

PRODUCT NAME

**MFR Manufacturing Corp., Inc.
METALCO Products**

Screen System type GRIGLIATO SC

Manufacturer

**MFR Manufacturing Corp., Inc.
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PRODUCT DESCRIPTION

1. Basic Use:

To provide security fencing that is both functional and decorative, ideally suited to harmonize with any environment. METALCO Fencing and Railing can be used for both interior and exterior applications. Interior applications include handrails, stairwell and balcony rails, back drops for signs, dividers, displays, etc. Some exterior applications include perimeter fencing, gates, parking garage security screening, window guards, balcony railings, infill panels, trash enclosures, etc.

GRIGLIATO SC100, louver mesh 4-1/2" x 1 15/16", steel profile on wire rod dia. 1/4" (minimal airflow restriction, 100% visual screening)

GRIGLIATO SC80, louver mesh 4-1/2" x 2-1/2", steel profile on wire rod dia. 1/4" (minimal airflow restriction, 80% visual screening)

2. Finishes and Colors:

Carbon Steel, hot dip galvanized only, polyester powder coated only, hot dip galvanized and polyester powder coated. 8 standard colors are available: Furniture White, Safety Yellow, Little Red Wagon, Evergreen Blue Streak, Fence Brown, Gray, Vulcan Black. Additional 180 custom colors are available.

3. Composition and Materials:

Electro-forge welded steel fencing that is galvanized and powder polyester coated. Exterior applications shall be hot dip galvanized and then polyester coated. The panels are electroforge welded steel per design specifications (Design Specification Sheet). The steel bars have a yield strength of 36,000 psi and a tensile strength of 58,000 psi. Post yield and tensile strengths are similar to steel bars. The installed system is capable of withstanding 1) a concentrated load of 200 lbs. applied at any point in any direction 2) a uniform load of 50 lbs. per linear ft. applied horizontally and concurrently with uniform load 100 lbs. Per linear ft. applied vertically downward. The infill area of the guardrail system is capable of withstanding a horizontal concentrated load of 200 lbs. Applied to 1 sq.ft. at any point in the system.

4. TECHNICAL DATA

Applicable Standards:

Material: Bar Stock: ASTM A 36, F 1083 - 90

Tube: ASTM A 500-Grade B, F 1083 - 90

Fabrication: ANSI/AWS D1.1

Hot-Dip Galvanized: ASTM A 123

Powder Coating: Hardness ASTM B 3363; Direct impact ASTM D 2793. Saltspray ASTM B-117

Free Area 48"x48" Louver: 56% (9.04 sq.ft.) for SC100,

Water Penetrations: 622 FPM @.01OZ

Static Pressure Drop W.G.": .15"@970 FPM

(All data based on 48"x48" unit)

5. Warranties

METALCO certifies that its Fencing Systems are free from defects in material and workmanship. The hot-dip galvanized coating can leave minor impurities on the treated surface, i.e., flashing, drips, drops, etc. These do not impair the coating in terms of corrosion resistance. The polyester coated galvanized metal is guaranteed not to crack, peel or blister for a period of 10 years. Accidental damages, defects resulting from improper installation and damage from vandalism or abuse are not included. Warranty is limited to a prorated value of the coating, not to exceed the original value of the coating.

6. INSTALLATION

Railing Systems are modular and connected by means of tamper proof fasteners. Different post styles are available for embedding, welding onto a surface (stringer, beam) or with mounting plates

Fence posts are of sufficient length to allow for setting into concrete footers. Post with flanges (base plate) are also available. The standard fence post spacing is 78" (2000mm) apart; however, drawing will call out special spacing when required. In-ground posts may be set in concrete in holes 12" (303mm) in diameter for terminal posts and 10" (254mm) in diameter for intermediate posts. Concrete should be 6" (152mm) deeper than posts. Deeper and wider settings may be necessary in some locations. It is recommended that the fence be temporarily erected using 2 x 4 supports. After the fence is plumb and level, pour concrete grouting into holes. Installation of some railing systems and customized products may vary.

7. AVAILABILITY AND COST

METALCO fencing is carried in stock in large mats or prefabricated panels. Jobs are fabricated and coated before being shipped throughout the United States.

Cost: Costs are quoted on a job basis due to varying requirements of each project.

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8. MAINTENANCE

The advanced coating method supplied on the METALCO fencing systems requires no maintenance.

9. TECHNICAL SERVICE

To Consult with one of METALCO's representatives on a particular railing or fencing requirement

Call 815-552-3333 or toll free **800-708-2526**

10. FILING SYSTEMS

Sweet's General Building and Renovation

Architect's First Source

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