### GREEN ROOF CASE STUDY

#### General Project Information

<table>
<thead>
<tr>
<th>Name of Project</th>
<th>Lester B. Pearson</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street</td>
<td>53 Cummer Avenue</td>
</tr>
<tr>
<td>City</td>
<td>Toronto</td>
</tr>
<tr>
<td>State/Province</td>
<td>Ontario</td>
</tr>
<tr>
<td>Country</td>
<td>Canada</td>
</tr>
<tr>
<td>Developer/Client</td>
<td></td>
</tr>
<tr>
<td>Completion date</td>
<td>June 2006</td>
</tr>
</tbody>
</table>

#### Project Description:

- **Most significant project driver**: Storm Water Reduction;
- **Additional project driver (s)**: Other: Recreation
- **Design intent**: Aesthetic
- **Green roof certifications /awards**: 
- **Unique site features/challenges**: 
- **Building Type**: Multi-family residential; Above ground parking garage:
- **Building height**: The Building is 4 stories. The parking garage with the green roof is on the first floor
- **Construction type application**: New construction;
- **Green roof type**: Extensive/Intensive
- **Greenroof test/research facility**: No
- **Roof size (m²)**: 775 m²
- **Roof slope (%)**: 0-5%
- **Roof accessibility?**: Yes
- **Public access?**: No

#### Green Roof Specifics

- **Green roof system**: ZinCo Floradrain FD40: Perennial Garden (extensive) & ZinCo Floradrain FD60 Park Landscape (intensive)
- **Greenroof system**: ZinCo Floradrain FD40 (40mm) & ZinCo Floradrain FD60, filled with crushed brick (60mm)
- **Waterproof membrane**: Hot rubberized Asphalt
- **Protection layer**: ZinCo protection mat SSM45 (extensive) & ZinCo protection mat ISM50 (Intensive)
- **Insulation**: ZinCo Growing Medium for intensive Green Roofs
- **Filter cloth**: ZinCo filtersheet SF
- **Drainage layer**: ZinCo Growing Medium for intensive Green Roofs
- **Growing medium**: Sedums & drought resistant perennials (extensive) & Little trees + vegetables (intensive)
- **Type of plant species**: Sedums & drought resistant perennials (extensive) & Little trees + vegetables (intensive)

- **# of plants (m²)**: Please specify: 10 to 20;
- **Supported habitat**: 
- **Maintenance required**: Periodic watering in the first two growing seasons; weeding, inspection roof drains, fertilizing
- **Maintenance schedule**: Semi annual;
- **Maintenance cost annual**: 
- **Who maintains the roof?**: Landscape Contractor

#### Architect/Contractor Information

- **Architect/Contractor Information**
  - **Architect**
    - **Name**: Perkins Eastman Black Architects
  - **Landscape Architect**
    - **Name**: 
    - **Company**: 
    - **Role**: 
  - **Envelope Engineer or Roof Consultant**
    - **Name**: 
    - **Company**: 
    - **Role**: 
  - **General Contractor**
    - **Name**: The Atlas Corporation
    - **Company**: 
    - **Role**: 
  - **Roofing Subtrade**
    - **Name**: Roque Roofing Inc.
    - **Company**: 
    - **Role**: 

#### Additional Resources:

- **Website/newslinks/articles etc...**: [www.zinco.ca](http://www.zinco.ca)

---

**Submitted By:**

- **Name**: Jelle Vonk
- **Title**: Mr.
- **Company name**: ZinCo Canada Inc.
- **Address**: P.O.Box 29
- **City**: Carthage
- **Province/State**: Ontario
- **Postal code/Zip code**: L0R 1H0
- **Country**: Canada
- **Telephone**: 905-689-5373
- **Email**: greenroof@zinco.ca