AFD Suggested Specification & Configuration

AFD
Furnish and install Krueger by Halton AFD displacement diffuser as indicated on the drawings and diffuser schedule.

The rounded triangle low velocity diffuser shall be made of galvanized steel with a polyester powder coat finish. The unit shall include a detachable perforated front panel and include an internal equalization baffle. The front panel shall have holes on a staggered pattern providing a well-balanced appearance and enhancement to performance. Both the internal baffle and diffuser face shall be attached securely to the extruded aluminum frame or galvanized housing. The diffuser design will be robust, rigid and sturdy with a 20ga. face and cabinet. The unit shall have a round duct connection as required by the diffuser schedule. Round inlets shall include a fixed rubber gasket located near the edge of the inlet ensuring a proper seal of the attached duct work. The horizontal edges of the diffuser shall include a vinyl or metal trim for aesthetic appeal. Mounting brackets shall be included with the unit for installation.

BASE
Furnish and install the base as indicated on the drawings and diffuser schedule. The base shall be manufactured of 20ga. steel to match the footprint of the displacement diffuser. The base height will be indicated on the drawings and diffuser schedule. The base will be independently removable from the diffuser allowing access to the duct if supplied from below; or to the area beneath the diffuser. The base finish will match the diffuser.

DUCT COVER
Furnish and install the duct cover as indicated on the drawings and diffuser schedule. The duct cover will be supplied in either a solid or perforated 20ga. steel material. The perforated material will match the diffuser in pattern and stagger. The duct cover will be supplied with mounting angles and trim pieces for installation. The duct cover finish will match the diffuser.

PERFORMANCE
Unit performance shall be tested in accordance with the following standards: Air flow rate, EN-ISO 5167-1; Pressure Difference, EN-ISO 5135; Sound Power Level, EN-ISO 7235.

1. **MODEL: (XXX)**
   AFD - Rounded Triangle, Low-Velocity Supply Unit

2. **UNIT SIZE: (XXxXX)**
   16x24 - Nominal
   17x24 - Nominal
   20x32 - Nominal
   21x24 - Nominal
   21x48 - Nominal
   24x32 - Nominal
   24x48 - Nominal
   29x48 - Nominal
   29x71 - Nominal
   34x48 - Nominal
   34x71 - Nominal
   40x71 - Nominal

3. **INLET: (XX) ***
   4, 5, 6, 8, 10, 12, 16, 20

4. **MATERIAL: (XX)**
   GS - Steel
   SS - 316 Stainless Steel **

5. **FRONT PANEL THICKNESS: (XX)**
   20 - 20 Gage (Standard)
   16 - 16 Gage

6. **TRIM: (XXX)**
   WHT - White
   BLK - Black
   MTL - Metal, Painted to Match

7. **DUCT COVER: (XX)**
   00 - None
   DP - Perforated Duct Cover
   DS - Solid Sheet Duct Cover

8. **DUCT COVER LENGTH: (XXX.XXX)**
   xxx.xxx - Length in Inches

9. **INSTALLATION BASE: (XX)**
   00 - None
   B2 - 2” Base Cover
   B4 - 4” Base Cover
   B6 - 6” Base Cover

10. **FINISH: (XX)**
    44 - White (RAL-9010)
    35 - Black
    90 - Polished ***
    07 - Custom

* *See dimensional information for unit and inlet size offerings.*

** *Material Code SS (316 stainless steel) not available with Front Panel Thickness code 16 (16 gage). Material Code SS (316 stainless steel) only available with Finish code 90 (polished). If Material Code SS (Stainless Steel) is selected, the Duct Cover and Installation Base, if selected will be Stainless Steel.*

*** *Finish code 90 (polished) not available with Material Code GS (steel).*

SAMPLE CONFIGURATION: AFD - 34x48 - 16 - GS - 20 - WHT - DP - 120.250 - B4 - 44