

## SFU University City Childcare Custom Rainwater Harvesting System



The first childcare centre in the world to integrate the Living Building Challenge™.

UniverCity Childcare is the first childcare centre in the world to comply to the Living Building Challenge™, the next generation of green building requirements that goes beyond LEED Platinum. This 510m<sup>2</sup> childcare centre addresses the considerable environmental design ambitions of the Living Building Challenge with the early childhood learning objectives of Reggio Emilio. LEED allows you to choose the credits to pursue; the Living Building Challenge is unequivocal. The SFU Childcare Centre is registered in version 1.3, with 16 design prerequisites, all of which must be met in order to achieve Living Building certification. The prerequisites are grouped into six categories: Site, Materials, Energy, Water, Indoor Quality, and Beauty & Inspiration. By collecting rainwater in a 10,000-gallon cistern for use within the building, the stormwater run-off will be significantly reduced. Any additional run-off will be infiltrated on site and, if necessary, diverted to the community's sustainable stormwater treatment system.

### Want to get serious about sustainability through rainwater harvesting?

BARR is the Canadian distributor for cost-effective and versatile GRAF systems. Check out our GRAF rainwater harvesting systems on our website, here:

<http://e-barr.com/barrRWH>

### Project Team

**Architect:** HCMA

**General Contractor:** Ledcor

**Civil Engineer:** AECOM

**Mechanical Engineer:** Integral Group

**LA:** Space2place

### Standard

Living Building Challenge  
Version 1.3, Net Zero Energy

### BARR Product

10,000 Gal Custom FRP Rain  
Water Harvesting tank with  
external Optimax Filter



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