### Technical Guidance Manual

**Green Roof Typical Detail**

#### Notes:

1. Woven geotextile fabric shall meet requirements of Specification IUM 592 Geotextile, Table 1, Class L, with an apparent opening size of 50.
2. Plantings shall be selected according to ASTM E2400-08, Guide for Selection, Installation and Maintenance of Plants for Green (Vegetated) Roof Systems.
3. Growth media shall consist of 80% lightweight inorganic materials and 20% organic matter.
4. There shall be a minimum setback of 2-feet from roof perimeter and roof penetrations.

#### Volume Details

<table>
<thead>
<tr>
<th>VOLUME TYPE</th>
<th>POROSITY</th>
<th>MEDIA VOLUME</th>
<th>STORAGE VOLUME</th>
<th>VOLUME PROVIDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROWTH MEDIUM</td>
<td>0.25</td>
<td>$V_A$</td>
<td>$0.25 \times V_A$</td>
<td></td>
</tr>
<tr>
<td>DRAINAGE LAYER</td>
<td>0.25</td>
<td>$V_B$</td>
<td>$0.25 \times V_B$</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL**

PLANTS: PERENNIALS AND SHRUBS

2" TO 12" GROWTH MEDIUM (TYP.)

WOVEN GEOTEXTILE FABRIC

DRAINAGE: 2" TO 6" GRAVEL LAYER

HEALTHY PEA GRAVEL OR ROCK (16 STONE)

OCCASIONAL MAT OR PLATE SYSTEM

ALUMINUM CURBING

2" (MIN.)

ROOF DRAIN WITH PARAPET WELL

PERFORATED ALUMINUM CURB (TYP.) WITH WOVEN GEOTEXTILE FABRIC

TECHNICAL GUIDANCE MANUAL

GREEN ROOF TYPICAL DETAIL