

Heat Pump install For Heritage Buildings

City of Saint John, Heritage

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Heritage and Energy Conservation

Heritage buildings are buildings with historical, architectural, or cultural significance. Preserving their integrity is important, and the installation of mechanical units must be done with care to avoid altering the building's aesthetic and historical value. The following manual provides guidance on installing mechanical units on heritage buildings.

Heat Pumps for Heritage Buildings

Heritage rehabilitation is the process of preserving and restoring historic buildings and structures. When it comes to energy conservation, one important aspect to consider is the use of heat pumps. Heat pumps are a highly efficient technology that can reduce energy consumption and lower carbon emissions. However, when it comes to heritage rehabilitation, it is important to strike a balance between energy efficiency and preserving the historical integrity of the building.

In order to achieve this balance, it is important to work with experts in the field of heritage rehabilitation who understand the unique challenges associated with retrofitting historic buildings with modern energy-efficient systems. This may involve finding innovative ways to integrate heat pumps into existing structures while minimizing the impact on the building's historic features. With careful planning and execution, it is possible to successfully integrate energy-efficient technology like heat pumps into heritage rehabilitation projects while preserving the historic character of these important structures.



HERITAGE PERMIT

**BEFORE YOU START ANY WORK,
YOU SHOULD CONTACT THE
HERITAGE OFFICER TO
DETERMINE IF YOUR PROJECT
REQUIRES A HERITAGE PERMIT**

HERITAGE OFFICER

Phone: 506-658-2838

Email: Heritage@saintjohn.ca

Address: 15 Market Square,
Saint John



Route 1 **Install mechanical unit** **on a non-visible** **elevation**

If the mechanical unit can be installed on a non-visible elevation, it is the preferred route as it avoids any impact on the building's visual appearance. However, it is still important to ensure that the installation is done correctly and does not damage the building in any way.

Please reach out to the Heritage Officer for location confirmation prior to commencing any work.

(NO HERITAGE PERMIT REQUIRED)



Route 2 **Install mechanical unit** **on a visible elevation** **and paint the unit to** **match the elevation**

If the mechanical unit must be installed on a visible elevation, the unit can be painted to match the building's colour to minimize its visual impact. This route may require permits, depending on local regulations and the building's status.

Steps

1. Identify the location where the mechanical unit is to be installed.
2. Confirm with manufacturer for details regarding the painting of the outdoor unit.
3. Choose a paint colour that matches the palette of the building's exterior.
4. Apply for a heritage permit.
5. Install the painted mechanical unit according to the manufacturer's instructions.
6. Request a final inspection from the Heritage Officer.



Route 3 **Install mechanical unit** **on a visible elevation** **and install cover screen**

If the mechanical unit must be installed on a visible elevation, a cover screen can be installed to conceal it from view. This route may require permits, depending on local regulations and the building's status.

Steps

1. Identify the location where the mechanical unit is to be installed.
2. Confirm with the manufacturer for details regarding spacing for the outdoor unit.
3. Choose a cover screen colour that matches the building's exterior.
4. Apply for a heritage permit.
5. Install the mechanical unit according to the manufacturer's instructions.
6. Install the cover screen over the unit.
7. Request a final inspection from the Heritage Officer.

The proper installation of mechanical units are essential to preserving the integrity of heritage buildings. It is important to follow the appropriate route and obtain the necessary permits to ensure that the installation is done correctly and does not damage the building. By following the steps outlined in this manual, you can help to protect the heritage building while also installing the necessary mechanical units.