

**GREEN ROOF CASE STUDY**

**General Project Information**

|                         |                  |
|-------------------------|------------------|
| <b>Name of Project</b>  | Sisters Of Mercy |
| <b>Street</b>           | 11 Mile Road     |
| <b>General location</b> |                  |
| <b>City</b>             | Farmington Hills |
| <b>State/Province</b>   | Michigan         |
| <b>Country</b>          | USA              |
| <b>Developer/Client</b> |                  |
| <b>Completion date</b>  | Oct-05           |

**Project Description:**

|   |                         |
|---|-------------------------|
| <b>Most significant project driver</b>  | Owner                   |
| <b>Additional project driver (s)</b>    | stormwater              |
| <b>Design intent</b>                    | Low maintenance         |
| <b>Project certifications /awards</b>   |                         |
| <b>Unique site features /challenges</b> |                         |
| <b>Building Type</b>                    | Long term care facility |
| <b>Building height</b>                  | 3 floors                |
| <b>Construction type application</b>    | Retrofit                |
| <b>Green roof type</b>                  | Extensive               |
| <b>Greenroof test/research facility</b> | No                      |
| <b>Roof size (m<sup>2</sup>)</b>        | 1100                    |
| <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>                | Siplast   |
| <b>Insulation</b>                         |   |
| <b>Protection layer</b>                   | Xero Flor XF112 Root Barrier                                    |
| <b>Drainage layer</b>                     | Xero Flor XF108 Drainage Mat                                    |
| <b>Filter cloth</b>                       | Xero Flor XF158 Water Retention Fleece                          |
| <b>Growing medium</b>                     | xero terr® substrate  |
| <b>Growing medium depth</b>               | 2.5cm (Pre-cultivated Vegetation Blanket)                       |
| <b>Other materials</b>                    |   |
| <b>Type of plant species</b>              | Sedum   |
| <b># of plant species (m<sup>2</sup>)</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>            | Building manager  |

**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>                              |               |
| <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>                                 |               |
| <b>Title</b>                                |               |
| <b>Company</b>                              |               |
| <b>Role</b>                                 |               |
| <b>Roofing Subtrade</b>                     |               |
| <b>Name</b>                                 | Bill Makie    |
| <b>Title</b>                                |               |
| <b>Company</b>                              | Royal Roofing |
| <b>Role</b>                                 |               |

**Additional Resources:**

|  |  |
|--|--|
| <b>Websites /newslinks/articles etc...</b> |  |
|--|--|

**Submitted By:**

|                             |  |
|-----------------------------|--|
| <b>Name:</b>                | Rob LeBrow   |
| <b>Title:</b>               |  |
| <b>Company name:</b>        | Xero Flor Canada Ltd.                                  |
| <b>Address:</b>             | 273 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> |