80, 580, 585, 480 Suggested Specification & Configuration

80, 580
The single deflection supply grille shall be a Krueger model 80 (steel) or 580 (aluminum). This grille must have individually adjustable blades on 3/4" centers with friction pivots (plastic blade pivots are not acceptable) made of 22 gage steel (80) or 0.025" aluminum (580). The frame of the grille must be constructed of 22 gage steel (80) or roll formed aluminum with minimum 0.032" thickness (580) for sizes less than and equal to 24"x24" and extruded aluminum with nominal thickness 0.040 – 0.050" for sizes greater that 24"x24" with countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

585
The single deflection supply grille shall be a Krueger model 585. This grille must have individually adjustable blades on 1/2" centers with friction pivots (plastic blade pivots are not acceptable) made of 0.025" aluminum. The frame of the grille must be constructed of roll formed aluminum with minimum 0.032" thickness for sizes less than and equal to 24"x24" and extruded aluminum with nominal thickness 0.040 – 0.050" for sizes greater that 24"x24" with countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

480
The heavy-duty single deflection supply grille shall be a Krueger model 480. This grille must have individually adjustable blades on 1/2" centers fully adjustable from 0° to 40° and made of 14 gage steel. The frame of the grille must be constructed of 18 gage steel with countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

Optional damper shall be available made of heavy gage steel (OBD) or aluminum (5OBD) and operable from the face of the supply grille.

PERFORMANCE
The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH
The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

1. SERIES: (XXX)
80 - Single Deflection, 3/4" Spacing, Steel Sidewall Grille
580 - Single Deflection, 3/4" Spacing, Aluminum Sidewall Grille
585 - Single Deflection, 1/2" Spacing, Aluminum Sidewall Grille
480 - Single Deflection, 1/2" Spacing, Steel Heavy Duty Grille

2. PATTERN: (X)
H - Horizontal Blades
V - Vertical Blades

3. WIDTH: (XX) ***
6" - 96" in 2" Increments

4. HEIGHT: (XX) ***
4" - 96" in 2" Increments

5. FRAME: (XXX) *
F22 - Surface Mount
F23 - Lay-in T-Bar

6. PANEL: (XX)x(XX) **
NONE
24"x24"
24"x48"

7. FASTENING METHOD: (XX)
00 - No Screw Holes
01 - Standard Screw Holes
02 - Concealed Mounting

8. DAMPER: (XX)
00 - No Damper
01 - Steel Opposed Blade Damper (Model OBD)
15 - Aluminum Opposed Blade Damper (Model 5OBD)

9. ACCESSORIES: (XX)
00 - No Accessories
01 - Plaster Frame

10.FINISH: (XX)
01 - Mill
10 - Alumican
35 - Black
44 - British White

* *Model 480 only available with Frame 22 (F22).*
** *Minimum of 4" difference required between neck and panel size.*
*** *Maximum single piece unit is 48"x48".*

SAMPLE CONFIGURATION: 580 - H - 32x10 - F22 - NONE - 01 - 01 - 00 - 44