Design Process

Design Process – Phases
Project Maungatapu Base Hospital Redevelopment
Aerial Photo – Building Site
Site Plan – Taranaki Base Hospital
Project Maunga Objectives 3

- **Modernise inpatient facilities**
  - Improved infection control
    - 1-bed rooms increase from 15% to 47%
    - PPE bays
    - Hand washing facilities
    - Negative pressure isolation rooms - from 1 to 5
  - Improved patient privacy, dignity and comfort
    - Ensuites increase from 10% to 100%
    - No 6 bed rooms - 4 bed maximum
    - Potential for patient TV
    - Comfortable temperature in ward
    - Large windows, low sill, great outlook
    - Private travel to theatres and from ED
1 Bed Room
Four Bedroom
Project Maunga Objectives 4

- Improved patient safety
  - Better bathroom design
  - Bariatric rooms - 11 in total
  - Secure access control

- Improved facilities for disabled and rehabilitation
  - Disabled friendly toilets and showers
  - Bifold, double action door
  - Gym and ward co-located
  - New rehabilitation garden
  - Purpose built ADL facilities
Project Maunga Objectives 5

- Modern IT Environment
  - Improved access to clinical information – lab and x-ray
  - Improved communication between health care workers, service providers and patients
  - Electronic medication prescribing and recording
  - Wireless and cabled network
  - Nurse Call system - monitoring
  - Video conference capacity
  - “Digital Theatre” – display of video images within the theatre

- Improve Staff Satisfaction
  - User consultation in design and mock up
  - Reduce staff back injury - patient lifting track
Project Maunga Objectives 6

- Future Proof
  - Shell for angiography / theatre
  - Future plant space
  - Bed & theatre capacity
  - Basement space
  - Future stages enabled by Site Master Plan
  - RFID tracking
Project Maunga – Scope 1

- Acute Services Building (working title)
- 4 patient occupied floors
- Each clinical floor linked to existing buildings
- Plant-rooms in basement and roof
- 11,000 m2 area
- 6 Operating Theatres
- 2 Procedure Rooms
- 172 Inpatient Beds
- 1 shell angiography room
Project Maunga – Scope 2

- Basement
  - Plant and Waste Management

- Level 1
  - Operating Theatres - x6
  - Endoscopy and Procedure Rooms - x2
  - Sterile Services
  - Day Stay Suite
  - New Entry, Café and Atrium & mobility garden
Project Maunga – Scope 3

- **Level 2**
  - Older Person and Rehab Inpatient Unit (IPU) - 30 bed
  - Allied Health / Rehab facilities and Gymnasium
  - Paediatric Inpatient Unit - 20 bed

- **Level 3**
  - Surgical Inpatient Unit - 30 bed
  - Orthopaedic Inpatient Unit - 30 bed

- **Level 4**
  - Medical Inpatient Unit - x2 30 bed wards
Perspective 1
Perspective 2
Perspective 3
Link & Lobby