

TYPICAL SPECIFICATION

PREMIUM RISK RESISTANT GRILLES

*SV2 – MAXIMUM SECURITY GRILLE

1/8" X 1/8" OPENINGS (PAGES A-4 & A-5)

Contractor shall furnish and install security grille S-Vent® type SV2 as herein specified or where shown on plans. The unit shall be provided by Anemostat and will be of all steel assembled and welded construction. The grille shall be made of 12-gauge steel with the outer perimeter (face flange) stamped to raise the grille 5/16" from the wall or ceiling. The edge of the face flange shall be manufactured with a beveled slope. The edge shall rest flat ($\pm .003$ ") on the wall or ceiling. The throat of the grille shall be 1-7/16" in depth comprised of horizontal "S" channel blades and vertical mullions to create rigid 1/8" x 1/8" openings. The grille will be secured to a rear mounting duct collar using threaded rods attached to coupling nuts on the back of grille. The SV2 will be finished with a beige powder coat (minimum 5 mil. thickness) preceded by a multistage wash and surface preparation process.

SV3 – MAXIMUM SECURITY GRILLE

3/8" X 1/8" OPENINGS (PAGES A-6 & A-7)

Contractor shall furnish and install security grille S-Vent® type SV3 as herein specified or where shown on plans. The unit shall be provided by Anemostat and will be of all steel assembled and welded construction. The grille shall be made of 12-gauge steel with the outer perimeter (face flange) stamped to raise the grille 5/16" from the wall or ceiling. The edge of the face flange shall be manufactured with a beveled slope. The edge shall rest flat ($\pm .003$ ") on the wall or ceiling. The throat of the grille shall be 1-7/16" in depth comprised of horizontal "S" channel blades and vertical mullions to create a rigid 3/8" x 1/8" opening. The grille will be secured to a rear mounting duct collar using threaded rods attached to coupling nuts on the back of grille. The SV3 will be finished with a beige powder coat (minimum 5 mil. thickness) preceded by a multistage wash and surface preparation process.

SV6 – MAXIMUM SECURITY GRILLE

2" (nom.) X 1/8" OPENINGS (PAGES A-8 & A-9)

Contractor shall furnish and install security grille S-Vent® type SV6 as herein specified or where shown on plans. The unit shall be provided by Anemostat and will be of all steel assembled and welded construction. The grille shall be made of 12-gauge steel with the outer perimeter (face flange) stamped to raise the grille 5/16" from the wall or ceiling. The edge of the face flange shall be manufactured with a beveled slope. The edge shall rest flat ($\pm .003$ ") on the wall or ceiling. The throat of the grille shall be 1-7/16" in depth comprised of horizontal "S" channel blades and vertical mullions to create a rigid 2" (nom.) x 1/8" opening. The grille will be secured to a rear mounting duct collar using threaded rods attached to coupling nuts on the back of grille. The SV6 will be finished with a beige powder coat (minimum 5 mil. thickness) preceded by a multistage wash and surface preparation process.

SV49 – MAXIMUM SECURITY GRILLE

3/8" Horizontal OPENINGS (PAGES A-10 & A-11)

Contractor shall furnish and install security grille S-Vent® type SV49 as herein specified or where shown on plans. The unit shall be provided by Anemostat and will be all steel assembled and welded construction. The grille shall be made of all 16-gauge steel. The edge of the face flange shall be manufactured with a beveled slope. The edge shall rest flat ($\pm .003$ ") on the wall or ceiling. The throat of the grille will be 3-1/4" in depth comprised of cross sections with multiple directional changes. The grille will be secured to a rear mounting duct collar using threaded rods attached to coupling nuts protruding onto the back of the grille. The SV49 will be finished with a beige powder coat (minimum 5 mil. thickness) preceded by a multistage wash and surface preparation process.

*Limited warranty regarding self harm, available upon request

PREMIUM RISK RESISTANT DIFFUSER

SV432 – MAXIMUM SECURITY CEILING DIFFUSER

WITHOUT FACEPLATE DEFLECTION (PAGES A-12 & A-13)

Contractor shall furnish and install security diffusers, type SV432 as herein specified, or where shown on plans. The unit shall be provided by Anemostat and will be of all steel assembled and welded construction. The diffuser shall be made of all 16-gauge steel. The edge of the face flange shall be manufactured with a beveled slope. The edge shall rest flat ($\pm .003$ ") on the wall or ceiling. The cores will be 3-1/4" in depth, comprised of cross sections fabricated with multiple directional changes. The unit shall provide horizontal discharge patterns in single or multiple directions with maximum security without a faceplate. The unit will be mounted with stainless steel tamper proof screws (by others). The SV432 will be finished with a beige powder coat (minimum 5 mil. thickness) preceded by a multistage wash and surface preparation process.

RETROFIT

INTEGRATED PLENUM WITH "RAPITACH"

MOUNTING PLATE – MAXIMUM SECURITY GRILLE

AFFIXED TO THE SLEEVE OF AN EXISTING SECURITY GRILLE

Contractor shall install a one-piece grille/plenum assembly consisting of an SV2, SV3 or SV6, which will fit flush over the existing grille without removal. The existing opening shall include the face flange and sleeve of the existing grille and must have the existing grille face cut out. The "Rapitach" mounting plate is secured to the inside of the existing sleeve with cone pointed setscrews, which are supplied. The "Rapitach" plate is fabricated with an offset mounting lip which the S-Vent® aligns with to provide easy attachment. The plenum will have an extended profile of at least 1-3/4" from the wall to accommodate the throat of the grille. The contractor shall use tamperproof screws and a lock-tight threading compound to insure integrity of the face attachment of the grille. Finish shall be beige powder coat (minimum 5 mil. thickness) preceded by a multistage wash and surface preparation process.

INTEGRATED PLENUM – MAXIMUM SECURITY GRILLE

- AFFIXED TO THE FLANGE OF AN

EXISTING SECURITY GRILLE

Contractor shall install a one-piece grille/plenum assembly consisting of an SV2, SV3 or SV6, which will fit flush over the existing grille without removal. The existing opening may include the face flange and sleeve of the existing grille and may be utilized with the existing grille face intact. The grille is attached to the flange of the existing grille using a locator template to mate welded coupling nuts on the flange with security screws from the recessed openings on the grille assembly. The plenum will have an extended profile of at least 1-3/4" from the wall to accommodate the throat of the grille. The contractor shall use tamperproof screws and a lock-tight threading compound to insure integrity of the face attachment of the grille. Finish shall be beige powder coat (minimum 5 mil. thickness) preceded by a multistage wash and surface preparation process.

FACE MOUNTING PLATE – MAXIMUM SECURITY

GRILLE - W/ GRILLE NECK EXTENDING INSIDE AN

EXISTING OPENING

Contractor shall install a mounting plate over the wall opening which will be anchored to the wall using 1/4" fasteners (by others). The grille shall be installed into the mounting plate opening and attached to the wall through counter-sunk holes in the grille and into pre-established mounting holes in the plate and wall. If attachment is directly to the plate then a threaded sleeve behind the plate, aligned with the grille screw holes, will be provided. Finish shall be beige powder coat (minimum 5 mil. thickness) preceded by a multistage wash and surface preparation process.