



Colville Well-Being Centre

Concept Design Options Report

Prepared for Colville Project

Prepared by Beca Ltd

July 2019 | Revision A

Understanding the past

Historic Overview



Cape Colville from air by Whites Aviation, March 4 1959



Granite Quarry at Waitoitoi from air by Whites Aviation, March 4 1959



Coromandel Bush Camps



Geological Survey, 1907



Kauri Milling ending in Colville in 1898



FRASER'S SAWMILL, TIKI, COROMANDEL, AUCKLAND.
The old mill is a well-known landmark of the Tiki, and has just been closed down after working for upwards of 40 years. Photos. by A. Richards.

Fraser's sawmill, Tiki, Coromandel



Kauri Clearing

Colville Today

Overview



Whitestar shearing shed



Whale stranding - December 28 2009



Colville Connection



Frequent road closures due to weather



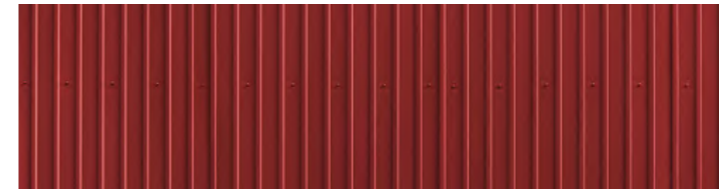
Colville General Store



Colville Memorial Hall

Landscapes and Materiality

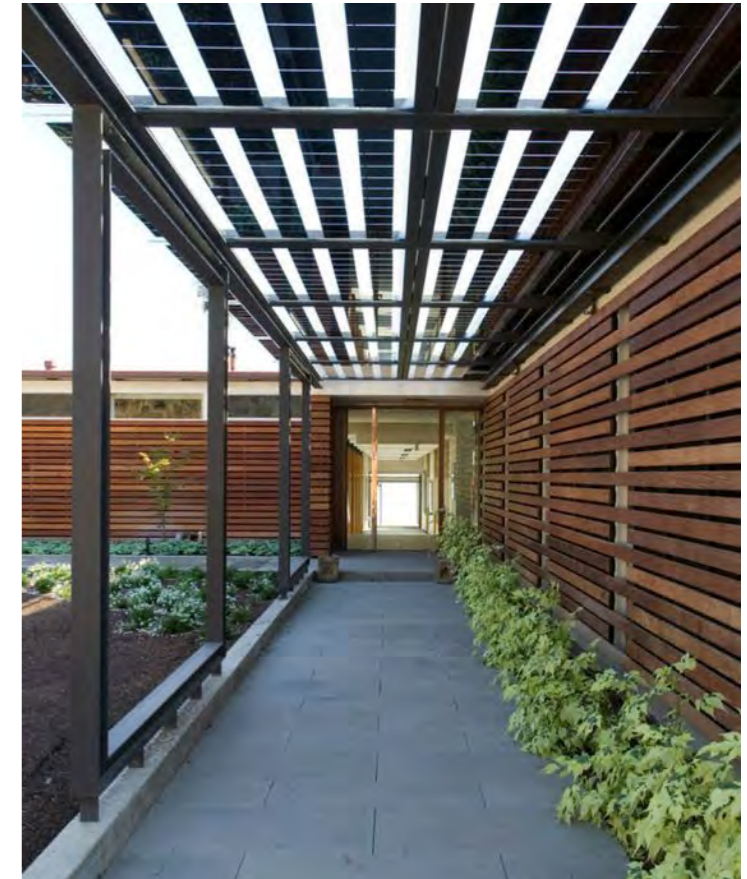
Context



Aspirations

Mood Board - Form and Materials

- *Touching the earth lightly*
- Modular construction technologies and examples.
- Smaller scale panelized structures that can be dismantled and potentially relocated.
- Overall design methodology is modular, flexible, efficient and environmentally friendly.



Aspirations

Mood Board - Internal environments

- Clean and natural internal linings.
- Simple efficient and durable materials.
- Materials that connect with the landscape.
- Sustainability and carbon neutral.



Location

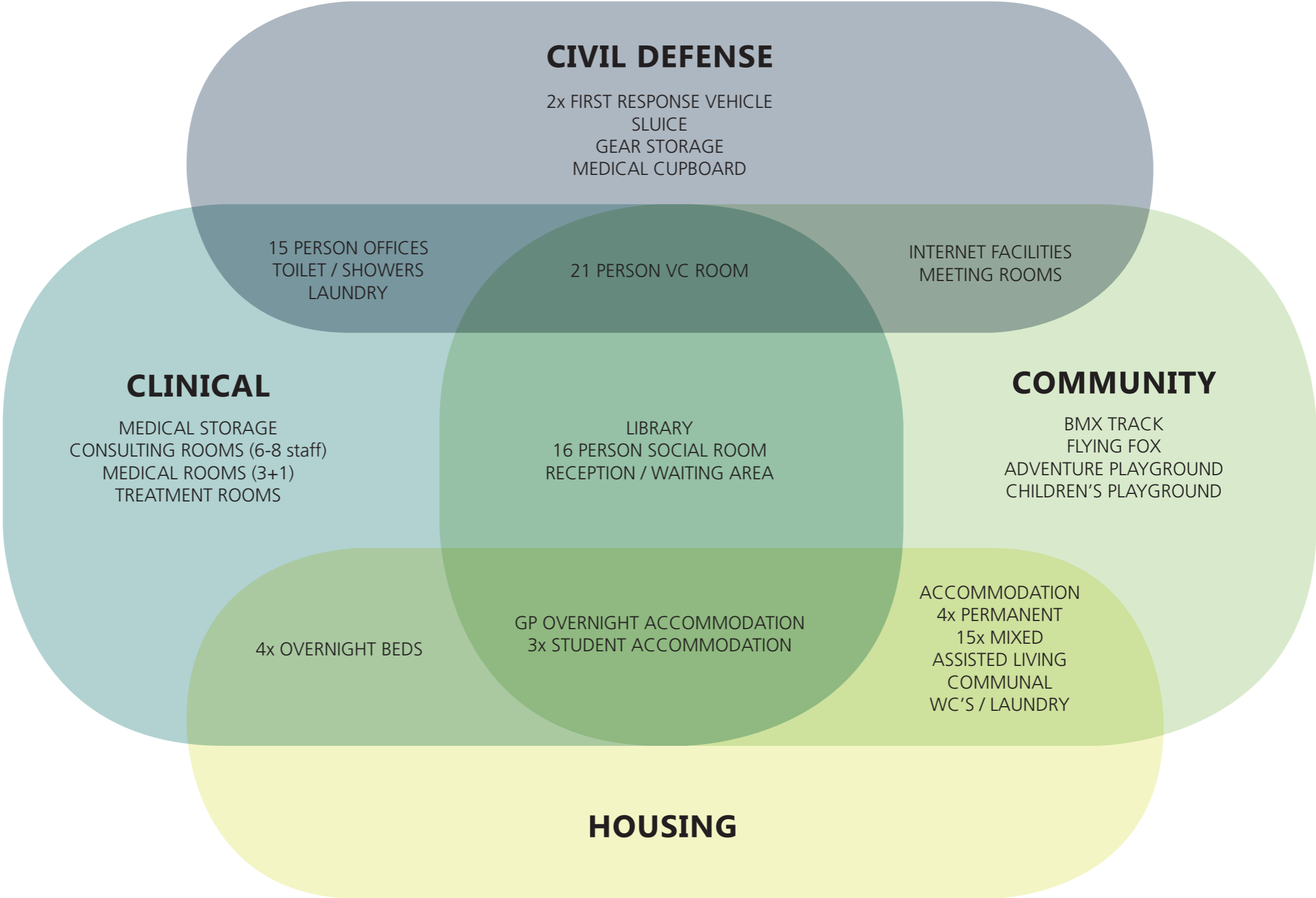
Colville Community - Service area



Connections

Space relationship diagram

The purpose of this diagram is to show how different spacial requirements might overlap. This can inform how spaces might provide flexible use and their relationship in terms of proximity to each other.



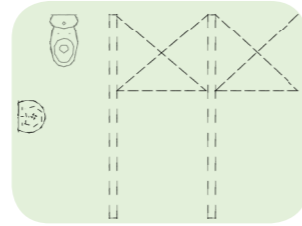
Space Analysis

10sqm + 20sqm spaces

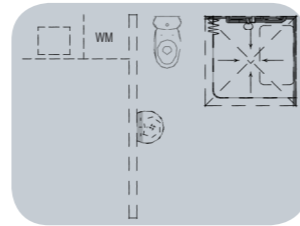
- CLINICAL AND WELLBEING
- CIVIL-DEFENSE
- COMMUNITY
- HOUSING

10sqm spaces - typical spatial requirements (2.7m x 3.7m)

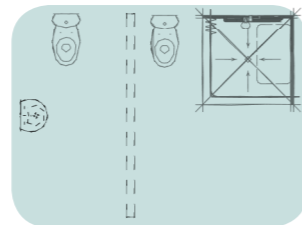
1x UNISEX TOILET
2x UNISEX SHOWER



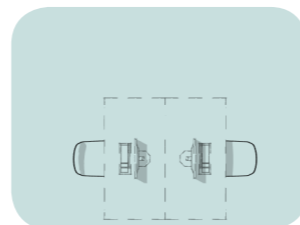
1x UNISEX SHOWER AND TOILET
1x LAUNDRY ROOM



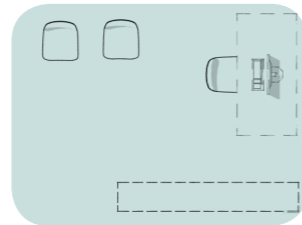
1x UNISEX SHOWER AND TOILET
1x TOILET



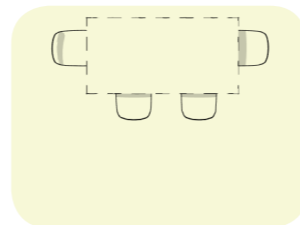
2 PERSON OFFICE SPACE



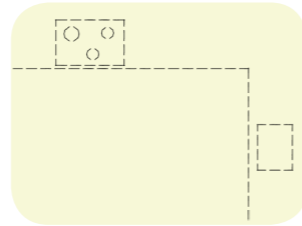
PRIVATE MEETING SPACE



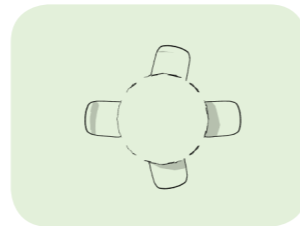
MEETING SPACE OR VC SPACE



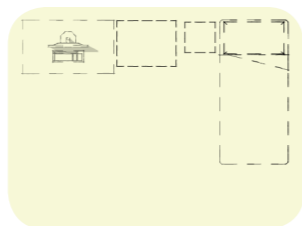
KITCHEN



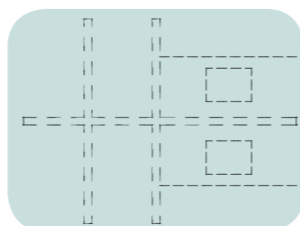
MEETING SPACE OR VC SPACE



SINGLE BEDROOM

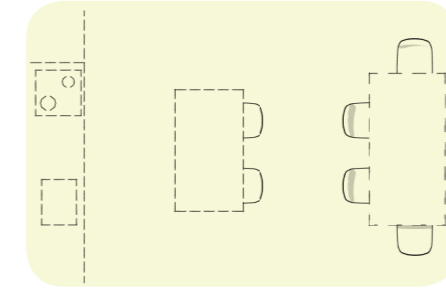


LOCKABLE STORAGE
SULICE

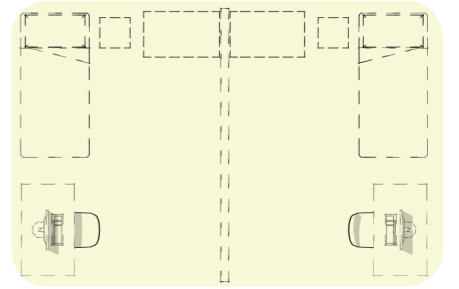


20sqm spaces - typical spatial requirements (3.7m x 5.5m)

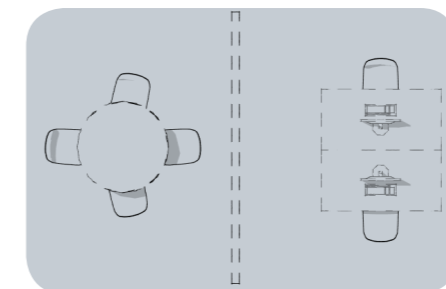
KITCHEN + DINING



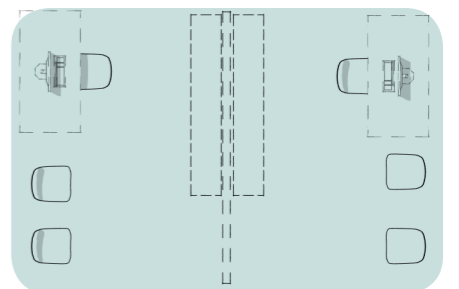
SINGLE BEDROOMS



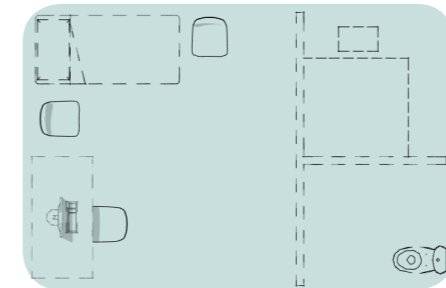
VC + OFFICE



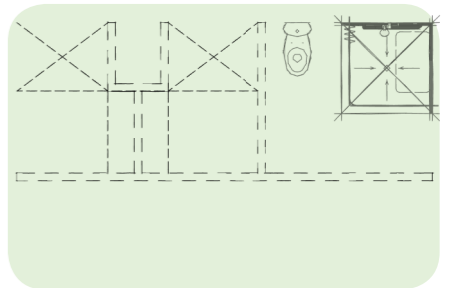
PRIVATE OFFICES



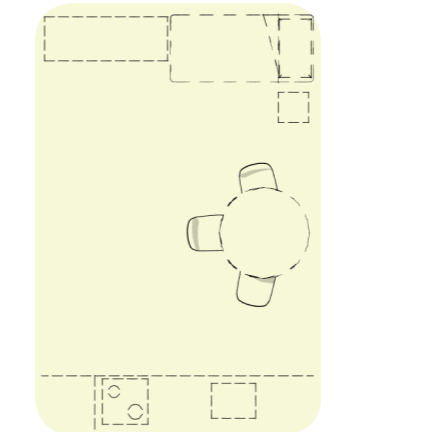
CLINIC SPACE



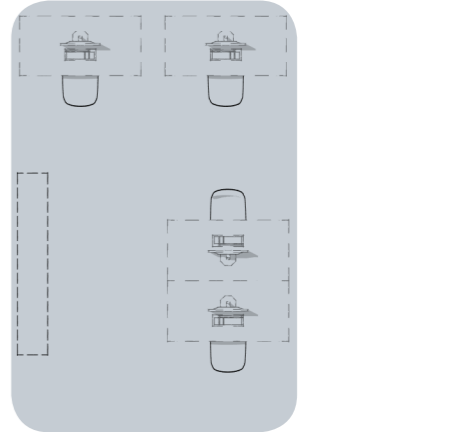
UNISEX SHOWER BLOCK



BEDROOM + KITCHENETTE



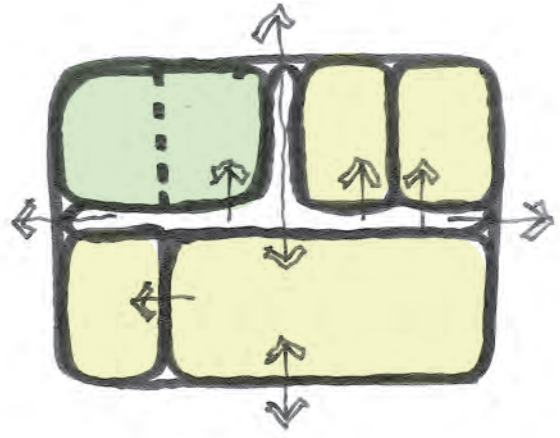
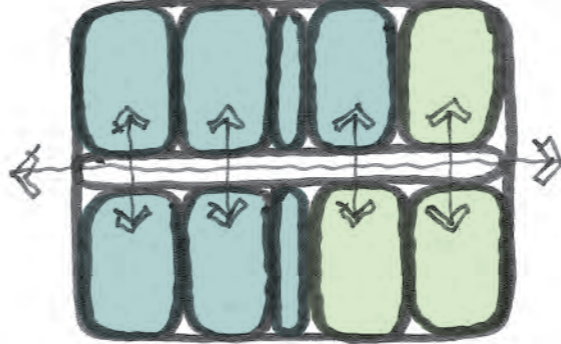
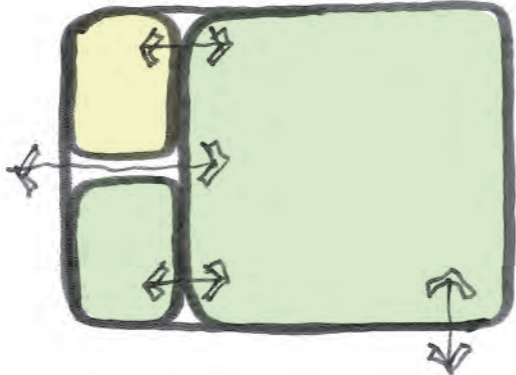
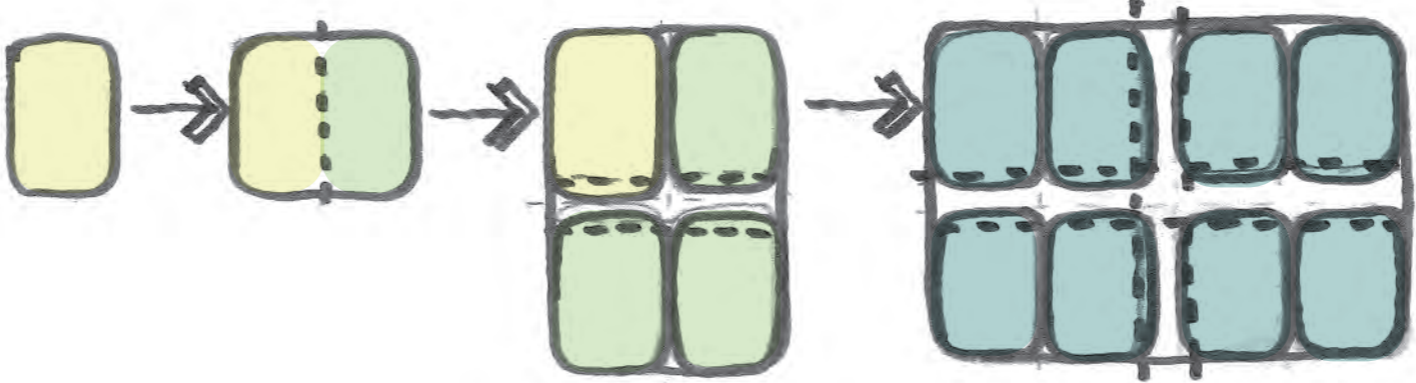
4x PERSON OFFICE SPACE



Spatial Relationships

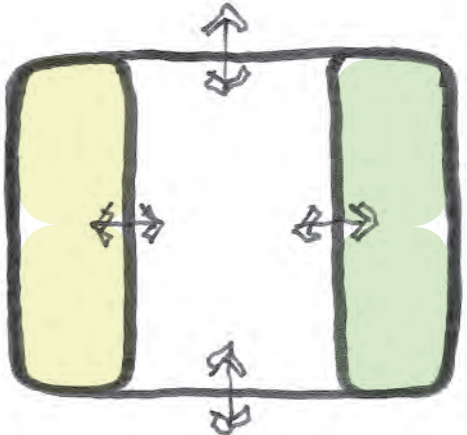
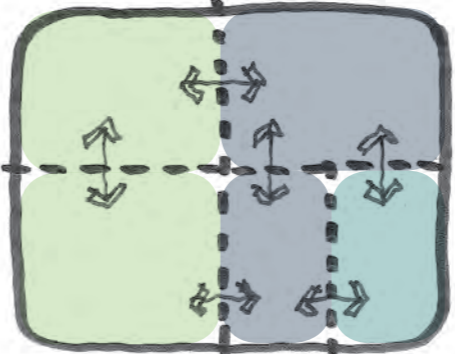
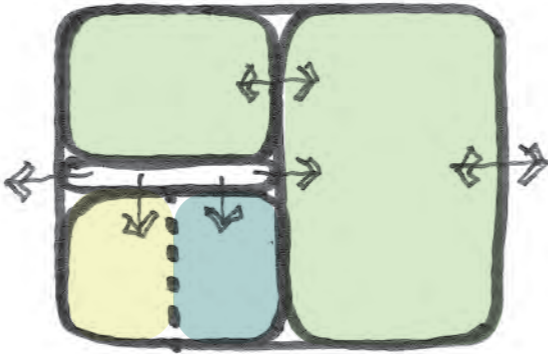
Connections between units

- CLINICAL AND WELLBEING
- CIVIL-DEFENSE
- COMMUNITY
- HOUSING



These diagrams show how a typical 10sqm space can be duplicated to create different options for a building floor plate in terms of modular design. The building envelope can then be divided many ways to provide maximum flexibility.

The advantage of this approach is a space or combination can be modified to be larger or smaller depending on activity over time.

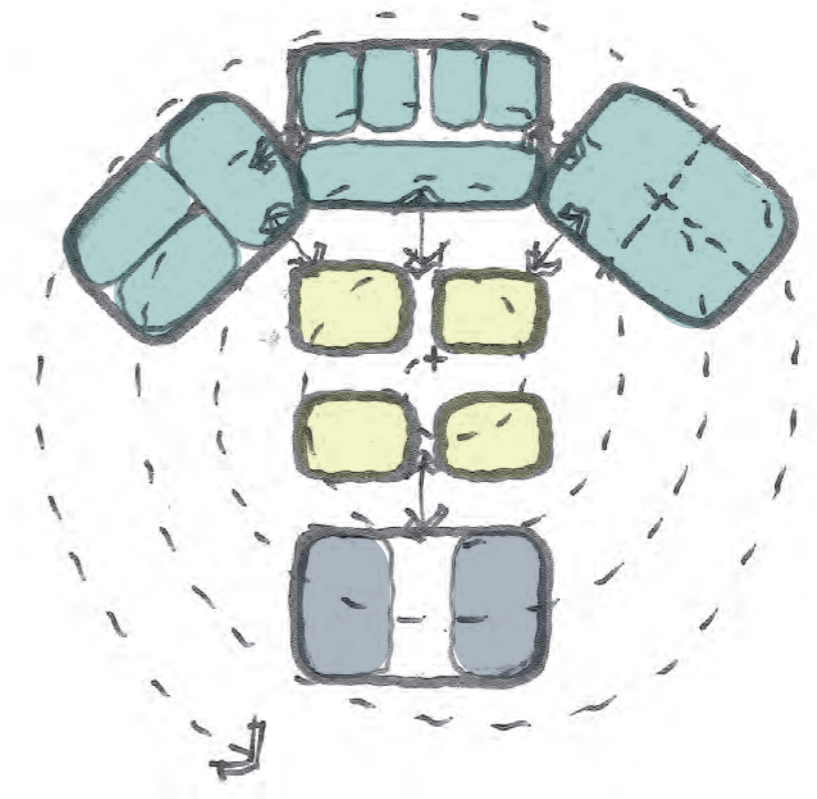
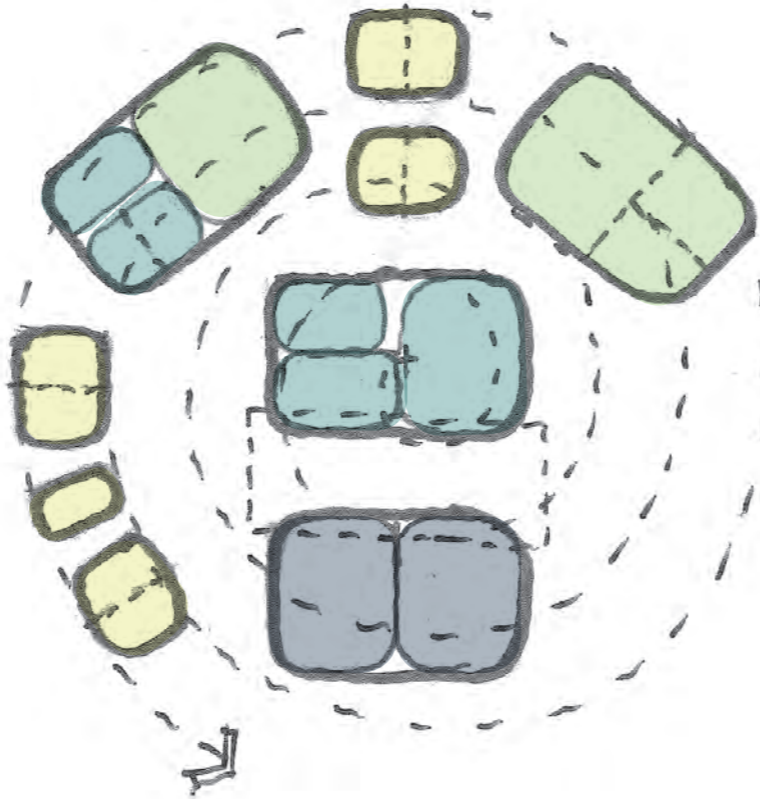
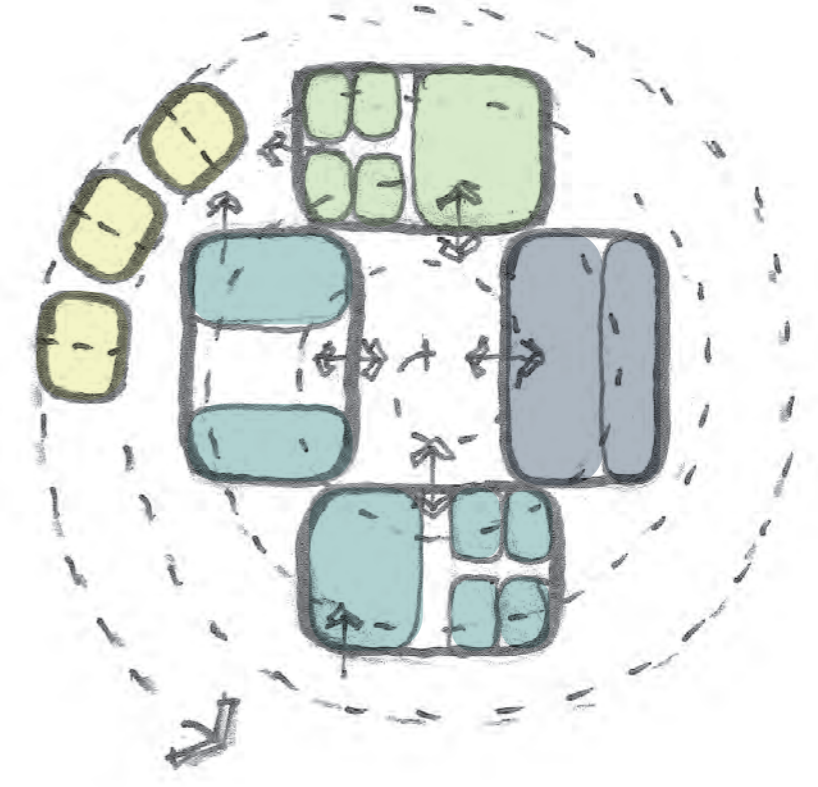
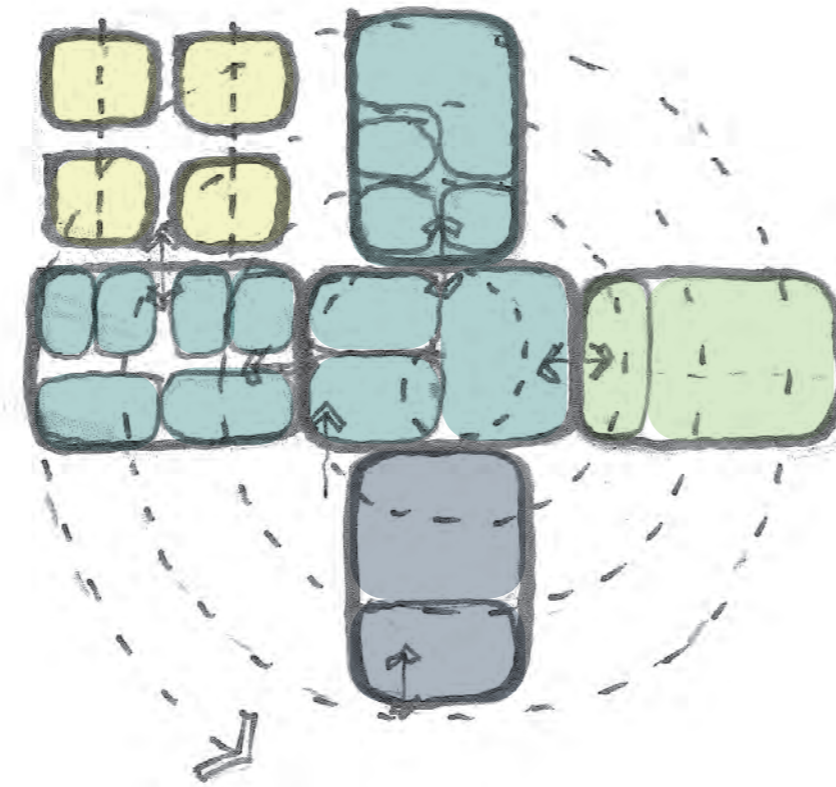


Spatial Relationships

Connections between units

-  CLINICAL AND WELLBEING
-  CIVIL-DEFENSE
-  COMMUNITY
-  HOUSING

A series of high level combinations were looked at in order to determine an arrangement methodology that could be used for the beginning of a generic design on a generic site. This can then inform how the buildings may grow overtime.

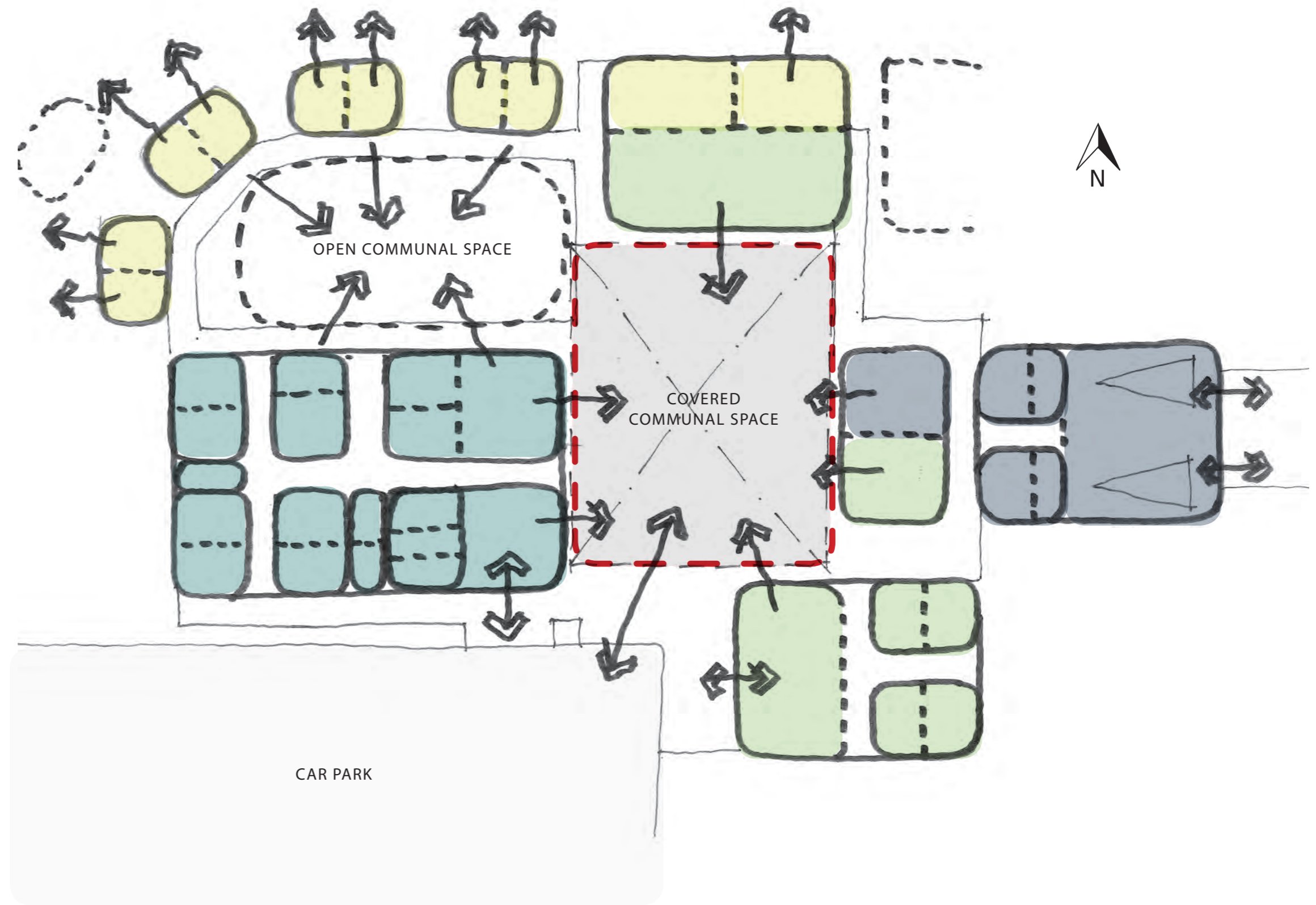


Spatial Relationships

Connections between units

- CLINICAL AND WELLBEING
- CIVIL-DEFENSE
- COMMUNITY
- HOUSING

This high level spatial arrangement shows how various spaces / buildings might relate to one another. This also shows the linking of communal exterior spaces in between.



Floor Plan - Colour Code

Connections between units

- CLINICAL AND WELLBEING
- CIVIL-DEFENSE
- COMMUNITY
- HOUSING



AR-AREA SCHEDULE -...

CLINIC SPACE	270 m ²
EMERGENCY SERVICES	120 m ²
FACILITIES	20 m ²
HOUSING	210 m ²
KITCHEN, DINING, LAUNDRY	125 m ²
PUBLIC	110 m ²
PUBLIC / LIBRARY	120 m ²
VIDEO CONFERENCE	55 m ²

TOTAL 1030 m²

Floor Plan - Detail



AR-AREA SCHEDULE - ...

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3D Perspective - from carpark



