- **A simple analysis of critical components or systems should also be included, based on your current knowledge of engineering science or other knowledge.**

While stationed on the reserve, the building would receive its power from the local electrical grid. Additionally, solar power would be used to accommodate the more power intensive units like the freezer and heating in the winter.

For water supply, the building would rely on well water until the Pikwakanagan First Nation water treatment plant is completed (it is expected to be finished in the summer of 2024).

Accessibility will be simplified as the building is a single story, ramps for wheelchair access will be installed at the main entrance.

Plumbing services will come in the form of an underground septic tank which will be emptied regularly.

Sustainable features will be added to the building to reduce its ecological footprint. Solar panels, natural heating, good insulation, and rainwater harvesting will be added.

An HVAC system will need to be installed to accommodate colder climates in the winter.