

SEISMIC UPGRADE

The Holy Trinity Cathedral will undergo a seismic upgrade as part of the overall development. Rather than the traditional approach of thickening the existing masonry walls - which would change the interior look and function of the heritage cathedral - the heritage consultant team developed a less invasive approach:

- Dismantling the exterior brick buttresses and replacing them with steel;
- Connecting the steel buttresses to a new steel diaphragm in the existing attic space;
- Using the bell tower as an anchor, bracing it with steel on the interior;
- A proposed foundation upgrade to secure the entire building.

This approach greatly reduces the impact to the heritage finishes inside the building while improving the life safety for the occupants of the building.

