Brock Commons - Virtual Design and Construction

Brock Commons is an 18-storey Mass Timber Hybrid Project. Currently the tallest Mass Timber residence in the world standing at 53 meters tall. The project is a student residence located at the University of British Columbia featuring 305 suites as well as common area living spaces on Levels 1 and 18. Once complete, the 404-bed residence will feature kitchens in each of the suites. This project is on track to receive LEED v4 Gold.

Karla was the conductor of a very large orchestra that went beyond just the Mass Timber construction system. This project had the opportunity to build the entire building twice; first in a virtual 3D model and then in real time on site. She will outline the construction critical path and how they were able to have every aspect of the project modelled before work started on the site. From the concrete cores to the steel/wood composite panels to the pre-cutting of the plumbing elements off-site, she will highlight the many processes used in this amazing project.

This planning helped the project realize a 3 day per floor installation during the Mass Timber phase of the project.

Karla brings over 25 years of experience to a project, with a number of her clients being from remote areas.

She has a large spectrum of projects including road building, multi storey renovations, industrial buildings, commercial buildings, hospitals, airports and residential towers.

She is a Sr. Project Manager for Urban One Builders.

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