

## ENGINEERING SPECIFICATION & CONFIGURATION

### S5480

The heavy-duty return grille shall be a Krueger model S5480. This grille must have fixed position 30° deflection (H and V models) or 0° deflection (HZ and VZ models) blades on 1/2" centers. The blades must be held in place by mullions that are securely attached to the frame. The frame of the grille must be constructed of extruded aluminum 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-duty extruded aluminum and operable from the face of the return 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: (XXXXX)

S5480 - Aluminum, heavy duty return grille

### 2. PATTERN: (XX)

H - 30° horizontal deflection  
V - 30° vertical deflection  
HZ - 0° horizontal deflection  
VZ - 0° vertical deflection

### 3. WIDTH: (XX)

4" - 72" in 1/4" increments

### 4. HEIGHT: (XX)

4" - 72" in 1/4" increments

### 5. FRAME: (XXX)

F22 - Surface mount

### 6. FASTENING METHOD: (XX)

00 - No screw holes  
01 - Standard screw holes

### 7. DAMPER: (XX)

00 - No damper  
25 - Extruded aluminum damper (model S5480OBD)

### 8. ACCESSORY: (XX) (XXX)

IS - Insect Screen\*  
DS - Debris Screen\*  
EQT - Earthquake Tab\*\*

### 9. FINISH: (XX)

44 - British White  
01 - Mill  
10 - Alumican  
35 - Black  
81 - Clear Anodize

\* Not available with damper.

\*\* Available up to size 22"x22".

**SAMPLE CONFIGURATION:** S5480 - HZ - 36.00x36.00 - 01 - 25 - IS - EQT - 81