



# Paving the Way

Argue Construction • Carp, Ontario



For over 30 years, West Carleton Sand & Gravel Inc., the owners of Karson Kartage, have been located in Carp, Ontario. With a lack of space in their current equipment maintenance facility and ongoing growth in the area, the owner decided the best option was to relocate the operation to one of their main rock quarries near Stittsville, Ontario.

The owner contacted Argue Construction and subsequently took a tour of a building that Argue constructed approximately five years earlier. Both parties agreed that the design was suitable for the new Karson Kartage facility with some modifications including a 40-foot wide bay located at one end of the building with a 10-ton overhead crane that would run transversely across the building. Argue Construction planned to use Long Bay joists to accommodate the heavy snow load but Robertson Engineering was able to design 12-inch deep purlins, resulting in significant cost savings.

The engineered steel building covers 28,500 square feet with an additional 2,000 square feet of office area constructed of conventional structural steel. The larger building is comprised of two main sections. Designed to service dump trucks and highway tractors, the “lower” section is 100 feet by 150 feet and features five overhead doors. This section has a 30-foot self-contained

wash bay and can accommodate a 20-foot hook height for one of the building’s three top-running cranes. The other two cranes are located in the “higher” section of the facility which measures 100 feet by 135 feet and has four overhead doors. This section is designed to service heavy equipment such as shovels, bulldozers and rock crushers. It features a self-contained welding shop and accommodates a 25-foot hook height for the two cranes. The full-height division walls between the two sections are constructed of light structural framing and Dura-Rib painted liner.

The building features SSR roof panels in Galvalume Plus, A-36 wall panels in Ash Gray and trim in Burnished Slate. Robertson also provided structural capacity to allow for the attachment of 7-foot high pre-cast panels that wrap around the entire building. Heating for the facility consists of an intricate system of in-floor radiant heat water lines that run throughout the entire building and are fed by two large boilers that sit atop a mezzanine.

This is the first project that Argue Construction has built for West Carleton Sand & Gravel Inc.

Argue Construction, formerly Baird Construction, has been an Authorized Robertson Builder since 1988.

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