The following Precedents are all facilities which exude the same functions as the following dissertation. Clear ordering of Space and the articulation of Movement are characteristics found in these Precedents. The approach to design is dictated by Educational or Display [Gallery] Programmes. These have greatly informed the design approach of the following dissertation. Similar function buildings are appropriate in using as precedents and are intended as a visual reference to the type of atmosphere and quality appropriate in the following dissertation.

Programme features such as Courtyards, Circulation Strips and defined spaces are all reflected in the following precedents. Expression of Programme is evident in each of the precedents through Design and especially Technical Detailing. A few of the following precedents are analysed in closer detail where the Programme and the functions of the buildings are greatly expressed through form, materials and structure under Technical Detailing 6.4/, reflecting design carried through to detail.
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The form of the building is derived from the function as an education facility. It has a number of components clipping onto a circulation strip, providing maximum access efficiently to lecture venues, with gathering spaces in the form of courtyards to accommodate students between lectures. The building faces onto a pedestrian avenue and locates its library with large windows to create a visual connection between people inside and those passing by. The circulation strip plays with the concept of inside-outside space and connects vertically through external stairways. Though the building is located on the University Campus the building plays with the idea of opening up onto internal courtyards so as to provide a safer and security controlled environment.

The management of student movement is an expressive quality in the above building and poses as inspiration in the following dissertation through spaces created and connection between inside and outside. The scale of the project and programme base is very similar to the following dissertation and poses a typical example for an educational facility.
Programmatic 6.3/ Education Facility

South Africa, Pretoria:
University of Pretoria Law Building
Architects: Kruger Roos

Category:
University Campus Building

Accommodation Schedule:
Lecture Venues
Large Auditorium
Library
Study Centre
Lecture Offices

Design Features:
Circulation Strip
Courtyards
Efficiency in Access
Visually Interactive Library Edge

PRECEDENT STUDIES 6/ Programmatic 6.3/

UNIVERSITY OF PRETORIA LAW BUILDING

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www.krugerrooarchitects.co.za

BLANCHE BEVAN S25013654
The Fukui Prefectural Library holds spaces ideal for educational activities with an understanding of connecting the inside with the outside. There is a definite appreciation of the environment with emphasis on glass curtain walls and courtyards to allow for interaction. The following dissertation intends to make use of courtyards to accommodate students between lectures to allow them the opportunity to interact with the outside when having a break. Light quality requirements are also similar for library space, study areas and computer venues. Essentially the programme of accommodating activities is the driver in the project to provide a high level of occupant comfort considering the activities held inside.
The above building consists of office space, research facilities and services all connected via a 4 storey west facing enclosed space protected by a mechanical steel louvre system. This building manages the same design challenges in the following dissertation with circulation issues, security of the facility which still trying to connect with the outside and the location of specific spaces in relation to orientation. The site is located on the periphery of the city on a ridge and looks out over Pretoria with a large west facing edge capturing views. There is a strong attempt to connect the inside with the outside through visual connection with the use of mass glass curtain walling.
The above building is the first of its kind dedicated to the ‘moving image in all its forms’ [http://en.wikipedia.org 12/10/2006] and is a major influence on the following dissertation. The building consists of a number of spaces, venues and exhibition / museum halls and sets the brief for the following dissertation. The treatment of specific activities is very relevant however the response to media and image is slightly different. The ACMI [Australian Centre for the Moving Image] building is more of a house for the moving image rather than a surface to display on expressive of the content. Surface detail and technical assembly is still a big component in the design and poses as inspiration with catering for connection between inside and outside within a city context. Glass and steel is used in a shell lattice façade and expresses an approach to transparent edges needed in the following dissertation.

**Design Features:**
- Glass + Steel Lattice Shell Cladding
- Main Exhibition underground
-Disconnected visually from Federation Square

**Links:**
- www.federationsquare.com.au
- www.acmi.com.au

**Illustrations:**
- Australian Centre for the Moving Image: Lobby
- Australian Centre for the Moving Image: Glass Detail
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- Australian Centre for the Moving Image: Lattice Shell
The Apartheid Museum is predominantly a display facility centred around the History of Race Discrimination with specific reflection on South African history. The layout of the building directs visitors through it and makes use of internal and external display. The brief includes a display ramp, display venues, an outdoor theatre and a reflection box. The Concrete box shown in illustration 6/068 plays with different size openings and light reflecting off water as in illustrations 6/061, 062, and 063.

The design of the building plays with the visitors emotions and controls levels of interaction with the outside through sizes of openings and materials used. Concrete is a very powerful raw material in this building and shows a true honesty to the material. This approach to materiality is the concept behind the following dissertation.

**Programmatic 6.3/ Museums**

South Africa, Johannesburg: Apartheid Museum

Architects: GAPP Architects + Urban Designers

Category: Historical

Accommodation Schedule: Display and Exhibition Spaces

Exterior Theatre

**Design Features:**
- Starch and sterile texture
- Raw Concrete
- Linear Elements
- Continuous Route through Facility
- Constant Reflection
- Connection to Context

**PRECEDENT STUDIES 6/ Programmatic 6.3/**

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- 6.3/070 Apartheid Museum: External Display Ramp [Author]
Maropeng Visitors Centre is very much a display gallery with a defined linear form and climax point mound nestled into the landscape. The concept of display being an internal activity is expressed with a large portion of the building sitting under ground. Circulation is a major aspect of the building carrying people from a start to a finish. Control of visitors is very easy due to the lack of connection to the outside. With such a layout and the simple legibility it is ideal considering security for such a building. Clear, linear and structured form is expressed and needs to be the guiding order for a public / entertainment high visitor venue. Structure plays a very important role in the ordering of movement. Materials such as concrete are used to reinforce this.
MAROPENG VISITORS CENTRE

Programmatic 6.3/
Museums
South Africa, Cradle of Humankind, Gauteng
Maropeng Visitors Centre
Architects: GAPP Architects

Category:
Historical + Scientific

Accommodation Schedule:
Display and Exhibition Spaces
Interactive Zone

Design Features:
Nestled into Landscape
Underground Exhibition
Circular mound Tower
Concrete Fins creating tower
Linear Circulation Route

Illustrations/

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