

LIAM HENDERSON

Mechanical Engineer — HVAC & Building Services

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PROFILE

Mechanical engineer with 3.5 years in HVAC and building services design for commercial and healthcare projects. Skilled in load calculations, Revit MEP, NZBC G4/H1 energy compliance and Green Star initiatives.

CORE COMPETENCIES

Design: Revit MEP, IES VE, Trace 700, HVAC load calcs, Ductwork & pipe sizing

Compliance: NZBC G4 / H1, NZS 4303, AS/NZS 1668, Green Star

Project: Site inspections, Commissioning reviews, Client liaison

PROFESSIONAL EXPERIENCE

Mechanical Engineer

Jun 2023 – Present

WSP, Auckland

- Designed HVAC systems for a \$60M hospital wing including negative-pressure rooms.
- Delivered NZBC H1 energy modelling that achieved 5 Green Star points.
- Coordinated with architects and electrical engineers in Revit; reduced clashes 40%.
- Commissioned and witnessed 12 air handling units to specification.

Graduate Mechanical Engineer

Feb 2022 – May 2023

Beca, Auckland

- Produced ventilation designs for 10 commercial fit-outs.
- Completed fire and smoke-control calcs to AS 1668.

EDUCATION

BE (Hons) Mechanical Engineering

University of Auckland, 2021

CERTIFICATIONS & REGISTRATION

- Engineering NZ Graduate Member
- First Aid Certificate
- Site Safe Passport

Right to work: NZ citizen — full work rights, no sponsorship required · **Languages:** English; Mandarin (conversational) · References available on request