

CAPITAL ILLUMINATION PLAN CF RIDEAU CENTRE OTTAWA, ONTARIO

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Capital Illumination Plan

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1. GENERAL

1.1 DESIGN STANDARDS

- .1 All electrical work shall comply with or exceed the minimum requirements of the applicable codes, rules and regulations of the latest:
 - Ontario Building Code
 - Ontario Electrical Safety Code
 - Local Electrical Codes and Requirements
 - CSA Standards
 - IEEE Standards
 - IES Standards
 - ASHRAE Standards
- .2 Lighting to follow local regulations and use the IESNA as the recommended light levels to target for site specific areas.

2. CAPITAL ILLUMINATION PLAN

2.1 DESIGN CRITERIA

- .1 Guidelines for character, compatibility and colour and lighting effects to be considered:
 - .1 The lighting design team will take great consideration and time in the proposal and specifications of all luminaires as they relate to the project and the surrounding area to ensure they are appropriate for the application and context.
 - .2 The exterior lighting design will make all considerations to implement lighting into the new landscape planting and have the light standard be at a pedestrian scale that are full-cut off to minimize any up light.
 - .3 The exterior lighting design concept is to integrate pedestrian scale lighting such as bollards, bench lighting and area lighting for the general site, where needed. Up lighting is only being considered for the Heritage Facade to illuminate the features. All lighting considerations shall be made and coordinated to ensure the long-range views are not impeded or devalued.
 - .4 The exterior lighting design concept is to maintain warm white (3000K) within the exterior portions of the project site.
 - .5 The exterior lighting design will use sustainable lighting technologies and controls to

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have an efficiency and efficacy for the project location. All lighting is being proposed as LED sources with appropriate optics and shielding to mitigate glare and up light.

- .2 Any façade / building mounted lighting that is not required for meeting general, safety for the site light levels will be active at sunset and have a lower intensity, or be considered to be turned off at midnight. All proposed luminaires will have the inherent ability to be controlled and scheduled through the future control system(s) through on/off control.
- .3 The exterior lighting design will encourage less systematic illumination than for the foreground, but sufficient enough to highlight the urban landscape and night-time destinations through the laying of light. The intent is to use low level bollards and vertical illumination to create a gesture of lighting and a visual connection from the exterior space and pull the user towards the interior of the building.
- .4 The exterior lighting design will avoid creating visual competition with foreground buildings, in particular by limiting the use of lighting at the top of tall buildings. The rooftop mechanical space is to be illuminated to create an aesthetic glow, our intent is not to pull focus away from the skyline of the city and control the lighting so it turns off at midnight.
- .5 Guidelines for buildings:
 - .1 The design will provide architectural lighting with the intention to highlight architectural portions of the residential building at the podium level. Considerations for the style of lighting and mounting locations will be made to ensure that the lighting is not intrusive and is integrated with the building architecture. The architectural building lighting is to compliment the heritage building strategy and work with the visual layering of lighting to create depth and hierarchy for the site.
 - .2 The 3rd floor exterior amenity area will locate lighting bollards within the landscape to illuminate the pathways and plants. There are moments with feature screens to break up spaces and lighting will be integrated to illuminate the material and define a boundary with glowing light.
 - .3 The rooftop exterior amenity area will utilize perimeter lighting to define the boundaries of the different spaces. Illuminating the central core structure will position people on the terrace and allow for additional lighting to at a lower level to maintain views out to the city.
- .6 Guidelines for the Historic Building
 - .1 The heritage lighting design will be used to emphasize these ornamental features of the

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building. Any fixtures that need to mount to the existing heritage will be mounted to a adhered to a faux matching brick to make sure there are no direct penetration/damage to the original structure.

- .2 The heritage lighting approach will position fixtures around the base within the landscape planters to up light and orientate the fixtures toward features and ornamental brick work. The smokestack will have shielded flood lights to illuminate the details of the front and back face of this structure.
- .3 The design will avoid installing light sources and related parts (wires and conduits) on character-defining elements. The lighting shall be located to illuminate the heritage elements and avoid having the light source visible. In situations where fixtures are visible the housing will be painted to match the heritage material.

END OF CAPITAL ILLUMINATION PLAN

