

## **SCOPE**

To furnish a patented Aluminum Frame Screen with stainless steel screen mesh that will fulfill the requirements of Maintenance, Security, and Child Safety. Protects against damage from hail, wind, hurricanes, and flying debris.

## **MATERIALS**

1. All sections of the screen shall be an Extruded Aluminum solid profile of a 6063-T Alloy.
2. Wire Cloth shall be standard tensile strength stainless steel alloy #304 or #316, .028" diameter. 16ga, 18ga. and 20ga. galvanealed perforated material is also available.
3. Screen will have an attached 18ga sub frame system that can be modified for different offsets and mounting fin.

## **CONSTRUCTION**

1. The frame shall be cut with a mitered corner construction. The screen material will be compressed into the jaw of the frame material and the frame miters will be welded.
2. The screen material is held in place in the pressed area of the screen frame by the design of the aluminum extrusion.
3. The sub frame will be fastened to the frame material and the frame miters will be welded on an operable application and screwed on to the aluminum frame on a fixed application.

## **FINISH**

1. A Polyester Powder Coat paint finish shall be electrostatically applied, and baked for a minimum of 15 minutes at 400 degrees F. Powder coat paint finish shall be a minimum of 1.5 mil thickness.

## **Available Options**

1. Aluminum or stainless steel hinge.
2. Spring latches or single point latch.
3. Mounting hardware.
4. Added 18ga flange attached to the operable screen to eliminate pry points.
5. A specially formulated high temperature bonding agent can be added to the process for added strength.