ABOUT THE PROJECT

Location: Gahcho Kue, NWT
Size: N/A
Modules: Phase 1 – 112 modules and Phase 2 – 24 modules
Timeline: Phase 1 - Manufacturing start Q4, 2013; Install late Q2, 2014; Substantial Completion by end of Q3, 2014
Phase 2 - Manufacturing start Q4, 2014; Install Q4, 2015; Substantial Completion by end of Q4, 2015

OVERVIEW

The Gahcho Kue project was a complete turnkey operation where Horizon North completed the design, engineering, manufacturing, supply, installation and commissioning. The Gahcho Kue diamond mine was located approximately 280 km northeast of Yellowknife, NWT. With all completed modules and materials having to travel via a two day trip over the ice roads to the mine site, logistical delivery coordination was critical. Installation was completed in two phases: Phase 1 of the project was a 504 person camp which included seven, single storey dormitories, kitchen facilities, dining room, arrival / departure complex with medical and luggage area, office / lunchroom / mudroom complex, administration offices and an ambulance building. It also had an IT building, electrical / mechanical distribution building, two recreation facilities, a workshop, commercial laundry building and a water treatment plant on a blocking foundation. Utilidors walkways (corridors) were used to tie all these buildings together and carried custom pre-installed racking to run all services.

Phase 2 of the project included the delivery and installation of the additional Utilidors as well as the Process and Controls Building (PCC). The Corridors also connected the camp to other mine buildings such as the truck shop, process plant, boiler house, environmental lab and power plant. The PCC building was the entrance to and from the process plant for the diamonds and had very high security requirements, included numerous security devices, controls and secure channeling for cabling.