

## MAXIMUM SECURITY

### 3/8" Horizontal Openings

#### STANDARD FEATURES

- **FACE FLANGE:** Beveled Edge - 16-gauge C.R.S.
- **HORIZONTAL LOUVER:** spaced at 3/8" at 50° for directional airflow
- **AIR PASSAGEWAYS:** Patented "S" style virtually eliminates 'looping' of materials around/or through louvers
- **NECK:** Rigid with 3-1/4" face depth made of uni-welded constructed louvers
- **DUCT COLLAR:** Mating 14 gauge galvanized mounting frame with nuts (integral face/duct connection)

#### FINISH

- Multi-stage surface preparation and powder coat finish (5-7 mil. thickness) beige or white, must specify .
- **OPTIONAL:** Custom powder coat colors. Rust inhibiting prime coat. Consult factory for other finishes.

#### OPTIONAL FEATURES

- **MATERIAL GAUGES:** other material gauges available
- **MATERIAL:** stainless steel
- **FACE MOUNTED:** connections available
- **SLEEVE AND LOCKING ANGLES**
- **OPPOSED BLADE DAMPERS:** Rear operated
- **ANCHOR STUDS:** Nelson type for precast/brick wall applications
- **TAMPERPROOF SCREWS:** See inside back cover, page i, and consult factory for specific product applications

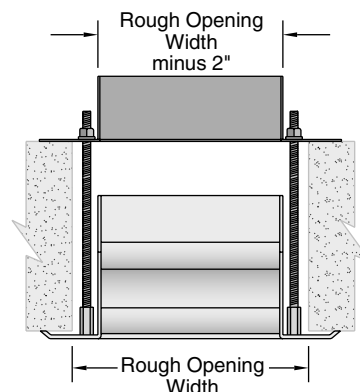
#### CONSTRUCTION

The grille is made of 16-gauge steel (stainless steel if used in humid areas) with the outer perimeter stamped to raise the grill face 7/16" from the wall or ceiling. The edge of the grill is manufactured with a beveled slope. The portion of the edge of the grille that will contact the wall or ceiling upon installation is machined to a flatness of  $\pm 0.003"$ . No open or unfinished edges exist. The horizontal louvers correspondingly are attached to a unweld frame and faceplate creating a penetration resistant neck with a standard throat of 3-1/4". Coupling nuts are attached to the back of the face flange for use with threaded rods. A mating duct collar with nuts receive the threaded rod and are tightened accordingly.

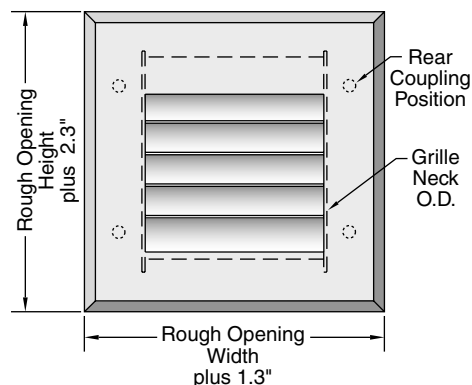
#### INSTALLATION

SV49 is installed into the wall (or ceiling) with the threaded rods attached. A mating duct collar with nuts receives the rod and is then tightened to insure a secure fit on both sides of the wall. Optional attachment mechanisms are available for both new and retrofit applications. Optional sleeve, locking angle and rear operated opposed blade dampers may be supplied, if required. See pages A-14 and A-15 for Installation Overview.

TOP SECTION



FRONT SECTION



SIDE SECTION

