

## SECTION 15810 - DUCTS

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Metal ductwork.
- B. Nonmetal ductwork.
- C. Duct Insulation.

#### 1.2 RELATED REQUIREMENTS

- A. Section 15820 - Duct Accessories
- B. Section 15850 - Air Outlets and Inlets.
- C. Section 15950 - Testing, Adjusting, and Balancing.

#### 1.3 REFERENCE STANDARDS

- A. ASTM A 36/A 36M - Standard Specification for Carbon structural Steel; 2005.
- B. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hop-Dip Process; 2004a.
- C. NFPA 90A - Standard for the Installation of Air Conditioning and Ventilating Systems; National Fire Protection Association; 2002.
- D. SMACNA (DCS) - HVAC Duct Construction standards - Metal and Flexible; Sheet Metal and Air Conditioning Contractors' National Association; 1995, Second Edition with Addendum No. 1.
- E. UL 181 - Standard for Factory-Made Air Ducts and Air Connectors; Underwriters Laboratories Inc.; 2005
- F. NAIMA - North American Insulation Manufacturer's Association.

#### 1.4 PERFORMANCE REQUIREMENTS

- A. No variation of duct configuration or sizes permitted except by written permission. Size round ducts installed in place of rectangular ducts in accordance with ASHRAE table of equivalent rectangular and round ducts.

#### 1.5 REGULATORY REQUIREMENTS

- A. Construct ductwork to NFPA 90A standards.