

SECTIONAL OVERHEAD DOORS

A. Illuminator U-Series Rust Proof Model

1. Aluminum Sectional Polycarbonate Overhead Door
2. Polycarbonate sectional upward acting doors shall be Ultimate Supplies, LLC. U-Series Rust-Proof model doors of sizes shown on plans and shall embody the following particulars:

B. Rails and Stiles: Joined together by stainless steel screws. Aluminum alloy 6063-T6.

Door thickness 2", Center stile 3" wide & .090" thick, Bottom & Top Rail 1.125 inch wide & .080" thick, Side rails 3" wide & .090" thick

C. Finish: Mill Finish aluminum.

D. Panels: Mill finish aluminum frame with 16mm five-wall polycarbonate panel. Top and bottom aluminum extrusions have beveled design to facilitate moisture removal. Aluminum finish on frame can be powder-coated to any particular color scheme.

E. Polycarbonate: 16mm five-walled polycarbonate with outside layer having co-extruded UV protection.

F. Perimeter Seal: White Vinyl

G. Bottom Weather Seal: EPDM (Ethylene Propylene Diene Monomer) Rubber ribbed Astragal.

H. Track: Galvanized 3" reverse angle mounted

I. Hardware: HDPE (High Density Polyethylene) hinges w/ top & bottom fixtures to be 303 Stainless steel & HDPE.

J. Rollers: Ultimate brand – 6.5" 304 Stainless Steel stem bearingless roller with roller constructed of HDPE.

K. Bearings: Constructed of UHMW (Ultra High Molecular Weight) Polymer. Material will not rust. Anodized Stainless Steel Sealed Zerk Bearings are available as options.

L. Shaft: Continuous keyed 6061-T6 .998" solid aluminum. Galvanized shaft used with galvanized spring. Stainless Steel keyed shafts are also available.

M. Counter Balance: 500,000 cycle counterweight system using Kevlar reinforced Belt. Belt is attached to the wall by a stainless steel and aluminum bracket and is attached to the shaft by means of an 8.5" aluminum spool w/ stainless steel fasteners. Interlocking weights are used.

N. Locking Device: Interior galvanized slide bolt. Available upon request.

O. Door Pick-UP Spool: 6.5" diameter Aluminum Spool. Uses Kevlar reinforced Polyurethane belt. Eliminates door cables and supports doors while preventing operational failures due to the common cables jumping problems.