

Part 1 General

1.1 CONTRACT CONDITIONS

- .1 The General Conditions of the Contract and Division 01 shall be read in conjunction with this Division, all of which shall be considered an integral part of this Contract.

1.2 WORK INCLUDED

- .1 Supply Air Plenums

1.3 STANDARDS

- .1 SMACNA
- .2 ASHRAE

Part 2 Products

2.1 SHEET METAL

- .1 Galvanized steel with G90 zinc coating to ASTM A525M-80.
- .2 Lock forming quality.
- .3 Gauge in accordance with ASHRAE recommendations for 1.5 times maximum working static pressure (<0.5 kPa).

2.2 FABRICATION

- .1 Construction as required by SMACNA Low Pressure Duct Construction Standards.
- .2 Provide small arc airfoil hollow vanes in curved fittings with throat radius less than duct width, or as indicated

2.3 JOINT ADHESIVE

- .1 Polymeric rubber, UL Classified.
- .2 United Duct Sealer.

2.4 SUPPORTS

- .1 Configuration of straps, hangers, rods and angles as per SMACNA details.
- .2 Provide lock nuts on all hangers

2.5 FLEXIBLE CONNECTIONS

- .1 Canvas, 0-68kkg/m2 density, wire reinforced, impervious neoprene core.
- .2 Adjustable stainless steel or nylon straps for attachment to duct and equipment, and compatible sealants.
- .3 Duro-Dyne "Durolon".

Part 3 Execution

3.1 INSTALLATION

- .1 Install steel duct in accordance with SMACNA manual, generally as indicated on the Drawings.
- .2 Ductwork shall be made air tight (no audible leaks under 0.5 kPa pressure) - duct tape will not be permitted for sealing of ductwork.
- .3 Duct transitions not to exceed 15 degrees, unless space restrictions deem otherwise.

3.2 ACOUSTIC LINING

- .1 Acoustically line new S/A plenums and existing R/A plenum.
- 3.3 TESTING
 - .1 Following completion of installation, all ductwork shall be thoroughly cleaned of dust, dirt and debris, and all filter elements cleaned or replaced as applicable.

END OF SECTION