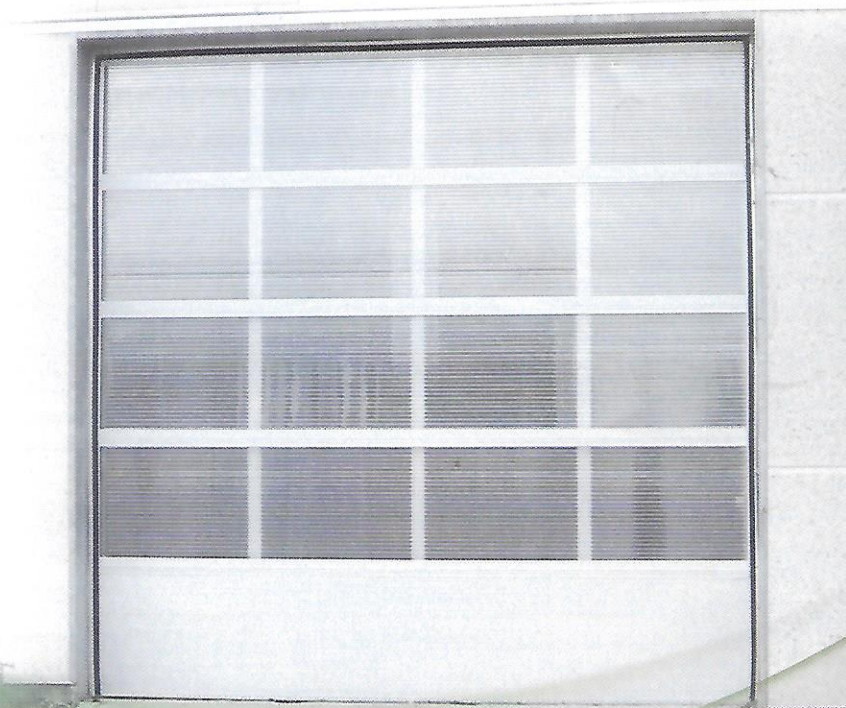
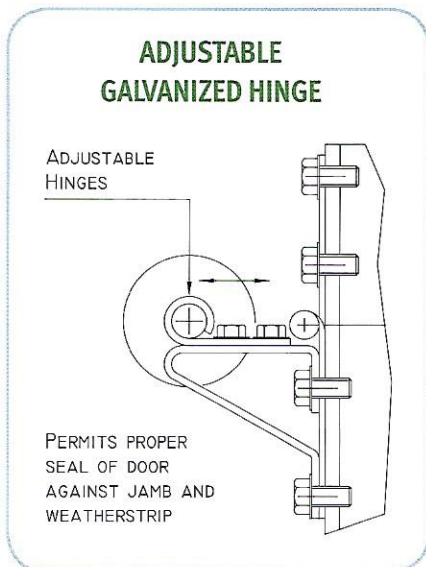
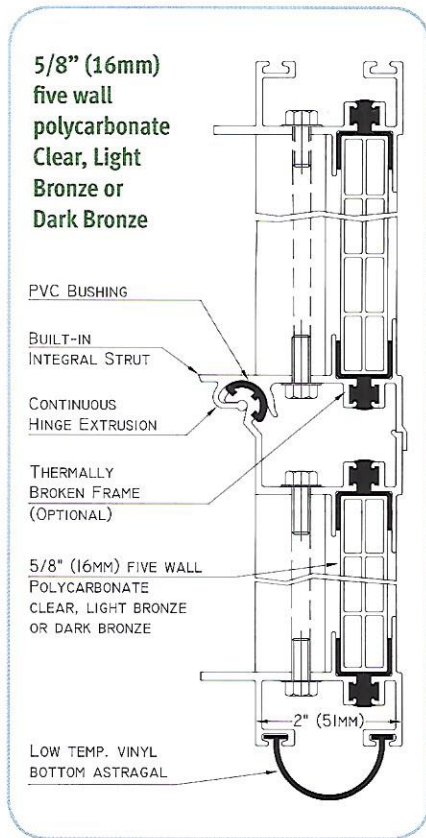


[SOLALITE]

TRANSLUCENT ALUMINIUM



PANEL CROSS SECTION AND ADJUSTABLE HINGE



DOOR SECTIONS: Solalite door sections are 51mm (2 inches) thick and are extruded from 6063-T6 aluminum alloy in a standard clear anodized finish. All aluminum members are 2mm (.070 inches) wall thickness and 3mm (.115 inches) thick at hardware mounting locations. Perimeter framing including meeting rails, end stiles and top and bottom rails incorporate a thermal break — which is optional — to eliminate thermal conductivity between interior and exterior of sections. Meeting rails are interlocking with a continuous hinge designed to inhibit water entry and freezing between joints. Meeting rails also possess an integral strut bar designed to add extra strength to frame sections. Hinges at section ends are combined with roller brackets and are fully adjustable. Centre stiles are installed behind polycarbonate glazing. Doors over 4875 mm (16 feet) wide incorporate double end hinges. Bottom sections are available in optional insulated aluminum stucco embossed or glazed in polycarbonate. Doors have a perimeter weatherstrip of aluminum extrusion with low temperature vinyl.

GLAZING: Glazing materials are 16mm (5/8 inch) thick translucent polycarbonate, five wall, are available in clear, light or dark bronze tint. Polycarbonate runs the full width of the door and is encased in a neoprene seal with both ends enclosed to minimize condensation and dust build up in air cavities. The optional oval cut out window is 457mm x 203mm (18 inches x 8 inches) and is 3mm (1/8 inch) or 6mm (1/4 inch) thick in clear acrylic or polycarbonate. The optional full view glazed panel runs the full width of the door (maximum 10 foot wide door) in clear polycarbonate or acrylic 3mm (1/8 inch) or 6mm (1/4 inch) thick.

TRACKS: Tracks are 51mm (2 inch) thick minimum of 14 gauge or 76mm (3 inch) thick minimum of 12 gauge galvanized steel. All vertical tracks are bolted and assembled to a continuous vertical angle of 51mm x 102mm (2 inches x 4 inches) of minimum 14 gauge, or to jamb brackets of 11 gauge and are fully adjustable. Horizontal tracks have a maximum radius of 381mm (15 inches) with a continuous 12 gauge angle, 38mm x 51mm (1 1/2 inches x 2 inches), welded to the horizontal tracks. Powder coated hardware is optional and available for corrosive environments.

HINGES: Roller carriers are minimum 13 gauge galvanized steel to suit door width. (For 4875mm or 16 foot wide doors and over, specify double end hinges. Strut bar reinforcement is required for doors 6096mm or 20 feet and wider.) Rollers are 51mm (2 inches) or 76mm (3 inches) in diameter, 10 ball bearing with hardened raceway and cold rolled 11mm diameter x 14mm stem (7/16 inch diameter x 4 1/2 inch stem.) Long stem, 203mm (8 inch), rollers are supplied with double end hinges. Rust proof bearingless Nystroll stainless steel, nylon rollers in 51mm (2 inch) or 76mm (3 inch) diameter available for corrosive environments.

TORSION SPRINGS: Torsion springs are oil tempered with 10,000 standard cyclage (specify higher cyclage if required to maximum 125,000 cycles) fitted on a continuous 25mm (1 inch) hollow, 14 gauge tube shaft, or on a 25mm (1 inch) cold rolled solid shaft, keyed and mounted on ball bearings, supported by heavy gauge gusset plates. (Counter weight system available on request.) Galvanized springs available for corrosive environments.

CABLE DRUMS: Should suit the type of lift required and be able to withstand maximum cycle requirements. Cables are made of galvanized aircraft grad, 7 x 19 constructions, designed to suit door weight at a safety factor of 8 to 1. Stainless steel cable available for corrosive environments.

NOTE: When specifying Chain Hoist or Jack Shaft Electrical operator on standard lift doors, use solid shaft, spreader bars, and pusher springs. For car wash, explosion proof or high cycle applications, use PowAirDor pneumatic operator.

CORROSION PACKAGE: For harsh environments Upwardor offers corrosion protection hardware which includes powder coated hardware, galvanized springs, zinc plated shaft, stainless steel cables and Nystroll rust proof rollers.

OPTIONS: Upwardor offers a full range of hardware options regarding lift, door operating devices and safety features. Please consult factory for specifications.