

Smacna Hvac System Duct Design Manual

Smacna Hvac System Duct Design Manual - Details. The SMACNA HVAC Systems?Duct Design manual is intended to be used in conjunction with the American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. (ASHRAE) Fundamentals Handbook. The basic fluid flow equations are not included here, but may be found in the ASHRAE handbook. A comprehensive duct layout indicating sizes, design airflows, pressure class, and routing of the duct system. 2. The types of fittings to be used based on the designer's calculations of fitting losses (i.e., square versus 45 ° entry taps, conical versus straight taps, etc.). 3. Use of turning vanes or splitter vanes. The Kingspan KoolDuct System Project ... be in conformance with the The ASHRAE Design Fundamentals Handbook Chapter 35 or SMACNA HVAC Duct System Design Manual. HVAC Systems – Duct Design 3rd Ed., 1990. A fundamental duct system design manual for commercial and light industrial heating, ventilating and air conditioning systems. System effects for inlets and outlets of fans, noise control in ducts and use of extractors, splinters and dampers are included.