

## **SECTION – 15942 PREFABRICATED PLENUM-DIFFUSER SYSTEM**

### **I. GENERAL**

- 1.1 The general conditions and supplemental general conditions of the contract apply to this section as if completely written herein.
- 1.2 The General Contractor shall provide all labor, material and equipment to completely install the Prefabricated Plenum-Diffuser System.

### **II. PRODUCTS**

- 2.1 The Prefabricated Plenum-Diffuser System shall be Model - (specify SFPD, VFPD, LPPD, or DLPD) as manufactured by: **RETAIL AIR SYSTEMS / CHATTANOOGA, TN**  
**TOLL FREE 1-800-245-8104**

### **III. CONSTRUCTION**

- 3.1 The Prefabricated Plenum-Diffuser System shall be constructed using, minimum 20 gauge LFQ, CQ, G-90 galvanized steel, or heavier gauge (as required). Turning Vanes in each quadrant for maximum performance. Vertical and horizontal adjustable deflection grilles. Factory insulated with 1” thick ultralite fiber duct liner insulation. Integral supply & return-air transitions.
- 3.2 The Prefabricated Plenum-Diffuser System shall include standard duct connections and wire mounting brackets (as required).
- 3.3 **OPTIONS:**
  1. Angles for Drop Ceiling Installation.
  2. Painted to Match Selected Colors.
  3. Engineered Curb and Duct Packages.

### **IV. INSTALLATION**

- 4.1 The Prefabricated Plenum-Diffuser System must be installed in accordance with instructions and as detailed on drawings.

### **V. COORDINATION**

- 5.1 The Prefabricated Plenum-Diffuser System sizes and options shall be coordinated by Retail Air Systems and the General and/or Mechanical Contractor prior to fabrication.
- 5.2 Shop drawing approval is required before fabrication.

### **VI. GUARANTEE**

- 6.1 The Prefabricated Plenum-Diffuser System shall be guaranteed to be free from defects in material or workmanship for a period of five years.