NOTE: PANELS AND STEEL FRAMES MAY COME IN CUSTOM SIZES AND CURVES AS SPECIFIED. ABSORBER PANELS ARE BACKED WITH 1" OR 2" ACOUSTICAL BACKER AND MAY COME IN CUSTOM PERFORATION PATTERNS (STANDARD PATTERNS AT END OF DETAIL BOOK).

1. TYPICAL CONVEX CLOUD SECTION

2. TYPICAL FLAT CLOUD SECTION

3. TYPICAL CONCAVE CLOUD SECTION
1. **ALIGNMENT PLATE ISOMETRIC**

   6" = 1'-0"

   - Edge Trim (Optional)
   - 1"x1"x2" Angle Bracket
   - Miterfold Option for Flat Clouds Only (Factory Applied)
   - Frame Saddle (Factory Applied)

2. **FRAME SADDLE DETAILS**

   6" = 1'-0"

   - Wire Suspension by Other
   - Welded D-Ring for Suspension
   - Steeltube Frame
   - 3/4" Thick Panel Per Specification

3. **FLAT CLOUD TRIM DETAIL (MITERFOLD APPLICATION)**

   1 1/2" = 1'-0"

   - Frame Saddle (Factory Applied)
   - Steeltube Frame
   - Alignment Plate (Field Applied)
   - Black Felt Strip - Typ. At Reveals (Field Applied)
   - 3/4" Thick Panel Per Specification
   - 1/4" Reveal Typ.

4. **TYPICAL JOINT**

   3" = 1'-0"

**HARDWARE DETAILS & MITERFOLD TRIM OPTION**
WIRE SUSPENSION BY OTHER

1"x1"x2" ANGLE BRACKET

FRAME SADDLE (FACTORY APPLIED)

3/4" THICK PANEL PER SPECIFICATION

EDGE TRIM (OPTIONAL)

TYPICAL CONVEX CLOUD EDGE DETAIL

1 1/2" = 1'-0"

1

TYPICAL FLAT CLOUD EDGE DETAIL

1 1/2" = 1'-0"

2

TYPICAL CONCAVE CLOUD DETAIL

1 1/2" = 1'-0"

3

WELDED D-RING FOR SUSPENSION

STEELTUBE FRAME*

WIRE SUSPENSION BY OTHER
1. **CONVEX CLOUD TRIM DETAIL (TOP APPLICATION)**

   1 1/2" = 1'-0"

   - Wire Suspension by Other
   - Welded D-Ring for Suspension
   - Steeltube Frame*

2. **FLAT CLOUD TRIM DETAIL (TOP APPLICATION)**

   1 1/2" = 1'-0"

   - Wire Suspension by Other
   - Welded D-Ring for Suspension
   - Steeltube Frame*

3. **CONCAVE CLOUD TRIM DETAIL (TOP APPLICATION)**

   1 1/2" = 1'-0"

   - Wire Suspension by Other
   - Welded D-Ring for Suspension
   - Steeltube Frame*

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**CLOUD - TRIM DETAILS (TOP APPLICATION)**

Scale: As Noted

Last Revised: 6/21/2018

Drawn by: BMH

ASI

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FIRE RATED MDF OR PARTICLE BOARD CORE
FRAME SADDLE (FACTORY APPLIED)
STEEL TUBE FRAME
#8 X 9/16" TRUSS HEAD PANEL SCREW (FACTORY APPLIED)
FIRED RATED MDF OR PARTICLE BOARD CORE
WELDED D-RING FOR SUSPENSION (FACTORY APPLIED)
OPTIONAL BLACK FELT STRIP - TYP. ON ALL REVEALS (FIELD APPLIED)
EDGE BANDING (ALL SIDES TYP.)
ALIGNMENT PLATES 24" O.C. MAX (FIELD APPLIED)
#8 X 9/16" TRUSS HEAD PANEL SCREW (FIELD APPLIED)
8" MAX - 3" MIN (TYP. AT ALL EDGES) FOR FIELD APPLIED ALIGNMENT PLATES

14 GAUGE WELDED STEEL FRAME PAINTED BLACK (FACTORY APPLIED)

D RINGS WELDED TO FRAME (FACTORY APPLIED)

1/4" REVEAL TYP.

1/8" KERF CUTS (ON CURVED PANELS ONLY)

OPTIONAL BLACK FELT STRIP - TYP. ON ALL REVEALS (FIELD APPLIED)

ALIGNMENT PLATES 24" O.C. MAX (FIELD APPLIED)

FRAME SADDLE (FACTORY APPLIED)

TYPICAL CLOUD LAYOUT

1/2" = 1'-0"
<table>
<thead>
<tr>
<th>Pattern</th>
<th>Open (%)</th>
<th>Pattern</th>
<th>Open (%)</th>
<th>Pattern</th>
<th>Open (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5.05% OPEN</strong></td>
<td></td>
<td><strong>10.06% OPEN</strong></td>
<td></td>
<td><strong>10.10% OPEN</strong></td>
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</tr>
<tr>
<td>STAGGERED: 8MM DIA./16MM SPACING</td>
<td></td>
<td>STAGGERED: 6MM DIA./16MM SPACING</td>
<td></td>
<td>STAGGERED: 4MM DIA./16MM SPACING</td>
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</tr>
<tr>
<td>DIAMOND: 8MM DIA./16MM SPACING</td>
<td></td>
<td>SQUARE: 8MM DIA./16MM SPACING</td>
<td></td>
<td>SQUARE: 6MM DIA./16MM SPACING</td>
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<tr>
<td><strong>3.78% OPEN</strong></td>
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<td><strong>7.54% OPEN</strong></td>
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<td><strong>7.56% OPEN</strong></td>
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<tr>
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<td>STAGGERED: 6MM DIA./16MM SPACING</td>
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</tr>
<tr>
<td><strong>2.52% OPEN</strong></td>
<td></td>
<td><strong>5.03% OPEN</strong></td>
<td></td>
<td><strong>5.05% OPEN</strong></td>
<td></td>
</tr>
<tr>
<td>DIAMOND: 4MM DIA./16MM SPACING</td>
<td></td>
<td>SQUARE: 4MM DIA./16MM SPACING</td>
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<td>STAGGERED: 4MM DIA./16MM SPACING</td>
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**ABSORBER STANDARD PERFORATION PATTERNS**
(16MM SPACING)
<table>
<thead>
<tr>
<th>Pattern Type</th>
<th>Diameter (mm)</th>
<th>Spacing (mm)</th>
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<td>32</td>
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<td>6</td>
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<td>32</td>
<td>3.78%</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>32</td>
<td>2.52%</td>
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</table>

*ABSORBER STANDARD PERFORATION PATTERNS (32MM SPACING)*