



Case Study

Project NameMonza Condo Residences
Centre LocationToronto, ON
Size105 m²
Date Installed2024
System StormCap™ Detain 3°
Construction Type Concrete
DesignersStudio TLA, LEA Consulting



The StormCap™ Detain 3° Blue-Green roof system at Monza Condos was designed to attenuate the peak flow and to release runoff gradually to meet the City of Toronto's quantity control target. When the planned permeable pavement and subsurface units became unfeasible, the project engineer and landscape architect pivoted to upgrade the originally specified LiteN'Less green roof system to StormCap™ Detain 3°, meeting the 5m³ detention storage requirement. Through proprietary software modelling, a custom StormCap™ Detain 3° system build-up was determined to ensure optimal performance for the site's unique conditions.

StormCap™ Detain 3° slows water flow through friction generated in the detention layer as runoff accumulates, ensuring even distribution of water across the entire green roof. Unlike conventional blue-green roofs, which concentrate water near control flow drains, this system optimizes rooftop storage by uniformly managing water without the need for control flow drains.

By storing rainwater on the roof, StormCap™ Detain 3° downsizes or eliminates underground storage tanks, freeing up valuable space and delivering a strong ROI.



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