

MENNO HALL

Vancouver, BC | Design Phase

Role of the firm: Structural Engineer of Record

Area: 118,502 sq. ft. (11,009 sq. m)

Budget: CAD \$60 million

Architect: Shape Architecture

Client: MCC Legacy Trust + Pacific

Centre for Discipleship (PCDA)

Located on the grounds between the University of British Columbia's (UBC's) Point Grey Campus and the University Endowment Lands (UEL), Menno Hall will be a 4 to 6 storey, 11,000 square metre integrated development designed to foster community living within an academic setting.

This innovative and sustainably built project consists of 86 rental housing residences, 101 student housing units, institutional and academic spaces, common areas, a large multi-functional meeting facility, a dedicated concert and meeting hall, a chapel, and stunning outdoor courtyards. The inclusion of mass timber in the structural design will reduce greenhouse gas emissions while simultaneously creating an architecturally stunning and harmonious addition to the surrounding community.

The building is comprised of three stories (including two underground parking levels) of conventional two-way flat plate cast-in-place concrete construction topped by a cast-in-place transfer slab at Level 2. The transfer slab supports 4-6 stories of hybrid mass timber and light wood framed construction. The CLT floor and roof panels are supported on wood framed shear walls, allowing for greater unobstructed spans and larger exposed CLT ceiling areas. The system is well suited for the mix of residential dwelling units and common spaces.

