Maano  : A creative collaboration for a creative community

A craft shop for value added products in the Panagos Building, Paul Kruger Street, Pretoria CBD

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Briefing document

Chapter 1

1.1 Real world problem
1.2 Problem statement
1.4 Sub-problems
1.5 Scope
The world is globalising. The definition of globalising as given by the book Globalization and Equity is “widening international flows of trade, finance, and information into a single, integrated global market” (Dinallo 2005:67).

The benefits of globalisation are that it stimulates trade and economic growth, reduces poverty, and contributes to economical and political stability (Dinallo 2005:ix). Globalisation has increased rapidly, largely due to the exposure and connectivity that the Internet offers. Internet shopping offers convenience and is only available to select portions of the population. Personalisation requires a return to communication, but this ‘cyber-life’ is impersonal and rather producing.value-added products in South Africa. This article was directed towards industries including craft. Southern Africa contains a wealth of precious and semi-precious gemstones that can be used more extensively for the production of value-added craft products (Calumcrino 2001:4).

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Ineffective marketing of cultural talents Marketing is crucial for events such as the Design Indaba, Decorex, Woman’s Festival, SA Fashion Week and other art festivals. Exposure is preeminently created via specialist magazines and on the hosting city’s website. These media forms reach a limited cross-section of the population who already attend events regularly. Many creative people are unable to develop their talent because they are not aware of the opportunities to do so. Tele-advertising and offering accessible free Internet access to sites promoting such events will increase the variety of attendees and thus, promote development in these areas of expertise.

Heritage South Africans idealise other countries such as America and Britain, but they ignore their own treasures and heritage. Significant buildings are being demolished without any resistance from the local building council. Most owners of historically and architecturally significant buildings are ignorant about their buildings’ value and therefore, make poor choices regarding the maintenance and development of their estate. A number of South African-based companies, such as Monkey Biz, M.J. Visuals and Ardmore, are selling their goods from their websites. This is encouraging for other South African businesses, as they can and should be extended to all of our creative industries, including craft. Southern Africa contains a wealth of precious and semi-precious gemstones that can be used more extensively for the production of value-added craft products (Calumcrino 2001:4).

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There is a gap in the local tourist market for value-added goods. Curios are available in abundance at the National Zoological Gardens nearby the Panagos Buildings, but these are of an inferior quality and are unsuitable for export.

A craft node at which the local and tourist communities intersect creates an ideal platform for related activities through which these communities can support each other. At this node, training of local talent for the production and trade of value-added craft products will take place. These activities must be undertaken at the same locale so that each activity can respond quickly to the other activities.

Taxi drivers mainly work in the early morning and later in the afternoon. When conducting personal interviews with some taxi drivers, they expressed a sincere desire to have a second source of income for a few hours during the day. Other interviews with informal street vendors brought forward the problem that working mothers have of keeping their children occupied and out of trouble during the day. Others were simply keeping a friend company at his/her stall as they had no work. These personal interviews revealed the need and the desire to spend their hours productively to develop skills and to relieve boredom.

Proposed development

The chosen site is the Panagos Building on the corner of Paul Kruger and Struben streets. As part of the GAP urban framework proposal for Pretoria’s CBD, Paul Kruger Street is highlighted for development into a pedestrian road which will link Church Square with the National Zoological Gardens and a taxi rank to the north. A tram route is designated to run along Paul Kruger Street and a tram station will be situated on the corner of Paul Kruger and Struben streets, diagonally across from the site. These urban design decisions will initiate new opportunities for additional retail activities, creating a commercial precinct. In addition to a retail division, the low level of education of the majority of the population calls for a training facility on the site at which short courses may be attended (Figure 1.1).

Owner/investor profile

The building is currently owned by the Methodist Church of southern Africa. For the purpose of this project, the owner will be a single landlord who will manage the tenants who in turn will provide services that conform to the business profile of the craft node.

Client/tenant profile

The anchor tenant will be the craft shop, Maano. It will offer value-added traditional and contemporary craft products as well as a selection of topic related books. Maano will also include a coffee bar, coupled with a free Internet café on the first floor of the building to draw people through the shop. Two computer points are provided as well as a Wi-Fi hot spot.

The second tenant will be a bead shop on the street corner. It is through this shop that controlled access to the workshop detailed above will be provided.

In addition to the above described formal retail outlets, two small rentable spaces will be provided along the eastern façade. These spaces will be rented at a moderate rate to afford opportunities for informal craft related traders to upgrade their businesses into semi-formal trade posts. A small area will be made available inside the building where the merchandise will be displayed. Tables and chairs can be stored at night, and a large display window and double doors will open out onto the street.

User/buyer profile

The user profile that will be responded to is the existing local and tourist populations. Many small businesses and primary schools are in the immediate vicinity of the site. There are also many tourist destinations in the area. Therefore, a high percentage of local patronage is expected on weekends and after school hours, while tourist patronage is expected during the week.

An onsite workshop will be used for bead jewelry, pearl threading, wire, and mosaic courses throughout the week. An arrangement will be made with nearby schools that students may conduct arts and craft classes at the workshop.

When it is not being used for classes, the workshop will be made available to artists.
Sub-problems

Context
The context under investigation is the portion of the Pretoria central business district north of Church Street. A study which included pedestrian and vehicular movement, the needs of the local population and services provided has been completed and an urban design proposal has been put forward.

Flexibility
It is important to achieve flexibility in the new design system. It not only contrasts with the permanence of the existing structure, but allows the businesses to adapt to the changing desires of their clients and to change according to the available stock.

Craft
The production of handmade goods is something that is deeply rooted in South Africa’s heritage. It is non-discriminatory as it is practised by both men and women and is worn by the rich as well as the poor. Some use it as a source of income while others enjoy it as a hobby, but the dexterity and skill needed must not be underestimated (Figures 1.3-1.4).

This genre of art can be taken to a high level of quality where the boundaries are tested and new, innovative materials and techniques are invented.

South Africa is rich in minerals (Cairncross 2001:4) and we should exploit these to enrich and promote the production of value-added craft.
Large portions of the local population do not have the finance to further their education. Furthermore, traditional skills are being lost due to the younger generation’s disinterest in their heritage. Providing a workshop where school children can learn the skills of their forefathers will introduce them to an alternative career path should they not have the means to further their formal education.

Courses will fall into two categories, basic and advanced. Training will include various day classes designed for hobbyists, who will pay a flat rate for a course and course-kit, and formal courses with weekly classes. Formal training will focus on teaching local talent to use their new skills to generate an income. Only a registration fee will be required to cover the cost of the equipment. A subsidy will be obtained from the Department of Arts and Culture of South Africa to help cover the costs incurred.

When not in use, the workshop will be rented out on an hourly basis to anyone wishing to use it as a studio or to use the equipment provided. The right environment for studio work will be supplied and thereby, newly trained craftsmen will be encouraged to use their skills without delay to begin generating an income. Interested persons will be able to book telephonically or via the Internet. Those aspiring to become facilitators at the workshop can attend training in this area should a post become available.

Marketing and branding
The value-added products will fill three different marketing profiles, namely local population, tourist population and export.

All marketing and branding will give credit to the designer or craftsman and acknowledge the authenticity of the design and materials used. The Internet site to be created for the collaboration will facilitate orders and provide exposure to a national and international market.
1.4 Briefing document

Scope

Definitions

a) Local
"Belonging to, existing in" is the definition of the term 'local' given in the Pocket Oxford Dictionary. For the purposes of this dissertation the area to which 'local' belongs is the northern part of Pretoria’s central business district (CBD). This area extends from Boom Street to Visagie Street (northern and southern parameters respectively) and Potgieter Street to Du Toit Street (western and eastern parameters respectively).

b) Value-added
The term 'value-added' refers to products which are of a higher value than other, similar products. The term is used to describe craft items sold at the shop. They will be of a higher quality than craft items sold at most curio shops and they will be suitable for export.

c) Craft related
The term 'craft related' refers to any product or service that has a craft-like character.

d) Panagos Building
What are known as the Panagos Building are in fact two buildings. As this is a commonly used name for the buildings when ever the words Panagos Building is used it refers to both buildings.

e) Corner building
The term corner building is indicative of the northern building which is situated on the corner of Paul Kruger and Struben Streets on erf 102 portion 4.

d) Southern building
The southern building refers to the elongated building built on Paul Kruger Street on erf 102 remainder.

Assumptions

It will be assumed that the Tshwane Inner City Project Spatial Development Framework (TICP SDF) GAPP proposal for Pretoria city centre (defined in Chapter 2.5) will be realised and will be enforceable for the future development of this precinct. This includes the development of Paul Kruger Street into a pedestrian spine.

Delimitations

The craft workshop will be limited to affordable materials only on account of the increased security risk that more expensive materials would impose.

Only craft related products will be sold and craft related activities will be exclusively promoted at the craft node.

Goal

The goal of this proposal is to develop a creative and adaptable platform at which South Africans can develop their skills, start their businesses and showcase their designs.
Chapter 2

Physical context

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2.1 Physical context: The city

Education appears to be one of the dominant forces drawing people towards the Pretoria CBD. This has been documented and illustrated on the attached map. Apart from a few larger schools around the periphery, there are a number of small nurseries, primary and secondary schools (indicated in green) scattered around the centre of the CBD. For parents, these schools are conveniently located as they are on their way to work.

Tertiary education is available at formal academic colleges and universities (indicated in dark blue) offering a variety of diplomas and degrees. However, the most common tertiary education disciplines offered in the area are computer and business courses. A concentration of these small colleges offering PC and business management training can be found towards the southeast of Church Square (indicated in light blue).

The high demand for business skills is balanced with a moderate amount of institutions offering courses which appeal to the creative sector of the population (indicated in purple). There are three cooking schools, namely Snowflake Bake for Profit Community Project and Bon Appetit Training Restaurant in Du Toit Street and Citi-col Twin Palms Training Restaurant in Schoeman Street. Other creativity focused institutions include the Sasol School of Music and Credo College, which offers training in fashion design and dressmaking. Informal training also takes place at small hair salons that offer training in hair braiding.
Physical context: The city

2.2 Informal trade

According to Prof Ligthelm from the University of Southern Africa (UNISA), there are more than 2 100 informal businesses in Pretoria that are concentrated largely at transport interchanges (2005:1). Of these, approximately 660 are found in Marabastad, which is situated adjacent to the Pretoria CBD. The CBD, however, is also bursting with informal trade along important pedestrian streets such as Van der Walt and Boom streets. Ligthelm notes that informal businesses seldom grow to meet market growth; rather, new traders will establish their businesses where demands are not fully met. Through his study, Ligthelm classifies 85% of these informal traders as survivalists, making insufficient profit to support a family, and 90% show little interest in trying to seek further opportunities (2005:3).

Between 5 and 16 February 2007, several informal interviews were conducted with vendors and taxi drivers in the Pretoria CBD. Many of the vendors said that they were able to feed and send their children to school from the money they earned. Collaboration between the street vendors and the permanent shops in the area is important. Some vendors rent overnight storage space from the larger shops in which to store their table and goods, whereas some shops offer storage free of charge based on the agreement that the vendor will use them as their general suppliers.

Fear was expressed about rumours that the South African Government was intending to “clean up the city” for the upcoming 2010 Soccer World Cup by chasing away all of the street vendors. This fear was only felt by the illegal vendors. Along Boom Street, legal vendors cook food and set up tables under gazebos (provided by the government for a monthly fee) from which they sell their wares to passing pedestrians. Their dislike for the illegal vendors is obvious, but the same partnership is established between them and their general suppliers for storing their equipment. According to one of the illegal vendors, the monthly fee to legalise her business is too high even though she will be provided with a gazebo and tables.

This reinforces Ligthelm’s findings that informal traders seem unwilling or unable to take the necessary steps to grow their businesses into larger more profitable businesses (2005:4). He suggests that a “social welfare route” should be taken, but does not give any clear suggestions of how this should be done or what it should accomplish. Presumably, by formalising the trading space and providing amenities (much like what has already been done at the Durban beach front) their work environment will improve and thus, will initiate a sense of pride in their businesses. This may eventually lead to ambition to grow one’s business, but foremost, will improve the image of informal trade and attract a larger cross-section of the population’s patronage.

When a mobile market started providing vendors in Diepsloot with fresh produce in February 2007, the vendors suggested spots where the truck should be based (Diamini 2007). As in the Diepsloot example, the vendors of the Pretoria CBD area should be intrinsically involved in any undertaking to improve their work environment because they know their needs intimately.
2.3 Physical context: The city

Pretoria’s Heritage

A number of buildings in the vicinity were considered as heritage buildings during a class exercise in March 2007. Decisions were guided by the book Plekke en geboue van Pretoria: ‘n Oorsig van hulle argitektonies en stedelike belang by S. Le Roux (1991).

The SA War College is a concrete and masonry, modernist building which was built in 1954. Previously, it housed the Hotel Boulevard and before that, the Protea Hotel. It is currently owned by the government and used as an educational institution that provides accommodation for its learners.

The Panagos Building is one of the oldest buildings in the CBD that is still in use. The masonry buildings are in poor condition. They are used for commercial activities at ground level and a church and accommodation occupy the first floor.

The Old Jewish Synagogue was built in 1898 with a Byzantine western façade. The cost of the bricks was donated by Sammy Marks, a well-known philanthropist. Of special significance is the Treason Trial which started in December 1959 and ended in 1961 and which took place in the synagogue after the Department of Public Works expropriated the land in 1952. The Steve Biko inquest took place in the Old Jewish Synagogue as well. It has now fallen into disuse and is in urgent need of repairs.

Telkom west tower is an art deco building from the 1930s. It is a concrete building with masonry infills and is the taller of the two towers seen behind the Panagos building in Figure 2.5.

The Jansen House is a single storey Victorian house which was previously the headquarters for the South African Deaf Society but has since been abandoned. Interestingly the Little girl who grew up in this house married David Panagos who’s Father owned the Panagos Building.

The National Library Head Office is a single-storey colonial building and is in good condition.

The Telkom east tower is viewed from the north in Figure 2.3. It is a concrete building with masonry infills and is the taller of the two towers seen behind the Panagos building in Figure 2.5.
Existing urban environment

The land usage in the immediate vicinity of the Panagos Building is mostly a mixture of commercial and government. In addition, a church congregation meets on the first floor of part of the Panagos Building and two small schools are situated on the same block. There are also two abandoned, government-owned buildings of heritage significance, namely the Old Jewish Synagogue and Jansen House, which can be seen from the Panagos Building.

Of the commercial activities in the existing environment, there are a number of restaurants in the surrounds. The variety of places to eat would cater for the people working in the area and would attract outsiders to the CBD at night. By drawing life into the city after working hours security will increase and tenants can increase their working hours to generate more income. This is a valuable opportunity for service providers as land in the CBD is expensive.
2.5 Physical context: The immediate surroundings

Urban design proposal

The TICP SDF GAPP proposal for Pretoria city centre identifies Church and Paul Kruger streets as key movement corridors. This is further strengthened by the Union Buildings-Freedom Park visual axis.

By creating a pedestrian spine consisting of tram routes along a portion of Paul Kruger Street, services, public space networks and government offices will increase commercial opportunities. This will extend from Boom Street and will end in a pedestrian node at Church Square.

For the purpose of this dissertation a transition zone will be created narrowing intersecting roads as they approach the pedestrian spine. This restricts vehicular access and encourages motorists to find alternative routes.

The reintroduction of the tram network (Figure 2.4) will improve the public transport in the CBD and decrease the traffic of privately-owned vehicles. Tram stations will be placed periodically along the tram route, including one on the corner of Paul Kruger and Struben streets (Figure 2.5).

An underground parkade will be built on the corner of Paul Kruger and Struben streets below a block of residential flats. This parkade may be used during business hours by visitors and at night by the residents of the flats.
2.6 Physical context: Building evaluation

Life of the Panagos Building

The Panagos Building is one of the oldest buildings still in use in Pretoria. It was built in the late 19th century, but was only named the Panagos Building after 1920 when Mr Panagos bought the property from Col J.G Bush. In an interview with David Panagos, he stated that the date of completion of the Panagos Building was 1897. Meiring, however, believes that the date of completion was 1880 (1980:44).

According to Meiring (1980:44), M.W. Pretorius (1819 - 1901) owned the property and built his house there. In a handwritten student research document found at the University of Pretoria, it reveals that the Panagos Building was built on the foundations of this house (the document has not been archived and does not indicate the author or date written). The first known deed of transfer is dated 1861 and is to H.J Schoeman.

The Panagos Building is actually two buildings built alongside one another. Both of these buildings face east towards Paul Kruger Street, originally Market Street. These façades combine to create a seemingly continuous façade and thus, give the impression of being a single building.
Over the years alterations have been done to the buildings that make up the Panagos Building in order to respond to new uses. These alterations are probably the reason why they have not fallen into disuse.

1940 The corner building was converted from a house into a pharmacy on the ground floor and an apartment on the first floor in 1940. To accomplish this, the internal staircase was removed, and the veranda on the northwest corner of the house was bricked in to create a new timber staircase and a door on the northern side allowing the residents of the upstairs apartment to have their own private entrance. When the internal staircase was removed, a structural wall was replaced with a beam supported by the exterior walls (Figure 2.7).

1946 The south building was built as four double-stoey apartments. The internal staircases were removed in 1946 when alterations were done to make the ground floor suitable for retail and to turn the first floor into small apartments. The new first floor apartments had access via a new communal, concrete staircase leading to the western balcony. Two concrete beams resting on columns were added to support the first floor when some of the internal supporting walls were removed. The western veranda was bricked in to create storage for the shops on the ground floor (Figure 2.8).

1952 In 1952, approval was given to convert a storage room into a cold room for the butchery in the southern building (Figure 2.9).

Other alterations Both buildings are masonry and are plastered and painted. They face east and are connected by a bridge on the first floor. A 1.5 m-wide alley between the buildings was closed in for storage.
2.8 Physical context: Building evaluation

The Panagos Building is noteworthy because of its distinct vernacular architectural style and more importantly, because of its longevity. Other buildings found nearby which were built in the same era have either fallen into disuse, like the Old Jewish Synagogue, or been replaced with less flattering structures, like the Synagogue House which has been replaced by Stuben Street Motors.

The building's endurance is partly due to its response to the changing demands of the CBD. With each new tenant came new interventions. Unfortunately, the renovations were disrespectful towards the original buildings. A roughly made brick wall was added to give security to the cash loans employees, the back veranda facing a garden has been bricked in and now faces a service yard, and a monstrous brick and concrete stair case currently provides access to the balcony. As disrespectful as these renovations were, they remain part of the building's history; therefore, some of these structures will be refinished, but the building materials of others will be reused onsite.

Great attention has been given to the detailing of the front façades. The doors and windows create a rhythmic pattern, and are framed in timber and separated by columns. The façade seems to wrap around the corner building onto the northern facade and stops abruptly after approximately 3 m. The rest of the buildings have received little thought, and doors and windows are placed haphazardly wherever needed.

The interior space receives the most natural light in the early morning as the eastern façade has the most windows. This light is quite sharp and hard on the eyes. At sunset, a very soft, pleasant light fills the building, but this light is unsuitable for tasks and must be supplemented with artificial lighting.

Corner building layout

The corner building faces east, with little fenestration on the other façades. There are four entrances into the building. Firstly, there are two large doors entering into the biggest ground floor room, one on the eastern façade and one on the northern façade. A back door is found on the western façade, leading to the kitchen. The final entrance is found on the northern façade and opens onto a staircase, acting as an entrance to the first floor. From the stairs there is a succession of small rooms leading to a large room currently used as a church hall.

The south-western corners of both floors house the services such as kitchens, a toilet area and a vestry that was previously a kitchen. A chimney rises from the first floor kitchen level, passes through the first floor kitchen and out the roof. The toilet was originally located outside, but toilets have now been installed on both floors.

South building layout

This building has little fenestration on the western façade and none on the northern and southern façades. The building may be entered on the western and eastern sides of the building. Four identical entrances, originally the front doors to four apartments, are found on the eastern side and there are four back doors on the western side. An external staircase gives direct access to the western balcony, onto which four more doors lead.

Water and sewerage services, which run along the outside of the building, were probably installed when the upstairs apartments were created. All of the pipes are placed on the outside of the western facade of the building and are an eyesore. Bathrooms were built for each apartment and water is provided to the back rooms of the shops. An additional bathroom is located behind the garage where the old outhouse was.

Detailing differences

On closer inspection, the two buildings reveal different details suggesting that they were not built at the same time. This may account for the different completion dates available for the Panagos Building as mentioned before.

Although the buildings appear to be identical at first, creating a single, continuous front facade, subtle differences are easily identified with further investigation. These differences include the columns, window frames, doors, and first floor construction (Figures 2.11 - 2.15).

Figure 2.15: Evaluation of existing building’s

The building

- Built in verandans
- Fenestration
- Entrances
- Rooms with services
- Additions
Columns decorating the front façades of the buildings differ in proportion and the corner building’s columns are more ornate (Figures 2.12 - 2.13).

The timber window frames at ground level of the northern building’s front façade have an arch design, cannot be opened and are underlined with an ornate windowsill. Those of the southern building are rectangular with small opening windows at the top, and the windowsills are less ornate. The size of the large windows is roughly the same. The most distinct design difference is mainly hidden by the corrugated roof sheltering the walkway and is above eye level; therefore, it does not break the continuity of the front façade.

In Figure 2.14 the original timber doors of the corner building can be seen. These have since been removed and replaced with stacking folding doors. The southern building still has the original timber double doors and these are in a good condition.

Structurally, the buildings differ as well. The corner building has a timber board first floor, whereas the southern building’s first floor is concrete to support the brick bathroom walls. Due to the meticulous attention to detail found in the corner building’s construction, it is reasonable to assume that it was built first. In addition, the building footprint resembles that of a house and is likely the one built on the foundations of M.W. Pretorius’s house as suggested by the student assignment mentioned earlier. This conclusion is also supported by the fact that the first floor of the southern building is concrete, which is a more contemporary material.

As the southern building must have been built at a later stage when the original building components were no longer available, similar windows, doors and even cornices had to be sourced.

The corresponding fenestration, floor heights and roof height, and the exterior walls’ matching colour preserved uniformity.

In Figure 2.16 the South Building column base (left) and Figure 2.17 Corner Building column base (right) are shown.
### Legislative context

#### 3.1 Summary of zoning certificate

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#### 3.2 Activities and zoning

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Consent from the council is required for the following purposes:

- Dwelling house
- Filling station
- Institutions
- Motor workshops
- Places of amusement
- Public garage
- Restricted industries
- Special buildings
- Sports grounds
- Warehouses

Purposes for which buildings may not be used:

- Panel-beating
- Spray-painting

The Panagos Building is currently being used for retail, residential, refreshment and public worship purposes. From this list of activities, residential and public worship will be discontinued and a place of instruction will be added.

All the activities will be controlled and specialised, conforming to the genre of craft.

All the above activities conform to the City of Tshwane’s zoning for the area; therefore, no application for rezoning is necessary.
The Ndebele people of southern Africa live mainly in Pretoria and Mpumalanga. Only a few of the Ndzundza group of Ndebele group still practice the decorative art of painting and beadwork (African Home 2007).

Further out from Pretoria, in KwaZulu-Natal, the Zulu people still wear outfits decorated with feathers, beads and skin for traditional functions. The colours and symbols created from beads have specific meanings, indicating the person’s social status and where they are from. Originally, these messages were illustrated with dyed seeds, but were replaced with glass and plastic beads once trade with India began. Unfortunately, the style of storytelling is being lost with each generation (African Home 2007).

Beads are now frequently combined with wire to make hand crafted items (Figures 4.1 - 4.5), but the creativity of the craftsmen has compelled them to find new materials to work with in innovative ways.

Craft has become somewhat of a fashion item in modern society (Figures 4.6 - 4.8). From accessories to home decor, people are drawn to the colour and the informality that still maintains a strong sense of style.

Wire is no longer used in the traditional sense when designing a wire table like the one below (Figure 4.6). The standard of construction was raised by welding the frame, spot welding the infill wire into place and then powder coating the entire table red (Pingmag 2007: African crafts).

Buckskin was previously worn by the Zulu people of South Africa for traditional occasions (Fisher 1992). Now, dyed bright pink and purple, the buckskin of the handbag given as an example hardly resembles the traditional outfits (Figure 4.7).
Ceramic art seems to take the role of functional art and alters it until it reaches a high level of artistic value. Vases, piggy banks and soap dishes are only a few examples of functional objects which have surpassed their function and entered the realm of high art.

Many different aesthetic qualities can be achieved with ceramics by using different pigments and glazing techniques, making it quite a versatile medium to work in.

Ceramics SA is an association that promotes community awareness and appreciation for ceramic artists and their work. This kind of formalised gathering of related crafts is important for establishing and backing up a class of craftsmen that have reached a certain standard of manufacture and guarantee customers quality.

The function of what we today consider traditional craft was to adorn the people for ceremonies and war, and display their social and marital status (Fisher 1992:13-17). The materials used were originally found in their immediate environment and later incorporated imported objects such as beads. Today, with globalisation and the availability of information, almost any material can be used to continue the tradition of adornment. Figures 4.10 to 4.13 convey ceramic jewellery. Various tools are used to assist the craftsmen in order to maintain a certain standard during production such as the bead board used for the design of bead jewellery (Figure 4.14).

Many different aesthetic qualities can be achieved with ceramics by using different pigments and glazing techniques, making it quite a versatile medium to work in.

Ceramics SA is an association that promotes community awareness and appreciation for ceramic artists and their work. This kind of formalised gathering of related crafts is important for establishing and backing up a class of craftsmen that have reached a certain standard of manufacture and guarantee customers quality.
“Many African people have found modern equivalents for traditional objects in, what Western consumer-oriented communities might consider, ‘trash’.” (Nettleton 2003:52). However, many new materials are not recycled, but are simply used in a new way (Figure 4.27 - 4.31).

As with traditional objects, new materials usually carry symbolic meanings. Traditional healers may now incorporate test-tubes into their jewellery design, replacing horns which were once used to store medicines (Figure 4.26).

In the case of mother-of-pearl buttons, the new material closely resembles the original material, shells. In this case the buttons are easier to work with as they are already made with holes. First used simply to replace shell patterns on fabrics (Figure 4.31), buttons are now used to create three-dimensional objects like wall lights (Figure 4.28).
## Precedent studies

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Precedent studies: Specialised retail outlet

Kim Sacks
Oxford Road, Johannesburg

As a backdrop in her shop design, Kim Sacks uses crisp white walls. The merchandise is arranged in layers; below, at and above eye level. Smaller bowls and jewellery are placed at eye level where patrons can view them without straining, the walls are filled up to the ceiling with fabrics, woven plates and pictures, and larger objects are simply placed on the floor or on low level shelves.

Sacks’s use of strong contrast sets her shop apart as it creates a sense of sophistication while displaying the strong African character of the merchandise as well. She seems to consciously source neutral articles to sell alongside her own monochromatic ceramic artworks. White ceramics are placed on timber shelves and reed baskets are hung on white walls.

Articles sourced from other artists are displayed in small, lockable cabinets and sold on consignment. This is mutually beneficial as Sacks carries the risks of running the shop, but is able to supply her patrons with a wider variety of merchandise extending beyond her scope of expertise.

A traditional African method of storing bangles is mimicked in her bangle display. In the book Africa Adorn, it tells how the ‘fan’ (supreme chief) of the Bamileke people of Cameroon would wear a collection of bracelet’s made from a single tusk. These bracelets would be stored on a wad of palm fibres. In Figures 4.7 and 4.8, one can see how sack cloth has been used in a similar way. This display is, however, unsatisfactory on its own as it does not allow patrons to easily try on the bangles. Therefore, a basket that holds an example of each design of bangle has been placed below the hanging sack cloth to permit fitting and to catch any fallen bangles.
Delagoa’s shop design is similar in approach to Kim Sacks. White walls are used as a backdrop and the merchandise is organised in layers of differing heights. Conversely, not having an in-house artist means that no one style is dominant and a far more lively atmosphere is created by the intense variety of colour, shape and texture.

The shop caters for a wide clientele. Products range from traditional craft items to designer pieces, from functional art to the purely ornamental, and from textiles to ceramics. Every available space is jam-packed with merchandise. Mobiles hang from a false ceiling and even handmade furniture is available for sale.

The solitary shop assistant sits at the till, which is placed near the shop entrance. The shelves never exceed eye level, allowing the shop assistant to have a view of the entire shop.

In Figure 4.14, purpose-made shelves on roller wheels are shown. Due to the purpose-made shelves’ ease of mobility, the shop has the potential to adapt to new demands of changing merchandise.
On entering this shop, one is overwhelmed by the variety of colours and shapes of the crystals and gems. There are three areas of investigation which are unique to this type of store: lighting, security and merchandise. The lighting brings the stones to life and enhances their character. Shop displays can either encourage patron exploration and self-service, or acts as a means of increasing security.

At the shop Earth, Fire and Ice, the choice of lighting is determined by the physical characteristics of the gemstones on display. Transparent or translucent gemstones are most beautiful when light shines through them to expose the crystal patterns inside. In Figure 4.18, a crystal ball is mounted on a light box. It is simple in design, only acting as a backdrop and therefore, it does not distract one’s attention from the merchandise. The other dominant source of light in the shop is downward shelf lighting (Figures 4.19 - 4.21) which highlights other areas of interest and intensifies the colours.

As the values of the different gemstones vary quite dramatically according to availability and size, different intensities of security are necessary. The layout of the shop is designed so that the shop assistant can view the entire shop without leaving the central counter and pay point (Figure 4.22). Lockable cabinets at the back of the store house the valuable, large, unfinished gemstones (Figure 4.19). Customers only need assistance here if they wish to purchase something. On the other hand, finished products such as rings and necklaces are kept in the counter where the shop assistant can help anyone wishing to try on something without leaving his/her post.

The less valuable jewellery and gemstones are displayed in baskets on a table in front of the counter manned by the shop assistant (Figure 4.23). Here, patrons can browse at their leisure, picking up and exploring the world of gemstones.

Merchandise is displayed and grouped together according to these levels of refinement. It is separated even further by making the affordable jewellery, pendant and stones available for patrons to help themselves, while the valuable merchandise is locked in display cabinets for safe keeping.

Earth, Fire and Ice: Gems and crystals
Monte Casino, Johannesburg

Precedent studies: Specialised retail outlet

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Earth, Fire and Ice: Gems and crystals
Monte Casino, Johannesburg

Earth, Fire and Ice: Gems and crystals
Monte Casino, Johannesburg

Figure 5.18: Crystal balls. Johannesberg: Monte casino.
Figure 5.19: Lockable cabinets. Johannesberg: Monte casino.
Figure 5.20: Cantrilever shelves. Johannesberg: Monte casino.
Figure 5.21: Built-in display
Figure 5.24: Sally Buttons, in the Woodlands Mall, displays a simple, elegant shop front. In keeping with the monochrome branding of the shop, grey-silver mannequins are dressed in the latest fashion and are placed in front of a large, ornate mirror. This mirror allows passer-by’s to see the entire outfit at a glance.

5.4 Precedent studies: Branding through displays

Mannequins

Figures 5.25: A variety of original mannequins are shown on The Cool Hunter website. As craft is generally rich in texture and colour, a monochromatic mannequin with a smooth finish will be most suitable for this scheme.

Figures 5.26-5.28: Timber busts and hand mannequins have been imported from Indonesia to display the craft jewellery of Beads Entwined. The slender fingers of the hands are best suited to show off small items such as rings and bracelets on the counter, while the larger busts are positioned on the shelves. Deep grooves have been cut into the edges of the busts. This subtle intervention complements the design and creates hooks on which necklaces can be hung.

Figures 5.29-4.31: Big Blue is a well known franchise known for its fun selection of clothing and jewellery, and its eye catching shop displays. Below the till, inside the glass counter, an array of gems, necklaces and earrings are displayed under 50 W diachronic halogen miniature spotlights. The glass shelves allow the light to pass through and thus, fewer bulbs are required to adequately light up the entire cabinet. High gloss, plastic hand mannequins in various colours add to the feeling of abundance when laden with bold bangles and bracelets (Figure 5.32). The laser cut, powder coated, steel tree is useful for displaying earrings at the till, but the design is very busy and therefore, the earrings disappear into the detail.
Clothes hangers are often overlooked as an aspect of branding and marketing in smaller shops. When customers are shopping, every detail should remind them of the particular shop and imprint the branding of the shop in their minds (Figures 5.33 - 5.35).

The clothes hanger has the advantage of constantly being in the shopper’s line of site. When shoppers see an item that they wish to purchase, they see it on the hanger and immediately a correlation is made between the shop and the clothing they like. This increases the number of regular customers and promotes word-of-mouth advertising.
The Reichstag was reopened as the Bundestag, the German parliament, in April 1999. The original building, designed by architect Paul Wallot, was bulky; therefore, Lord Norman Foster’s approach involved making a “light, clean modern insertion” (Russell 1999:103) of glass and steel. This was to be clearly separate from the original building envelope. The spaces were arranged according to function and movement.

While under construction, some alterations to the design were made. The building incurred severe damage from fire and bombs during World War II (Figure 5.37) and much of the structure was found to be irreparable, with a third of the original structure having to be removed. Graffiti left behind by Russian soldiers during the war was also found (Figure 5.36). It was decided that the graffiti should not be removed so as to remind us of the negative effects of war.

The well known glass dome has become the city’s icon as it can be seen from almost anywhere in the city and is a unique addition to the cityscape (Figures 5.38 & 5.40). This dome contains a double spiral ramp that allows visitors to experience a superb view of the city or to look down onto the parliament in session. This design decision is described in the Architectural Record as “architectural transparency as an expression of political accessibility” (Russell 1999:111).

Foster’s noteworthy response to this building was one of honesty. Every era of the building’s history was recognized for what it was, no matter how uncomfortable it may be, and a clear distinction between the old and new was made by inserting a visual and tactile difference into the design and materials.
Chapter 5.7

Precedent studies: Reusing heritage buildings

Castelvecchio Museum

Verona, Italy

Architect: Carlo Scarpa

Carlos Scarpa is known for his use of luscious materials and for reviving craft in a contemporary manner (http://www.architecturee.com). Although he has an appreciation for other styles of architecture, he considers himself to be a true son of his region and has strong feelings for his roots (http://www.GreatBuildings.com/buildings/Banca_Popolare_di_Verona.html).

Castelvecchio Museum in Verona is considered his highest achievement in terms of his delicate handling of ancient buildings. In order to distinguish the old from the new, reveal joints and spatial slots were used, and are said to be like “miniature conceptual moats” (http://www.architecturee.com).

Figure 5.40: Interior view of Castelvecchio Museum

Figure 5.41: Circulation space in the Castelvecchio Museum

Figure 5.42: Double volume space in the Castelvecchio Museum
Chapter 6

Design proposal

6.1 Reaction to the urban space pg 68
6.2 Reaction to the building envelope pg 70
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6.7 Screen display system pg 90
6.8 Sliding panel display system pg 96
6.9 Technical drawings pg 100
Reaction to the urban space

The Panagos Building is situated on an important intersection for vehicular and pedestrian movement. This will give the businesses excellent exposure. Pedestrians passing slowly by have an opportunity to see the displays windows. Motorists can park diagonally across the road in the underground parkade (north east of the building) and this parkade will provide parking for the residents at night and for customers during the day. Above this parkade, there will be a tram station. The tram station and the parkade together form a large node from which people will disperse. Being located close to this node is another advantage in terms of exposure.

To pedestrianise the streets, the pavement has been extended by 2 m, narrowing the road into a single lane. To the west of the building, a court yard is developed into a public space. This public space overflows onto the oversized pavement and wraps around the northern side of the building and flows into the eastern side. This means that the building will have to be accessible from three sides, making access difficult to control. A decision was, therefore, made to keep the buildings that make up the Panagos Building independent from one another to assist in controlling access.

A cooking school will be developed on the adjacent site and will have a roof garden overlooking the public space. This roof garden relates to the balcony on the western side of the building. Although the buildings are to be kept separate to maintain control of access, visually, they will almost become one, being at the same height and overlooking the same space.

To the south of the building is a primary school, Princess College. Being under the age of 13, these young children have nowhere to buy lunch or to spend their recess on the schools property, and when the children leave the school to get food, the teachers can no longer protect them. The roof garden will be made available to the school children during recesses and a kiosk in the public space will offer a place for the children to buy food in a semi-controlled environment. The kiosk is in close proximity to the school and within eyesight of the roof garden so that the teachers can watch over the children and make sure that they are safe.
6.2 Design proposal

The two buildings are separated by a 1.5 m-wide alley, which connects the public space on the western side to the pedestrianised street on the eastern side. This axis has been extended to the west through the public space and to the east across the road through a low cost residence and office block. The buildings are connected on the first floor by a bridge built over the alleyway. The timber structure around the bridge which is rotting has been redesigned.

The corner building has two main entrances on the northern and eastern sides. The southern building has entrances on the western and eastern sides. Due to the architectural value of the buildings’ front façades, they will be restored to their original design and condition. The remainder of the original structure will be altered where necessary to suit the new functions.

All of the stone cladding will be restored to its original appearance. The traces of the original blue slate pavement will be salvaged and reused in the new pavement design. All of the timber frame doors and windows on the western facade will be restored. Although the aluminium frame windows on the first floor are not the original windows, they are in excellent condition and will be left as is. The pillars, walls, roofs, gutters and down pipes will be repainted to resemble the buildings’ original appearance.

Every gypsum ceiling will be removed as they are all damaged beyond repair. This will expose the trusses and increase the volume on the first floors.

The four chimneys are no longer used. Three of the chimneys will be used to house the electrical conduits needed for the first floor, while the fourth chimney will be used to house water pipes needed for the coffee bar. Bricks will be removed to accommodate two access panels for each chimney at each floor, one at eye level and one just below the soffit or trusses.

The section of the walls separating the space into different shops and apartments will be removed to create a continual flow of space. The internal walls separating the space into different shops and apartments will be removed to create a continual flow of space.

South building

Two rentable spaces are to be partitioned off and spill out onto the pavement on the eastern side of the building. These spaces will provide for display windows and are just large enough to store a fold up table, a chair and some merchandise. The main entrance to this building is to be on the eastern side, through two double doors. These will be directly opposite the other entrance of two single doors on the western side of the building, which will lead into the public space.

Due to the architectural value of the buildings’ front facades, they will be restored to their original design and condition. The remainder of the original structure will be altered where necessary to suit the new functions.

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The ground floor will step down onto the veranda, so a raised floor will be installed here to create a level floor space throughout. The sewerage and water pipes will be cased in the dry walls and will run underneath the raised floor. The access to the ablutions will only be via the public space on the western side of the building.
The bathrooms on the first floor will be stripped of all sanitary ware and the walls will be broken down to various heights according to their new functions. The plaster will be removed from these walls to expose the bricks and a sealant will be applied to the remainder of the walls. The southern-most bathroom’s walls will be left as is and this space will be used as a changing room. The next bathroom will be broken down to a height of 350 mm and topped with a melamine surface, and will be used for displaying ceramics with space for storage drawers underneath. The last two bathrooms’ walls will be broken down to support the melamine surfaces of the coffee bar and the internet café.

A roughly constructed brick wall was built to provide security for the cash loan business currently on the premises. This wall will be removed and the bricks will be reused to build the first few steps of the staircase leading to the first floor.

The original concrete ground floor steps at two places. Ramps will be installed to accommodate wheelchair users at these floor level changes. Any carpets will be removed and ceramic tiles will be salvaged. A floor pattern will be created using coloured cement on both the ground and first floors. The existing ceramic floor tiles will be salvaged and used to create mosaic details in the floor pattern. The existing vinyl tiles of the ‘muti’ shop will be discarded as they are in a poor condition.

The original skirting must be salvaged where internal walls are removed and used to restore sections of skirting which are damaged or missing from the remaining walls. The remaining walls will be painted white to lighten the room and to contrast starkly with the colourful merchandise.

Removing the gypsum ceiling below the soffit will expose the holes where the original staircases rose to the first floor. These opening will provide a visual connection between the two floors and allow natural light to pass through to the ground floor. The southern-most opening will accommodate a new staircase to the first floor.

North building

Most of the interior walls will remain as is, with the exception of the timber toilet walls on the first floor. Where these walls have been removed, the timber floor will be stained a darker colour, indicating the original floor plan. The original skirting must be salvaged where internal walls are removed and used to restore sections of skirting which are damaged or missing from the remaining walls. The smaller rooms will serve as offices, a staffroom and a kitchenette.

The existing ground floor kitchen will be stripped of its equipment and the space will be used for the pay point.

All of the timber work will be restored, including the staircase, the first floor and the window and door frames.

This building contains only one chimney on the southern side, which will house the water pipe for the kitchen on the first floor. The gypsum ceiling will be removed so that the first floor room will be illuminated by the skylight. A track system will hang from the trusses to carry the track lights and hanging displays.

Once again, a floor pattern will be created using coloured cement on the ground and the existing ceramic floor tiles will be salvaged and used to create mosaic details in the floor pattern.

Figure 6.3: Demolition plan

Ground floor demolition plan

1:500

First floor demolition plan

1:500

Demolished walls

Blend of 1:500}

Blend of 1:500

Blend of 1:500

Blend of 1:500
6.3 Design proposal

Reaction to the new function

By integrating the peoples’ skills, the community becomes self-sustaining. The resources and skills in the collaboration complement and reinforce one another. The creative skills of the people are limited to basic craft, but with training, these skills can be refined and with business guidance, these skills will become tools with which a sufficient income-generating career can be built. A platform from which the newly trained craftsmen can sell their works, alongside works of established craftsmen, will create exposure for these new craftsmen and for the workshop as well.

Layers approach

Layers of structure, lighting and display systems will be placed over the old layers. The new layers will be distinctly different from the layers of the original building. Different materials and construction methods create a distinction between old and new layers, so metals (mostly galvanised mild steel) will be used.

The first layer forms the structure on which the following layers will be placed. A system of beams spanning between the trusses will be connected to each other via sliding doors and light tracks. On the walls, there will be more tracks carrying screens, onto which hook-in shelves will be placed.

The second layer comprises the lights. Track spot and pendant lights will provide lighting with a flexible system that can respond to changing needs.

Thirdly, the display screens and mannequins comprise the final layer, onto which the merchandise will be placed.

Different materials

The original buildings’ materials consisted of plastered brick, concrete and timber. As mentioned before, galvanised mild steel has been chosen for the new structures as the cool, smooth feel of metal contrasts with the warm, textured feel of plastered walls. Concept models where used to explore the possibilities of the material. In different forms, namely wire and sheet metal.

Work done with wire was found to be more successful when a welded rod frame was used, around which a thinner wire could be worked. This ensures a higher level of precision and a better end product. Sheet metal will be bent with precision tools in order to ensure a high quality end product. Steel angles and channels are also to be used to create the display systems.

The blank canvas

The focus of the patrons should be on the merchandise; therefore, neutral colours will be used to create the “blank canvas” on which the merchandise will be displayed. To create a distinct branding image, colour plays a vital role. This problem will be overcome by using strong forms and texture to generate an image which is immediately noticeable and undeniably South African.

Figure 6.4: Experiments in wire and metal
Marketing and branding

When designing the branding and marketing of the business, a balance was needed between what the up-market clientele desired and a tendency to lean towards a European image. The image designed for the shop has to incorporate the unique South African flavour that foreigners crave without resorting to gimmicks and clichés. The branding of this shop started with a name that alludes to its genre, Maano.

Name and slogan

The word ‘maano’ means ‘to craft something’ in Northern Sotho. The scheme is crafting more than objects, it’s crafting a community. It’s crafting a place of learning and self empowerment, as well as a place where tourists and locals meet. No longer kept at an appropriate distance until brought together in a dramatised encounter, tourists can now interact with South Africans as they live their daily lives. From this flows the slogan, the core of what can be expected to find here, ‘A creative collaboration for a creative community’.

Font style

Some font styles are well known and therefore, are not sufficiently unique to create a strong image. Others are too visually overpowering and prescriptive, leaving little room for the shop and brand to evolve and to react to its patrons’ needs. Therefore, the font style, Papyrus was chosen for its informality and simplicity. The proportion of the letters does not put strain on the eye, but it still has a recognisable character.

Merchandising

The first concept was rejected due to the fact that having a realistic person as a focal point suggests that the target market is defined by race and sex (Figure 4). In an attempt to erase this subliminal message, an outline of a realistic picture replaced it (Figure 5). A strong focus remained on the person in the image and therefore, the image was cropped so that only the beads, an image strongly related to craft, remained (Figure 6). To this, small images of craft items suggestive of what may be purchased from the Maano shop were added.

A series of stationary was designed, including a business card, handouts and a merchandise label. The handout was made from handmade paper and has the company’s details, slogan and logo printed on it. Handmade paper was chosen as it can be made onsite in the workshop. The design can be used as a template in papercrafting classes and successful projects can be used for promoting the shop. The logo is cropped for the business card so that when the handout and the business card are stapled together, the beads of the logo seem to spill off the handout and onto the business card.

For the merchandise label, the logo has been scaled down to fit onto the card. Some South African Internet shopping websites do not have a physical shop to sell their goods from, such as www.mjvisuals.co.za. These businesses and other craftsmen can sell their goods directly from the Maano shop and full credit will be given to the supplier or craftsman inside the merchandise label (Figure 7). This gives a brief summary of the goals of the business and an open space can be left on which to write the price of the merchandise.
In order to encapsulate the spirit of collaboration, Maano’s website will contain links to a large variety of other websites that support self-empowering communities such as moneybiz.co.za and lovingafrica.co.za (see Appendix C for a copy of the Maano website). Events across the country will be promoted and workshops held at the Maano studio can be booked from here.

Since South Africa is a country where Internet access is a luxury, free Internet access will be made available via Wi-Fi, and two computers will be provided near the coffee bar and will have restricted Internet access. As the focus of the business is not providing Internet access but promoting the collaboration of craftsmen, the two Internet stations will only allow access to the Maano website and its website links.
The first layer to be placed over the existing building fabric is the track structure that will support most of the display and lighting systems. The building was seldom maintained; therefore, the gypsum ceilings are rotting from rainwater damage. The ceilings will, for that reason, be removed to expose the trusses. The condition of the trusses will be evaluated for structural integrity. Should the trusses be found to be unsafe, they will be repaired or replaced depending on the severity of the damage. If the trusses need to be replaced, the new trusses should be replicas of the original ones.

The new truss-suspended track system hangs between the trusses from custom-made, galvanised mild steel hangers. Cold-formed galvanised mild steel channels (100 x 50 x 20) hang perpendicular to the trusses. Channels were chosen above tubes to reduce the load on the trusses.

The subsequent layer will be the tracks. Two existing track systems are to be used to fulfill the requirement of the system. Firstly, two Hillaldam 400 sliding door track systems will be used to hang luminaires, mannequins, clothing rails and other displays from. They will be attached to the channel beams, 600 mm apart. The combined load that the track systems can carry is 800 kg. Secondly, a Match 100 series three-phase track light rail is to be connected to the channel beams between the two Hillaldam tracks.

The above-mentioned tracks serve to strengthen the structure and distribute the load between the steel channel beams.

---

6.5 Design proposal

Track system
Figure 6.13: Hanger on truss detail

Figure 6.14: Components of the Hillaldam sliding door track system

Figure 6.15: Hillaldam 400 sliding door track attached to channel beam
6.6 Design proposal

Lighting

Track lights are to be used in the public spaces and recessed down lights and pendant lights are to be used were needed in offices and amenities.

LTS track lights
A three-phase track system for surface mounting gives the client the flexibility to switch the three circuits off separately. Spotlights are used to direct light onto the displays. The Match 100 Series, low voltage lamp with two coolbeam lamps will be used. It has an integrated electronic transformer with two adjustable light heads that are flexible in all directions. Where an alternative to spotlights is desired, low voltage pendant lights are available to fit the three-phase track light rail. These pendant lights are placed above the coffee bar to indicate a change in function.

Travelling column
The travelling column is a purpose-made lampshade, made of wire and handmade paper. The concept was derived from the columns supporting the first floor. The travelling columns, when placed directly above the structural columns, visually extend through the floor into the first floor space. In order to break away from the rigidity that the structural columns impose on the ground floor interior space, the new columns have been incorporated into the flexible track system. A u-bolt and clamp has been modified by drilling a hole through the clamp to accommodate the Hillaldam 0460 galvanised steel hanger. This is used to attach the travelling column lampshade to the track system. One of the LTS pendant lights will be placed on the three-phase track light rail at the centre of the travelling column, with its own lampshade removed.

Due to the varying light intensity throughout the day, it is important to ensure that the merchandise is sufficiently illuminated at all times, without taking away from the atmosphere created by the natural light. Therefore, directional lights are to be used to give the client control over lighting.

It is important to achieve flexibility in the lighting system. It not only contrasts with the permanence of the existing structure, but allows the business to adapt to the changing desires of the clients and to change according to the available stock. Regularly making changes to the display keeps the shop image fresh and encourages patrons to visit frequently.
In order to maintain the atmosphere created by the natural light, the clothes rail will house the lights needed to illuminate the fashion merchandise.

The clothes rail incorporates the Hafele 1500 mm long, surface-mounted rail light into the track lighting system. A 76.2 x 38 galvanised steel tube is cut in half, making a light beam onto which the light rail can be attached. Holes are drilled into the beam to accommodate two Hillaldam 0460 steel hangs. The electrical wire runs inside the screw on feet and along the top of the u-shaped beam. The LTS “fastening 2” is used to connect the wire to the three-phase track.

Wire coat hangers will be made in the workshop to be sold in the Maano shop, but the circle design will be used exclusively for the Maano fashion display. Coloured glass beads will indicate the size of the garment (small, medium or large) and will correlate with the coloured border of the merchandise label (Figure 6.22).

Of the first concepts, the hanger with the beads in the bottom corner (Figure 6.23) was rejected because this detail would be lost once the clothing was placed on the hanger. There was also a weakness in the construction of the hanger when the two ends of the wire did not meet (Figure 6.18). The weight of the clothing would pull the hanger out of shape, so where the wire would have ended at the beaded circular detail, the wire continues to join the other end of the wire to form a hook (Figure 6.20).
The final design was chosen for the visually strong circular extension that can be easily seen when displaying clothes. The construction was strengthened by bringing the two ends of the wire together to form the hook of the clothes hanger.

In order to emphasise the spatial height, the hook of the clothes hanger was elongated to produce a mass of vertical lines.
The second flexible track system is the screen display system. This system incorporates the existing Hilliardam 100 sliding door track system to mount custom-made screens to the interior walls of the buildings. Bent sheet metal will make hook-in shelves from which the merchandise will be displayed.

Regarding the eastern walls in particular, many large windows make it difficult to use the walls for displays. The screens will make it possible to move the displays in front of or alongside the windows as required. Dishes made of glass beads and gemstones are most attractive when light is shining through them. By placing the screen displaying such items in front of the window, it allows the natural light to illuminate them during the day. At night, spotlights can be directed towards these items so that they can be seen on display from the street.
Figure 6.31: Technical drawings for the construction of the sliding screens

Figure 6.32: Screen detail of backboard being fixed into place

Figure 6.33: Hafele M4 screw and sleeve
This system is designed for sliding doors where the bottom rail is inserted into the floor to preserve a level threshold. Normally used as a side fixing bracket, it will be used to attach the bottom channel to the wall. The top rail is designed to carry the load so these brackets will be sufficient to simply hold the bottom rail in place.

Although the 19S channel would be sufficient, the slightly larger 25S channel was chosen because the above mentioned bracket’s shortest side is 25mm and will result in a neater finish.
6.8 Design proposal

Sliding panel display

This system will support shelves that will display books, therefore the aluminium profile is chosen for its higher maximum load-bearing capacity of 20 kg. White melamine was chosen because its neutral character will not distract from the merchandise. In order to give the system a unique branding, custom-made connecting panels and shelves were designed.

The shelf design was based on a traditional fabric still worn in Ghana by royalty, because of its easily recognizable ‘African’ character. As the pattern is broken down to its most basic component, one is left with an ‘L’-shaped building block.

The shape and proportion of this building block dictated the form of the shelves. The shelves are fitted with hook-in elements and can slide into the desired composition. The composition may take the shape of the textile pattern or disintegrate into a less formal arrangement.

The connecting panels are designed as the entry point for the shelves’ hook-in elements and will finish off the edges of the panels. They will be of similar construction to the panels, being made of chipboard coated with melamine on both sides. The branding image these connecting panels create is strengthened by colouring them the orange colour that dominates the textiles which inspired this design.

A standard shop fitting system called Deko-Wall from Hafele was used as a basis for the sliding bookshelf design. The system consists of 966 x 2 542 x 19 mm-thick panels, which are made of chipboard coated with melamine on both sides. The panels have horizontal grooves (88 mm apart), which are fitted with aluminium or PVC profile to stabilise them and serve to mount the hook-in elements.

Figure 6.38: Book corner in Maano

Figure 6.39: Pattern found on textiles from Ghana.

Figure 6.40: Concept model indicating shelves in pattern

Figure 6.41: Conceptual model showing formal and informal shelf configurations.

Figure 6.42: Diagram showing the Hafele Deco-wall with custom-made connector panels

Figure 6.43: Custom made top shelf and sliding shelves.

Figure 6.44: Hafele sliding ladder with track

Figure 6.45: Patern found on textiles from Ghana.

Figure 6.46: Deko-Wall from Hafele
The sliding ladder was chosen over the hook-in ladder because it is easier to move along the length of the wall.

A: Runner track
B: Connection plate
C: Track holder for transverse screw mounting

Figure 6.46: Components of the Hafele sliding ladder system.
Technical drawings

Figure 6.47: Section A-A

1:500
The urban context has dictated that a pedestrian spine is appropriate for development on Paul Kruger Street which will encourage commercial activities along this urban spine. The response to the physical context is guided by the buildings architecture. The front facade has been restored to its original appearance to preserve its distinctive architectural style and use of local material. The remaining structure is of little architectural value which has allowed more freedom changes.

Steel and aluminium track systems are used for the display and lighting systems respectively. The result is that maximum flexibility has been achieved and a clear distinction between the old and the new has been established. The sliding screens cover the walls, creating a new layer on the building envelope. Lighting tracks emphasise the repetition of the trusses and luminaries can be directed where additional light is required.

The combination of activities is suited to the collaboration of people with various skills within the same genre of industry and a support structure is in place for individuals to develop their skills and businesses.
Educational institutions are listed according to street address, numbered in correlation to the map of educational institutions found in Chapter 2.1 and colour-coded in accordance with the type of institution.
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**Vermeulen**

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Existing building analysis

This appendix lists only the existing building materials found onsite according to structure, building and interior space.
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<td><strong>Substructure</strong></td>
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</table>
| Foundation wall | Main building  
(Figure 1 & 2) | Stone | 780x170 elev. |
| | Closed in verandah  
(Figure 3) | Red brick | 220x105x75 |
| **Superstructure** | | |
| Stone cladding  
(Figure 5) | Northern Building: Northern & Western Facades | Stone | Stone cladding is applied to the wall where the stone plinth is not of a satisfactory visual standard. 780x170 elev. |
| | Pedestrian walkway  
(Figure 15) | Precast concrete slabs | Various sizes |
| | Brick walls | All Buildings on property  
(Figures 1, 3 & 6) | Red Brick | Standard 220x105x75 |
| | Venestration  
(Figure 7) | Western facade: Ground floor | Timber Frame | |
| | | First Floor  
(Figure 8) | Aluminium frame (not original) | Brown |
| | Doors | Western facade  
(Figure 14 & 15) | Timber frame | |
| | Column | Southern building ground floor  
(Figure 11) | Reinforced concrete | |
| | Pillar | Western facade  
(Figure 9) | Base painted brown | |
| | Brackets | | Timber | |
| | Cornice profiles | Fixed on western facade and partly on northern and eastern facades  
(Figure 12) | Concrete | |
| | Roof | All Buildings on property  
(Figures 4 & 5) | S-profile corrugated sheets | |
Interior Finishes:  
Ground floor:

Mzinto's Kitchen  
(Corner building)

Floor  
(Figure 19)
Ceramic tiles  
300x300  
Light grey & dark blue

Wall  
(Figure 16)
Painted plastered  
peach

Wall tiles  
Yellow with green leaf motif

Skirting  
Painted timber  
200x18, Dark blue

Ceiling  
(Figure 17)
Painted Oregon pine boards  
white

Decorative ceiling center  
(Figure 17)
Painted pressed steel  
Dark Blue

Cornice  
Painted timber  
A water based white paint

Figure 7.16: Counter with mosaic finish and pendant lights
Figure 7.17: Painted Oregon Pine ceiling with pressed steel decorative ceiling center
Figure 7.18: Cornice detail
Figure 7.19: 300 x 300 light grey and blue ceramic tiles

Muti shop  
(Southern building)

Floor  
Vinyl floor tiles  
Blue, yellow & green

Wall  
Plastered and painted brick  
Light green

Skirting  
None  
N/A

Pillar  
Plastered and painted brick  
Light green

Ceiling  
Gypsum board  
A water based white paint

Figure 7.20: Two beams and gypsum ceiling in Muti shop
Figure 7.21: Vinyl floor and wall detail
Figure 7.22: Cornice detail
### WHERE | MATERIAL | DESCRIPTION
--- | --- | ---
Cash loans (Southern building) | Floor | Carpet tiles | Dark grey
 | Wall | Plastered and painted brick | Peach
 | Brick | Later addition |
 | Skirting | Painted timber | 108x18, peach
 | Pillar | Plastered and painted reinforced concrete | Peach
 | Ceiling | Gypsum board | A water based white paint

### STORAGE (Southern building) | WHERE | MATERIAL | DESCRIPTION
--- | --- | --- | ---
 | Floor | Wall-to-wall carpet | Damaged Grey brown carpet
 | Wall | Painted plaster | A water based peach coloured paint
 | Skirting | none | n.a.
 | Pillar | Painted plaster | A water based white paint
 | Ceiling | Gypsum board | A water based white paint
 | Cornice | Painted timber | Painted with a white water based paint

---

Figure 7.23: The Cash loans shop where the original internal wall has been partially removed
Figure 7.24: Detail of gypsum ceiling, original wall and brick curtain wall
Figure 7.25: Timber window detail
Figure 7.26: View of entrance

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Figure 7.27: Detail of pillar
Figure 7.28: Detail of window and cornice
Figure 7.29: Damaged carpets laid on uneven surface
### Interior Finishes: Methodist Church (Corner Building)

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<td>Timber, 200x18, pale blue oil-based paint</td>
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<td><strong>Ceiling</strong></td>
<td>Gypsum board, water-based white paint</td>
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<tr>
<td><strong>Cornice</strong></td>
<td>Timber, light blue oil-based paint</td>
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**Figure 7.30:** Church Hall on first floor of corner building

**Figure 7.31:** Gypsum ceiling with trap door and fluorescent tube light fixture

**Figure 7.32:** Skirting detail

**Figure 7.33:** Dry wall and carpet detail

### Interior Finishes: Apartments (Southern Building)

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<td>Wall-to-wall carpets various</td>
</tr>
<tr>
<td><strong>Koitchen floor</strong></td>
<td>Ceramic floor tiles 150x150, White</td>
</tr>
<tr>
<td><strong>Wall</strong>: Living area :</td>
<td>Water-based paint</td>
</tr>
<tr>
<td>: Bedroom</td>
<td>: White</td>
</tr>
<tr>
<td><strong>Skirting</strong></td>
<td>Timber, 200x18, pale blue</td>
</tr>
<tr>
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</tr>
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