surfaces shall be clear anodized or dark bronze anodized or according to architect's choice of color.

WARRANTY:

"Lockman Peck" systems shall be warranted for thirty-six (36) months against material and manufacturing defects from date of installation under normal condition of operation.

Manufactured in
Coldwater, Michigan



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