CONFIGURATION DRAWINGS

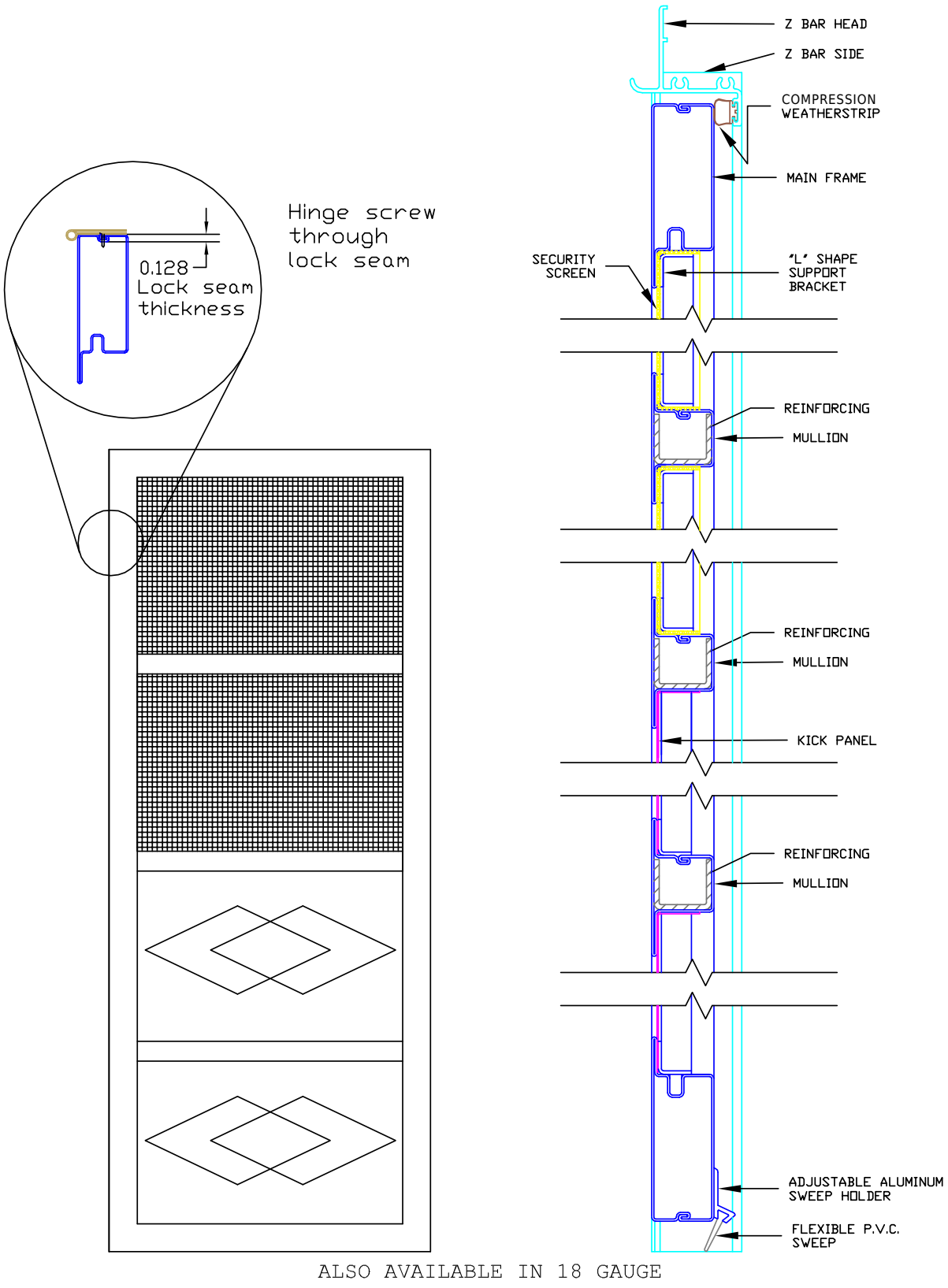


Fig. 1: Model 2000 Heavy Duty Steel Security Screen Door. Elevation, lock seam detail and frame cross-section

HEAVY DUTY | ANSI SMA 6001-2002

The Rusco Model 2000 is a heavy duty steel security screen door built on a roll formed, lock seam galvanized steel frame with reinforced mullions and a stainless steel screen.

- ✓ 22 gauge G90 galvanized steel frame, also available in 18 gauge
- ✓ .052 steel reinforcing in each horizontal mullion
- ✓ Pre-hung in an aluminum Z-bar frame, ready to install

AT A GLANCE	
Duty Tier	Heavy
ANSI Rating	SMA 6001-2002, heavy class
Frame	22 ga. G90 galvanized steel, lock seam (18 ga. available)
Mesh	304 stainless, .028" wire, 12x12, 800 lb tensile
Kick Panel	18 ga. galvanized steel, embossed
Warranty	1 year, design/material/workmanship

1 GENERAL

- Tested by a recognized testing laboratory and conforms to SMA 6001-2002 (heavy class) "Proposed American National Standard Specifications for Metal Protection Screens"
- Furnished complete with compression type weatherstripping, sill sweep, pre-hung in an aluminum Z-bar frame ready for installation

2 MATERIALS

- Master frame: 22 gauge G90 hot dipped galvanized steel, roll formed tubular lock seam construction
- Kick panel: 18 gauge galvanized steel, embossed for rigidity
- Subframe Z-bars: extruded aluminum with compression type flexible vinyl weatherstripping on head and both jambs (Z-bar header with drip cap)
- Screen cloth: 304H alloy .028" diameter stainless steel wire, 12x12 mesh, tensile strength not less than 800 lb per inch after weaving
- Fastenings: cadmium or zinc-plated hardened steel screws, concealed from view where possible
- Sill sweep: extruded aluminum, adjustable, flexible vinyl

3 CONSTRUCTION

- Main frame sections: mitered joints, not less than 2 3/4" x 15/16", roll formed lock seam construction with 16 gauge steel internal corner reinforcing gussets
- Transom and mullions brazed to master frame and suitably reinforced
- 18 gauge mullion reinforces the hardware installation location
- .052 steel reinforcing added to each horizontal mullion
- Kick panels held in place with continuous 18 gauge galvanized steel angles and hardened steel screws
- Wire mesh: 90-degree bend on all four sides, held with 18 gauge continuous steel retainer angle and Rusco tamper-proof screws 4" on center; screws penetrate the steel angle, wire cloth and continuous 18 gauge steel frame and mullion
- Hung in a pre-punched aluminum Z-bar subframe on four tamper-proof 304 stainless steel hinges (leaf and pin) with oil-lite bearings; frames installed into existing frame with cadmium or zinc-plated hardened screws
- KT186 Heavy Duty Hardware Kit with Robertson installation screws: adjustable door closer, wind chain with hold-up spring, latch with exterior handle and interior locking mechanism with anti-lockout features

4 OPTIONS

- 18 gauge main frame
- Welding of 16 gauge reinforcing at closer location

5 FINISH

- All steel sections chemically treated to ensure proper paint adherence
- All exposed surfaces of the door, wire mesh, aluminum Z-bars and aluminum sweep finished with electrostatically applied polyester powder paint, baked for a total of 20 minutes at 350°F
- Colors selected from manufacturer's standard color range

6 PACKING

- Doors carefully packaged using cardboard edge liners and wrapped in poly bags

7 INSTALLATION

- Verify door openings are satisfactory and ready to accept pre-hung screen door
- Installer fastens door in a straight, plumb and level condition without distortion of the door or door frame, and makes all final adjustments for proper operation and weathering contact and seal per manufacturer's instructions
- Clean up as the work proceeds and on completion; touch up any marred surfaces, remove protective materials and dispose of all rubbish and surplus materials

8 WARRANTY

- Guaranteed for one (1) year from date of delivery to the site against defects in design, material and workmanship
- Excludes normal wear and tear, uniform color fading, improper maintenance, abuse and carelessness