



PROJECT Private Residence

ARCHITECT Tony Bente

LOCATION Sandhurst

Johannesburg
South Africa

MATERIAL/S 2 500m

Golden Dawn Sandstone

Honed







Golden Dawn Sandstone Lines



Golden Dawn Sandstone Flowers







PROJECT Bank City

ARCHITECT Revel Fox

LOCATION Simmonds Street

Johannesburg South Africa

MATERIAL/S 24 000m²

Paarl Grey Flamed

10 000m² Nero Impala® Polished







Paarl Grey



Nero Impala®







PROJECT Anglovaal Head Office

ARCHITECT Louis Carol

LOCATION 2 Arnold Road

2 Arnold Road Rosebank Johannesburg South Africa

MATERIAL/S 4 500m

4 500m² Giallo Duna Flamed

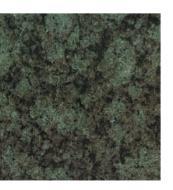
1 500m² Verde SK Polished



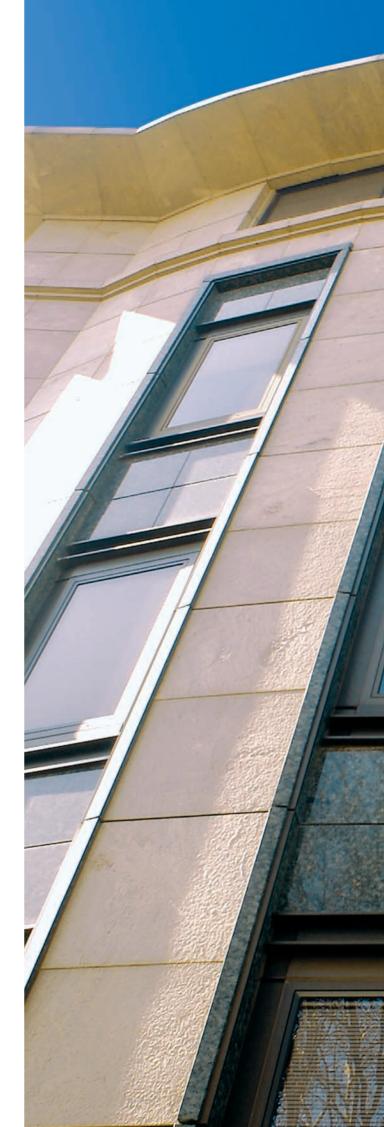




Giallo Duna



Verde SK





PROJECT **Castle Wall** 

**Osmond Lange** ARCHITECT

LOCATION **Melrose Arch** 

Melrose Johannesburg South Africa

MATERIAL/S 4 500m<sup>2</sup>

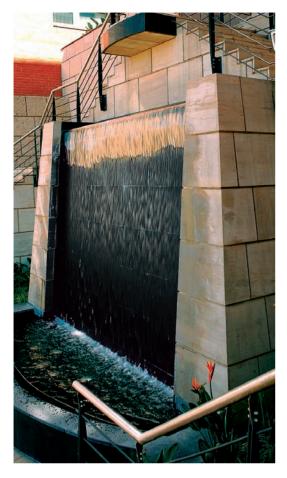
Golden Dawn Sandstone

**Hand Hewn** 

100m<sup>2</sup>

Zimbabwe Black Polished





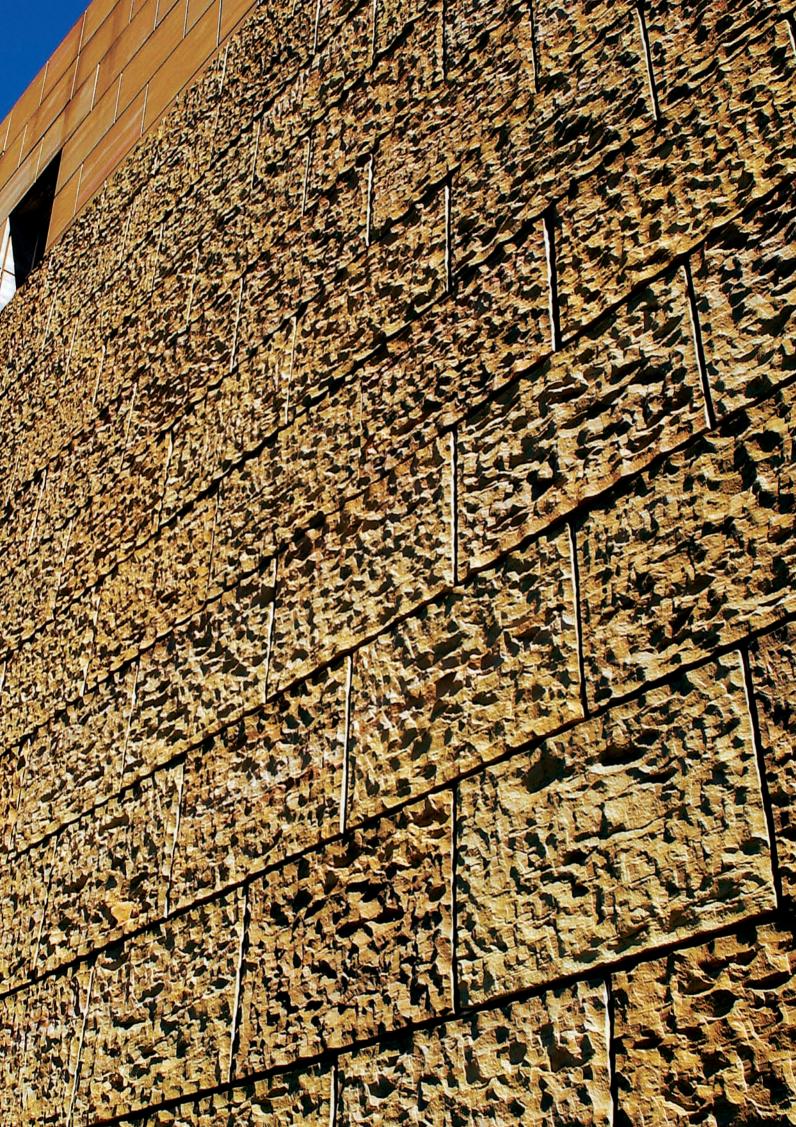


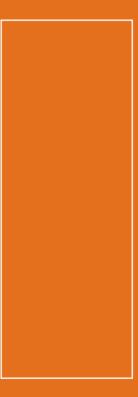
Golden Dawn Sandstone Lines



Zimbabwe Black







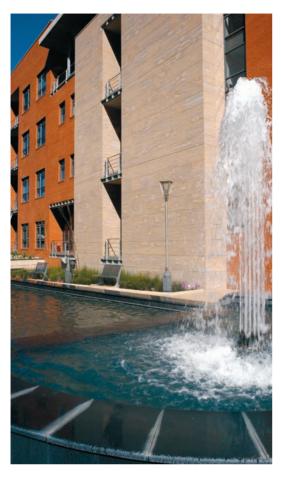
Stanlib

TC Design

17 Melrose Boulevard Melrose Arch Melrose Johannesburg South Africa

900m² Golden Dawn Sandstone Honed







Golden Dawn Sandstone Lines







PROJECT Polifin

ARCHITECT Boogertman Krige

LOCATION 56 Grosvenor Road

Bryanston Johannesburg South Africa

MATERIAL/S **5 700m**<sup>2</sup>

Golden Dawn Sandstone

Honed

500m² Giallo Duna Polished







Golden Dawn Sandstone Lines



Giallo Duna





Nedcor Bank Head Office

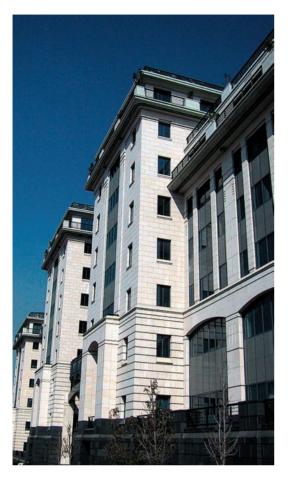
Manfred Hermer Grosskopf and Lombard

135 Rivonia Road Sandton Johannesburg South Africa

23 000m² Moka Crème Limestone Honed

2 500m² Nero Impala® Honed







Moka Crème Limestone



Nero Impala®







PROJECT Momentum Head Office

ARCHITECT Boogertman Krige

LOCATION 268 West Avenue

Centurion Pretoria South Africa

MATERIAL/S 5 100m<sup>2</sup>

Golden Dawn Sandstone

Honed

1 200m² Giallo Duna Polished



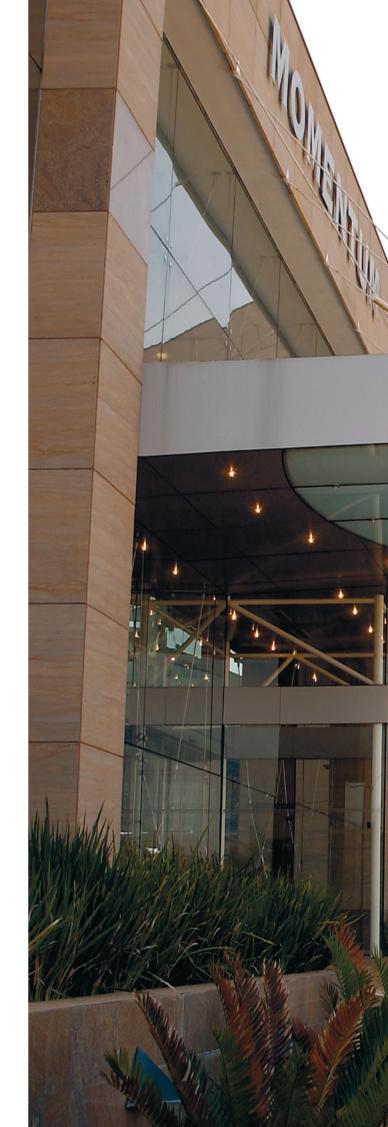




Golden Dawn Sandstone Lines



Giallo Duna







PROJECT Mediterranean **Shipping Company** 

ARCHITECT **Ellens and Whitfield** 

51 Grayston Drive Sandton LOCATION

Johannesburg South Africa

MATERIAL/S 4 000m<sup>2</sup>

**African Red** Polished

500m² Zimbabwe Black Polished







African Red



Zimbabwe Black





Anglo American Head Office PROJECT

ARCHITECT **RFB Consulting Architects** 

55 Marshall Street Johannesburg South Africa LOCATION

MATERIAL/S 7 500m²

Golden Dawn Sandstone Honed

1 500m<sup>2</sup> Verde Mare Polished

South West African Marble Polished







Golden Dawn Sandstone Lines





Rand Merchant Bank

Boogertman Krige

Fredman Drive Sandton Johannesburg South Africa

MATERIAL/S

7 800m² Nero Impala® Polished

1 200m² Giallo Duna Polished



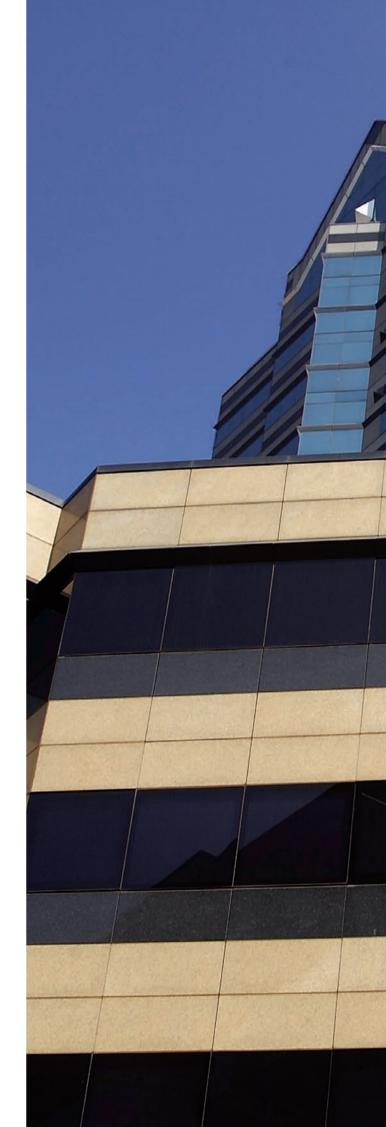




Nero Impala®



Giallo Duna





PROJECT Johannesburg
Stock Exchange

ARCHITECT TPC Architects

LOCATION 2 Gwen Lane

2 Gwen Lane Sandton Johannesburg South Africa

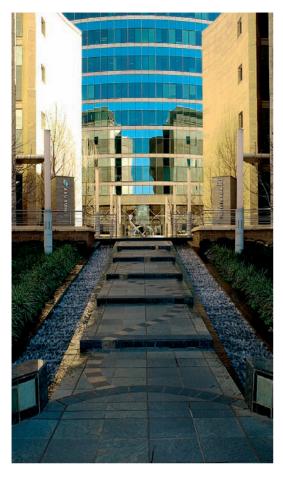
MATERIAL/S 11 650m

11 650m² Golden Dawn Sandstone

Honed

350m² Giallo Duna Polished







Golden Dawn Sandstone Lines



Giallo Duna









## THE VENTILATED FACADE

The ventilated façade system is a practical solution for cladding external walls while simultaneously creating insulation and protection against underlying concrete or brick efflorescence. It is a fully reliable multi-layer mechanical building system characterised by a "moving air chamber" between the wall and the cladding. This insulating "chamber" is created by means of a closed joint face construction which results in vertical circulation of air due to the "chimney" effect.

The design team at Minaco Contracts has developed a ventilated façade specifically for the application of natural stone. This mechanical system uses a metal frame, usually aluminium, to transfer the horizontal and vertical loads back to the core of the building. Substantial brackets are anchored into the core by means of stainless steel anchor bolts manufactured from 304(A2) stainless steel to ISO and DIN specification and positioned strategically to support vertical mullions running from the bottom to the top of the wall to be clad. Horizontal rails are fixed to the mullions at intervals appropriate for the size of the natural stone modules. All the brackets, mullions and rails applied by Minaco are made of aluminium and produced in accordance with guidelines and recommendations given in the "Code of Practice for: Design and Installation of Natural Stone Cladding and Living" – British Standards Specification BS 8298:1994.

The outside finishing layer consists of natural stone panels produced within a 2 mm to 3 mm tolerance in length or width and a 1 mm tolerance in thickness. Panels are selected and laid out before fixing to ensure colour uniformity and are grooved at the top and bottom edges for slotting into the horizontal rail framework. Each section is thus supported independently without any weight bearing on the lower levels. The joints between these panels can either be filled with a silicone sealant or left open.

The separate elements of the ventilated façade are thus summarised as follows:

- 1. Anchored brackets and bolts
- 2. Damp proofing/insulation (if specified)
- 3. Vertical mullions
- 4. Horizontal load bearing rails
- 5. Natural stone panels

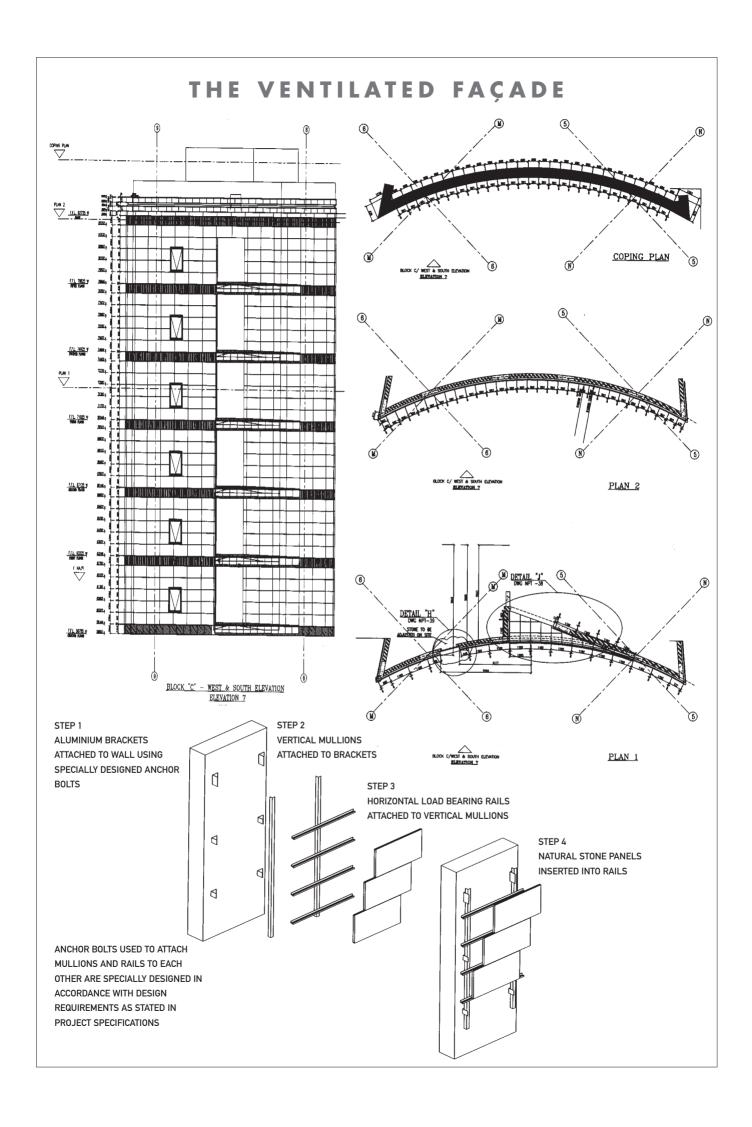
Minaco's ventilated façade allows for virtually any shape to be incorporated into the system including curves. In order to incorporate curves, the natural stone panels are reduced in width and facetted on the general shape of the curve or especially cut in a curved shape. In this way it is possible to change the appearance of a plain concrete core into an architectural showpiece.

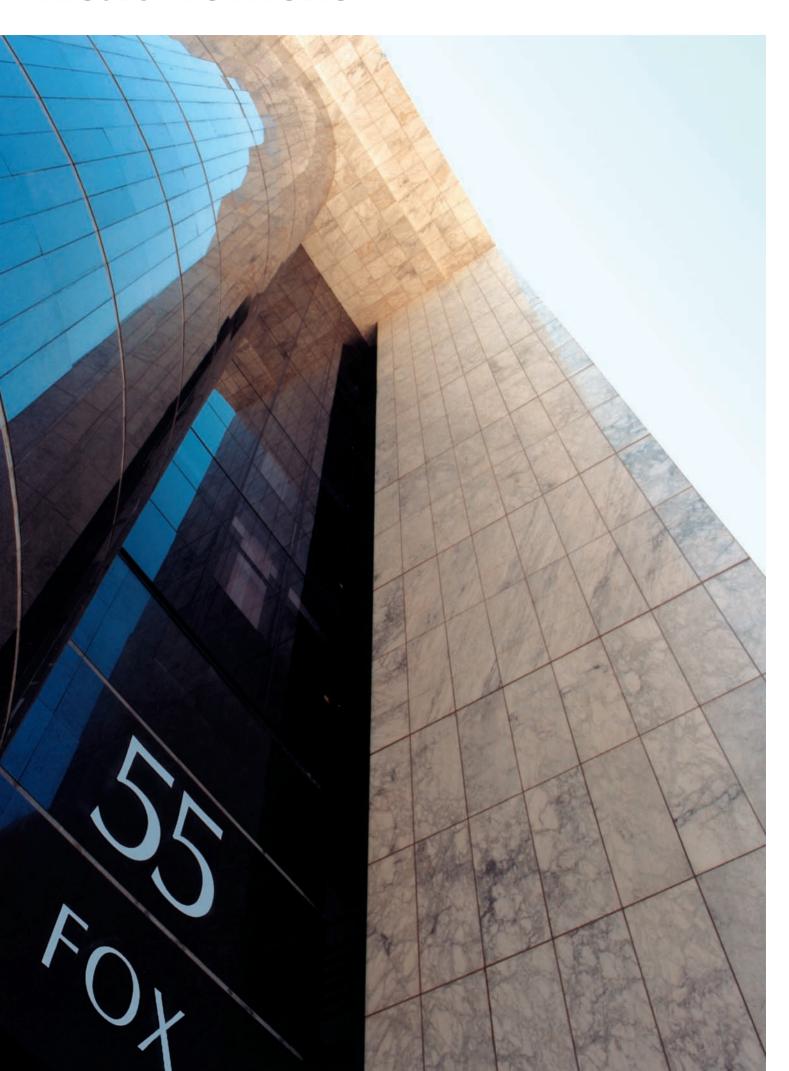
There are numerous advantages to using the ventilated façade in addition to architectural enhancements, namely:

- Protection against rain, water, frost penetration and pollution corrosion
- Dispersion of dampness and humidity
- Improved sound proofing and insulation
- Energy saving due to reduced heat dispersion
- Concealment of unsightly wiring and piping
- No deterioration of appearance or structural integrity over time
- Reduced maintenance costs

Minaco treats each project independently. Therefore support structure elements, brackets, mullions, rails, anchors and fasteners are designed and engineered into a unique solution in accordance with project specification to achieve the best results.







Right PROJECT

**First National Bank** 

Tyrwhitt Avenue LOCATION

Rosebank **Johannesburg** South Africa

MATERIAL/S 2 000m<sup>2</sup>

Bianco Carrara

**Polished** 



Right PROJECT **Farringdon Court** 

LOCATION **Farringdon Road** 

London England

4 000m<sup>2</sup> MATERIAL/S

**Paarl Grey** Flamed

1 500m<sup>2</sup> **African Red Polished** 



Left

**PROJECT** Invested

LOCATION 55 Fox Street **Johannesburg** 

South Africa

MATERIAL/S 3 500m<sup>2</sup>

**South West African Marble Polished** 



Left

PROJECT The Palace Hotel

LOCATION Lost City

Pilanesberg South Africa

MATERIAL/S 8 000m<sup>2</sup>

Crema Valencia

**Polished** 

2 000m² Rosso Verona Polished



Left

PROJECT Lansdowne House

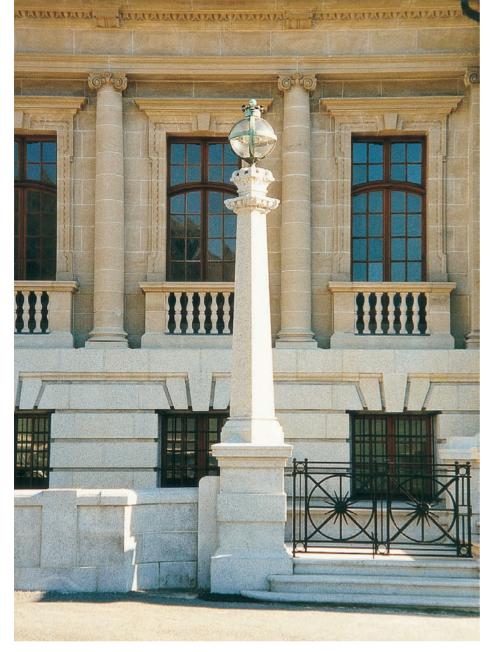
LOCATION Lansdowne Road

Croydon England

MATERIAL/S 1 500m<sup>2</sup>

Paarl Grey Flamed

1 500m² Rosa Duna Polished





Left

PROJECT Parliament Buildings

LOCATION Parliament Street

Cape Town South Africa

MATERIAL/S 6 000m<sup>2</sup>

Golden Dawn Sandstone

Honed

2 100m² Paarl Grey Flamed

Below

PROJECT Private Residence

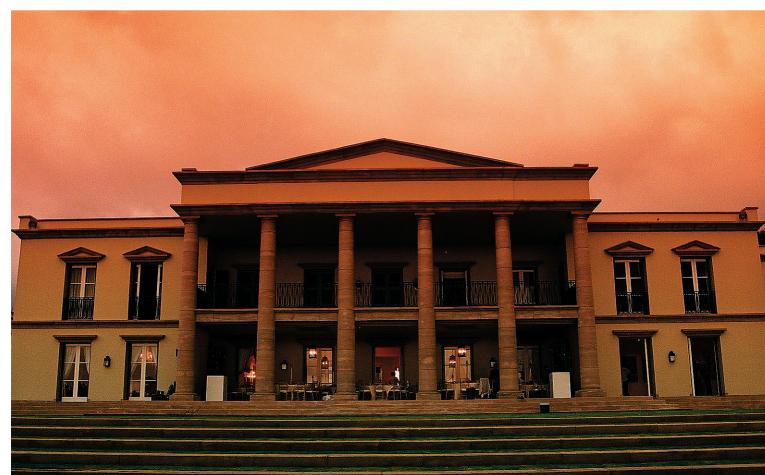
LOCATION Sandhurst

Johannesburg South Africa

MATERIAL/S 2 500m²

Golden Dawn Sandstone

Honed





Left

**PROJECT Safmarine** 

**Head Office** 

LOCATION 22 Riebeek Street

**Cape Town** South Africa

2 200m<sup>2</sup> MATERIAL/S Rosa Duna

**Polished** 

900m<sup>2</sup>

Nero Impala® Polished

Below

PROJECT **Sandton Sun Hotel** 

LOCATION 5th Street

Sandton Johannesburg **South Africa** 

MATERIAL/S 4 800m<sup>2</sup>

Calacatta Polished

500m<sup>2</sup> **African Red Polished** 



Right PROJECT Church of

**Jesus Christ** of Latter Day

Saints

LOCATION 57 Independence

Avenue Osu Accra Ghana

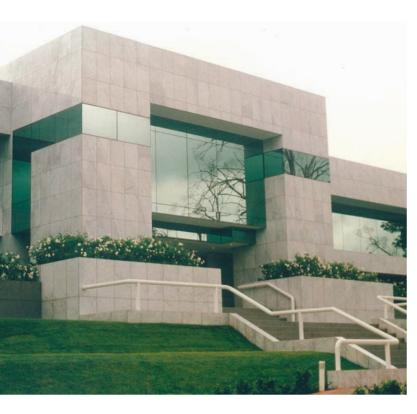
MATERIAL/S 2 800m<sup>2</sup>

Namibian Pearl

Honed







Left

PROJECT Wierda Place

LOCATION 64 Wierda Road East

Wierda Valley Sandton Johannesburg South Africa

MATERIAL/S 3 500m<sup>2</sup>

Bianco Carrara Polished

Below

PROJECT TA Bank Centre

LOCATION 160 Jan Smuts Avenue

Rosebank Johannesburg South Africa

MATERIAL/S 3 500m<sup>2</sup>

Giallo Duna Polished

500m<sup>2</sup>

**Moka Crème Limestone** 

Polished





Left

PROJECT South Quay Plaza

LOCATION Marsh Wall

Docklands London England

MATERIAL/S

3 000m² Nero Impala®

Flamed

1 000m<sup>2</sup> Paarl Grey Flamed

Below

PROJECT

**Sandton Towers Hotel** 

LOCATION 5th Street

Sandton Johannesburg South Africa

MATERIAL/S

3 000m² Giallo Duna Polished

1 500m² Zimbabwe Black Polished



Right PROJECT **Triton Square** 

LOCATION **Euston Road** 

**Regents Place** London **England** 

MATERIAL/S 4 000m<sup>2</sup>

Zimbabwe Black

Polished



Right PROJECT JCI House

LOCATION 28 Harrison Street

Johannesburg South Africa

MATERIAL/S 2 800m<sup>2</sup>

**Paarl Grey** Polished

800m<sup>2</sup> Nero Impala® Polished

500m<sup>2</sup> Bianco Carrara **Polished** 

400m<sup>2</sup> Cippolino Polished

Left

**PROJECT Bowman Gilfillan Head Office** 

165 West Street LOCATION

Sandton **Johannesburg** South Africa

MATERIAL/S 1 054m<sup>2</sup>

Golden Dawn Sandstone Polished & honed





Left PROJECT **Assore House** 

LOCATION 15 Fricker Road

Illovo

Johannesburg South Africa

MATERIAL/S 4 000m<sup>2</sup>

Cape Red Polished



Left

PROJECT Standard Bank

LOCATION 156 5th Street

Sandton Johannesburg South Africa

MATERIAL/S 4 000m<sup>2</sup>

Calacatta Polished

800m<sup>2</sup>

Bianco Carrara Polished

Right PROJECT **Church of Jesus Christ** of Latter Day Saints

LOCATION **Temple Road** 

Aba Nigeria

MATERIAL/S 4 000m<sup>2</sup>

Namibian Pearl

Honed

Below PROJECT

**Supreme Court** 

LOCATION **2 Bird Street Central** 

Port Elizabeth South Africa

2 300m<sup>2</sup> MATERIAL/S

Namaqua Fantasia

Honed

700m<sup>2</sup>

Nero Impala® Flamed





#### **PROJECT HISTORY**

| Port Louis, Mauritius  MATERIAL/S Giallo Namib, Zimbabwe Black MA  | OCATION 57 Independence Avenue, Osu, Accra, Ghana MATERIAL/S Namibian Pearl  |
|--|--|
| LOCATION 10 Mirambo Street, LO Dar-es-Salaam, Tanzania   | Civitas  CATION Cnr Andries and Struben Streets, Pretoria, South Africa  Nero Impala®, Paarl Grey  |
| LOCATION Cnr Gulioni and Malawi Roads, LO Stonetown, Zanzibar  | ROJECT Clifton Ridge House DCATION Ridge Road, Clifton, Cape Town, South Africa MATERIAL/S Golden Dawn Sandstone   |
| PROJECT State Bank of Mauritius PROJECT LOCATION Place Margeot, Roal Road, LO Rosehill, Mauritius  MATERIAL/S African Red, Nero Impala®,   | ROJECT Deeds Office Control Co |
| PROJECT Bowman Gilfillan Head Office PROJECT LOCATION 165 West Street, Sandton, LO Johannesburg, South Africa  | ROJECT Private Residence  Sandhurst, Johannesburg, South Africa  ATERIAL/S Golden Dawn Sandstone, Olive Green®,  |
| Port Louis, Mauritius LO MATERIAL/S Volakas  | Statuario, Zimbabwe Black  ROJECT Stanlib  17 Melrose Boulevard, Melrose Arch, Melrose, Johannesburg, South Africa  MATERIAL/S Golden Dawn Sandstone   |
| Latter Day Saints LOCATION Temple Road, Aba, Nigeria MATERIAL/S Namibian Pearl  Church of Jesus Christ of Latter Day Saints PRO LOCATION Aba, Nigeria MATERIAL/S Namibian Pearl  | ROJECT State Bank of Mauritius  COCATION Royal Road, Curepipe, Mauritius  ATERIAL/S African Red, Nero Impala®, Paarl Grey, Zimbabwe Black  |
| Johannesburg, South Africa LO MATERIAL/S Eureka  | ROJECT United States Embassy DCATION 877 Pretorius Street, Pretoria, South Africa  |
| LOCATION Cape Town, South Africa PROJECT PROJE | ATERIAL/S Namibian Pearl, Rosa Beta  ROJECT Assore House  DCATION 15 Fricker Road, Illovo, Johannesburg, South Africa  |
| LOCATION Iris Road, Bedfordview,  Johannesburg, South Africa  MATERIAL/S Sapile  MATERIAL/S Sapile   | ATERIAL/S Cape Red  ROJECT F1 External Façade  DCATION Melrose Arch, Melrose,  Johannesburg, South Africa  |
| MATERIAL/S Giallo Duna, Giallo Namib, Golden Dawn Sandstone  | ATERIAL/S Golden Dawn Sandstone  ROJECT Mediterranean Shipping Company  1 Mediterranean Street, Foreshore, Cape Town, South Africa   |
| LOCATION Glasgow, Scotland PROMETERIAL/S Cape Red LO  PROJECT Castle Wall  | AFRICAL/S African Red  ROJECT Nedcor Bank Head Office  135 Rivonia Road, Sandton,  Johannesburg, South Africa  |
| LOCATION Melrose Arch, Melrose, Johannesburg, South Africa MATERIAL/S Golden Dawn Sandstone, Zimbabwe Black  | ATERIAL/S Moka Crème Limestone, Nero Impala®  ROJECT Triton Square  DOCATION Euston Road, Regents Place, London, England  ATERIAL/S Zimbabwe Black   |

|  |  | AND DESCRIPTION OF A PERSON OF |  |
|--|--|--|--|
| PROJECT  | Johannesburg Stock Exchange                                | PROJECT  | Norwich Lakeside Mall                              |
| LOCATION   | 2 Gwen Lane, Sandton,                                      | LOCATION   | Tom Jones Street,                                  |
|  | Johannesburg, South Africa                                 |  | Benoni, South Africa                               |
| MATERIAL/S   | Giallo Duna, Golden Dawn Sandstone,                        | MATERIAL/S   | African Red, Blue Pearl,                           |
| Marie III  | Olive Green®   |  | South West African Marble                          |
| PROJECT  | Peregrine  | PROJECT  | Persequor  |
| LOCATION   | 6A Sandown Valley Crescent, Sandton,                       | LOCATION   | 1 Quintin Brand Street,                            |
|  | Johannesburg, South Africa                                 | STATE OF STA | Pretoria, South Africa                             |
| MATERIAL/S   | Zimbabwe Black   | MATERIAL/S   | African Red, Belfast Black, Travertine,            |
| STATE OF THE PARTY | c  |  | Zimbabwe Black                                     |
| PROJECT<br>LOCATION  | Sandown Mews<br>88 Stella Street, Sandton,                 | PROJECT  | Polifin  |
| LOCATION   | Johannesburg, South Africa                                 | LOCATION   | 56 Grosvenor Road, Bryanston,                      |
| MATERIAL/S   | Verde SK   | LOCATION   | Johannesburg, South Africa                         |
|  |  | MATERIAL/S   | Giallo Duna, Golden Dawn Sandstone                 |
| PROJECT  | Centrica   | The state of the s |  |
| LOCATION   | Edinburgh, Scotland  | PROJECT  | South African Post Office Ltd                      |
| MATERIAL/S   | Black Satin  | LOCATION   | Nationally throughout South Africa Rosso Siena     |
| PROJECT  | Marlin Head Office   | MATERIAL/S   | KOSSO SIENO  |
| LOCATION   | 21 Impala Road, Chislehurston, Sandton,                    | PROJECT  | Private Residence                                  |
| The state of the   | Johannesburg, South Africa                                 | LOCATION   | Johannesburg, South Africa                         |
| MATERIAL/S   | Giallo Duna, Golden Dawn Sandstone,                        | MATERIAL/S   | Golden Dawn Sandstone, Travertine,                 |
|  | Nero Impala®, Olive Green®,                                | Marine Co. S.  | Zimbabwe Black                                     |
|  | Virginia Mist, Zimbabwe Black                              | PROJECT  | Private Residence                                  |
| PROJECT  | Momentum Head Office                                       | LOCATION   | Cape Town, South Africa                            |
| LOCATION   | 268 West Avenue, Centurion,                                | MATERIAL/S   | Golden Dawn Sandstone                              |
|  | Pretoria, South Africa                                     | PROJECT  | Provincial Legislature Building                    |
| MATERIAL/S   | Giallo Duna, Golden Dawn Sandstone                         | LOCATION   | Nobengula Street,                                  |
| PROJECT  | Bank City - Fountain                                       | LOCATION   | Kimberley, South Africa                            |
| LOCATION   | Simmonds Street,   | MATERIAL/S   | African Red, Bianco Cardinale,                     |
|  | Johannesburg, South Africa                                 |  | Nero Impala®                                       |
| MATERIAL/S   | Nero Impala®   | PROJECT  |  |
| PROJECT  | Factory Complex  | PROJECT<br>LOCATION  | South Quay Plaza Marsh Wall, Docklands,            |
| LOCATION   | Atlanta, USA   | LOCATION   | London, England                                    |
| MATERIAL/S   | Golden Dawn Sandstone, Olive Green®                        | MATERIAL/S   | Nero Impala®, Paarl Grey                           |
| Telephone and  |  | D4 145   |  |
| PROJECT  | Hilton Hotel   | PROJECT  | The Glen Shopping Centre                           |
| LOCATION   | Cnr Walnut and Ordnance Roads,                             | LOCATION   | Cnr Letaba and Orpen Roads, Oakdene,               |
| MATERIAL/S   | Durban, South Africa Bianco Carrara, Blue Pearl, Botticino | MATERIAL/S   | Johannesburg, South Africa Capricorn, Rosso Verona |
| MAILKIAL/ 3  | Classico, Golden Dawn Sandstone,                           | MAILKIAL/ 3  | Capricorn, Rosso Verona                            |
|  | Nero Impala®, Portoro, Verde SK,                           | PROJECT  | Tiber Chelsea                                      |
|  | Zimbabwe Black   | LOCATION   | Cnr Stella and West Streets, Sandton,              |
| DDOLECT  |  | AAATEDIAL (C   | Johannesburg, South Africa                         |
| PROJECT  | Johannesburg International Airport                         | MATERIAL/S   | Rosa Duna  |
| LOCATION   | Kempton Park, Johannesburg, South Africa                   | PROJECT  | Welgevonden Lodge                                  |
| MATERIAL/S   | Bertanie, Parys  | LOCATION   | Vaalwater,   |
|  |  |  | Waterberg, South Africa                            |
| PROJECT  | Maria Rashid Mission                                       | MATERIAL/S   | Zimbabwe Black                                     |
| LOCATION   | Newcastle, South Africa                                    | PROJECT  | Adamson & Nielsen                                  |
| MATERIAL/S   | Golden Dawn Sandstone                                      | LOCATION   | 42 4th Street, Wynberg,                            |
| PROJECT  | Munich Reinsurance   |  | Johannesburg, South Africa                         |
| LOCATION   | 47 Empire Road, Parktown,                                  | MATERIAL/S   | Zimbabwe Black                                     |
|  | Johannesburg, South Africa                                 | PROJECT  | Auto & General Headquarters                        |
| MATERIAL/S   | Blue Pearl, Giallo Duna,                                   | LOCATION   | Barry Hertzog Avenue, Auckland Park,               |
|  | Golden Dawn Sandstone                                      |  | Johannesburg, South Africa                         |
| PROJECT  | Northmead Square   | MATERIAL/S   | Zimbabwe Black                                     |
| LOCATION   | Cnr 14th Avenue and  | PROJECT  | Boundary Terrace                                   |
|  | O'Reilly Merry Street,                                     | LOCATION   | Campground Road, Newlands,                         |
|  | Benoni, South Africa                                       |  | Cape Town, South Africa                            |
| MATERIAL/S   | Rosso Siena  | MATERIAL/S   | Zimbabwe Black                                     |
| The state of the s |  |  |  |

#### **PROJECT HISTORY**

Zimbabwe Black

|  |  |                        | TO THE REAL PROPERTY.  |
|--|--|------------------------|--|
| PROJECT  | Celestino Hotel                                      | PROJECT                | Rand Merchant Bank - Quad  |
| LOCATION   | Pretoria, South Africa                               | LOCATION               | Fredman Drive, Sandton,  |
| MATERIAL/S   | Nero Impala®   | MATERIAL/S             | Johannesburg, South Africa African Red, Giallo Duna,                       |
| PROJECT  | Dunkeld Office Park                                  | TVV (TEI(I) (E) O      | Nero Impala®, Prairie Black  |
| LOCATION   | 6 North Road, Dunkeld,<br>Johannesburg, South Africa | PROJECT                | Standard Bank  |
| MATERIAL/S   | Rojo Alicante, Verde Guatemala,                      | LOCATION               | 156 5th Street, Sandton,   |
|  | Zimbabwe Black                                       |                        | Johannesburg, South Africa   |
| PROJECT  | Eastgate Office Park                                 | MATERIAL/S             | Bianco Carrara, Calacatta  |
| LOCATION   | Ernest Oppenheimer Avenue, Bruma,                    | PROJECT                | TA Bank Centre   |
| MATERIAL/S   | Johannesburg, South Africa<br>Kashmir White          | LOCATION               | 160 Jan Smuts Avenue, Rosebank,<br>Johannesburg, South Africa              |
| The second   |  | MATERIAL/S             | Giallo Duna, Moka Crème Limestone  |
| PROJECT<br>LOCATION  | Edenburg Terraces 348 10th Avenue, Rivonia,          | PROJECT                | The Forum  |
| 200/11011  | Johannesburg, South Africa                           | LOCATION               | Maude Street, Sandton,   |
| MATERIAL/S   | Nero Impala®   |                        | Johannesburg, South Africa   |
| PROJECT  | Ferndale Office Park                                 | MATERIAL/S             | Giallo Duna  |
| LOCATION   | Cnr Oak Avenue and Harding Street,                   | PROJECT                | Wierda Place   |
| MATERIAL/S   | Ferndale, Randburg, South Africa Prairie Black       | LOCATION               | 64 Wierda Road East, Wierda Valley,<br>Sandton, Johannesburg, South Africa |
| The state of the s |  | MATERIAL/S             | Bianco Carrara   |
| PROJECT<br>LOCATION  | Firmenich Cnr 16th and Pharmaceutical Roads,         | PROJECT                | 5 Sturdee Avenue   |
| LOCATION   | Midrand, South Africa                                | LOCATION               | Rosebank,  |
| MATERIAL/S   | Nero Impala®   |                        | Johannesburg, South Africa   |
| PROJECT  | First National Bank                                  | MATERIAL/S             | Namibian Pearl, Rosa Duna  |
| LOCATION   | Tyrwhitt Avenue, Rosebank,                           | PROJECT                | Centurion Crescent   |
| MATERIAL/S   | Johannesburg, South Africa Bianco Carrara            | LOCATION               | Lenchen Avenue, Centurion, Pretoria, South Africa                          |
| A STATE OF THE PARTY OF THE PAR |  | MATERIAL/S             | Black Slate, Rosso Siena   |
| PROJECT<br>LOCATION  | Grace Hotel 54 Bath Avenue, Rosebank,                | PROJECT                | Church Street  |
| 200/11014  | Johannesburg, South Africa                           | LOCATION               | Pretoria, South Africa   |
| MATERIAL/S   | African Red, Rockwell Pink,                          | MATERIAL/S             | Nero Impala®   |
| THE PARTY OF THE P | Verdefontein   | PROJECT                | Corporate Place  |
| PROJECT  | JP Morgan  | LOCATION               | 23 Fredman Drive, Sandton,   |
| LOCATION   | Maude Street, Sandton, Johannesburg, South Africa    | MATERIAL/S             | Johannesburg, South Africa Filetto Rosso                                   |
| MATERIAL/S   | Giallo Duna  | THE RESERVE TO SERVE   |  |
| PROJECT  | Mauritius Union Assurance                            | PROJECT<br>LOCATION    | Enoch Sontonga Memorial Graf Street, Braamfontein,                         |
| LOCATION   | Plaine Laizun,                                       |                        | Johannesburg, South Africa   |
| AAATEDIAL (C   | Port Louis, Mauritius                                | MATERIAL/S             | Belfast Black  |
| MATERIAL/S   | Nero Impala®, Verde SK                               | PROJECT                | Fedhealth Office Park  |
| PROJECT<br>LOCATION  | Max City Cnr Remy Ollier and Louis Pasteur Streets,  | LOCATION<br>MATERIAL/S | Johannesburg, South Africa Verdefontein                                    |
| LOCATION   | Port Louis, Mauritius                                |                        |  |
| MATERIAL/S   | Verde SK   | PROJECT<br>LOCATION    | Grarick Estates Olivia Building, Primrose Hill,                            |
| PROJECT  | Metropolitan Life                                    | LOCATION               | Johannesburg, South Africa   |
| LOCATION   | Mispel Road, Bellville,                              | MATERIAL/S             | Botticino Fiorito  |
| MATERIAL/S   | Cape Town, South Africa Golden Dawn Sandstone        | PROJECT                | Hunts End - Blocks 1 & 2   |
| The second second  |  | LOCATION               | 36 Wierda Road West, Wierda Valley,  |
| PROJECT<br>LOCATION  | Phokeng Shopping Centre Rustenburg, South Africa     | MATERIAL/S             | Sandton, Johannesburg, South Africa Paarl Grey, Verdefontein               |
| MATERIAL/S   | Prairie Black  |                        |  |
| PROJECT  | Private Residence                                    | PROJECT<br>LOCATION    | MTN Executive Offices Alice Lane, Sandton,                                 |
| LOCATION   | Johannesburg, South Africa                           |                        | Johannesburg, South Africa   |
| MATERIAL/S   | White Koelea   | MATERIAL/S             | Eureka, Nero Impala®, Rojo Alicante,                                       |
| PROJECT  | Private Residence                                    |                        | Star Galaxy, Zimbabwe Black  |
| LOCATION   | Johannesburg, South Africa                           |                        |  |
| MATERIAL/S   | South West African Marble,                           |                        |  |

| DDOJECT                           | Name of Conday Village   | DDOILCI                           | ICHIANA (Canada)   |
|-----------------------------------|--|-----------------------------------|--|
| PROJECT<br>LOCATION               | Norwood Garden Village 69 Hamlin Street, Norwood,                                      | PROJECT<br>LOCATION               | JCI House (Gencor) 28 Harrison Street,   |
| MATERIAL/S                        | Johannesburg, South Africa<br>African Red, Namaqua Fantasia                            | MATERIAL/S                        | Johannesburg, South Africa<br>Bianco Carrara, Cippolino,   |
| PROJECT<br>LOCATION<br>MATERIAL/S | Orchid Towers 20 Sir William Newton Street, Port Louis, Mauritius Rosa Duna            | PROJECT<br>LOCATION               | Nero Impala®, Paarl Grey  Libridge Parkade  Ameshoff Street, Braamfontein,  Johannesburg, South Africa |
| PROJECT                           | Pinmill Farm - Block F   | MATERIAL/S                        | Tropical Sun   |
| LOCATION  MATERIAL/S              | 164 Katherine Street, Sandton, Johannesburg, South Africa Bianco Carrara, Nero Impala® | PROJECT<br>LOCATION               | Mauritius Telecom Centre Edith Cavell Street, Port Louis, Mauritius                                    |
| PROJECT<br>LOCATION               | Q Data – Blocks A, B & C<br>789 16th Road, Randjies Park,<br>Midrand, South Africa     | MATERIAL/S  PROJECT LOCATION      | Nero Impala®  Mediterranean Shipping Company 51 Grayston Drive, Sandton,                               |
| MATERIAL/S                        | Balmoral Red, Giallo Duna  |                                   | Johannesburg, South Africa   |
| PROJECT<br>LOCATION               | Rand Merchant Bank – Towers<br>Fredman Drive, Sandton,                                 | MATERIAL/S PROJECT                | Old Mutual Centre  |
| MATERIAL/S                        | Johannesburg, South Africa<br>Giallo Duna, Nero Impala®                                | LOCATION  MATERIAL/S              | 300 Smith Street, Durban, South Africa African Red, Golden Dawn Sandstone                              |
| PROJECT<br>LOCATION               | The Mosque Kerk Street, Johannesburg, South Africa                                     | PROJECT<br>LOCATION               | Portuguese Welfare Society 219 3rd Street, Albertskroon,   |
| MATERIAL/S                        | African Red  | MATERIAL/S                        | Johannesburg, South Africa Prairie Black   |
| PROJECT<br>LOCATION               | Town Square 50 Buitenkant Street, Cape Town, South Africa                              | PROJECT<br>LOCATION               | Rand Merchant Bank – West Crescent<br>Fredman Drive, Sandton,  |
| MATERIAL/S                        | African Red  | MATERIAL/S                        | Johannesburg, South Africa<br>Giallo Duna  |
| PROJECT<br>LOCATION               | UAL Offices Newton Street, Killarney, Johannesburg, South Africa                       | PROJECT<br>LOCATION               | Standard Bank 5 Simmonds Street,   |
| MATERIAL/S                        | Golden Dawn Sandstone, Travertine, Zimbabwe Black                                      | MATERIAL/S                        | Johannesburg, South Africa Paarl Grey, Rojo Alicante, Zimbabwe Black                                   |
| PROJECT<br>LOCATION               | Woolworths 45 Kerk Street,   | PROJECT                           | Cabanas Hotel  |
| MATERIAL/S                        | Johannesburg, South Africa<br>African Lilac, African Red, Nero Impala®                 | LOCATION<br>MATERIAL/S            | Sun City, Pilanesberg, South Africa<br>Rosso Verona  |
| PROJECT<br>LOCATION               | Anglovaal Head Office 2 Arnold Road, Rosebank, Johannesburg, South Africa              | PROJECT<br>LOCATION               | Gallagher Estate 19 Richards Drive, Midrand, South Africa  |
| MATERIAL/S                        | Giallo Duna, Verde SK  | MATERIAL/S                        | Bianco Carrara, Verde Guatemala  |
| PROJECT<br>LOCATION               | Fedlife Sturdee Avenue, Rosebank, Johannesburg, South Africa                           | PROJECT<br>LOCATION<br>MATERIAL/S | Main Hotel Sun City, Pilanesberg, South Africa Rosso Verona  |
| MATERIAL/S                        | Botticino Classico, Pesca Classico,<br>Verdefontein                                    | PROJECT<br>LOCATION               | Metropolitan Life<br>391 Smith Street,   |
| PROJECT<br>LOCATION               | Frans Indongo Gardens Bulow Street,  | MATERIAL/S                        | Durban, South Africa<br>African Red  |
| MATERIAL/S                        | Windhoek, Namibia<br>Namibian Pearl, Rosa Duna   | PROJECT<br>LOCATION               | South African Reserve Bank 57 West Street, Newtown,  |
| PROJECT<br>LOCATION               | Gateway II 90 Rivonia Road, Sandton,   | MATERIAL/S                        | Johannesburg, South Africa<br>Bianca Carrara, Verde Mare   |
| MATERIAL/S                        | Johannesburg, South Africa Giallo Duna, Namibian Pearl, Prairie Black                  | PROJECT<br>LOCATION               | South African Reserve Bank 25 Burg Street, Cape Town, South Africa                                     |
| PROJECT<br>LOCATION               | Genbel<br>3A Summit Road, Dunkeld West,  | MATERIAL/S                        | Namibian Pearl   |
| MATERIAL/S                        | Johannesburg, South Africa African Red, Belfast Black, Travertine, Zimbahwe Black      |                                   |  |

Zimbabwe Black

## **PROJECT HISTORY**

|                       |  | STATE OF THE PARTY OF THE |   |
|-----------------------|--|---------------------------|---|
| PROJECT               | Carlton Hotel  | PROJECT                   | 85 on Field   |
| LOCATION              | Cnr Main and Kruis Streets,  | LOCATION                  | 85 Field Street,  |
|                       | Johannesburg, South Africa   |                           | Durban, South Africa  |
| MATERIAL/S            | African Red  | MATERIAL/S                | Belfast Black, Paarl Grey   |
| PROJECT               | Investec   | PROJECT                   | Anglo American Head Office  |
| LOCATION              | 55 Fox Street,   | LOCATION                  | 55 Marshall Street,   |
| LOCATION              | Johannesburg, South Africa   | LOCATION                  | Johannesburg, South Africa  |
| MATERIAL/S            | South West African Marble  | MATERIAL/S                | Golden Dawn Sandstone,  |
| 2000                  |  | W (IER) (E) O             | South West African Marble, Verde Mare   |
| PROJECT               | Mauritius Commercial Bank  |                           |   |
| LOCATION              | 9-15 Sir William Newton Street,  | PROJECT                   | Private Residence   |
| ALATERIAL (C          | Port Louis, Mauritius  | LOCATION                  | Pretoria, South Africa  |
| MATERIAL/S            | Belfast Black, Namibian Pearl  | MATERIAL/S                | Golden Dawn Sandstone   |
| PROJECT               | Medcor Building  | PROJECT                   | Sable Place   |
| LOCATION              | John Kennedy Street,   | LOCATION                  | 1A Stan Road, Sandton,  |
|                       | Port Louis, Mauritius  |                           | Johannesburg, South Africa  |
| MATERIAL/S            | Belfast Black, Namibian Pearl,   | MATERIAL/S                | Travertine, Verdefontein  |
| THE STATE OF          | Nero Impala®   | PROJECT                   | United States Embassy   |
| PROJECT               | SRK House  | LOCATION                  | 877 Pretorius Street,   |
| LOCATION              | 265 Oxford Road, Illovo,   |                           | Pretoria, South Africa  |
|                       | Johannesburg, South Africa   | MATERIAL/S                | Nero Impala®, Rosso Gamma   |
| MATERIAL/S            | Nero Impala®, Verdefontein   | PROJECT                   | Victoria Maine  |
| PROJECT               | Sandton Towers Hotel   | LOCATION                  | 71 Victoria Embankment,   |
| LOCATION              | 5th Street, Sandton,   |                           | Durban, South Africa  |
|                       | Johannesburg, South Africa   | MATERIAL/S                | African Red   |
| MATERIAL/S            | Giallo Duna, Zimbabwe Black  | DROJECT                   | Pauls City  |
| PROJECT               | Sanlam Parkade   | PROJECT<br>LOCATION       | Bank City Simmonds Street,  |
| LOCATION              | 208-212 Jeppe Street,  | LOCATION                  | Johannesburg, South Africa  |
| 200/1101              | Johannesburg, South Africa   | MATERIAL/S                | Nero Impala®, Paarl Grey  |
| MATERIAL/S            | Bianco Carrara   |                           |   |
| DDOILCE               | State Bank of Mauritius  | PROJECT<br>LOCATION       | Bank City - Blocks A, B, C & E  |
| PROJECT<br>LOCATION   | Quatre Bornes, Mauritius   | LOCATION                  | Simmonds Street, Johannesburg, South Africa   |
| MATERIAL/S            | Belfast Black, Nero Impala®  | MATERIAL/S                | Bianco Carrara, Nero Impala®,   |
| STATE OF THE PARTY OF | The second of th | WINIERIAL) 5              | Paarl Grey  |
| PROJECT               | State Archives   | PROJECT                   |   |
| LOCATION              | 72 Roeland Street,   | PROJECT                   | Botsalano House   |
| MATERIAL/S            | Cape Town, South Africa Nero Impala®, Paarl Grey,  | LOCATION                  | Main Mall, Gaborone, Botswana   |
| MAILKIAL/ 5           | Zimbabwe Black   | MATERIAL/S                | Nero Impala®  |
| The state of the      |  | O' STATE OF THE PARTY OF  |   |
| PROJECT               | JHI House  | PROJECT                   | Farringdon Court  |
| LOCATION              | 11 Cradock Avenue, Rosebank,   | LOCATION                  | Farringdon Road,  |
| MATERIAL/S            | Johannesburg, South Africa South West African Marble, Verdefontein   | MATERIAL/S                | London, England African Red, Paarl Grey   |
| The second second     |  | 13 13                     | ARRIVED THE PARTY OF THE PARTY |
| PROJECT               | Natal Building Society   | PROJECT                   | Lansdowne House   |
| LOCATION              | 303 West Street,   | LOCATION                  | Lansdowne Road,   |
| AAATEDIAL (C          | Durban, South Africa   | AAATEDIAL (C              | Croydon, England  |
| MATERIAL/S            | Giallo Duna  | MATERIAL/S                | Paarl Grey, Rosa Duna   |
| PROJECT               | Safmarine Head Office  | PROJECT                   | South African Reserve Bank  |
| LOCATION              | 22 Riebeek Street,   | LOCATION                  | 8 Commercial Road,  |
| AAATERIAL (O          | Cape Town, South Africa  | AAATERIA (O               | Durban, South Africa  |
| MATERIAL/S            | Nero Impala®, Rosa Duna  | MATERIAL/S                | Paarl Grey, Rosa Porrino  |
| PROJECT               | Surrey House   | PROJECT                   | 9 Marylebone Lane   |
| LOCATION              | 35 Rissik Street,  | LOCATION                  | London, England   |
|                       | Johannesburg, South Africa   | MATERIAL/S                | Belfast Black, Giallo Duna  |
| MATERIAL/S            | Belfast Black, Nero Impala®, Verde Mare  | PROJECT                   | Old Mutual Centre   |
| PROJECT               | The Palace Hotel   | LOCATION                  | 35 Pritchard Street,  |
| LOCATION              | Lost City, Pilanesberg, South Africa   |                           | Johannesburg, South Africa  |
| MATERIAL/S            | Crema Valencia, Rosso Verona   | MATERIAL/S                | African Red   |
|                       |  | Table 1997                |   |

| PROJECT<br>LOCATION               | South Quay Plaza<br>Marsh Wall, Docklands,<br>London, England  | PROJECT<br>LOCATION               | Sanlam Towers 208-212 Jeppe Street, Johannesburg, South Africa  |
|-----------------------------------|--|-----------------------------------|---|
| MATERIAL/S                        | Nero Impala®, Paarl Grey,<br>Zimbabwe Black  | MATERIAL/S                        | Bianco Carrara  |
| PROJECT<br>LOCATION               | Southern Life Centre 8 Riebeek Street,   | PROJECT<br>LOCATION               | Sandton Sun Hotel 5th Street, Sandton, Johannesburg, South Africa                                       |
| MATERIAL/S                        | Cape Town, South Africa South West African Marble  | MATERIAL/S                        | African Red, Calacatta  |
| PROJECT<br>LOCATION               | Standard Bank Administration Centre 5 Simmonds Street, Johannesburg, South Africa                          | PROJECT<br>LOCATION<br>MATERIAL/S | Cape Sun Hotel Strand Street, Cape Town, South Africa Rosa Aurora, Serpeggiante,                        |
| MATERIAL/S                        | Belfast Black, Paarl Grey  | 3000                              | Travertine, Verde Guatemala   |
| PROJECT<br>LOCATION<br>MATERIAL/S | Standard Bank Centre Heerengracht, Cape Town, South Africa African Red                                     | PROJECT<br>LOCATION<br>MATERIAL/S | Cascades Hotel Sun City, Pilanesburg, South Africa Rosso Verona   |
| PROJECT<br>LOCATION               | Whitefriars Fleet Street, London, England  | PROJECT<br>LOCATION<br>MATERIAL/S | Corpus Christi Building<br>Corpus Christi, Texas, USA<br>Nero Impala®                                   |
| PROJECT<br>LOCATION               | Monderiz, Nero Impala®  Cradock Place 10 Arnold Road, Rosebank, Johannesburg, South Africa                 | PROJECT<br>LOCATION<br>MATERIAL/S | Warner Centre Plaza<br>21650 Oxnard Street, Canoga Park,<br>Los Angeles, USA<br>Nero Impala®            |
| MATERIAL/S PROJECT                | South African Reserve Bank   | PROJECT<br>LOCATION               | Fountain Houston, USA   |
| MATERIAL/S                        | 370 Church Street, Pretoria, South Africa Belfast Black  | MATERIAL/S PROJECT LOCATION       | Nero Impala®  Opera House 320 Pretorius Street,   |
| PROJECT<br>LOCATION               | Land Bank 192 Visagie Street, Pretoria, South Africa   | MATERIAL/S PROJECT                | Pretoria, South Africa Paarl Grey President Place   |
| MATERIAL/S                        | Nero Impala®   | LOCATION                          | Jan Smuts Avenue, Rosebank,   |
| PROJECT<br>LOCATION               | Liberty Life 66 Jorissen Street, Braamfontein,   | MATERIAL/S                        | Johannesburg, South Africa<br>Balmoral Red, Belfast Black   |
| MATERIAL/S                        | Johannesburg, South Africa Tropical Sun  | PROJECT<br>LOCATION               | Nedbank<br>100 Main Street,   |
| PROJECT<br>LOCATION<br>MATERIAL/S | OK Bazaars Pretoria, South Africa Nero Impala®, Parys  | MATERIAL/S PROJECT                | Johannesburg, South Africa Travertine ABSA  |
| PROJECT<br>LOCATION               | Parliament Buildings Parliament Street, Cape Town, South Africa  | LOCATION  MATERIAL/S              | 88 Main Street, Johannesburg, South Africa Tropical Sun   |
| PROJECT<br>LOCATION               | Golden Dawn Sandstone, Paarl Grey  1066 Building 35 Prichard Street,                                       | PROJECT<br>LOCATION               | Supreme Court  2 Bird Street Central, Port Elizabeth, South Africa                                      |
| MATERIAL/S                        | Johannesburg, South Africa African Red   | MATERIAL/S                        | Namaqua Fantasia, Nero Impala®  |
| PROJECT<br>LOCATION<br>MATERIAL/S | Mobil House Cape Town, South Africa Balmoral Red   | PROJECT<br>LOCATION<br>MATERIAL/S | Civitas Building Cnr Andries and Struben Streets, Pretoria, South Africa Namaqualand Onyx, Nero Impala® |
| PROJECT<br>LOCATION<br>MATERIAL/S | Tiger Oats Cnr Gwen Lane and Fredman Drive, Sandton, Johannesburg, South Africa Balmoral Red, Rosa Porrino | PROJECT<br>LOCATION<br>MATERIAL/S | Department of Interior 77 Harrison Street, Johannesburg, South Africa Nero Impala®                      |
| PROJECT<br>LOCATION               | Post Office 280 Smit Street, Joubert Park,   |                                   |   |

Johannesburg, South Africa

Nero Impala®

MATERIAL/S



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