PROPOSED ALTERATIONS AND ADDITIONS ON
NO. 33 GROOM STREET,
VERULAM HERITAGE CENTRE

DOOR, WINDOW & GATE
SCHEDULE
S372 - WD 005 REV 1

13 NOVEMBER 2015
ISSUED FOR
INFORMATION
DOOR SCHEDULE

DOOR TYPE : D1

2 No. OFF

1813

75

7575

75

FLUSH BOLT

HINGES BY DOOR MANUFACTURER

BACK TO BACK PULL HANDLES
EUROPROFILE DOUBLE CYLINDER & ROLLER CATCH
PURPOSE MADE ALUMINIUM DOOR & FRAME.

FLUSH BOLT WITH DUST EXCLUDING SOCKET

DESCRIPTION :
PURPOSE MADE 2032 x 1813 NATURAL ANODISED ALUMINIUM DOUBLE DOOR IN TWO EQUAL LEAVES WITH FLUSH MEETING STILES AND DIVIDED INTO GLAZED SECTIONS AS SHOWN

FRAME :
NATURAL ANODISED ALUMINIUM FRAME TO SUIT DOOR AND HINGES

HINGES :
1.5 PAIRS ALUMINIUM SINKLESS HINGES TO SUIT DOOR

GLAZING :
6mm SAFETY GLAZED PANEL TO DOOR AS SHOWN

IRONMONGERY :
2 PAIRS DORMA DPH206 400x62 STAINLESS STEEL "T" SHAPED OFFSET BACK-TO-BACK PULL HANDLES
DORMA D07535 35mm BACKSET NARROW STILE DEADLOCK & ROLLER BOLT
DORMA DDC06501 NICKEL PLATED 65mm FIVE PIN EURO PROFILE DOUBLE CYLINDER
2 No. HOWICK H460 180x20mm ALUMINIUM LEVER ACTION FLUSH BOLT - TOP AND BOTTOM
2 No. HALSTEAD 166 CABIN HOOKS 100mm SATIN CHROME - ONE PER LEAF

SIGNAGE :
TO FUTURE DETAIL

GENERAL NOTES:
DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
ANY DISCREPANCIES ON THIS DRAWING ARE TO BE REPORTED TO THE OFFICE OF THE ARCHITECT PRIOR TO CONSTRUCTION.
ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.
ALL QUANTITIES ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PLACING ORDERS.
ALL UNDERCUTTING OF DOORS IS TO DC CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.
DOOR SCHEDULE

DESCRIPTION:
PURPOSE MADE 2032 x 900 NATURAL ANODISED ALUMINIUM SINGLE DOOR WITH GLAZED PANELS AS SHOWN

FRAME:
NATURAL ANODISED ALUMINIUM FRAME TO SUIT DOOR AND HINGES

HINGES:
1.5 PAIRS ALUMINIUM SINKLESS HINGES TO SUIT DOOR

GLAZING:
6mm SAFETY GLAZED PANEL TO DOOR AS SHOWN

IRONMONGERY:
1 PAIR DORMA DPXK01G 120x15mm "U" SHAPED STAINLESS STEEL BACK-TO-BACK PULL HANDLES
DORMA D07935 35mm BACKSET NARROW STILE DEADLOCK & ROLLER BOLT
DORMA DDC056501 NICKEL PLATED 65mm FIVE PIN EURO PROFILE DOUBLE CYLINDER
DORMA DDS-SS-017 STAINLESS STEEL DOOR STOP

SIGNAGE:
TO FUTURE DETAIL

GENERAL NOTES:
DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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ANY DISCREPANCIES ON THIS DRAWING ARE TO BE REPORTED TO THE OFFICE OF THE ARCHITECT PRIOR TO CONSTRUCTION.
ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.
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ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.
**DOOR SCHEDULE**

| DESCRIPTION | CHUBB "MONITOR" CATEGORY 1 STRONGROOM DOOR COMPLETE WITH ALL FITTINGS AND IRONMONGERY AS SUPPLIED BY MANUFACTURER ZINC CHROMATE RUST RESISTANT GREY PRIMER IN READINESS FOR THE APPLICATION OF 2 COATS EGGSHELL ENAMEL COLOUR. ALL TO MANUFACTURERS SPECIFICATION. |
| FRAME : | STANDARD CHUBB FRAME TO BE FIXED TO WALL WITH 32mm DIAMETER CYLINDRICAL BOLT ZINC CHROMATE RUST RESISTANT GREY PRIMER IN READINESS FOR THE APPLICATION OF 2 COATS EGGSHELL ENAMEL COLOUR. ALL TO MANUFACTURERS SPECIFICATION. |
| HINGES : | SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER |
| GLAZING: | N/A |
| IRONMONGERY : | SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER |
| SIGNAGE : | N/A |

**GENERAL NOTES:**

Door swings and positions to be calculated from the door reference plans. All dimensions are to be checked on site by the contractor prior to construction. Any discrepancies on this drawing are to be reported to the office of the architect prior to construction. All aluminium and steel is to be isolated from one another to prevent galvanic action. All quantities are to be checked on site by the contractor prior to placing orders. All undercutting of doors is to be calculated from mechanical detailed construction drawings. All shop front doors are to be AAAMSA approved.
SECURITY DOORS
Technical Data Sheet No. SD 3/04

DESCRIPTION

Bitcon Security Doors consist of the “Anti-Bandit”, “Polar®” and “Hippo®” doors, each designed to fulfill a specific security function. The doors comprise a reinforced bullet resistant core to suit the security application, with a veneer or steel finish, stainless steel channel surround and a stainless steel stile to the leading edge of the door to limit access to the locking mechanism.

ANTI-BANDIT DOOR

The “Anti-Bandit” door is designed to protect personnel and equipment vulnerable to small armed attack and fulfill the requirements of the S.A.B.S. test standard 1658-1996 for the weapons and ammunition detailed overleaf. Applications - Offices, banking halls, internal doors of private residences and embassies. The “Anti-Bandit” door also has a 105 minute fire rating.

POLAR® & HIPPO® DOORS

The “Polar®” & “Hippo®” doors are designed for external and internal use to protect personnel and equipment in high security areas. They fulfill the requirements of the S.A.B.S. test standard 1658-1996 for the weapons and ammunition detailed overleaf. Typical applications - Access doors to control buildings, power stations, sub stations, embassies, diplomatic residences and financial institutions.

See overleaf for specifications.

DOOR FINISHES

Veneered plywood with stainless steel channel surround.

FRAMES

The frames are pressed from 3mm steel sheet or galvanised sheet and formed to a double rebated profile with a 54mm x 20mm rebate.

HINGES

The doors are fitted to the frame with a heavy duty continuous gear hinge which eliminates the gap between the door and frame, thus preventing the door from being pried open or removed.

VIEWING PANEL (Optional Extra)

A viewing panel consisting of a 300mm x 200mm x 38mm bullet-resistant glass with a stainless steel frame surround can be fitted. The design of the frame surround is such that the frame cannot be unscrewed from the attack side of the door. Viewing panels may only be fitted to Anti-Bandit and Polar doors.

IRONMONGERY

The doors are fitted with a single, or double if required, security lock with key operation externally and thumb turn release internally. 300mm Pull handles are fitted to both sides of the door.

INSTALLATION

The door and frame is supplied as a unit and must be installed square, true and plumb with the door in the closed position. The leading bottom edge of the door must be wedged to support the vertical load of the door on the frame. The wedge should not be removed until the brickwork is satisfactorily cured.
DOOR SIZES
813/900/ 1000 x 2032 H. Security doors are not manufactured in double leaf format.

DOOR WEIGHTS
Anti-Bandit  87 kg/m².
Polar® Door  110kg/m².
Hippo® Door  116 kg/m².

ATTACK RESISTANCE LEVELS
Anti-intrusion doors are designed to protect personnel and equipment vulnerable to armed attack. These doors are designed to withstand various levels of assault. The doors resist the weapons and ammunition detailed below as tested in accordance with S.A.B.S. test standard 1658-1996 and comply with the British Standards Organisation BS5051.

ANTI-BANDIT DOOR

<table>
<thead>
<tr>
<th>AMMUNITION</th>
<th>WEIGHT OF PROJECTILE</th>
<th>WEAPON</th>
<th>VELOCITY (m/sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>.22 High Velocity Solid Lead</td>
<td>2.6g</td>
<td>.22 long rifle</td>
<td>330</td>
</tr>
<tr>
<td>.38 Lead</td>
<td>10.2g</td>
<td>.38 revolver</td>
<td>260</td>
</tr>
<tr>
<td>9mm Full Metal Jacket</td>
<td>8.0g</td>
<td>9mm 4&quot; Barre Revolver (Std. Velocity)</td>
<td>360</td>
</tr>
<tr>
<td>9mm Full Metal Jacket</td>
<td>8.0g</td>
<td>9mm 4&quot; Barre Revolver (Std. Velocity)</td>
<td>440</td>
</tr>
<tr>
<td>.44 Lead Point</td>
<td>15.6g</td>
<td>.44 Magnum Revolver</td>
<td>425</td>
</tr>
<tr>
<td>.357 Semi Metal Jacket</td>
<td>10.2g</td>
<td>.357 Magnum Revolver</td>
<td>425</td>
</tr>
<tr>
<td>.357 Armour-Piercing</td>
<td>9.0g</td>
<td>.357 Magnum Revolver</td>
<td>420</td>
</tr>
</tbody>
</table>

POLAR® SECURITY DOOR

<table>
<thead>
<tr>
<th>AMMUNITION</th>
<th>WEIGHT OF PROJECTILE</th>
<th>WEAPON</th>
<th>VELOCITY (m/sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All above plus:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AK 47 Ball</td>
<td>7.9g</td>
<td>AK 47 Rifle</td>
<td>748</td>
</tr>
<tr>
<td>7.62 (.308) Full Metal Jacket</td>
<td>9.7g</td>
<td>Nato FN / R1 Rifle</td>
<td>850</td>
</tr>
<tr>
<td>5.56 (.223) Full Metal Jacket</td>
<td>3.56g</td>
<td>R4 Rifle</td>
<td>960</td>
</tr>
</tbody>
</table>

HIPPO SECURITY DOOR

<table>
<thead>
<tr>
<th>AMMUNITION</th>
<th>WEIGHT OF PROJECTILE</th>
<th>WEAPON</th>
<th>VELOCITY (m/sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All above plus:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.56 Armour-Piercing</td>
<td>3.56g</td>
<td>R4 Rifle</td>
<td>960</td>
</tr>
</tbody>
</table>

HEAD OFFICE - 9 Jansen Road, Jet Park
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Tel: (011) 823-1238/9  Fax: (011) 823-2434
BITCON NATAL - Tel: (031) 564-1252  Fax: (031) 564-1355
BITCON CAPE - Tel: (021) 905-4474  Fax: (021) 905-4476
EASTERN CAPE - Tel: (041) 581-0420/2  Fax: (041) 581-0414
BOTSWANA - Tel: (011) 826-2537  Fax: (011) 826-2538

* Registered Trade Name

Whilst every precaution is taken in the preparation of this pamphlet, which describes our standard product at the time of going to press. It is not to be considered as binding in details unless confirmed by us. We reserve the right to make any alterations without notice.
DESCRIPTION:
2032x900x40mm SEMI - SOLID CORE TIMBER SINGLE DOOR WITH MASONITE VENEER PRIMED AND PAINTED WITH 2 FINISHING COATS APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURES SPECIFICATIONS OR EQUAL APPROVED COLOUR. REFER TO FINISHES SCHEDULES.

FRAME:
HARDWOOD TIMBER REBATED DOOR JAMB TO SUIT WALL THICKNESS AND DOOR

HINGES:
1½ PAIRS DORMA DB-SS-009 102x75x3mm STAINLESS STEEL RISING BUTT HINGES TO ALLOW DOORS TO SWING CLOSED

GLAZING:
N/A

IRONMONGERY:
DORMA DMWC-SS-008 BATHROOM/WC DEADLOCK (SMALL CASE) WITH EREBUS ADJUSTABLE ROLLER BOLT
DORMA DWC-006 STAINLESS STEEL WC INDICATOR WITH 79mm TURN KNOB FOR PHYSICALLY IMPAIRED
1 PAIR DORMA DPH-0301G 150x18mm "D" SHAPED BACK TO BACK PULL HANDLES WITH 200x200x1.2mm GRADE 304 STAINLESS STEEL BACKPLATES WITH DRILLED HOLES FOR COUNTERSUNK FIXINGS TO BOTH SIDES
DORMA DSH-SS-031-B STAINLESS STEEL COAT HOOK WITH WALL BUFFER

SIGNAGE:
DORMA DSS-133 STAINLESS STEEL 150x150 DISABLED WC SIGN
DORMA DSS-131 STAINLESS STEEL 150x150 FEMALE WC SIGN
DORMA DSS-130 STAINLESS STEEL 150x150 MALE WC SIGN

GENERAL NOTES:
DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
ANY DISCREPANCIES ON THIS DRAWING ARE TO BE REPORTED TO THE OFFICE OF THE ARCHITECT PRIOR TO CONSTRUCTION.
ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.
ALL QUANTITIES ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PLACING ORDERS.
ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.
**DESCRIPTION:** 2032x813x40mm HARDWOOD TIMBER BATTEN SINGLE DOOR, PREPARED AND FINISHED WITH CLEAR VARNISH APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURES SPECIFICATIONS OR EQUAL APPROVED.

**FRAME:** HARDWOOD TIMBER REBATED DOOR JAMB TO SUIT WALL THICKNESS AND DOOR

**HINGES:** 1 1/2 PAIRS DORMA DB-SS-009 102x75x3mm STAINLESS STEEL RISING BUTT HINGES TO ALLOW DOORS TO SWING CLOSED

**GLAZING:** N/A

**IRONMONGERY:** DORMA DMWC-SS-008 BATHROOM/WC DEADLOCK (SMALL CASE) WITH EREBUS ADJUSTABLE ROLLER BOLT DORMA DWC-006 STAINLESS STEEL WC INDICATOR WITH 79mm TURN KNOB FOR PHYSICALLY IMPAIRED 1 PAIR DORMA DPH-0301G 150x18mm "O" SHAPED BACK TO BACK PULL HANDLES WITH 200x200x1.2mm GRADE 304 STAINLESS STEEL BACKPLATES WITH DRILLED HOLES FOR COUNTERSUNK FIXINGS TO BOTH SIDES DORMA DHS-SS-031-B STAINLESS STEEL COAT HOOK WITH WALL BUFFER

**SIGNAGE:** DORMA DSS-133 STAINLESS STEEL 150x150 DISABLED WC SIGN DORMA DSS-131 STAINLESS STEEL 150x150 FEMALE WC SIGN DORMA DSS-130 STAINLESS STEEL 150x150 MALE WC SIGN

**GENERAL NOTES:**
DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
ALL SHOP FRONT DOORS ARE TO BE AAMSA APPROVED.
**DOOR SCHEDULE**

<table>
<thead>
<tr>
<th>DOOR TYPE : D6</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NOTE DOOR IS VIEWED FROM THE INSIDE</td>
<td>1 No. OFF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DESCRIPTION :</th>
<th>PURPOSE MADE 2032 x 1000 NATURAL ANODISED ALUMINIUM SLIDING DOOR WITH GLAZED PANELS AS SHOWN TO SUIT CLEAR 900mm OPENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRAME :</td>
<td>HILL ALUMINIUM OR SIMILAR SLIDING DOOR TRACK TO SUIT DOOR SIZE AND WEIGHT COMPLETE WITH EPOXY COATED ALUMINIUM COVER PELMET</td>
</tr>
<tr>
<td>HINGES :</td>
<td>N/A</td>
</tr>
<tr>
<td>GLAZING :</td>
<td>6mm SAFETY GLAZED PANEL TO DOOR AS SHOWN</td>
</tr>
</tbody>
</table>
| IRONMONGERY : | 1 PAIR DORMA DPH301C 150x19mm "D" SHAPE STAINLESS STEEL BACK-TO-BACK PULL HANDLES  
DORMA D2935 35mm BACKSET NARROW STILE HOOK LOCK  
DORMA DDC056501 NICKEL PLATED 65mm FIVE PIN EURO PROFILE DOUBLE CYLINDER  
DORMA DDS-SS-017 STAINLESS STEEL DOOR STOP |

**GENERAL NOTES:**

DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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**SAFETY GLAZING**

**SIGNAGE**

**FRAME**

**PULL HANDLE WITH EUROPROFILE DOUBLE CYLINDER**

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**SAFETY GLAZING**
DESCRIPTION: MAXIMUM 900mm x 1895mm x 16mm FORMICA CLAD SUPAWOOD DB CUPBOARD DOOR IN TWO EQUAL LEAVES. MAXIMUM LEAF WIDTH 600mm COLOUR: TBC WITH 25mm ALUMINIUM "C" SECTION EDGE PROTECTION NOTE! OPENINGS TO BE MEASURED ON SITE

FRAME: HARDWOOD TIMBER FRAME ALL ROUND STAINED TO MATCH FORMICA

HINGES: ALL DOORS TO HAVE: 1 PAIR EUROMAT T42 CONCEALED CPBD HINGES WITH 3mm ADJUSTABLE PLATE (032349) AS SUPPLIED BY HETTICH GELMAR. O.E.A.

GLAZING: N/A

IRONMONGERY: 1 BOLT THROUGH BAR TYPE PULL HANDLES PER LEAF (SAMPLE TO BE PROVIDED PRIOR TO INSTALLATION) ROLLER CATCH
NOTE! THIS DOOR IS TO BE LOCKABLE (SAMPLE LOCK TO BE PROVIDED PRIOR TO INSTALLATION)

SIGNAGE: IN ACCORDANCE WITH ELECTRICAL REGULATIONS

GENERAL NOTES:
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ALL SHOP FRONT DOORS ARE TO BE AAMSA APPROVED.
SAFETY GLAZING

PURPOSE MADE ALUMINIUM DOOR & FRAME.

HINGES BY DOOR MANUFACTURER

PULL HANDLE WITH EUROPProfile THUMB TURN CYLINDER

DESCRIPTION: PURPOSE MADE 2032 x 900 NATURAL ANODISED ALUMINIUM SINGLE DOOR WITH GLAZED PANELS AS SHOWN

FRAME: NATURAL ANODISED ALUMINIUM FRAME TO SUIT DOOR AND HINGES

HINGES: 1.5 PAIRS ALUMINIUM SINKLESS HINGES TO SUIT DOOR

GLAZING: 6mm SAFETY AUMOURPLATE GLAZED PANEL TO DOOR AS SHOWN

IRONMONGERY: 1 PAIR DORMA DPH301C 150x19mm "D” SHAPED STAINLESS STEEL BACK-TO-BACK PULL HANDLES
DORMA D07935 35mm BACKSET NARROW STILE DEADLOCK & ROLLER BOLT
DORMA DDC056501 NICKEL PLATED 65mm FIVE PIN EURO PROFILE THUMB TURN CYLINDER

SIGNAGE: TO FUTURE DETAIL

GENERAL NOTES:
DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.
DOOR SCHEDULE

NOTE DOOR IS VIEWED FROM THE OUTSIDE

DESCRIPTION:
2032x813x40mm SEMI-SOLID CORE TIMBER SINGLE SLIDING DOOR WITH MASONITE VENEER PRIMED AND PAINTED WITH 2 FINISHING COATS APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURES SPECIFICATIONS OR EQUAL APPROVED COLOUR: REFER TO FINISHES SCHEDULES.

FRAME:
HILLALDUM OR SIMILAR SLIDING DOOR TRACK TO SUIT DOOR SIZE AND WEIGHT COMPLETE WITH EPOXY COATED ALUMINIUM COVER PELMET

HINGES:
N/A

GLAZING:
N/A

IRONMONGERY:
1 PAIR DORMA DPM01TGC 130x13mm "U" SHAPED STAINLESS STEEL BACK-TO-BACK PULL HANDLES
DORMA D02935 35mm BACKSET NARROW STILE HOOK LOCK
DORMA DDC056501 NICKEL PLATED 65mm FIVE PIN EURO PROFILE DOUBLE CYLINDER
DORMA DDS-SS-017 STAINLESS STEEL DOOR STOP

SIGNAGE:
TO FUTURE DETAIL

GENERAL NOTES:
DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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ALL UNDERCUTTING OF DOORS IS TO DC CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.
DESCRIPTION:
2032x813x40mm SEMI-SOLID CORE TIMBER SINGLE DOOR WITH MASONITE VENEER
PRIMED AND PAINTED WITH 2 FINISHING COATS APPLIED IN STRICT ACCORDANCE
WITH THE MANUFACTURES SPECIFICATIONS OR EQUAL APPROVED
COLOUR: REFER TO FINISHES SCHEDULES.

FRAME:
HARDWOOD TIMBER REBATED DOOR JAMB TO SUIT WALL THICKNESS AND DOOR

HINGES:
1½ PAIRS STAINLESS STEEL BUTT HINGES PER LEAF

GLAZING:
N/A

IRONMONGERY:
DORMA D037D EURO PROFILE CYLINDER DEAD LOCK WITH DORMA DDC056501 NICKEL PLATED 65mm FIVE
PIN EUROPROFILE DOUBLE CYLINDER
EREBUS ADJUSTABLE ROLLER CATCH
1 PAIR DORMA DPH301C 150x19mm "D" SHAPED BACK TO BACK PULL HANDLES WITH
200x200x1.2mm GRADE 304 STAINLESS STEEL BACKPLATES WITH DRILLED HOLES FOR COUNTERSUNK
FIXINGS TO BOTH SIDES.
DORMA DDS-SS-017 STAINLESS STEEL DOOR STOP

SIGNAGE:
TO FUTURE DETAIL

GENERAL NOTES:
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GENERAL NOTES:

All dimensions are to be checked on site by the contractor prior to construction. Any discrepancies on this drawing are to be reported to the office of the architect prior to construction. All aluminium and steel is to be isolated from one another to prevent galvanic action. All quantities are to be checked on site by the contractor prior to placing orders. All shop fronts are to be AAAMSA approved and to manufacturers specifications.
**GENERAL NOTES:**

DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.

ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

ANY DISCREPANCIES ON THIS DRAWING ARE TO BE REPORTED TO THE OFFICE OF THE ARCHITECT PRIOR TO CONSTRUCTION.

ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.

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ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.

ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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**DOOR SCHEDULE**

**DOOR TYPE:** G1

**DESCRIPTION:**
HOT DIPPED GALVANISED MILD STEEL WELDED GATE, WITH 25mm SQUARE TUBE FRAME AND 16mm INTERMEDIATE BARS AT MIN 100mm CENTRES

OPENINGS TO BE CHECKED ON SITE

GATE TO BE UNPAINTED

**FRAME:** N/A

**HINGES:** AS SUPPLIED BY MANUFACTURER TO SUIT GATE

**GLAZING:** N/A

**IRONMONGERY:** BARREL BOLT TO SUITE GATE
HIGH SECURITY, HEAVY DUTY PADLOCK & KEYS

**SIGNAGE:** TO FUTURE DETAIL
**DOOR SCHEDULE**

| DESCRIPTION | HOT DIPPED GALVANISED MILD STEEL WELDED DOUBLE GATE IN TWO EQUAL LEAVES
|             | WITH 25mm SQUARE TUBE FRAME AND 16mm INTERMEDIATE BARS AT MIN 100mm CENTRES
| OPENINGS   | TO BE CHECKED ON SITE
| GATE       | TO BE UNPAINTED
| FRAME      | N/A
| HINGES     | AS SUPPLIED BY MANUFACTURER TO SUIT GATE
| GLAZING    | N/A
| IRONMONGERY | BARREL BOLT TO SUITE GATE
|            | HIGH SECURITY, HEAVY DUTY PADLOCK & KEYS
| SIGNAGE    | TO FUTURE DETAIL

**GENERAL NOTES:**

- Door swings and positions to be calculated from the door reference plans.
- All dimensions are to be checked on site by the contractor prior to construction.
- Any discrepancies on this drawing are to be reported to the office of the architect prior to construction.
- All aluminium and steel is to be isolated from one another to prevent galvanic action.
- All quantities are to be checked on site by the contractor prior to placing orders.
- All undercutting of doors is to be calculated from mechanical detailed construction drawings.
- All shop front doors are to be AAAMSA approved.
WINDOW SCHEDULE

WINDOW LEVEL

<table>
<thead>
<tr>
<th>WINDOW TYPE</th>
<th>W 02</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 No. OFF</td>
<td></td>
</tr>
</tbody>
</table>

TOP OF CONCRETE

<table>
<thead>
<tr>
<th>FRAME</th>
<th>HARDWOOD TIMBER FRAME TO MATCH EXISTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>FITTINGS</td>
<td>BLACK NYLON HANDLES FOR ALUMINIUM WINDOWS. SAMPLE TO BE SHOWN TO THE ARCHITECT FOR APPROVAL.</td>
</tr>
<tr>
<td>GLAZING:</td>
<td>6mm CLEAR SAFETY GLAZING TO COMPLY WITH SABS STANDARDS</td>
</tr>
<tr>
<td>HINGES</td>
<td>GMS EASY CLEAN FRICTION STAYS TO SUITE TOP HUNG WINDOWS.</td>
</tr>
<tr>
<td>OTHERS</td>
<td>WINDOW TO WC TO RECEIVE FROSTED GLASS</td>
</tr>
</tbody>
</table>

GENERAL NOTES:

ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
ANY DISCREPANCIES ON THIS DRAWING ARE TO BE REPORTED TO THE OFFICE OF THE ARCHITECT PRIOR TO CONSTRUCTION.
ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.
ALL QUANTITIES ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PLACING ORDERS.
ALL SHOP FRONT ARE TO BE AAAMSA APPROVED AND TO MANUFACTURERS SPECIFICATIONS.
### WINDOW SCHEDULE

**WINDOW LEVEL**

- **FRAME:** Hardwood timber frame to match existing
- **FITTINGS:** Black nylon handles for aluminium windows. Sample to be shown to the architect for approval.
- **GLAZING:** 6mm frosted glazing to comply with SABS standards
- **HINGES:** GMS easy clean friction stays to suite top hung windows.
- **OTHERS:** To future detail

### GENERAL NOTES:

- All dimensions are to be checked on site by the contractor prior to construction.
- Any discrepancies on this drawing are to be reported to the office of the architect prior to construction.
- All aluminium and steel is to be isolated from one another to prevent galvanic action.
- All quantities are to be checked on site by the contractor prior to placing orders.
- All shop front are to be AAAMSA approved and to manufacturers specifications.
**DESCRIPTION:** 1250mm x 1550mm 'RAINBOW SKYLIGHT' OR SIMILAR APPROVED. NATURAL ANODISED ALUMINIUM, 5mm ACRYLIC SHEET FIXED ONTO TIMBER FIXING BOX AND FLASHED INTO ROOFING ACCORDING TO SPECIALIST DETAIL. ref to s372-WG-011

**FRAME:** TO SUIT OPENING TO SPECIALIST DETAIL

**HINGES:** N/A

**GLAZING:** 5mm OPEL/ WHITE ACRYLIC SHEET TO COMPLY WITH SANS 10400-PART N

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**GENERAL NOTES:**

ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

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ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.

ALL QUANTITIES ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PLACING ORDERS.

ALL SHOP FRONT ARE TO BE AAAMSA APPROVED AND TO MANUFACTURERS SPECIFICATIONS.
How to Specify

The following points should be specified when ordering a Rainbowlite unit:

<table>
<thead>
<tr>
<th>Product:</th>
<th>Standard Rainbowlite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shape:</td>
<td>Dome ☐ Pyramid ☐ Flat ☐</td>
</tr>
<tr>
<td>Size:</td>
<td>As required (see table below) x</td>
</tr>
<tr>
<td>Aluminium Finish:</td>
<td>Mill Finish ☐ Powder Coated ☐ Anodised ☐</td>
</tr>
<tr>
<td>Colour:</td>
<td>White ☐ Natural ☐ ☐ ☐ Bronze ☐ ☐ ☐ Other ☐</td>
</tr>
<tr>
<td>Glazing Material:</td>
<td>Acrylic ☐ Glass (not available for domes) ☐</td>
</tr>
<tr>
<td>Thickness:</td>
<td>5mm ☐ 6.5mm (PVB Laminated Safety Glass) ☐ 5mm (Toughened Glass) ☐ Other ☐</td>
</tr>
<tr>
<td>Colour:</td>
<td>Clear ☐ ☐ White Translucent (Opal) ☐ Cool Bronze ☐ Cool Grey ☐ Other ☐</td>
</tr>
<tr>
<td>Type:</td>
<td>Single Glazing ☐ Double Glazing</td>
</tr>
<tr>
<td>Ventilation:</td>
<td>Louvre ☐ Hinged ☐ Access Hatch</td>
</tr>
<tr>
<td>Fixing:</td>
<td>☐ Manual Opening Unit ☐ Electrical Opening Unit</td>
</tr>
</tbody>
</table>

Other colours and thicknesses available on request.

Standard Rainbowlite in Acrylic or Glass

A Standard range in a variety of shapes and sizes, with or without ventilation.

A Rainbowlite unit consists of a self-flashing aluminium frame, designed to fit onto any type of roof.

A) Pitched roof - tiled, slate, corrugated iron, or thatch.
B) Flat roof - Concrete or IBR, etc.

The base frame is welded on four corners for maximum security. The glazing is fastened by an aluminium angle onto the base frame in a way that allows thermal movement for the glazing material, and for condensation.

The Rainbowlite standard range is available in domes, 30° pyramids and flat glaze units (glass units are available in additional shapes and sizes other than the standard ones). Aluminium frames and ventilation systems are available in mill finish, powder coat or anodised. Glazed tops are available in a choice of colours, to allow solar energy control (heat build-up), through various light and thermal transmissions.

Ventilation System (not available in round units)

A) Louvre Type - The ventilation system, fitted onto the aluminium base frame, allows airflow on four sides. Airflow can be permanent or controlled manually by a sliding aluminium shutter. Weather guard and insect mesh are standard. When fitted, the ventilation system adds on only 100mm in height.

B) Hinged Type - Is available with electrical or manual opening mechanism, with or without extendable operation rod. Also available as an access hatch to the roof.

Standard sizes available in Square and Rectangular Rainbowlites:

<table>
<thead>
<tr>
<th>Size</th>
<th>600 x 600</th>
<th>400 x 400</th>
<th>900 x 900</th>
<th>1200 x 1200</th>
<th>1500 x 1500</th>
<th>1800 x 1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 x 900</td>
<td>400 x 800</td>
<td>900 x 1200</td>
<td>1200 x 1500</td>
<td>1500 x 1800</td>
<td>1800 x 2100</td>
<td></td>
</tr>
<tr>
<td>600 x 1200</td>
<td>750 x 750</td>
<td>900 x 1500</td>
<td>1200 x 1800</td>
<td>1500 x 2100</td>
<td>1800 x 2400</td>
<td></td>
</tr>
<tr>
<td>600 x 1500</td>
<td>750 x 900</td>
<td>900 x 1800</td>
<td>1200 x 2100</td>
<td>1500 x 2400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>600 x 1800</td>
<td>500 x 1000</td>
<td>900 x 2100</td>
<td>1200 x 2400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>600 x 2100</td>
<td>1000 x 1000</td>
<td>900 x 2400</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>600 x 2400</td>
<td>1200 x 2000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2000 x 2000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Not available in flat acrylic glaze.

All glass pyramids, flat glass and acrylic units are available also in sizes other than standard.
<table>
<thead>
<tr>
<th>WINDOW LEVEL</th>
<th>3.810</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP OF CONCRETE</td>
<td></td>
</tr>
</tbody>
</table>

**FRAME:** HARDWOOD TIMBER FRAME TO MATCH EXISTING

**FITTINGS:** N/A

**GLAZING:** 6mm SAFETY GLAZING TO COMPLY WITH SABS STANDARDS

**HINGES:** N/A.

**OTHERS:** TO FUTURE DETAIL

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WINDOW SCHEDULE

WINDOW LEVEL

1800

2 No. OFF

TOP OF CONCRETE

1200

900

FRAME : NATURAL ANODISED ALUMINIUM WINDOW WITH 12 EQUAL FIXED PANELS AS SHOWN PERIMETER OF WINDOW TO BE SEALED WITH SILICONE.

FITTINGS N/A

GLAZING: 6mm CLEAR SAFETY GLAZING TO COMPLY WITH SABS STANDARDS

HINGES N/A

OTHERS: TO FUTURE DETAIL

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