DEVELOPMENT OF THE SECTIONS

DEVELOPMENT OF SECTION A-A

fig. 6.107 Early development sketch of section a-a; highlighting the need to create atrium spaces

fig. 6.108 Three dimensional development of fig. 6.107 indicating the level accommodation in terms of creating privacy through placement of functions
fig. 6.109 Concept sketch of section a-a; showing vertical circulation cores and stepping of the building down to the north.

fig. 6.110 Concept sketch of section a-a showing various environmental factors taken into account.

fig. 6.111 Developed section a-a (not to scale); notice the vertical circulation cores that lead off the main solid core, the ‘floating’ portions of the building that house the wards, the natural light that enters the facility, and the atrium spaces.
DEVELOPMENT OF SECTION B-B

fig. 6.112 Concept sketch of a solid core that supports various parts of a building
fig. 6.113 Concept sketch of a solid core that has activities radiating from it
fig. 6.114 Preliminary sketch of section b-b (1)
fig. 6.115 Preliminary sketch of section b-b (2)
fig. 6.116 Preliminary sketch of section b-b (3)
fig. 6.117 Developed section b-b (not to scale); notice the main solid structural core, the ‘floating’ portion of the building that house the southern ward, the natural light that enters the facility and the balconies
fig. 6.118 Concept sketch of having living green walls up the eastern side of the building in the form of accessible gardens

fig. 6.119 Concept sketch of creating varied platform spaces that lead off the main central core
fig. 6.120 Preliminary sketch of section c-c

fig. 6.121 Developed section c-c (not to scale); notice the main solid core, the light weight central ‘arm’ of the building that houses wards, the natural light that enters the facility, and the balconies.
DEVELOPMENT OF SPATIAL QUALITIES

fig. 6.122 Spatial quality of light required in the gymnasium on the ground floor of the facility

fig. 6.123 Spatial quality of the volumes required in the entrance foyer of the facility
fig. 6.124 Spatial quality of atrium spaces between ward passages, bringing light and vegetation into the facility
fig. 6.125 Sketch plan illustrating the ideas illustrated in fig. 6.124
fig. 6.126 Spatial quality required at nurses stations within wards
fig. 6.127 Spatial quality required in the boardroom/office spaces - double volume spaces
fig. 6.128 Sketch section showing the intentions of fig. 6.127 where structure and infill both become visible parts of the architecture

fig. 6.129 Sketch plan showing the structural need to achieve the intentions set out in fig. 6.127-6.128
fig. 6.130-6.133 Diagrammatic sections of possible spatial and lighting qualities for the gymnasium
fig. 6.134 Sketches showing the possibilities of bringing more vegetation into the design of spaces where limited views are allowed (western side) and creating these as the more public/circulation portions of the building.

fig. 6.135 Sketch illustrating the possibility of using varied layers attached to the building for environmental purposes but also to achieve the desired interior lighting condition.
DEVELOPMENT OF THE ELEVATIONS

DEVELOPMENT OF THE SOUTHERN ELEVATION

fig. 6.136 Preliminary southern elevation
fig. 6.137 Three dimensional developed south eastern elevation
fig. 6.138 Conceptual massing sketch of the south eastern elevation
fig. 6.139 Developed southern elevation (not to scale); notice the main solid core, the ‘floating arm’ of the building, the distinct entrance to the facility, the variation in construction materials, and the activity spaces on ground floor level.
DEVELOPMENT OF THE WESTERN ELEVATION

fig. 6.140 Preliminary western elevation
fig. 6.141 Three dimensional preliminary south western elevation (1)
fig. 6.142 Three dimensional preliminary south western elevation (2)
fig. 6.143 Developed western elevation (not to scale); notice the stepping of the building to the north, the material response to the environment, the planted screens and sun louvres, and the open air fire escape stairs with planted screens
DEVELOPMENT OF THE NORTHERN ELEVATION

fig. 6.144 Preliminary northern elevation
fig. 6.145 Three dimensional preliminary north eastern elevation
fig. 6.146 Developed northern elevation (not to scale); notice the stepping of the building up to the south, the main solid core, the ward ‘arms’ of the building, the variation in construction materials, and the open air fire escape stairs with planted screens.
DEVELOPMENT OF THE EASTERN ELEVATION

fig. 6.147 Three dimensional preliminary south eastern elevation (1)
fig. 6.148 Three dimensional south eastern elevation (2)
fig. 6.149 Three dimensional preliminary south eastern elevation (3)

fig. 6.150 Concept sketch of ideas related to the eastern elevation

fig. 6.151
fig. 6.151 Developed eastern elevation (not to scale); notice the stepping of the building up to the south, the main solid core at the back, the ward ‘arms’ of the building reaching into the eastern courtyard space, and the variation in construction materials.
DIAGRAMMATIC ANALYSIS

fig. 6.152 Parti diagram for the project
fig. 6.153 The geometry of the building's plan
fig. 6.154 The hierarchy of form evident in the plan
fig. 6.155 The hierarchy of function evident in the plan
fig. 6.156 The massing of the building in elevation
fig. 6.157 The structural system of the building in plan
fig. 6.158 Plan and elevation showing the use of symmetry and balance in the design solution
fig. 6.159 Plan and section illustrating the reticulation of vertical and horizontal circulation
fig. 6.160 The use of solids and voids on various levels; illustrated on the plan
fig. 6.161 Section showing the access to natural light within the building
fig. 6.162 Section showing the use of natural cross ventilation through the ‘arms’ of the building
As is seen from this experimental process, architectural design is a process of continuous change and exploration where ideas that are invited to the design proposal are explored in various ways and then either used or rejected to suit the goals set out at the beginning of the project.

In order to create the desired result many items have been selected to enhance the design intentions and others have been thoughtfully rejected in an attempt to achieve the goals set out previously in the dissertation. Ideas were also chosen that will further enhance the theoretical ideas and substance that the dissertation grounds itself upon.

The design intentions and ideas that have been chosen to finalise the design project will now be further developed on a technical level to achieve the ultimate goal - a fully comprehensive design that creates a facility that can house and emphasise the healing process.