

## 1800 Suggested Specification & Configuration

### 1800

The linear floor bar grille shall be Krueger model 1800 with 7/32" thick fixed bars at 0° or 15° deflection spaced on 1/2" centers or 7/32" thick fixed bars at 0° or 30° deflection spaced on 7/16" centers (pencil proof).

The 1800 shall be constructed of extruded aluminum with the maximum single length of 72". Units longer than 72" shall be provided in multiple sections. When end pieces require an end cap, the end cap must be mitered and welded to the linear frame. Screw attachment of end caps will not be accepted.

The 1800 linear bar core shall be removable with the fixed deflection bars running parallel to the longest dimension. Support bars for the core must not exceed 6" on center spacing.

Optional linear opposed blade damper (LOBD) shall be constructed of heavy gage steel (aluminum also available as 5LOBD). Damper shall be operable from the face of the grille.

Optional curving of linear bar grilles to a minimum of 72" radius is available upon request.

### 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 #10 Alumican 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: (XXXX)**  
1800 - Aluminum Linear Bar Floor Grille (7/32" Bars)
- 2. LENGTH: WIDTH CANNOT EXCEED (XXX.XXX)**  
6" - 999" in 1/16" Increments
- 3. WIDTH: (XX.XX)**  
2" - 12" in 1/4" Increments
- 4. BAR SPACING: (X)**  
N - Normal 1/2"  
P - Pencil Proof 7/16"
- 5. DEFLECTION: (XX)**  
0, 15°, or 30° \*
- 6. FRAME: (X)**  
H - 1 1/4"  
M - 1"  
N - 3/16"
- 7. MOUNTING: (XX)**  
00 - None  
01 - Spring Clip \*\*  
03 - Screw Hole Mounting \*\*
- 8. END BORDER: (X)**  
0 - End Cap Both Sides  
B - Both Ends Butt Cut  
L - Left End Butt Cut  
R - Right End Butt Cut
- 9. DAMPER: (XX) †**  
00 - No Damper  
01 - Steel LOBD  
15 - Aluminum LOBD
- 10. ACCESSORIES: (X) (X)**  
0 - No Accessories  
B - Blank-off Strip  
C - Core Clip  
L - Linear Straightening Grid
- 11. FINISH: (XX) ‡**  
01 - Mill  
10 - Alumican  
35 - Black  
44 - British White

*Lengths greater than 72" are in multiple sections.*

\* 30° Deflection only available with pencil proof bar spacing.

15° Deflection only available with normal bar spacing.

\*\* Fastening methods not available with Frame N.

† Damper available for widths 3" or greater.

‡ Clear and Bronze anodizing available.

**SAMPLE CONFIGURATION:** 1800 - 50x3 - P - 30 - H - 03 - 0 - 00 - 0 - 0 - 10