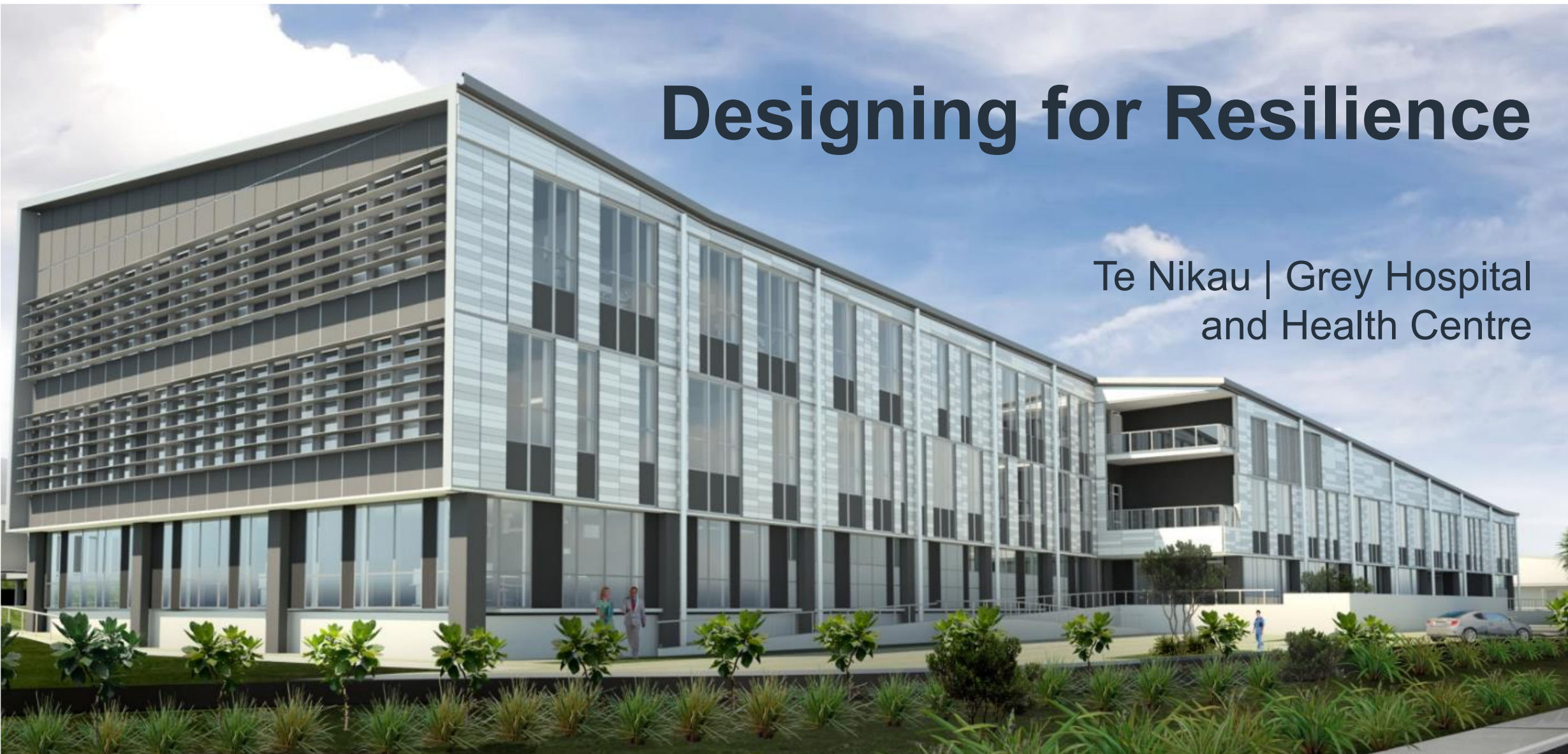


# Designing for Resilience

Te Nikau | Grey Hospital  
and Health Centre







CCM ARCHITECTS

JACOBS



OPUS

New Zealand Government





West Coast  
- District Health Board -  
*Te Pouti Hauora o Rau o Tai Poutini*

CCM ARCHITECTS

JACOBS



OPUS

New Zealand Government



Tsunami



Earthquake



Heavy  
Rainfall



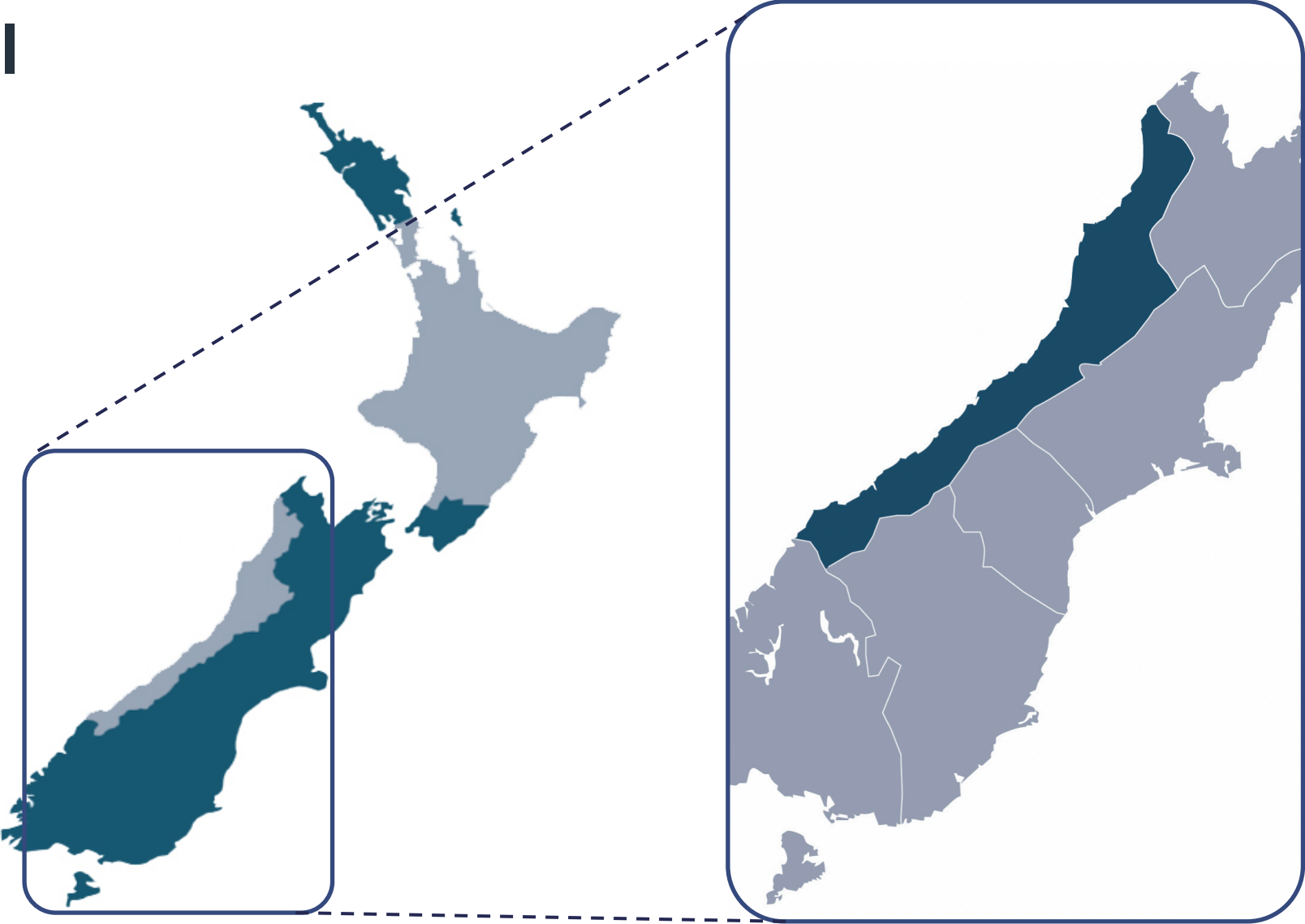
Cyclones



Tornadoes



# We're rural



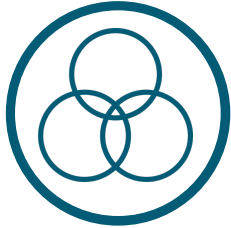


# An integrated health system





# Model of care development



Integrated services



Patient at centre of care



Care closer to home



ICT enabled



Financially and clinically sustainable



Strengthened responsiveness to Maori Health



Fit for purpose facilities



Prioritising resources



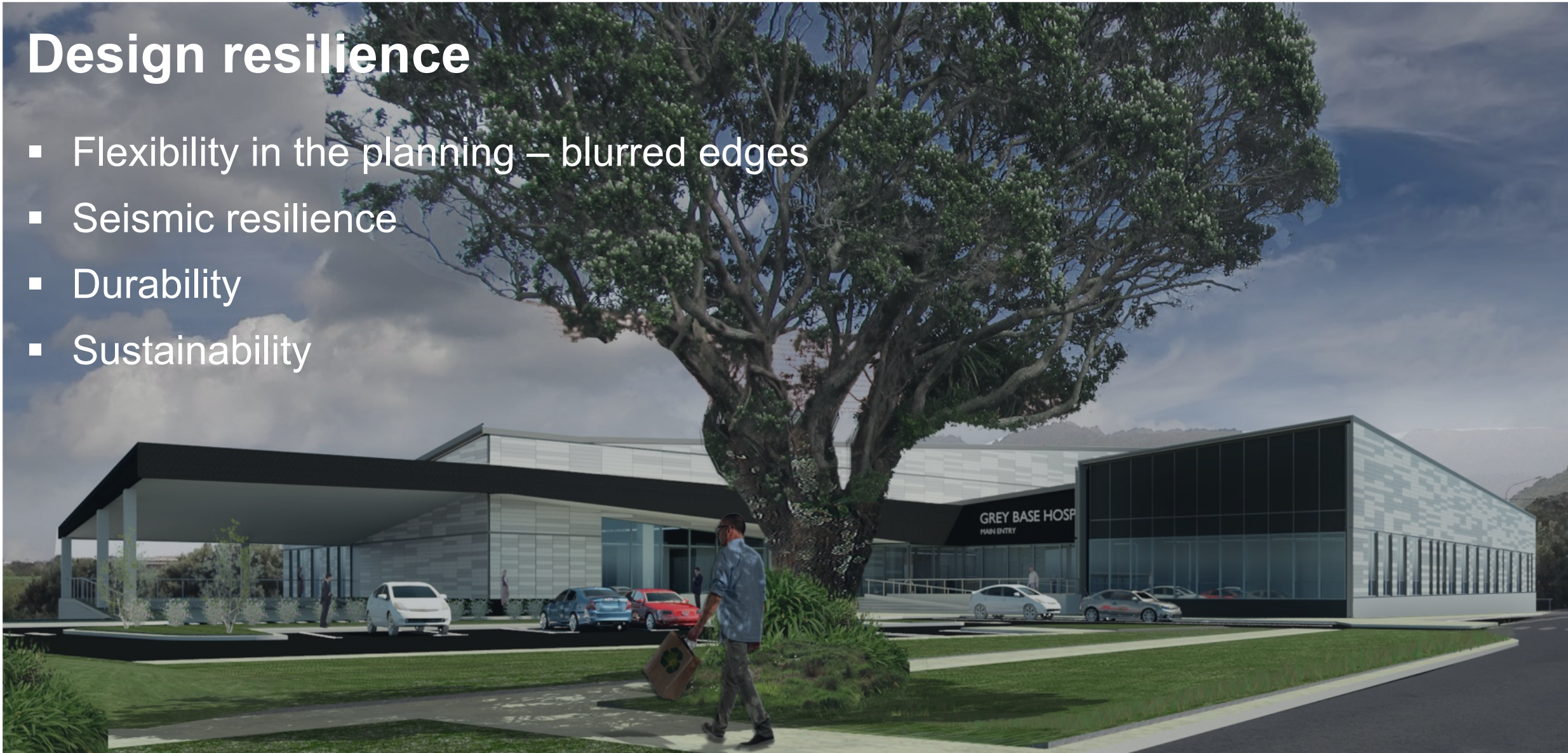
# Existing facility





# Design resilience

- Flexibility in the planning – blurred edges
- Seismic resilience
- Durability
- Sustainability

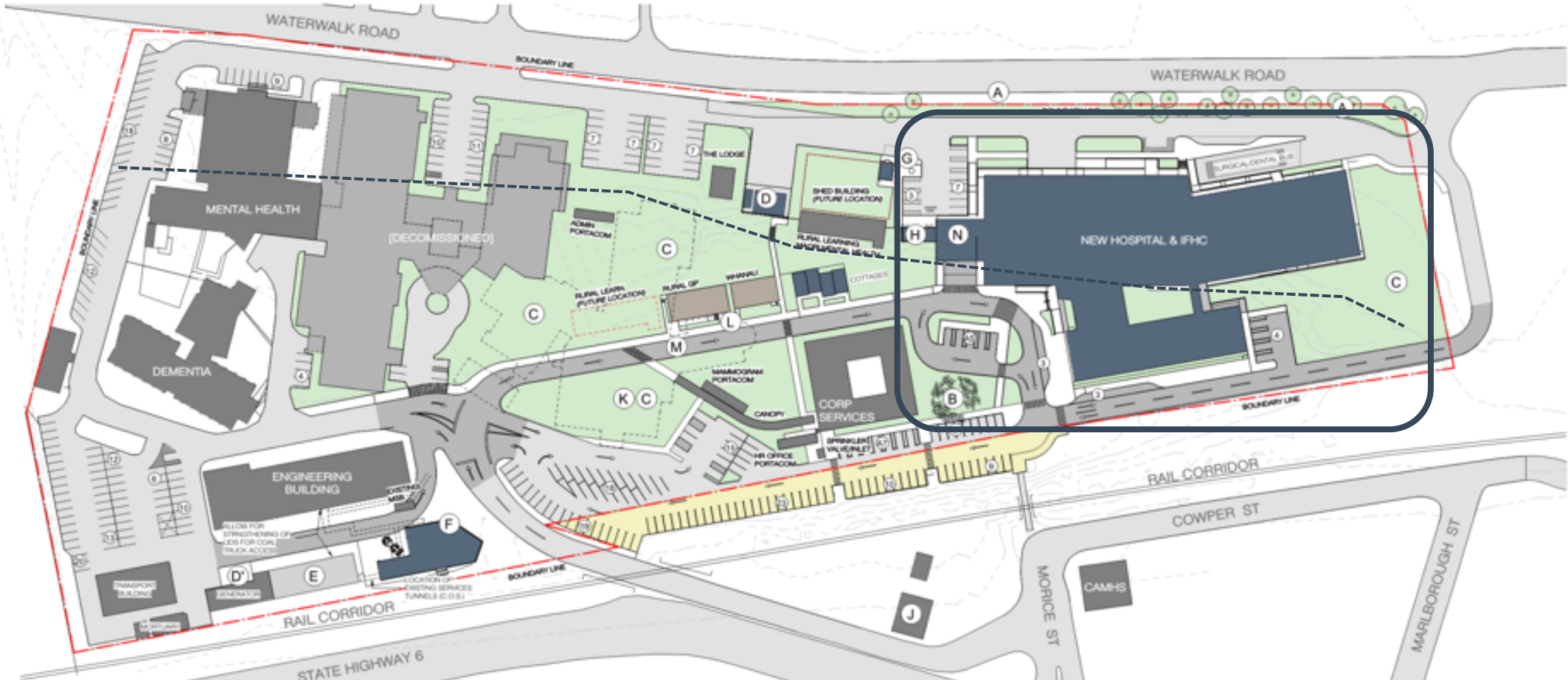






# Flexibility in the planning- blurred edges

# Site plan



CCM ARCHITECTS

JACOBS

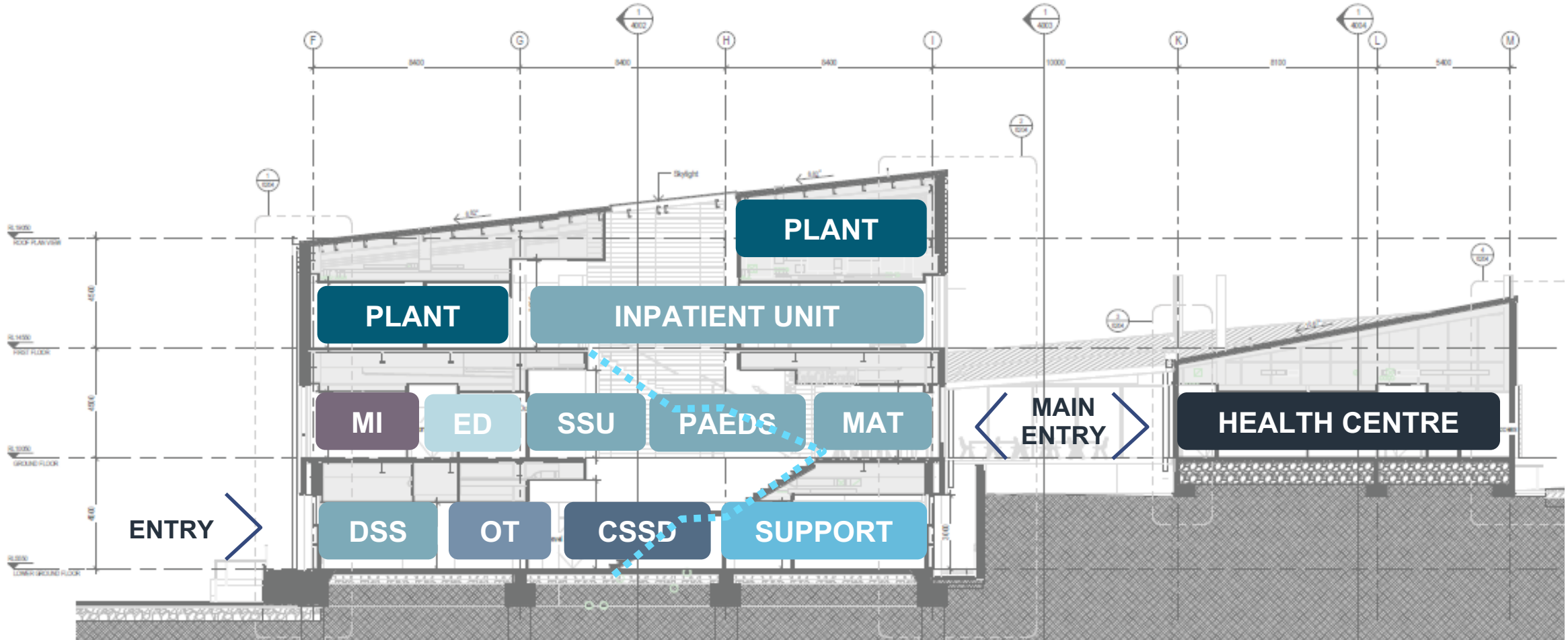


OPUS

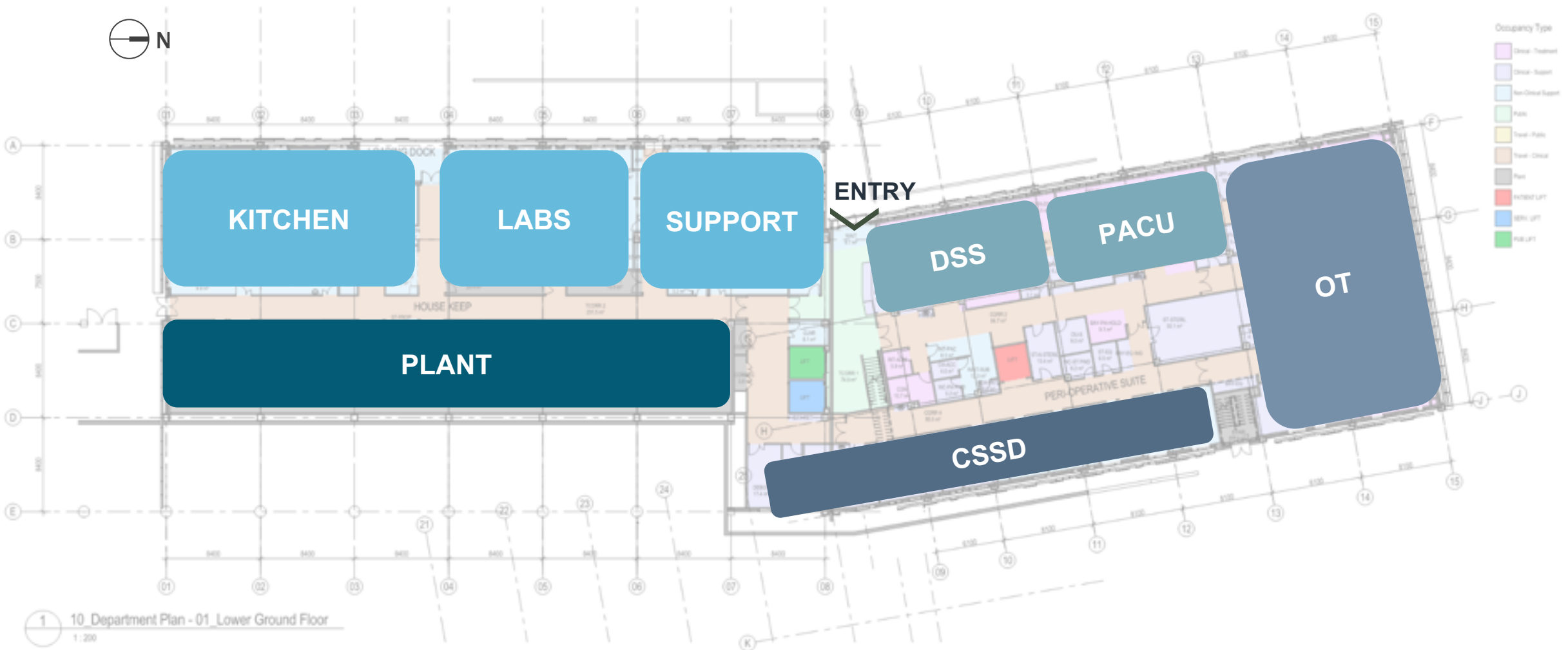
New Zealand Government



# Cross section

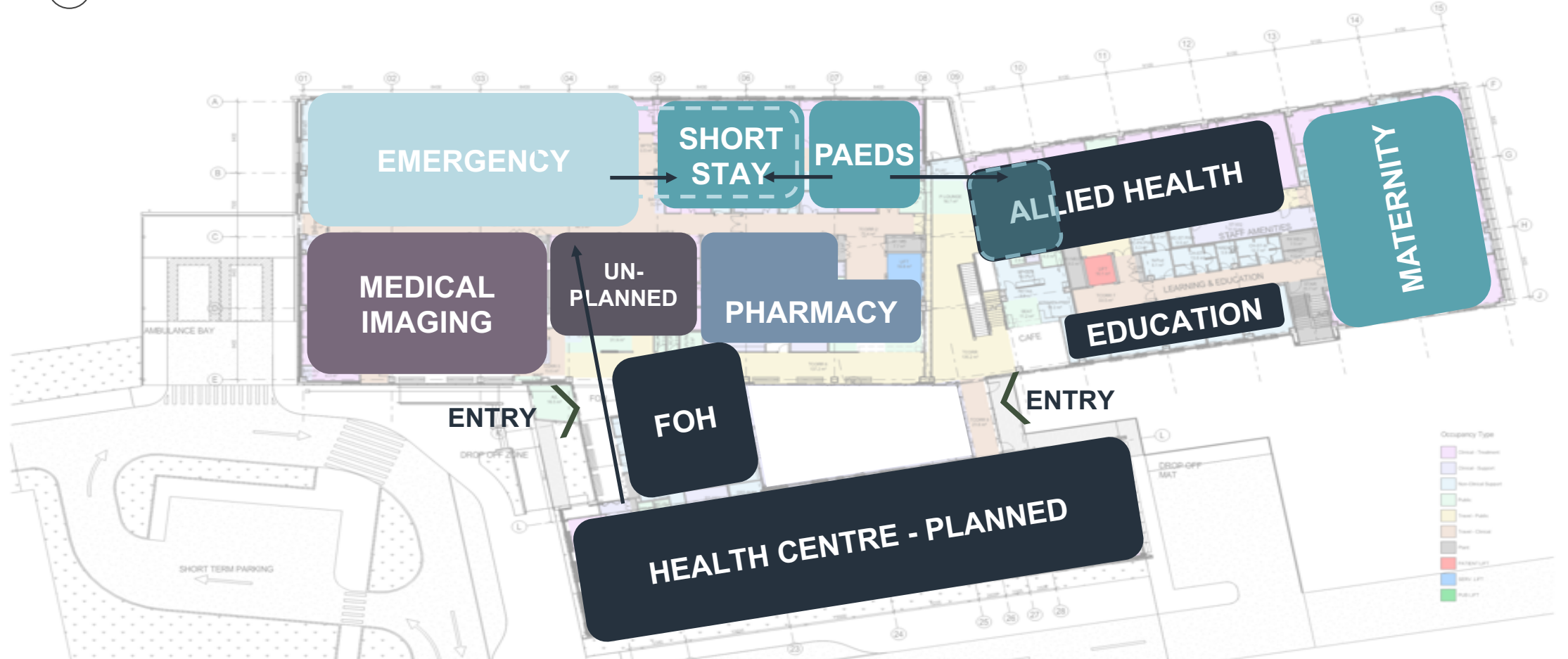


# Lower ground floor departments

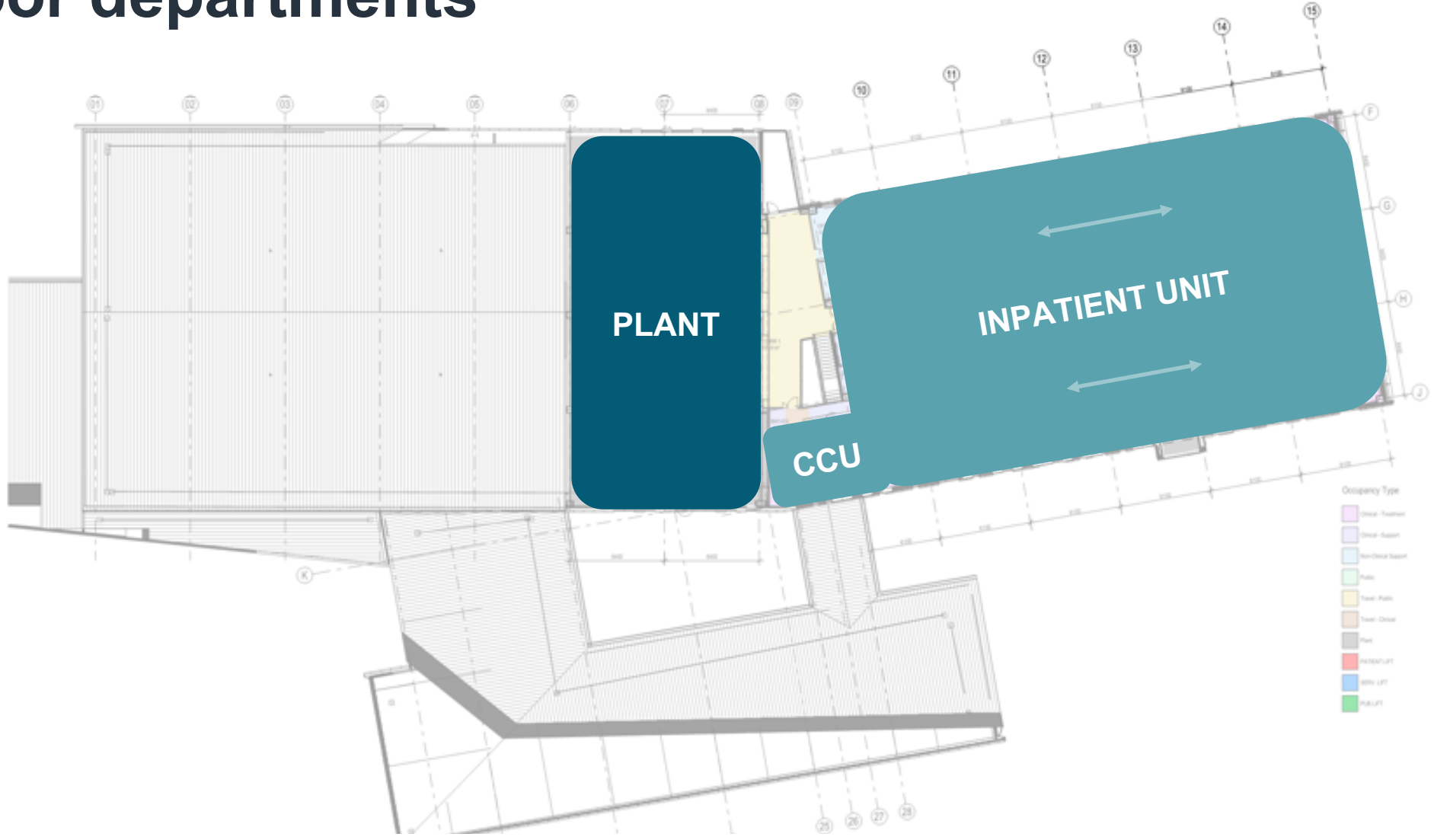




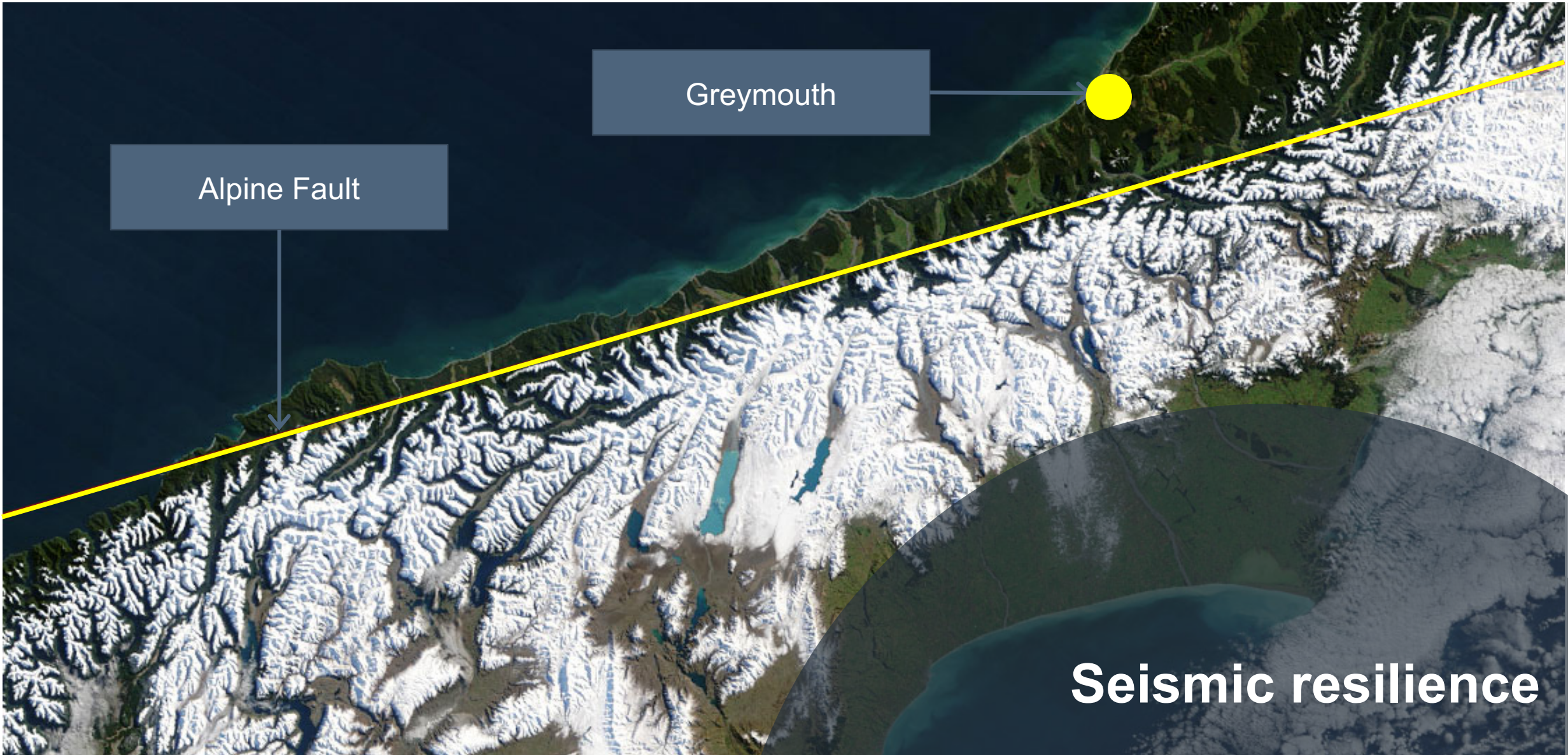
# Ground floor departments



# First floor departments







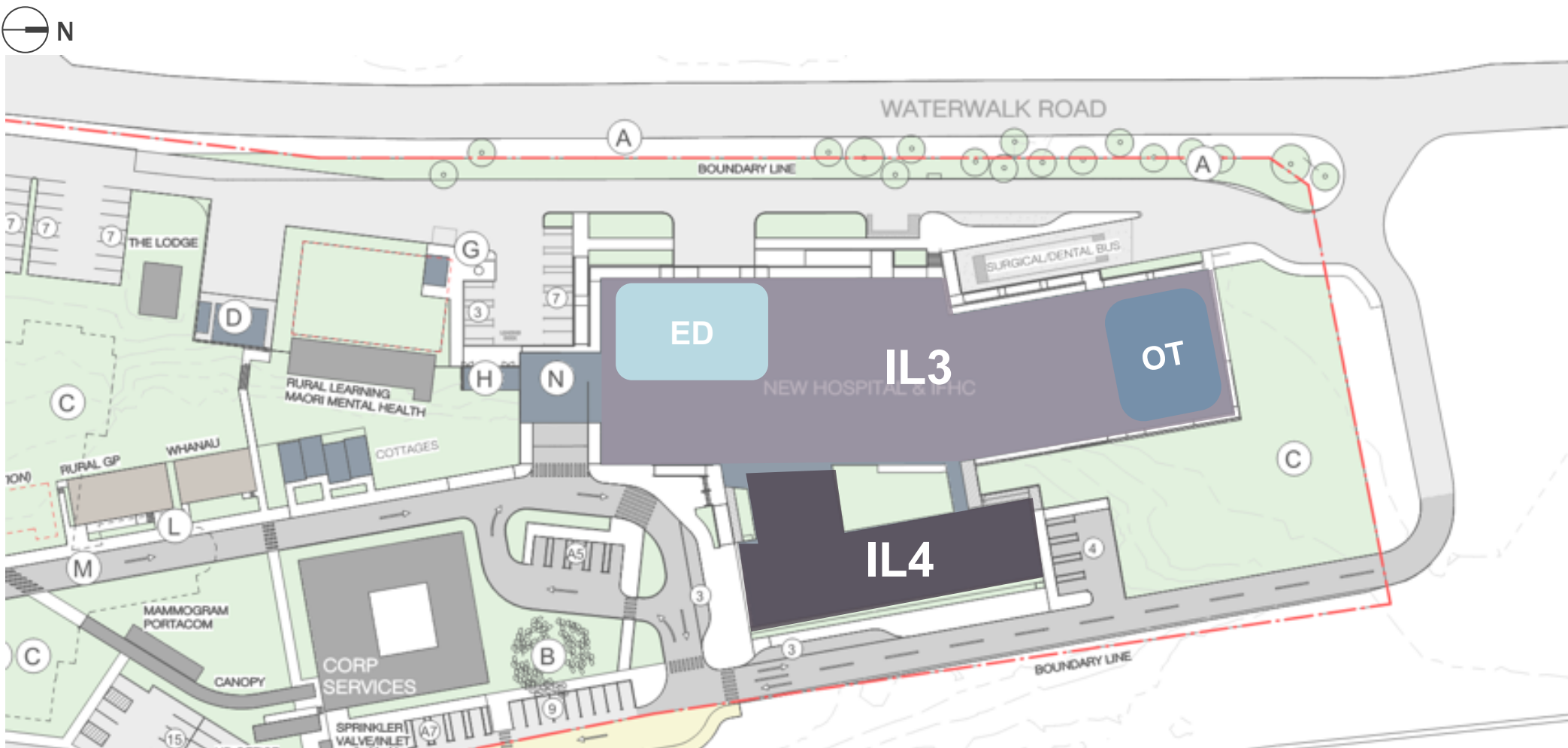
Greymouth

Alpine Fault

# Seismic resilience



# Seismic resilience - Greymouth response







**Durability**



West Coast  
District Health Board  
*Tū Peeri Hāora a Rōhe o Tai Poutini*

CCM ARCHITECTS

JACOBS



OPUS

New Zealand Government





**Sustainability**



**CCM ARCHITECTS**

**JACOBS**



**OPUS**

**New Zealand Government**





CCM ARCHITECTS

JACOBS



OPUS

New Zealand Government





# Resilient infrastructure





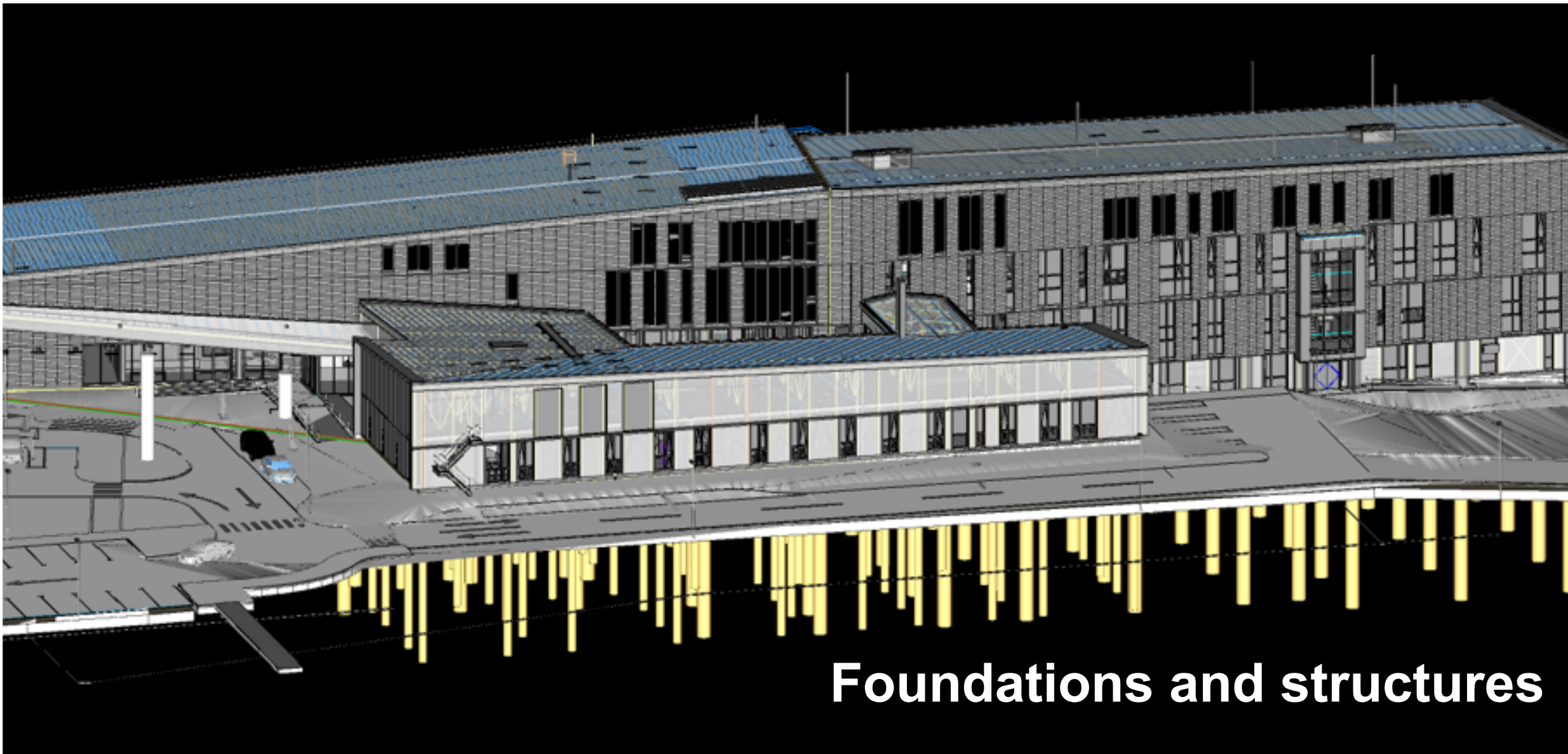
# Post disaster functionality





## Post disaster functionality





# Foundations and structures



CCM ARCHITECTS

JACOBS



OPUS

New Zealand Government





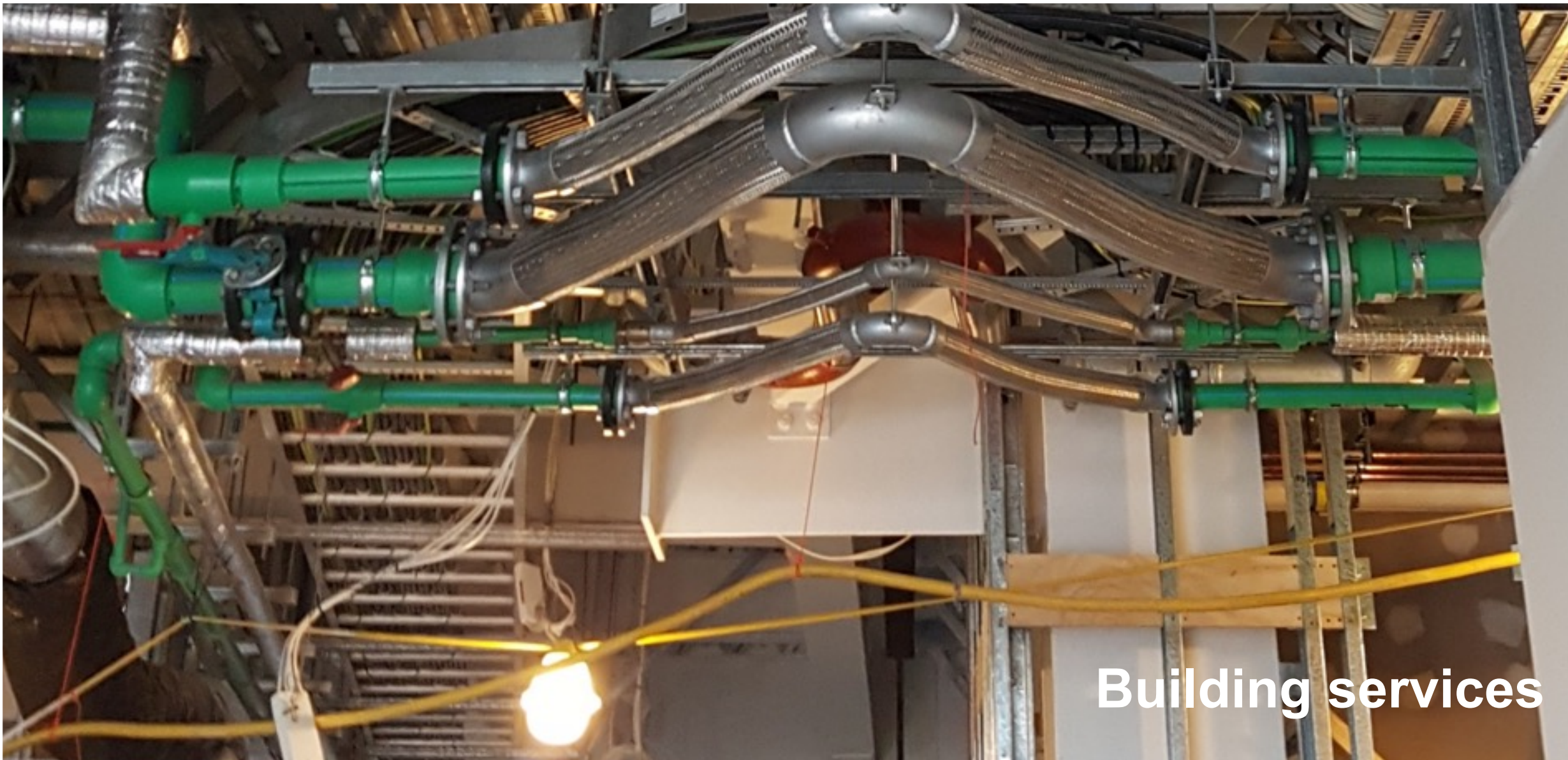
# Foundations and structures





# Foundations and structures





# Building services



West Coast  
District Health Board  
*Te Peeri Hāora o Reko o Tai Poutini*

CCM ARCHITECTS

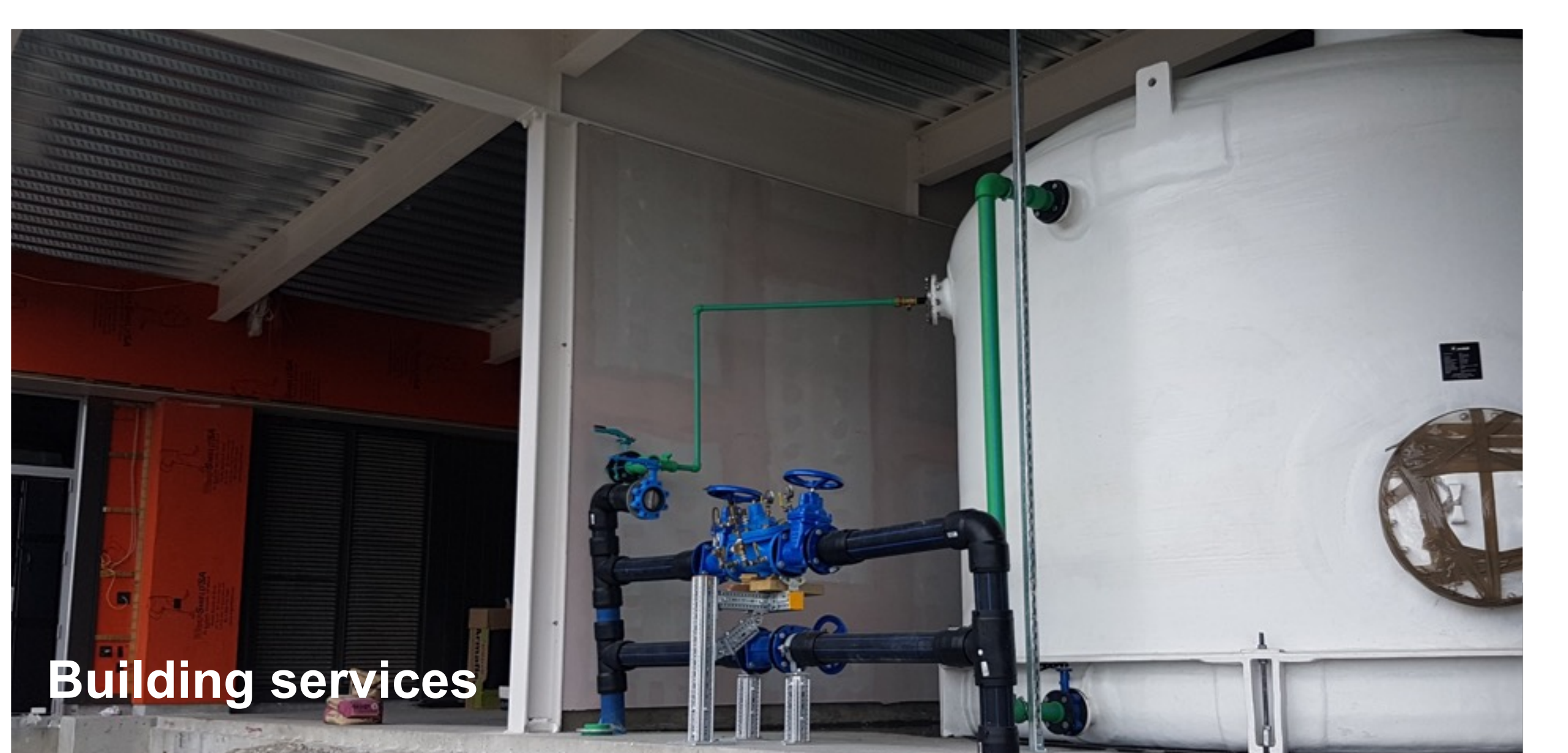
JACOBS



OPUS

New Zealand Government





# Building services



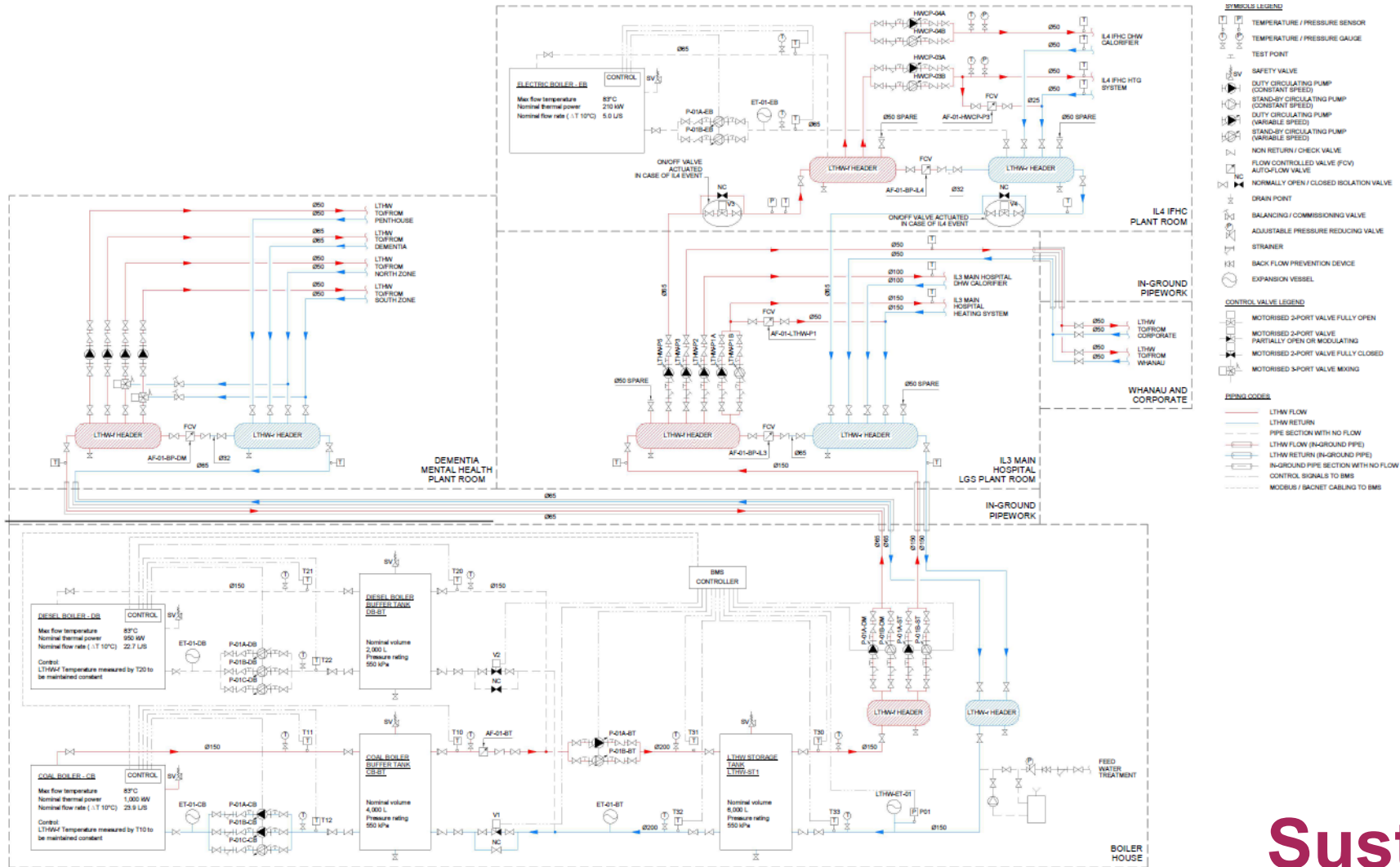
CCM ARCHITECTS

JACOBS

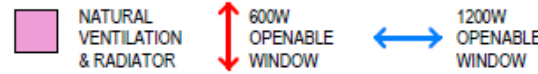


OPUS

New Zealand Government



# Sustainability





# Kia Ora



West Coast  
District Health Board  
*Te Peeri Hanera a Roke o Tai Poutini*

CCM ARCHITECTS

JACOBS



OPUS

New Zealand Government



# Designing for Resilience

Te Nikau | Grey Hospital  
and Health Centre

