<table>
<thead>
<tr>
<th>No.</th>
<th>Detail Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FD01</td>
<td>Interior Roof Drain Detail</td>
<td>2</td>
</tr>
<tr>
<td>FD02</td>
<td>Interior Drain with Gravel Stop Detail</td>
<td>3</td>
</tr>
<tr>
<td>FD03</td>
<td>Scupper Roof Drain Detail</td>
<td>4</td>
</tr>
<tr>
<td>FD04</td>
<td>Gutter Roof Drain Detail</td>
<td>5</td>
</tr>
<tr>
<td>FD05</td>
<td>Roof-Top Equipment Curb Detail</td>
<td>6</td>
</tr>
<tr>
<td>FD06</td>
<td>Roof-Top Metal Air Shaft Curb Detail</td>
<td>7</td>
</tr>
<tr>
<td>FD07</td>
<td>Roof-Top Wood Air Shaft Curb Detail</td>
<td>8</td>
</tr>
<tr>
<td>FD08</td>
<td>Roof Skylight Detail</td>
<td>9</td>
</tr>
<tr>
<td>FD09</td>
<td>Roof-Top Chimney Pipe Detail</td>
<td>10</td>
</tr>
<tr>
<td>FD10</td>
<td>Roof-Top Plumbing Vent Pipe Detail</td>
<td>11</td>
</tr>
<tr>
<td>FD11</td>
<td>Sheet Metal Pipe Enclosure Detail</td>
<td>12</td>
</tr>
<tr>
<td>FD12</td>
<td>Roof-Top Pipe Roller Support Detail</td>
<td>13</td>
</tr>
<tr>
<td>FD13</td>
<td>Structural Roof Deck Penetration Detail</td>
<td>14</td>
</tr>
<tr>
<td>FD14</td>
<td>Metal Covered Expansion Joint Detail</td>
<td>15</td>
</tr>
<tr>
<td>FD15</td>
<td>Premanufactured Expansion Joint Detail</td>
<td>16</td>
</tr>
<tr>
<td>FD16</td>
<td>Roof Area Divider Detail</td>
<td>17</td>
</tr>
<tr>
<td>FD17</td>
<td>Raised Metal Roof Edge Detail</td>
<td>18</td>
</tr>
<tr>
<td>FD18</td>
<td>Gravel Stop Metal Roof Edge Detail</td>
<td>19</td>
</tr>
<tr>
<td>FD19</td>
<td>Post Supported Roof Deck Flashing Detail</td>
<td>20</td>
</tr>
<tr>
<td>FD20</td>
<td>Wall Supported Roof Deck Flashing Detail</td>
<td>21</td>
</tr>
<tr>
<td>FD21</td>
<td>Concrete Wall Counter flashing Detail</td>
<td>22</td>
</tr>
<tr>
<td>FD22</td>
<td>Metal Wall Cap Flashing Detail</td>
<td>23</td>
</tr>
</tbody>
</table>
FD01 Interior Roof Drain Detail

Notes

1. Metal deck sump pans are prohibited.

2. Type 1 dead level asphalt is prohibited in the drain sump area.
A 30” sq min, 1 1/2 lb to 4 lb lead, or 16 oz copper flashing adhered onto finished roof with M 300 RubrMastic. Prime top surface of metal flashing with M 400 RubrPrime and install M 60 RubrPoly flashing sheets.

A 1” x 4” sheet metal gravel stop, 36” sq min adhered in place with M 300 RubrMastic.

Prime top surface of metal flashing with M 400 RubrPrime and install M 60 RubrPoly flashing sheets.

M 60 RubrPoly flashing sheets

Thermal insulation

Coverboard insulation

Roof deck

Tapered insulation

Clamping ring

Deck clamp

Drain bowl

Fields roof membrane sheets, metal flashing, & M 60 RubrPoly flashing sheets all under clamping ring

M 300 RubrMastic

Fields roof membrane sheets

Notes

1. Metal deck sump pans are prohibited.

2. Type 1 dead level asphalt is prohibited in the drain sump area.
Notes

1. This detail shall be installed only where the deck is supported by the outside wall.

2. This detail may be adapted to roof edges as shown in Interior Roof Drain Detail FD01.

3. Roof surfaces shall be sloped for positive drainage.

4. Attach wood nailer to wall with suitable fasteners.

5. Wood blocking shall be slotted for venting wet filled decks.

6. Scupper opening through roof edge shall be 2’ or less.
Notes

1. In climates where the winter temperature remains below freezing for extended periods of time, install Raised Metal Roof Edge Detail FD17 and interior drains, or through curb scuppers to drain the roof.

2. Gutter brackets are required to be at least one gauge heavier than gutter stock.

3. Attach wood nailer to wall or deck with suitable fasteners.

4. Gutter expansion joints shall be installed at appropriate intervals commensurate with the type of metal.
**Notes**

1. This detail allows for roof maintenance around supported equipment. The continuous support design shall be installed in light weight structural systems so as to distribute the equipment weight across two or more structural support members. A min of 2' of horizontal clearance shall be provided for removal and replacement of roofing and flashing between parallel supports. A min of 3' of vertical clearance from roof surface to bottom of supported equipment shall be provided.

2. Attach wood nailer to deck with suitable fasteners.
Notes

1. The top wood nailer of the curb & the seal strip shall be supplied by the curb manufacturer.

2. Attach the treated wood nailer to deck with suitable fasteners.

3. Mechanical units shall be installed after the roof membrane and flashings have been installed.
Notes

1. Attach wood nailer to the deck with suitable fasteners.

2. The equipment shall be set after the roof membrane and flashings have been installed.
Note

1. Attach treated wood nailer to deck with suitable fasteners.
Notes

1. This detail allows the opening to be completed before the stack is placed.

2. The clearance necessary between the gypsum or metal liner and the stack, and the need for insulation, will depend on the temperature of the material emitted through the stack.

3. Attach treated nailer to the deck with suitable fasteners.
### Notes

1. Soft metal pipe flashing:
   - Minimum sheet lead of 2.25 lb per sq ft or
   - Minimum sheet copper of 16 oz per sq ft

2. If using copper flashing over an iron or steel pipe, insert a separator sheet wrapped around pipe, to separate the copper flashing from direct contact with pipe so as to reduce galvanic reaction.

3. Vent stacks and other pipes shall have a min of 12" clearance on all sides from walls, curbs, and other projections to facilitate correct flashing & maintenance.
Notes

1. This detail eliminates pitch pockets for piping penetrations through the roof. Pitch pocket installations are prohibited.

2. Attach treated wood nailer to deck with suitable fasteners.
Notes

1. It is required that pipes & conduits be installed in other locations other than on the roof. However, where pipes and conduits are absolutely necessary on the roof, a pipe roller support is required.

2. This detail is designed to eliminate roof damage due to expansion and contraction of pipes & conduits.
Notes

1. This detail eliminates pitch pockets for structural penetrations through the roof. Pitch pockets are prohibited.

2. This curbed system allows for movement in the structural member without damaging the roof system membrane.

3. Attach treated wood nailer to deck with suitable fasteners.
Notes

1. This detail allows for building movement in both directions.

2. Flashing requirements are the same for both sides of expansion joint.

3. Attach treated wood nailer to deck with suitable fasteners.
FD15 Premanufactured Expansion Joint Detail

**Notes**

1. This detail allows for building movement in both directions.

2. Flashing requirements are the same for both sides of expansion joint.

3. Attach treated wood nailer to deck with suitable fasteners.

---

Fields Roof Systems Manual  •  (253) or (800) 627-4098  •  www.fieldscorp.com
Notes

1. An area divider shall be designed as a raised double wood member attached to a securely fastened wood base plate that is anchored to the roof deck. Area dividers shall be located between the roof’s expansion joints at about 150’ to 200’ intervals, depending upon climatic conditions. Area dividers are prohibited from restricting the flow of water.

2. The flashing requirements are the same for both sides of the area divider.

3. Attach the treated wood nailer to the deck with suitable fasteners.
Notes

1. Attach the treated wood nailers to the wall or deck with suitable fasteners.

2. Wood blocking shall be slotted for venting wet filled decks.

3. This detail shall be installed only where the deck is supported by the outside wall.
Notes

1. Rigid metal flanges are prohibited from being installed between the roofing sheets. See “Raised Metal Roof Edge Detail FD 17” for perimeter construction.

2. This detail shall be installed only where the deck is supported by the outside wall.

3. Attach treated wood nailer to the wall with suitable fasteners.

4. Wood blocking shall be slotted for venting wet filled decks.

5. Frequent nailing of sheet metal flange is required to minimize thermal movement.
Notes

1. This detail should be installed where there is any possibility that differential movement will occur between the deck and a vertical surface. The wood members should not be fastened to the wall.

2. The joints in the sheet metal counterflashing shall not be soldered.

3. Attach treated wood nailer to deck with suitable fasteners.

4. This detail is not for use with lightweight fills.
Notes

1. This detail shall be installed where the deck is supported by the wall.

2. The joints in the sheet metal counterflashing shall not be soldered.

3. A fiber cant may be adhered in ambient or hot asphalt in place of wood cants.
Notes

1. This detail shall be installed where the deck is supported by the wall.

2. Attach the treated wood nailer to the deck with suitable fasteners.

3. A fiber cant may be adhered in ambient or hot asphalt in place of wood cants.

4. Counterflashing detail shall be a 2 piece reglet and counterflashing.
Notes

1. This detail shall be installed when the roof deck is supported by the wall. See “Post Supported Roof Deck Flashing Detail FD 19”.

2. Attach treated wood nailer to deck with suitable fasteners.

3. A fiber cant may be adhered in ambient or hot asphalt in place of wood cants.