USG BORAL METAL CEILINGS PERFORATION GUIDE
Standard Perforation Pattern

**DM1A**
- Hole Size: Dia. 0.8mm
- Pitch: 5.0mm
- Open Area: 2.0%

**DM2A**
- Hole Size: Dia. 0.8mm
- Pitch: 3.5mm
- Open Area: 4.0%

**DM3A**
- Hole Size: Dia. 0.8mm
- Pitch: 10mm
- Open Area: 0.5%

**DM4A**
- Hole Size: Dia. 0.8mm
- Pitch: 7.0mm
- Open Area: 1.0%

**D-01A**
- Hole Size: Dia. 1.5mm
- Pitch: 4.0mm
- Open Area: 11.0%

**D-02A**
- Hole Size: Dia. 1.8mm
- Pitch: 5.0mm
- Open Area: 10.0%

**D-03A**
- Hole Size: Dia. 2.2mm
- Pitch: 5.0mm
- Open Area: 15.0%

**D-04A**
- Hole Size: Dia. 2.5mm
- Pitch: 5.5mm
- Open Area: 16.0%

**D-05A**
- Hole Size: Dia. 3.5mm
- Pitch: 7.0mm
- Open Area: 20.0%

**D-06A**
- Hole Size: Dia. 3.5mm
- Pitch: 9.0mm
- Open Area: 20.0%

**D-07A**
- Hole Size: Dia. 6.0mm
- Pitch: 12.0mm
- Open Area: 20.0%

**D-08A**
- Hole Size: Dia. 19.0mm
- Pitch: 25.5mm
- Open Area: 44.0%

**D-09A**
- Hole Size: Dia. 30.0mm
- Pitch: 47.0mm
- Open Area: 32.0%

**D-10A**
- Hole Size: Dia. 3.5mm
- Pitch: 8.2mm
- Open Area: 14.0%

**D-11A**
- Hole Size: Dia. 3.0mm
- Pitch: 10.63mm
- Open Area: 25.0%

**D-13A**
- Hole Size: Dia. 3.0mm
- Pitch: 10.0mm
- Open Area: 20.0%

**D-14A**
- Hole Size: Dia. 4.0mm
- Pitch: 8.0mm
- Open Area: 20.0%

**D-17A**
- Hole Size: Dia. 5.0mm
- Pitch: 10.0mm
- Open Area: 20.0%
**Perforation Guide**

- **D-18A**
  - **Hole Size**
    - Dia. 8.0mm
    - Pitch 12.0mm
    - Open Area 35.0%

- **D-20A**
  - **Hole Size**
    - Dia. 10.0mm
    - Pitch 30.0mm
    - Open Area 9.0%

- **D-23A**
  - **Hole Size**
    - Dia. 1.8mm
    - Pitch 3.55mm
    - Open Area 20.0%

- **D-25A**
  - **Hole Size**
    - Dia. 2.0mm
    - Pitch 4.0mm
    - Open Area 20.0%

- **D-01B**
  - **Hole Size**
    - Dia. 1.5mm
    - Pitch 4.0mm
    - Open Area 22.0%

- **D-02B**
  - **Hole Size**
    - Dia. 1.8mm
    - Pitch 5.0mm
    - Open Area 20.0%

- **D-03B**
  - **Hole Size**
    - Dia. 2.5mm
    - Pitch 5.5mm
    - Open Area 32.0%

**Project Specific Pattern**

[Images of various perforation patterns]
Standard Perforation Pattern

**D-04B**
- Hole Size: Dia. 3.0mm
- Pitch: 10.0mm
- Open Area: 14.0%

**D-07B**
- Hole Size: Dia. 6.0mm
- Pitch: 12.0mm
- Open Area: 39.0%

**D-01C**
- Hole Size: Dia. 2.0mm
- Pitch: 5.0mm
- Open Area: 15.0%

**D-03C**
- Hole Size: Dia. 2.0mm
- Pitch: 4.0mm
- Open Area: 23.0%

**D-04C**
- Hole Size: Dia. 1.5mm
- Pitch: 3.1mm
- Open Area: 21.0%

**D-06C**
- Hole Size: Dia. 4.5mm
- Pitch: 6.17mm
- Open Area: 48.0%

**D-07C**
- Hole Size: Dia. 3.5mm
- Pitch: 7.0mm
- Open Area: 23.0%

**D-08C**
- Hole Size: Dia. 12.0mm
- Pitch: 20.0mm
- Open Area: 33.0%

**D-09C**
- Hole Size: Dia. 5.0mm
- Pitch: 8.0mm
- Open Area: 35.0%

**D-10C**
- Hole Size: Dia. 5.0mm
- Pitch: 7.0mm
- Open Area: 46.0%

**D-S1A**
- Hole Size: Q.S.
- Pitch: 4.0mm x 4.0mm
- Open Area: 33.0%

**D-S2A**
- Hole Size: Q.S.
- Pitch: 4.0mm x 4.0mm
- Open Area: 44.0%

**D-S3A**
- Hole Size: Q.S.
- Pitch: 6.0mm x 6.0mm
- Open Area: 36.0%

**D-S4A**
- Hole Size: Q.S.
- Pitch: 5.6mm x 5.6mm
- Open Area: 36.0%

**D-S5A**
- Hole Size: Q.S.
- Pitch: 7.94mm x 7.94mm
- Open Area: 48.0%

**D-S6A**
- Hole Size: Q.S.
- Pitch: 9.3mm x 9.3mm
- Open Area: 48.0%

**D-S7A**
- Hole Size: Q.S.
- Pitch: 4.5mm x 4.5mm
- Open Area: 41.0%

**D-S8A**
- Hole Size: Q.S.
- Pitch: 5.0mm x 5.0mm
- Open Area: 22.0%
**Perforation Guide**

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<th>Hole Size</th>
<th>Description</th>
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<td>D-S8B</td>
<td>Q.S. 5.0mm x 5.0mm</td>
<td>Pitch 15.0mm, Open Area 22.0%</td>
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<tr>
<td>D-S9A</td>
<td>Q.S. 4.0mm x 4.0mm</td>
<td>Pitch 12.0mm, Open Area 11.0%</td>
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<td>BZ-01</td>
<td>Oblong 3.2mm x 11.4mm</td>
<td>Pitch 6.4mm x 14.0mm, Open Area 40.71%</td>
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<td>D-R1</td>
<td>Oblong 2.0mm x 14.0mm</td>
<td>Pitch 6.5mm x 18.5mm, Open Area 23.0%</td>
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<td>D-R2</td>
<td>Oblong 2.0mm x 14.0mm</td>
<td>Pitch 13.0mm x 18.5mm, Open Area 11.0%</td>
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<tr>
<td>D-R3</td>
<td>Oblong 6.0mm x 25.0mm</td>
<td>Pitch 11.0mm x 30.0mm, Open Area 45.0%</td>
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</tbody>
</table>

**LS-01**

- Hole Size: Dia. 2.5mm
- Pitch: 10.0mm
- Open Area: 5.0%

**Project Specific Pattern**

- Various images of perforation designs are shown.

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