

**Part 1        General**

**1.1            PRODUCT DATA**

- .1        Submit product data in accordance with Section 01 33 00 – Submittal Procedures.
- .2        Indicate the following:
  - .1        Capacity.
  - .2        Throw and terminal velocity.
  - .3        Noise criteria.
  - .4        Pressure drop.
  - .5        Neck velocity.
  - .6        Construction and finish.
  - .7        Mounting details.

**1.2            SAMPLES**

- .1        Submit samples in accordance with Section 01 33 00 – Submittal Procedures.
- .2        Samples are required for following:
  - .1        Secure area grilles.

**1.3            CERTIFICATIONS**

- .1        Catalogued or published ratings shall be those obtained from tests carried out by manufacturer or those ordered by him from independent testing agency signifying adherence to codes and standards.

**1.4            WASTE MANAGEMENT AND DISPOSAL**

- .1        Separate and recycle waste materials in accordance with Section 01 74 21 – Construction/Demolition Waste Management and Disposal.
- .2        Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3        Dispose of corrugated cardboard plastic packaging material in appropriate on-site bin for recycling in accordance with site waste management program.

**Part 2 Products**

**2.1 GRILLES, REGISTERS, AND DIFFUSERS**

- .1 Provide standard product to meet capacity, throw, noise level, throat and outlet velocity.
- .2 Where grilles, registers and diffusers penetrate fire walls and fire partitions, provide approved steel sleeve secured to structure in accordance with NFPA 90A-2015.
- .3 Frames:
  - .1 Steel: prime coated with exposed welded joints and mitred corners.
  - .2 Aluminum: extruded with welded joints and mitred corners.
  - .3 Provide full perimeter gaskets.
  - .4 Provide plaster frames as plaster stops where set into plaster or gypsum board at all locations.
  - .5 Provide concealed fasteners and operators as specified.
- .4 Sizes and capacities: as indicated in Schedule on drawings.
- .5 Standard of Acceptance: E.H. Price, Titus, Krueger, Nailor.

**Part 3 Execution**

**3.1 INSTALLATION**

- .1 Install in accordance with manufacturers instructions.
- .2 Install with flat head colour matched screws in countersunk holes where fastenings are visible.
- .3 Bolt grilles, registers and diffusers, in place.
- .4 All diffusers, grilles and registers shall fit level, square and plumb to building lines with frame tight to adjacent surface. Where mounted in acoustic tile ceiling, centre in tile as shown on Departmental Representative's reflected ceiling plan.

**END OF SECTION 23 37 13**