

Fig. 1: Model 4300 Steel Security Screen elevation & frame cross-section

MEDIUM DUTY | **ANSI SMA 6001-2002**

The Rusco Model 4300 is a welded-corner window security screen: a roll-formed 24 gauge steel frame carrying marine-grade stainless mesh, tested and certified to ANSI SMA 6001-2002. Available fixed or operable, with sub-frame, top-hinge, centre-hinge, or side-hinge mounting to fit the opening.

- ✓ Certified medium-duty protection for second-floor and similar openings
- ✓ Fixed or operable (egress) versions, with a choice of hinge positions
- ✓ Custom built to any opening, mullion rail available for multi-section runs

AT A GLANCE	
Duty Tier	Medium
ANSI Rating	SMA 6001-2002, medium class
Frame	24 ga. G90 hot-dipped galvanized steel
Mesh	304 stainless, .028" wire, 12x12, 800 lb tensile
Egress Hinge	0.050" continuous 304 stainless piano hinge
Warranty	1 year, material & workmanship

1 GENERAL

- Tested by a recognized testing laboratory to conform to SMA 6001-2002: “Proposed American National Standard Specifications for Metal Protection Screens”
- May be supplied with special tamper-proof steel security installation screws requiring a special tool for removal

2 MATERIALS

- Frame and mullions: .024" G90 hot-dipped galvanized steel, roll-formed lock seamed, tubular construction
- Screen cloth: 304H alloy .028" diameter stainless wire, 12 x 12 mesh, minimum 800 lb tensile strength per linear inch (mill certificates available)
- Screen retainer angles: 16 gauge galvanized roll-formed steel
- Installation angles: 16 gauge galvanized steel, .052"

3 CONSTRUCTION

- Frame brazed together at corners; mullions brazed to frame
- Mullion rail available to separate two or more wire mesh sections on wider openings
- Wire mesh: minimum 1/2" 90-degree bend on all four sides, held with 16 gauge continuous steel retainer angle and Rusco tamper-proof screws, 4" on centre
- Operable/egress screens: .050" continuous 304 stainless steel piano hinge on the opening edge, held with stainless steel rivets
- Egress hardware: stainless steel barrel bolts on both sides for positive locking and easy egress
- Top-hinge operable screens: twisting lock system with pivot handle, unlocks and swings open on a single point release for emergency egress

4 CONFIGURATIONS

- Standard fixed security screen
- Standard egress (operable) security screen
- Available with sub-frame mounting
- Available with top-hinge mounting
- Available with centre-hinge mounting
- Available with side-hinge mounting
- Single-point latches available for emergency egress

5 FINISH

- Steel chemically pre-treated for paint adherence
- Polyester powder paint, electrostatically applied and baked 20 minutes at 350°F
- Colours selected from manufacturer's standard range; special colours available to match architectural requirements (minimum quantities or additional charges may apply)

6 WARRANTY

- Guaranteed for one (1) year from date of delivery against defects in material and workmanship
- Excludes abuse, normal wear and tear, and normal fading of colours

CONFIGURATION DRAWINGS

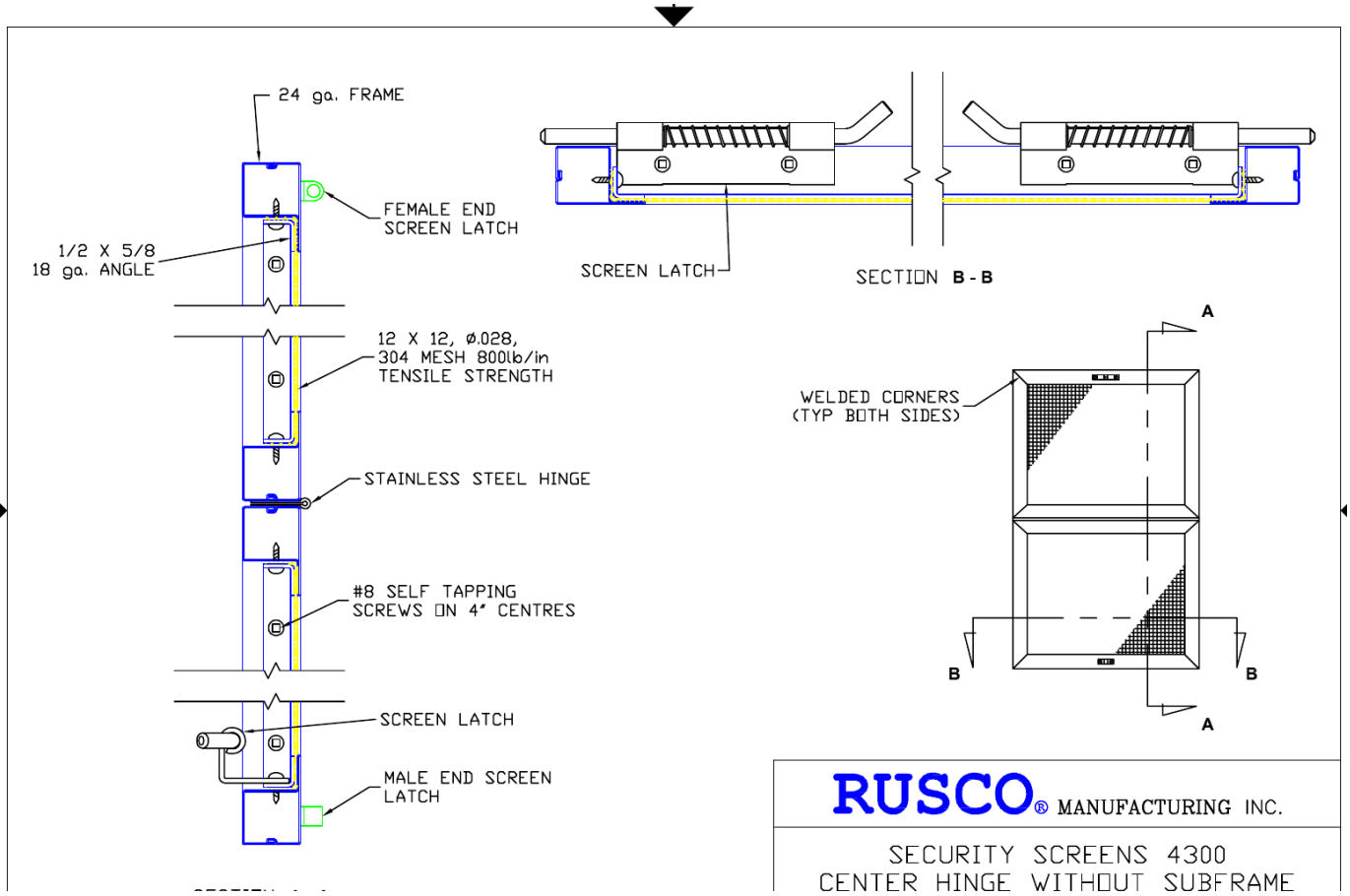


Fig. 2: Center-hinge operable screen without sub-frame: screen-latch detail, Section B-B, and elevation

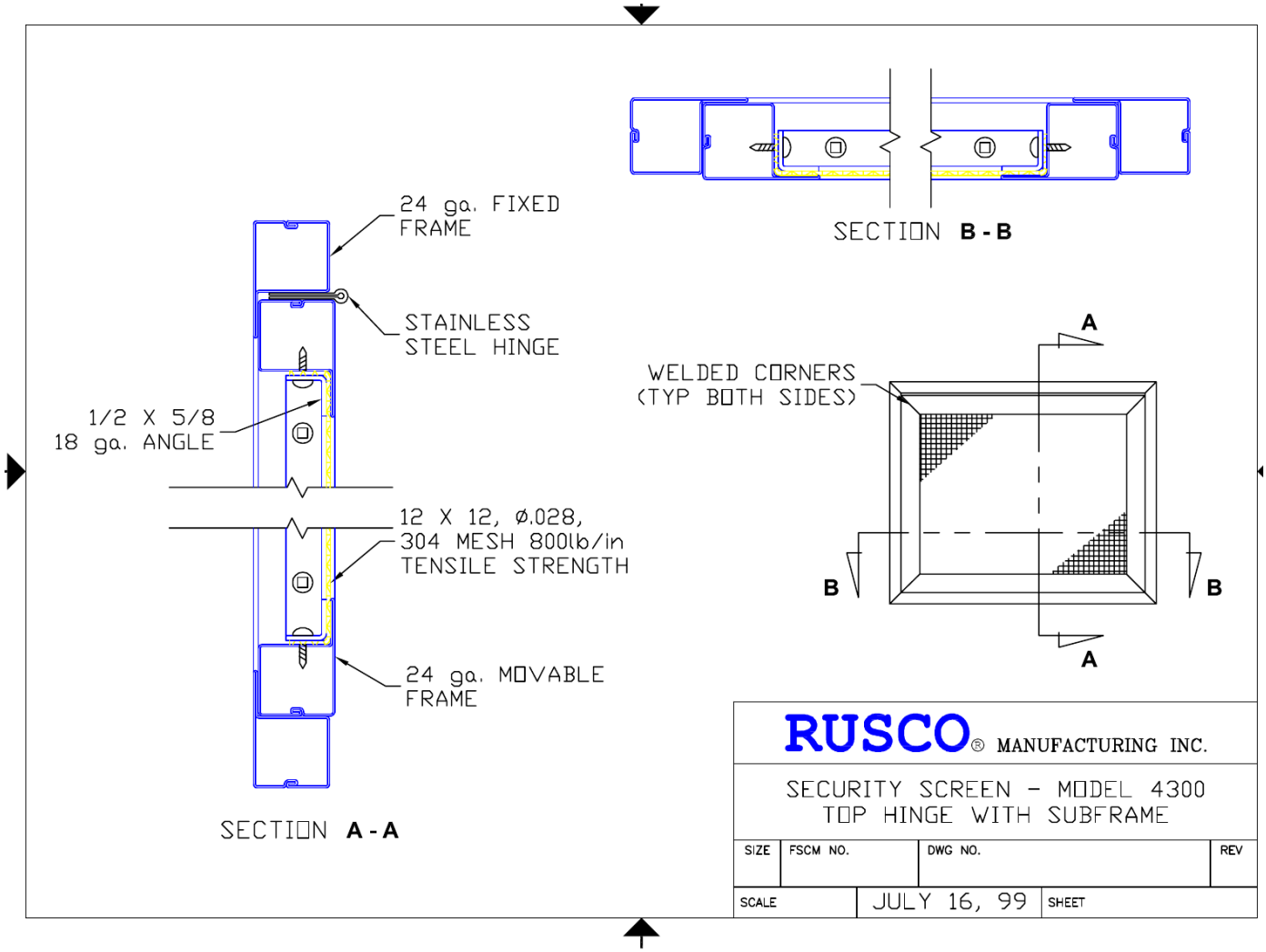


Fig. 3: Top-hinge operable screen with sub-frame: hinge detail, Section B-B, and elevation

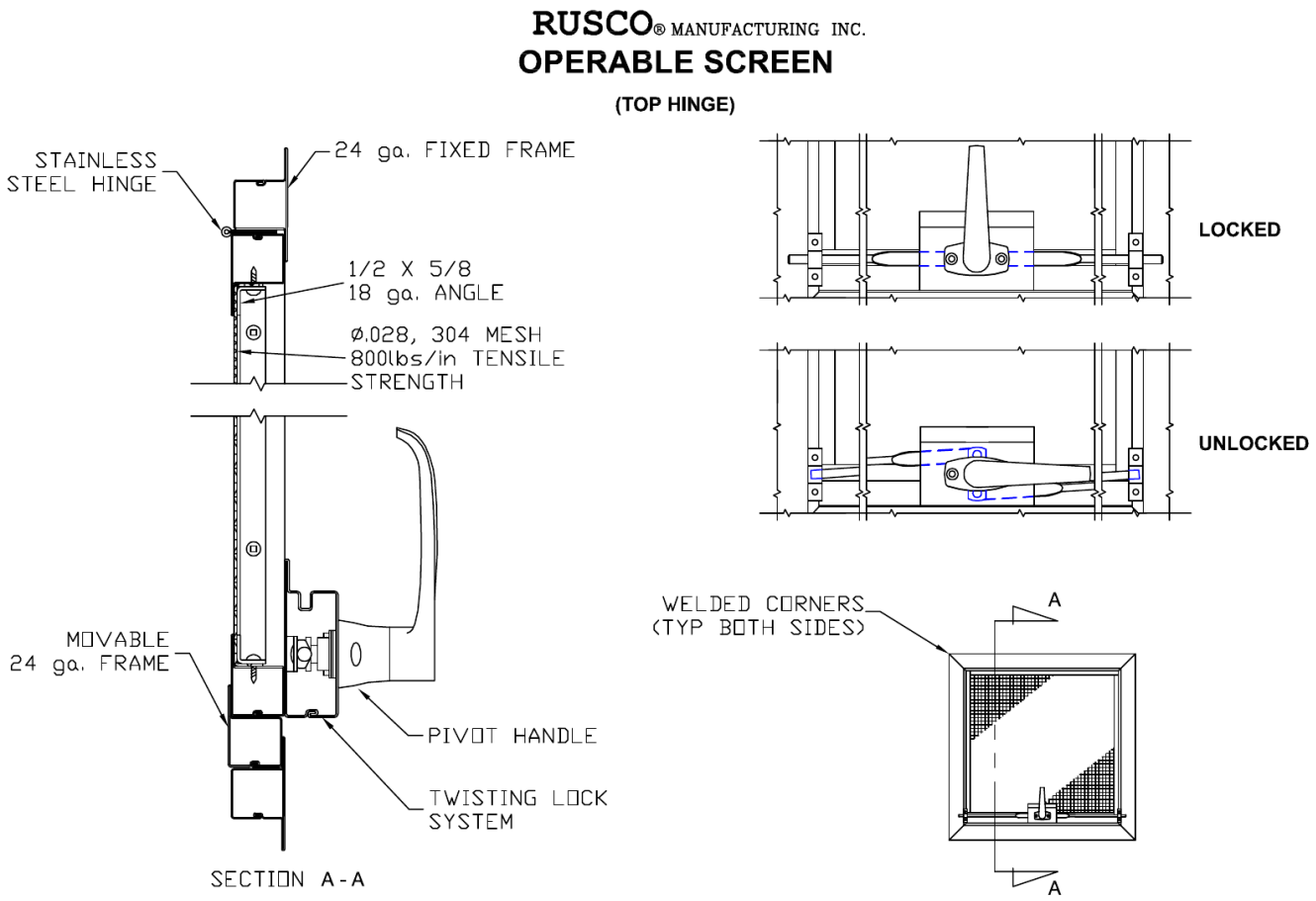


Fig. 4: Operable screen (top hinge) hardware detail: twisting lock system, pivot handle, locked/unlocked positions