

**GREEN ROOF CASE STUDY**

**General Project Information**

|                         |                                   |
|-------------------------|-----------------------------------|
| <b>Name of Project</b>  | Wellesley Long Term Care Facility |
| <b>Street</b>           | Wellesley St.                     |
| <b>General location</b> |                                   |
| <b>City</b>             | Toronto                           |
| <b>State/Province</b>   | Ontario                           |
| <b>Country</b>          | Canada                            |
| <b>Developer/Client</b> | Tri-Axis                          |
| <b>Completion date</b>  | Spring 2005                       |

**Project Description:**

|   |                             |
|---|-----------------------------|
| <b>Most significant project driver</b>  | Owner                       |
| <b>Additional project driver (s)</b>    | Neighbours                  |
| <b>Design intent</b>                    | Low maintenance; Aesthetics |
| <b>Project certifications /awards</b>   |                             |
| <b>Unique site features /challenges</b> |                             |
| <b>Building Type</b>                    | Long term care facility     |
| <b>Building height</b>                  | 4 Floors                    |
| <b>Construction type application</b>    | New construction            |
| <b>Green roof type</b>                  | Extensive                   |
| <b>Greenroof test/research facility</b> | No                          |
| <b>Roof size (m<sup>2</sup>)</b>        | 1000                        |
| <b>Roof slope (%)</b>                   | 2                           |
| <b>Roof accessibility?</b>              | Yes                         |
| <b>Public access?</b>                   | No                          |

**Green Roof Specifics**

|                                     |   |
|-------------------------------------|---|
| <b>Build-up of roof (materials)</b> |   |
| <b>System or Products?</b>          |   |
| <b>Greenroof system</b>             | Xero Flor XF301 green roof system                               |
| <b>Waterproof membrane</b>          |   |
| <b>Insulation</b>                   |   |
| <b>Protection layer</b>             | XF 135 Filter Fleece  |
| <b>Drainage layer</b>               |   |
| <b>Filter cloth</b>                 |   |
| <b>Growing medium</b>               | xero terr® substrate (Pre-cultivated vegetation blanket)        |
| <b>Growing medium depth</b>         | 2.5cm   |
| <b>Other materials</b>              |   |
| <b>Type of plant species</b>        | Sedum   |
| <b># of plant species (m2)</b>      | 10 to 20  |
| <b>Supported habitat</b>            |   |
| <b>Maintenance required</b>         | Fertilization, periodic water during periods of extreme drought |
| <b>Maintenance schedule</b>         | Semi annual   |
| <b>Maintenance cost annual</b>      |   |
| <b>Who maintains the roof?</b>      | Xero Flor Canada Ltd.   |

**Architect/Contractor Information**

|   |                              |
|---|------------------------------|
| <b>Architect</b>                            |                              |
| <b>Name</b>                                 |                              |
| <b>Title</b>                                |                              |
| <b>Company</b>                              |                              |
| <b>Role</b>                                 |                              |
| <b>Landscape Architect</b>                  |                              |
| <b>Name</b>                                 |                              |
| <b>Title</b>                                |                              |
| <b>Company</b>                              | Quinn Design Associates Inc. |
| <b>Role</b>                                 |                              |
| <b>Envelope Engineer or Roof Consultant</b> |                              |
| <b>Name</b>                                 |                              |
| <b>Title</b>                                |                              |
| <b>Company</b>                              |                              |
| <b>Role</b>                                 |                              |
| <b>General Contractor</b>                   |                              |
| <b>Name</b>                                 | Rudi Tomaini                 |
| <b>Title</b>                                |                              |
| <b>Company</b>                              | Tri-Axis                     |
| <b>Role</b>                                 |                              |
| <b>Roofing Subtrade</b>                     |                              |
| <b>Name</b>                                 |                              |
| <b>Title</b>                                |                              |
| <b>Company</b>                              | Flynn Canada                 |
| <b>Role</b>                                 |                              |

**Additional Resources:**

|  |  |
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| <b>Websites /newslinks/articles etc...</b> |  |
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**Submitted By:**

|                             |  |
|-----------------------------|--|
| <b>Name:</b>                | Rob LeBrow   |
| <b>Title:</b>               |  |
| <b>Company name:</b>        | Xero Flor Canada Ltd.                                  |
| <b>Address:</b>             | 271 Elgin St. Unit 8                                   |
| <b>City</b>                 | Brantford  |
| <b>Province/State</b>       | Ontario  |
| <b>Postal code/Zip code</b> | N3S 5B2  |
| <b>Country</b>              | Canada   |
| <b>Telephone</b>            | (519) 753-4874   |
| <b>Email</b>                | <a href="mailto:info@xeroflor.ca">info@xeroflor.ca</a> |