

METRIC	TIER 1 MANDATORY REQUIREMENTS	SUBMISSION REQUIREMENTS FOR SITE PLAN APPROVAL
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Theme 5: Natural Systems

<p>NS1: HEAT ISLAND EFFECT</p>	<p>Use combination of the following strategies to treat at least 50% of the site’s (non-roof) hardscape:</p> <ul style="list-style-type: none"> • High-albedo paving materials • Open grid pavement and/or permeable surfaces • Shade from existing or new tree canopy • Shade from energy generation structures 	<ul style="list-style-type: none"> • Site Statistics Template: Landscape and Natural Systems Statistics Section • Materials List: SRI of high albedo paving • Landscape Plan: treated hardscape, soft landscaping, and maintenance requirements for the potable irrigation system, and green paving
<p>NS2: TREE GROWTH</p>	<p>Plant ‘shade trees’ 6-8 m (20- 27 ft.) apart along the street frontages, and should be drought tolerant and non-invasive</p> <p>Provide adequate rooting space to support tree health and growth, through the minimum soil volume of 30m³ for each new tree</p>	<ul style="list-style-type: none"> • Landscape Plan: location of all new tree plantings, and species list • Site Statistics Template: Tree Growth Section
<p>NS3: CLIMATE-RESILIENT LANDSCAPES</p>	<p>In all landscaped areas, including green roofs, plant a minimum of 50% native plants and comply with Ontario Invasive Plant Council Guidelines, including:</p> <ul style="list-style-type: none"> • Minimum of 2 native flowering species to provide continuous bloom throughout the growing season to support pollinators • Preference for drought tolerant native species <p>For vegetated buffer areas, adjacent Significant Natural Features, plant 100% native plants</p> <p>Provide a natural heritage restoration and/or enhancement plan with the proposed locations of natural heritage restoration, design specifications, and ecological function</p>	<ul style="list-style-type: none"> • Site Statistics Template: Landscape and Natural Systems Section • Landscape Plan: native plantings, plant list, and irrigation requirements completed by a Water Smart Irrigation Professional • Natural Heritage Restoration Plan and/or Enhancement Plan
<p>NS4: SUSTAINABLE ROOFS</p>	<p>Buildings with an available roof area larger than 500m² must include one or a combination of green roof, cool roof, blue roof and/or solar PV:</p> <ul style="list-style-type: none"> • Green roof and/or blue roof for at least 50% of Available Roof Space • Cool roof installed for 100% of Available Roof Space • Use a combination of a green, blue, cool roof or solar PV for at least 75% of Available Roof Space 	<ul style="list-style-type: none"> • Floor Plan, and Roof Plan: green roof, cool roof, and/or blue roof locations identified on elevations and roof plan • Landscape Plan (Green Roofs): the potable irrigation systems servicing the green roof and submit maintenance plan • Stormwater Management Report and Plan (Blue Roofs): quantifying blue roof storage and run-off • Site Statistics Template: Sustainable Roofs Section