



# Les Terrasses de la Chaudière

*An innovative façade replacement design for one of the federal government's largest workplaces*

The Les Terrasses de la Chaudière (LTDLC) complex was originally built in 1978 and is one of the federal government's largest workplaces. In partnership with Provencher Roy and supported by the project engineers, NORR developed a very innovative and sustainable solution for recladding the office complex.

The design utilizes a prefabricated modular system incorporating cross-laminated timber (CLT) panels as the key structural element to support the high-performance building envelope composed of unitized curtainwall and aluminum cladding. The use of CLT, a highly sustainable product, speaks to the area's history as a lumber-town, and will be fully exposed to the building's interior where occupants can enjoy the natural beauty of the exposed wood surfaces. The CLT will also be partially visible from the exterior as it overlaps the glazing at the edge of each opening, creating a visual depth to the façade. Optically, clear glass featuring UV-based bird strike mitigation measures will allow pedestrians to see the rich materiality of the original brick-clad interior surfaces.

In addition to collaborating with the design team to evaluate various façade options, the mechanical and electrical engineering team was responsible for surveying existing conditions and identifying all systems that would be affected by the envelope replacement. To the extent possible, HVAC components, BAS controls, fire alarm, communications and lighting elements were to be carefully removed and preserved for reuse once the façade installation is completed. All building systems on the roofs were to be removed and replaced where required to accommodate the architectural remodeling of the spaces.

The project has reached a major milestone, receiving design approval from the National Capital Commission, following presentations to the Advisory Committee on Planning, Design and Realty (ACPDR), which features industry leaders in architecture, planning and design. Recently appointed construction manager PCL is assisting the project team with pre-construction services.

<b>CLIENT</b>	Public Services and Procurement Canada (PSPC)
<b>PORTFOLIO</b>	Public Buildings
<b>SIZE</b>	163,386 SF (15,179 SM)
<b>LOCATION</b>	Gatineau, QC, Canada
<b>DATE</b>	2020
<b>SERVICES</b>	Architecture MEP Engineering Structural Engineering

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# Public Buildings

Public sector decision-makers look to NORR's experienced team to help navigate the full project cycle from planning to design to execution. Our extensive work in public buildings ranges from government campuses and embassies to cultural buildings and museums.

## Valued Partner at All Levels of Government

NORR is a valued partner at all levels of government - federal, state, provincial, county and municipal. Our proven track record in large-scale, heritage conservation, adaptive reuse and renovation projects spans more than forty years. We uphold internal governance practices, employ proven program and project management methodologies and use value-based design from concept to implementation. We have worked on highly secure projects involving confidential documentation and when required, have engaged advisory boards or peer reviews. Every project has a specific strategy based on requirements and vision.

## Managing Complexity

Public building design is a Center of Excellence at NORR. Our designated team of architects, engineers, planners and designers have deep knowledge in managing the complexity of purpose-driven design. From current circulation and constraints of an existing spatial environment, to detailed project phasing and staging, to the design of new structures and implementing workplace strategies, our programs will provide the right solution. Our role is to engage our clients and stakeholders to realize the project vision. The result: a design that makes a positive social impact on the communities served.

## CONTACT

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