

**Part 1            General**

**1.1                SHOP DRAWINGS AND SUBMITTALS**

- .1    Comply with requirements of Section 20 00 13.
- .2    Include a schedule of the following information:
  - .1    Grille type and description
  - .2    Size and location
  - .3    Air flow volumes and noise levels
  - .4    Finish
  - .5    Accessories
- .3    Submit sample of each required air outlet and inlet type.

**1.2                PRODUCT OPTIONS AND SUBSTITUTIONS**

- .1    Refer to Division 1 for requirements pertaining to product options and substitutions.

**1.3                ABBREVIATIONS**

- .1    ADC: Air Diffusion Council
- .2    AMCA: Air Movement and Control Association

**1.4                PERFORMANCE STANDARDS**

- .1    Unit performance ratings listed in manufacturer's data shall be tested to the following standards:
  - .1    Supply Grilles: to ADC Equipment Test Code 1062 R2 and ASHRAE Standard 36B63.

**Part 2            Products**

**2.1                MAXIMUM SECURITY PERFORATED FACE GRILLE, TYPE S-1 AND E-1**

- .1    Air Pattern: 0° deflection
- .2    Construction:
  - .1    Face Plate: 5 mm hot rolled steel with 8 mm holes staggered 60° on 11 mm centers.

- .2 Sleeve: 5 mm hot rolled steel, length as required.
- .3 Mounting: 25 mm x 25 mm x 5 mm hot rolled steel loose angle frame for field welding.
- .4 Volume Control: opposed blade damper, operable from face of grille.
- .5 Finish: white powder coat.
- .6 Acceptable Material: Price MSPG/MF1/B12, Titus SG-PR with specified options, Anemostat.

**Part 3 Execution**

**3.1 INSTALLATION**

- .1 Make airtight connection between grilles and ductwork.
- .2 Provide balancing damper on duct take-off to each diffuser at main branch take-off, even when volume dampers are specified as part of grille assembly.
- .3 Arrange to paint ductwork visible behind air outlets matt black.
- .4 Adjust supply outlets to deliver patterns defined on drawings or as directed by Departmental Representative.

**END OF SECTION**