

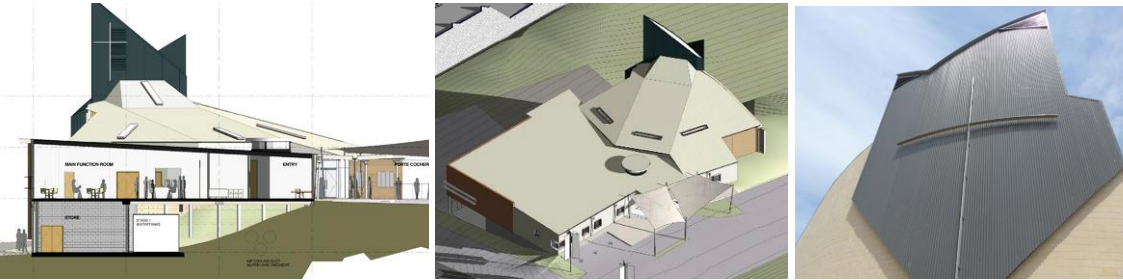
NEW CHURCH COMPLEX CONCEPT TO COMPLETION Mooroolbark Salvation Army Corps

This new church, function and welfare centre will provide a permanent home for the Mooroolbark Salvation Army community:

- 250 seat multi-purpose worship auditorium
- Cafe & deck / foyer / overflow
- 120 seat function room and commercial kitchen
- Interview rooms & offices
- Creche
- Youth Centre
- Welfare store & bus garage

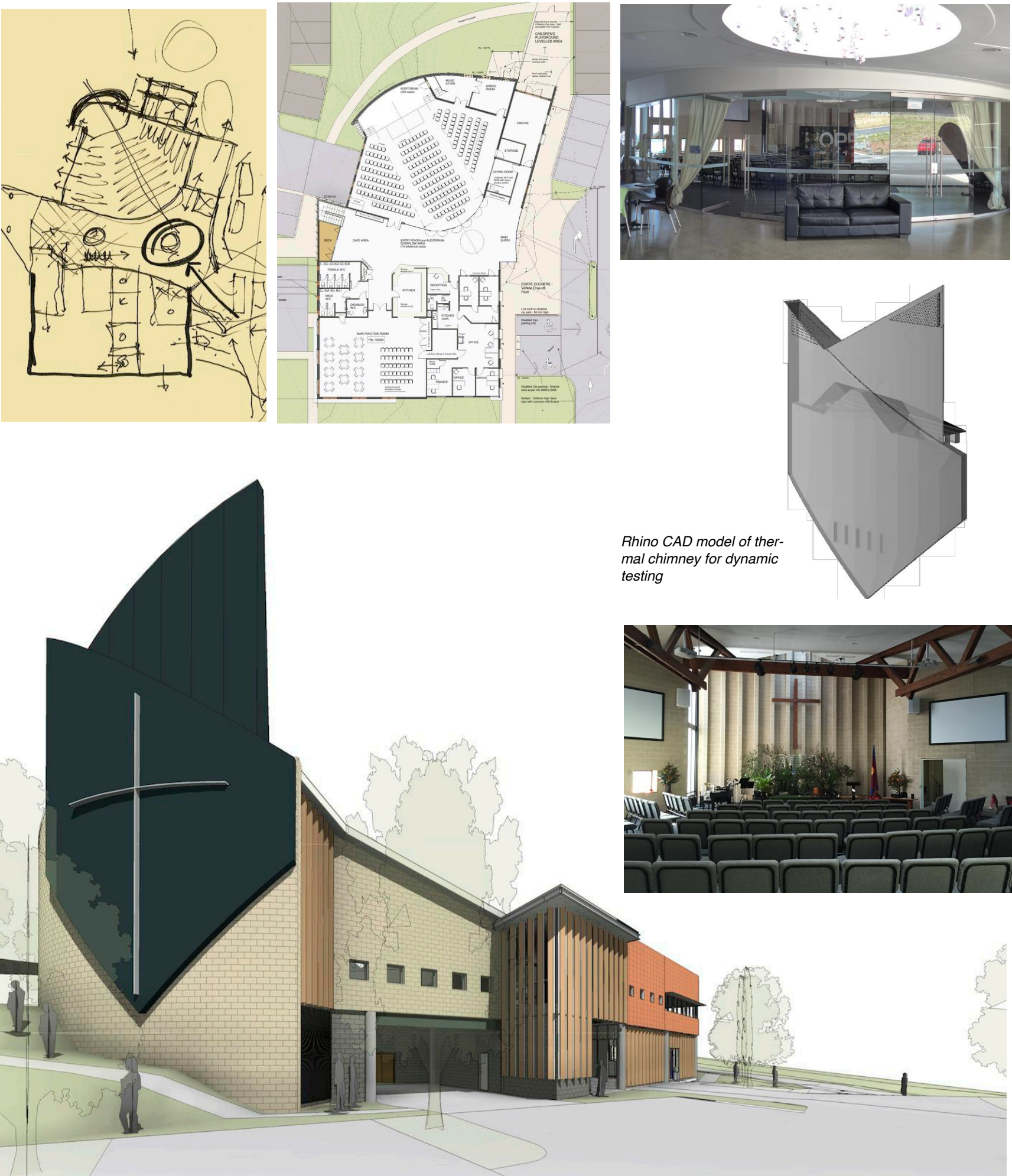
Design challenges and solutions include:

- 1 in 6 sloping site with grade entry to both floors
- Labyrinth cooling utilising subfloor void and stormwater tanks
- Thermal chimney to ventilate / cool auditorium was specially modelled for simulated air flow testing by specialist
- Controlled natural light to auditorium
- Multi-use spaces to get best value from floor space constructed
- Passive solar control and activated thermal mass
- Part of site left for future residential development



project datasheet

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Rhino CAD model of thermal chimney for dynamic testing