

**Tough Tek Metals • 800-331-8200 • Fax 563-538-4392 • www.toughtekmetals.com**  
**Model 800 Operable Steel Egress Security Screen**

**SCOPE**

To furnish Steel Security Screens with hardware, screws, and other fitting necessary for a complete installation.

**MATERIALS**

1. All sections of the security screen shall be of roll formed lock seam construction formed from tubular 22 gauge galvanized steel.
2. All wire retainer spline will be of 18 gauge galvanized steel.
3. Wire cloth shall be standard tensile strength stainless steel alloy #304, .018", .023" or .028" diameter. Optional screens available.
4. Where applicable, stainless steel piano hinges, or equivalent will be used.
5. Where applicable, egressable hardware shall consist of two spring bolts, one on each side to provide positive locking. Optional hardware systems available. Single point latch is available. Screen shall open easily to allow emergency egress.

**CONSTRUCTION**

1. The security screen will consist of a sub-frame and an operable main frame.
2. The sub-frame shall be rigidly assembled with a mitered corner construction. The miter will be welded.
3. Each screen will be form fitted in to the frame and secured with 18 gauge galvanized retainer strip.
4. The steel retainer spline will be continuous around the perimeter and will be secured with #8 x 3/4" pan head screws, on not more than 6" centers.
5. The main frame will be attached to the sub-frame via a continuous stainless steel hinge riveted to each member.
6. The main frame will have two spring bolts, or single point latch, to provide positive locking behind the sub-frame.

**FINISH**

1. All exposed areas of stainless wire cloth and frames shall be thoroughly washed, rinsed and chemically pre-treated in preparation for powder coating. A finish polyester powder coat paint 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.

**CERTIFICATION**

The steel security screens have been tested and certified by a recognized testing laboratory to meet and/or exceed SMA-6001 specifications.