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**SANPARKS MAPUNGUBWE NATIONAL PARK**

**PROPOSED ORIENTATION CENTRES**

**- MAPUNGUBWE / BAMBANDYANALO / K2**

**- SCHRODA / ZHIZO**

**14 FEBRUARY 2017**



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**COAL** of AFRICA LIMITED



# BAMBANDYANALO/K2 & MAPUNGUBWE CONTEXTUAL SUMMARY

## BAMBANDYANALO ARTIST'S RECONSTRUCTION



## BAMBANDYANALO

Between AD 1020 and 1220, the most powerful chief in the region lived at K2 about 7 km from Schroda. The significantly increased wealth of his community derived from not only participating in, but also controlling, international trade. These ancestors of present-day Shona-speakers abandoned the Central Cattle Pattern village layout in the course of their stay at K2 and began to separate activities associated with cattle from the rest of society. They developed a unique method of making their own glass beads – called garden rollers by archaeologists because of their shape – by melting glass from smaller imported beads that derived from the Indo-Pacific region.

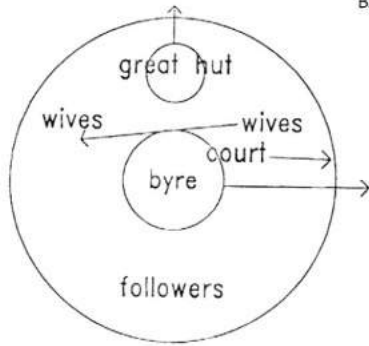
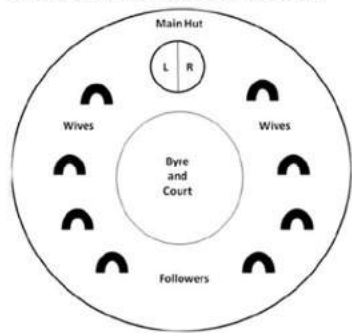
## MAPUNGUBWE

As a result of the expanded trade network, a new indigenous social order based on class distinction developed and the move away from the long-established Central Cattle Pattern was completed. The social order became stratified into an upper and lower class that restructured the kinship pattern and gave the upper class economic and political power. The capital moved to Mapungubwe Hill where, between AD 1220 and 1300, the elite lived on the hilltop and the commoners lived below on the flat lands around the hill, now generally referred to as the southern terrace and the northern plateau.

## MAPUNGUBWE HILL ARTIST'S RECONSTRUCTION



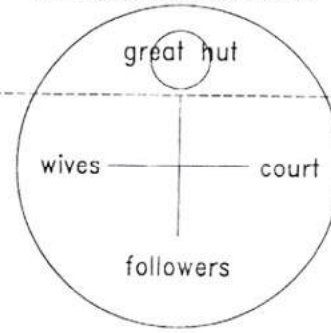
## BAMBANDYANALO SPATIAL DIAGRAMS



## BAMBANDYANALO EXCAVATION SITE



## MAPUNGUBWE SPATIAL DIAGRAM



## MAPUNGUBWE HILL SITE PLAN

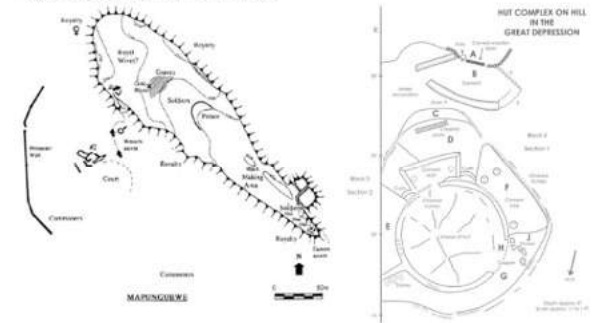
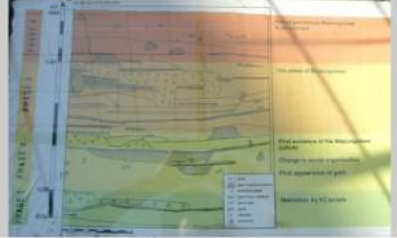


Figure 11 Schematic settlement pattern at Mapungubwe (from Huffman 2000)

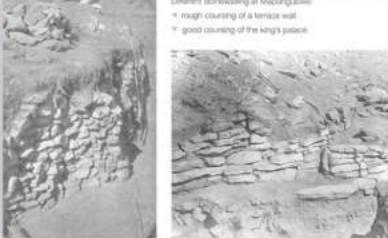
## ILLUSTRATION OF MIDDEN LAYERS & TIME LINE



## PHOTO OF EXCAVATED MIDDEN



## DIFFERENT STONEWALLING AT MUPUNGUBWE



## EXCAVATIONS AT MAPUNGUBWE



## ARCHITECTURAL FEATURES IN THE OCCUPATION AREAS



## GAME BOARDS ENGRAVED IN ROCK



## GRINDING SCOOPS



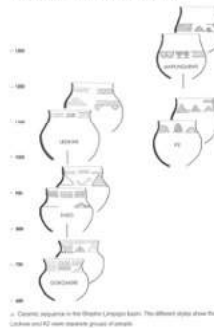
## IRON ASSOCIATED WITH MEN



## GARDEN ROLLERS BEADWORK



## POTTERY PATTERNS

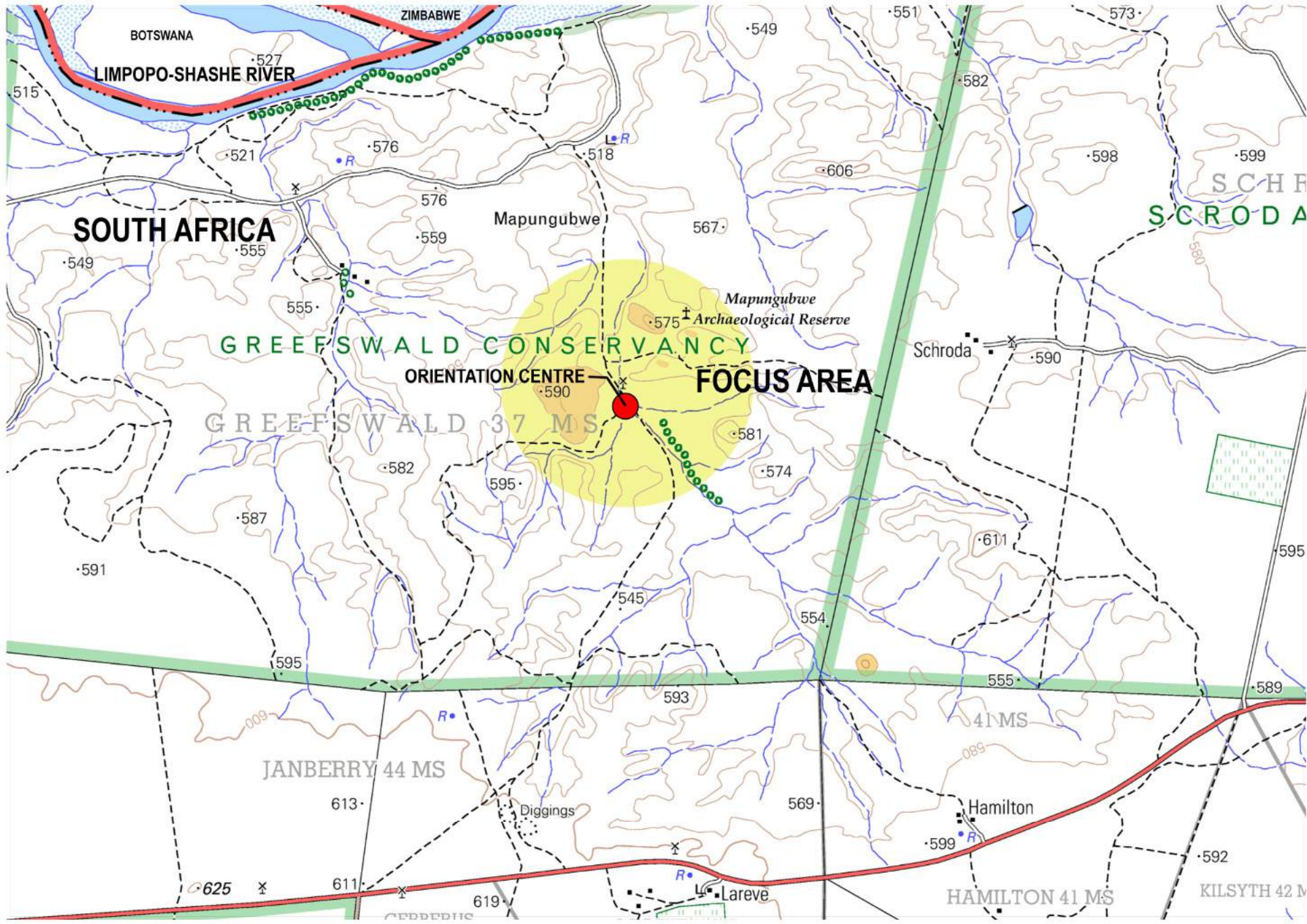


## GOLD OBJECTS AT MAPUNGUBWE



## COPPER ASSOCIATED WITH WOMEN





**GENERAL NOTES:**  
 ALL LEVELS, DIMENSIONS AND PORTIONS TO BE CHECKED AND VERIFIED BEFORE ANY WORK IS COMMENCED.  
 ANY DISCREPANCIES OR OMISSIONS SHOULD BE REPORTED TO THE ARCHITECT IMMEDIATELY.  
 ALL WORK TO BE IN ACCORDANCE WITH GOOD AND ACCEPTED USUAL BUILDING PRACTICE.  
 FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.  
 LARGEST SCALE DETAIL SUPERSEDES SMALLER SCALE DRAWINGS.  
 THESE DRAWINGS TO BE USED IN ACCORDANCE WITH REGULATIONS AND CONSULTANT'S INSTRUCTIONS.  
 ALL BUILDING BY-LAWS, HEALTH AND FIRE REQUIREMENTS TO BE STRICTLY ADHERED TO.  
 THE DESIGN DRAWINGS ARE THE PROPERTY OF JEREMIE MALAN ARCHITECTS (P) LTD.

**DRAWING REVISION BLOCK**

DATE	PERSON	COMMENTS
28-07-2016	GP	PREPARED FOR CLIENT
10-02-2017	GP	<ul style="list-style-type: none"> <li>Changed initial name to 'Orientation Centre'</li> <li>Added a note to the 'Mapungubwe Archaeological Reserve'</li> <li>Added a note to the 'Schroda'</li> <li>Added a note to the 'Hamilton'</li> <li>Added a note to the 'Lareve'</li> <li>Added a note to the 'Diggings'</li> <li>Added a note to the 'Janberry'</li> <li>Added a note to the 'Kilsyth'</li> <li>Added a note to the 'Hamilton 41 MS'</li> <li>Added a note to the 'Lareve 41 MS'</li> <li>Added a note to the 'Diggings 41 MS'</li> <li>Added a note to the 'Janberry 44 MS'</li> <li>Added a note to the 'Kilsyth 42 MS'</li> <li>Added a note to the 'Hamilton 41 MS'</li> <li>Added a note to the 'Lareve 41 MS'</li> <li>Added a note to the 'Diggings 41 MS'</li> <li>Added a note to the 'Janberry 44 MS'</li> <li>Added a note to the 'Kilsyth 42 MS'</li> </ul>



**INFORMATION ONLY**  
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**DISCIPLINE**  
 ARCHITECTURE

**ADDRESS**  
**SANPARKS MAPUNGUBWE HERITAGE SITE - SCHRODA / ZHIZO ORIENTATION CENTRE**

**DRAWING TITLE**  
**SKETCH PLANS**

**LOCATION MAP - MAPUNGUBWE / BAMBANYANALO / K2**

REF NO	DESIGNED
521	JM
SCALE	DRAWN
1 : 10	GIP
DATE	CHECKED
2017/02/15 10:37:22 AM	JM
ARCHITECTURAL FIRM	ARCHITECTURAL FIRM
JEREMIE MALAN ARCHITECTS (PTY) LTD	JEREMIE MALAN ARCHITECTS (PTY) LTD
SK1_002	B

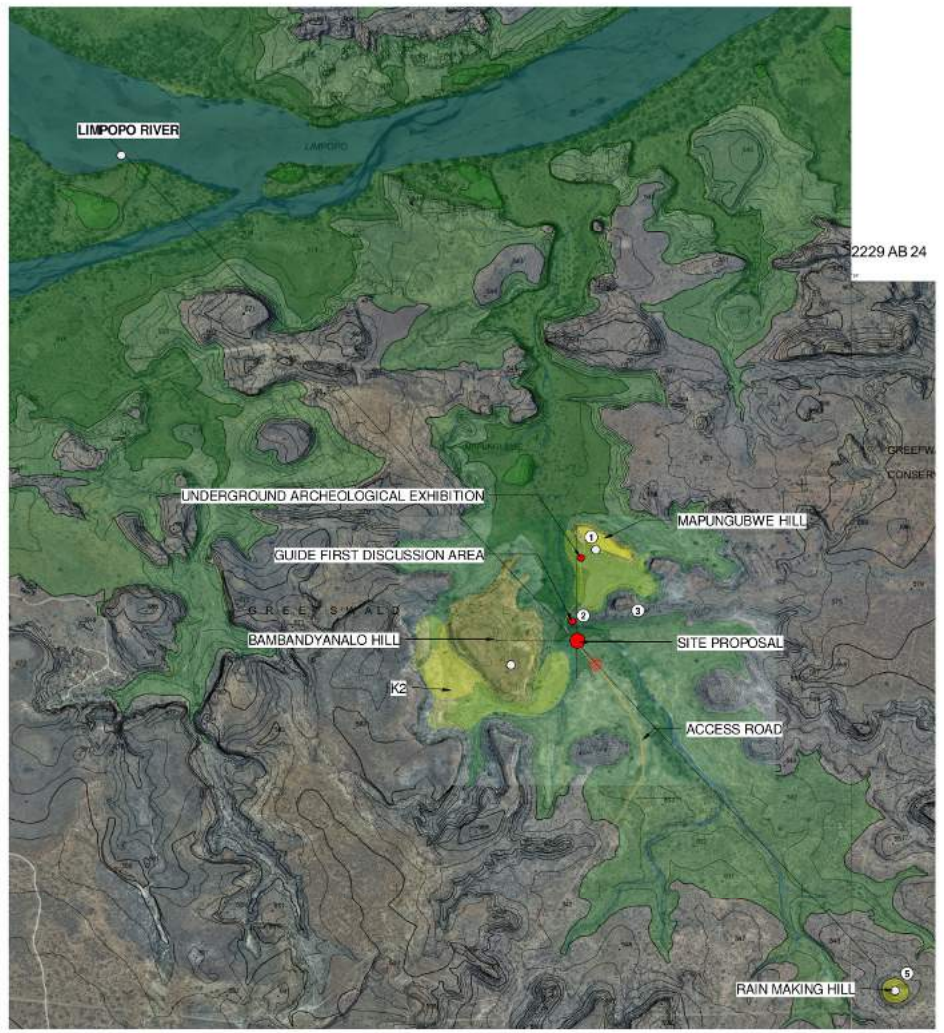




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 ALL WORK TO BE IN ACCORDANCE WITH GOOD AND ACCEPTED USUAL BUILDING PRACTICE  
 REQUIRED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS  
 LARGE SCALE DETAIL DIFFERS FROM SMALL SCALE DRAWINGS  
 THESE DRAWINGS TO BE USED IN ACCORDANCE WITH THE GENERAL AND CONSULTANT'S DRAWINGS  
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**DRAWING REVISION BLOCK**

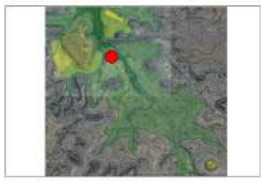
	DATE	PERSON	COMMENTS
A	26-07-2016	GP	REVISION TO CLIENT
B	10-02-2017	GP	- Changed of a road name to "Orientation Centre" - Change of a road name to "Mapungubwe Hill" - Change of a road name to "Mapungubwe Hill" - Change of a road name to "Mapungubwe Hill" - Change of a road name to "Mapungubwe Hill" - Change of a road name to "Mapungubwe Hill" - Change of a road name to "Mapungubwe Hill" - Change of a road name to "Mapungubwe Hill" - Change of a road name to "Mapungubwe Hill" - Change of a road name to "Mapungubwe Hill" - Change of a road name to "Mapungubwe Hill"



**1** **MACRO SITE PLAN - MAPUNGUBWE-BAMBANDYANALO (K2)**  
 1 : 10000



**2** **SITE PLAN - MAPUNGUBWE-BAMBANDYANALO (K2)**  
 1 : 1000



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DISCIPLINE: ARCHITECTURE  
 ADDRESS: SANPARKS MAPUNGUBWE HERITAGE SITE - SCHRODA / ZHIHO ORIENTATION CENTRE  
 DRAWING TITLE: SKETCH PLANS  
 SITE AND BUILDING PLAN - MAPUNGUBWE / BAMBANDYANALO / K2

REF NO	DESIGNED
521	JM
SCALE	DRAWN
As indicated	CIP
DATE	CHECKED
2017/02/15 10:37:52 AM	JM
ARCHITECTURAL FIRM DRAWING NO.	ARCHITECTURAL FIRM REVISION
SK1_003	B

**1**

CUSTOMMADE BENCHES TO INCLUDE DISPLAY CASES. BENCHES ARE BUILT-IN TO ALLOW FOR CIRCULATION AROUND THEM



**2**

FEATURE ARTWORK IS A REPLICA STATUE OF THE MOKBARABA ROCK BOARD GAME.

THIS PIECE REPRESENTS THE GUARDS WAITING OUTSIDE.



**3**

SCALED TERRAIN MODEL DEPICTING THE SITE, INDICATING IMPORTANT LANDMARKS AND PLACEMENT

- GLIDES CAN USE MODEL TO EXPLAIN SITE



ARTIST'S DEPICTION OF MAPUNGUBWE HILL c.1200 - 1200 AD

**4**

MAPUNGUBWE AND BAMBANYANALO (K2) EXHIBITION AREAS

INFORMATION BOARDS ABOUT THE SURROUNDING AREAS AND DISPLAY FURNITURE TO HOUSE REPLICA RELICS



**5**

STEEL FRAME AND INFILL STRUCTURE

STRUCTURE AND INFILL DERIVED FROM VERNACULAR BUILDING TYPE BUT NOT COPIED

MODERN DESIGN APPROACH TO CONTRAST SHARPLY WITH NATURAL ENVIRONMENT

- OFF-SITE FABRICATION
- RAPID AND WASTE FREE CONSTRUCTION METHOD
- MODULAR FOR EASY OF CONSTRUCTION
- DURABILITY AND VERSATILITY
- PILING FOUNDATIONS AND STRIP FOUNDATIONS TO DISTURB EARTH
- BUILT ON A FLOATING FLOOR SUSPENDED ABOVE THE GROUND LEVEL
- ROOF SLOPES FOR RAINWATER RUN OFF
- GOOD NATURAL LIGHT RECEIVED FROM GLENESTOREY WINDOW
- BUILDING USES HORIZONTAL LINES TO REDUCE VISUAL IMPACT
- PRECEDENT BASED ON LINES VAN DER ROHE, FARNSWORTH HOUSE TO REFLECT MODERN FLOATING STRUCTURE AND INFILL ARCHITECTURE, SET IN NATURAL LANDSCAPE

NOTE:  
SOLID SHEETING REPRESENTS ROCK (POSITIVE SPACE)  
GLAZING REPRESENTS CREVICE (NEGATIVE SPACE)



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LARGEST SCALE DETAIL SUPERSEDES SMALLER DRAWINGS  
FIELD DIMENSIONS TO BE TAKEN ACCORDANCE WITH DIMENSIONS AND CONSTRUCTION DRAWINGS  
ALL BUILDING ELEVATIONS HEADING AND RISE REQUIREMENTS TO BE STRICTLY ADHERED TO  
THE DESIGN ON THIS DRAWING IS THE PROPERTY OF JEREMIE MALAN ARCHITECTS PT LTD

**DRAWING REVISION BLOCK**

DATE	PERSON	COMMENTS
26-07-2016	GP	PREPARED BY CLIENT
19-02-2017	GP	- Changed initial name to 'Orientation Centre' - Client provided for Mapungubwe and Bambanyanaloo (K2) areas to be included - Initial drawings to be taken in accordance with dimensions and construction drawings - Working in accordance with the construction analysis - Revised drawing layout - New notes added - HVAC system added - Glazing system added - Client of infill and steel frame added to drawings - Some drawings and site plan removed - New construction drawings added to drawings - Added and Deleted for added to second submission and - General drawing layout updated as follows



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**6**

SERVICE CORE

- ALL WET SERVICES ARE GROUPED TO SHARE A CONCEALED DUCT
- NO SERVICES ON THE EXTERIOR
- PRACTICAL SHARED TOILET CONCEPT
- MALE URINAL CUBICLE
- MALE TOILET CUBICLE
- FEMALE TOILET CUBICLE
- DISABLED TOILET CUBICLE

- DRAINAGE DIRECTED TO AGRICULTURAL DRAIN/ FRENCH DRAIN
- NO HOT WATER DISPENSER
- HOT / COLD WATER DISPENSER IN THE KITCHENETTE
- KITCHENETTE ACTS AS A SERVER (NO COOKING)
- FOOD PREPARED IN FRIDGE FOR PICNICS
- VENDING MACHINE

**7**

VIEW: BAMBANYANALO - K2



- BAMBANYANALO HILL - K2

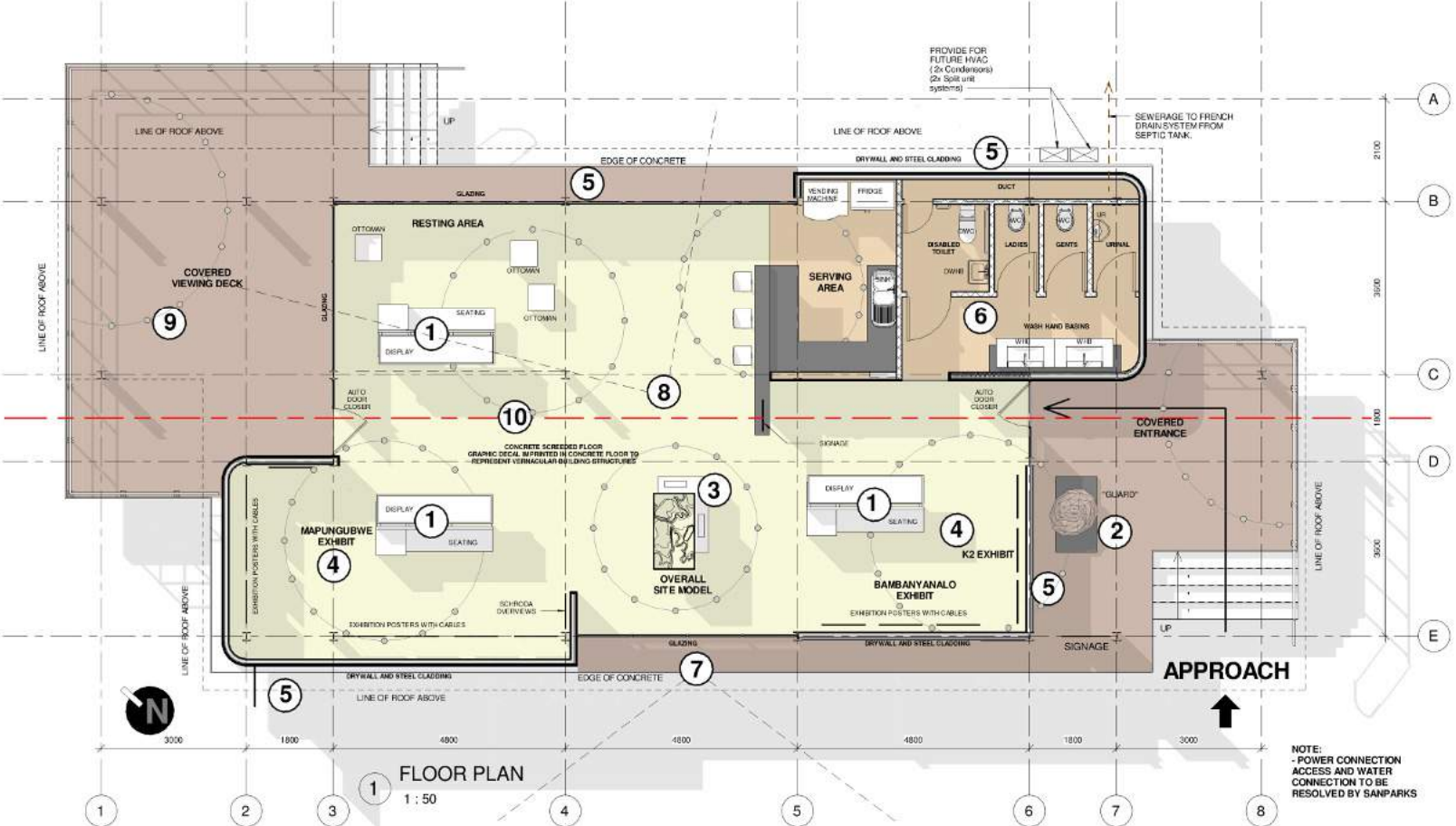
**8**

VIEW: TOWARDS MAPUNGUBWE HILL (INDICATING LITTLE MAPUNGUBWE HILL IN THE FOREGROUND)



**9**

FLOATING VIEWING DECKS SUSPENDED OVER NATURAL SURROUNDINGS. DECKS HAVE BEEN DESIGNED TO ENSURE BEST VIEWS

**10**

- VISUAL AXIS ON CENTRE OF EXISTING ROAD  
- CONNECTING (A) RAIN MAKING HILL WITH (B) VALLEY BETWEEN MAPUNGUBWE HILL AND BAMBANYANALO HILL  
THIS AXIS IS USED AS THE PRIMARY SETTING OUT POSITION



**11**

PICNIC AREAS:

- PLACED BETWEEN CLUMPS OF ACACIA TREES - SEE SITE PLAN
- ENCLOSED WITH GUMPOLES / LATHS FOR SECURE USE
- FLOATING ABOVE GROUND LEVEL - LIMITED FOUNDATIONS
- PERGOLA TYPE SHADE COVER (SEE PRECEDENT)
- CENTRAL FIRE PIT AND BRAAI
- COVERED ROOF OVER SITTING AREA




**AREA SCHEDULE:**

ENCLOSED AREA	= 130m <sup>2</sup>
COVERED AREAS	= 65m <sup>2</sup>
<b>TOTAL</b>	<b>= 195m<sup>2</sup></b>

**MAPUNGUBWE HILL**

DISCIPLINE: ARCHITECTURE

ADDRESS: SANPARKS MAPUNGUBWE HERITAGE SITE - MAPUNGUBWE / K2 ORIENTATION CENTRE

DRAWING TITLE: SKETCH PLANS

PLAN ANALYSIS - MAPUNGUBWE / BAMBANYANALO (K2)

REF NO	DESIGNED
521	JM
SCALE	DRAWN
1:50	GIP
DATE	CHECKED
20.10.2016 11:42:05 AM	JM
ARCHITECTURAL TEAM	ARCHITECTURAL TEAM
SK1_004	B



RAIN MAKING HILL

VIEW OF VIEWING DECK, LOOKING FROM THE SOUTH EAST



VIEW OF ENTRANCE



INTERIOR VIEW OF ENTRANCE AND EXHIBITION SPACES



INTERIOR VIEW OF SERVER AND EXHIBITION SPACES



MAPUNGUBWE LITTLE HILL

INTERIOR VIEW OF RESTING AREA AND VIEWS

GENERAL NOTES:  
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 ANY CRITICAL DISCREPANCIES OR OMISSIONS TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.  
 ALL WORK TO BE IN ACCORDANCE WITH GOOD AND ACCEPTED LOCAL BUILDING PRACTICE.  
 FINISHED DIMENSIONS TO BE TOLERANCE IN PREFERENCE TO SCALED DIMENSIONS.  
 LARGE SCALE DETAIL SUPERSEDES SMALL SCALE DRAWINGS.  
 TABLE CHAIRINGS TO BE READ IN ACCORDANCE WITH ENGINEERING AND CONSULTANT DRAWINGS.  
 ALL BUILDING BY-LAWS, HEALTH AND FIRE REQUIREMENTS TO BE STRICTLY ADHERED TO.  
 THE DESIGN ON HIS DRAWINGS THE PROPERTY OF JEREMIE MALAN ARCHITECTS (P) LTD.

**DRAWING REVISION BLOCK**

DATE	PERSON	COMMENTS



**INFORMATION ONLY**  
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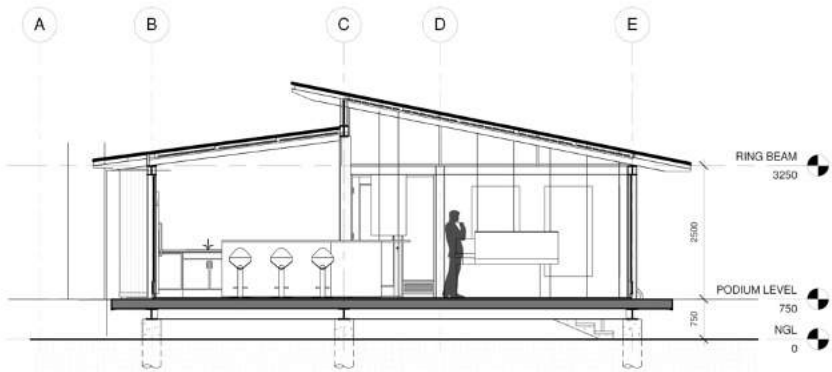
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DISCIPLINE  
**ARCHITECTURE**

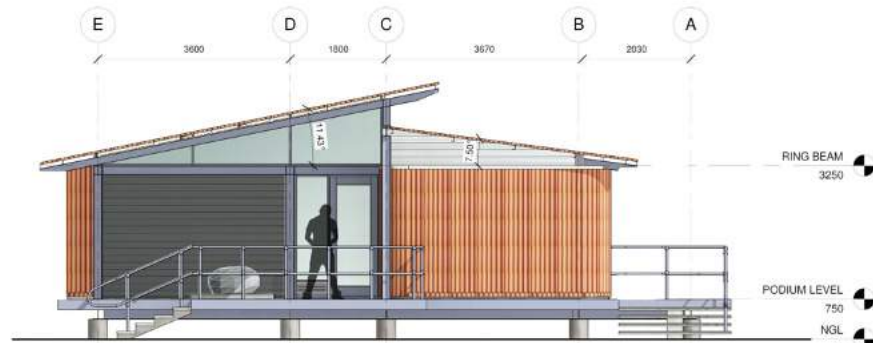
ADDRESS  
**SANPARKS MAPUNGUBWE HERITAGE SITE INTERPRETATION CENTRE**

DRAWING TITLE  
**SKETCH PLANS**  
**3D PERSPECTIVES - MAPUNGUBWE-BAMBANDYANALO (K2)**

REF NO.	DESIGNED
521	JM
SCALE	DRAWN
1:1	GP
DATE	CHECKED
2016/07/19 09:30:22 AM	JM
ARCHITECTURAL FIRM DRAWING NO.	ARCHITECTURAL FIRM REVISION NO.
SK1_005	A



**A-A SECTION A-A**  
1 : 50



**1 SOUTH EAST ELEVATION**  
1 : 50



**2 SOUTH WEST ELEVATION**  
1 : 50

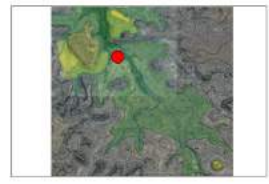


**3 NORTH EAST ELEVATION**  
1 : 50

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LARGE SCALE DETAIL SUPPLEMENT DRAWING.  
TOLERANCES TO BE IN ACCORDANCE WITH ENGINTEERING AND CONSULTANT SPECIFICATIONS.  
ALL BUILDING EYE-LINE HEALTH AND FIRE REQUIREMENTS TO BE STRICTLY ADHERED TO.  
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**DRAWING REVISION BLOCK**

DATE	PERSON	COMMENTS
28-07-2016	GP	PREPARED TO CLIENT
10-02-2017	GP	- Changed project name to 'Orientation Centre' - Client provided by Mapungubwe Centre - Section 5.7g, Planning controls reviewed - Drafted initial site plan - Working drawings added to preliminary stages - Revised floor layout - New notes added - P&I notes added - Notes to be added - Cost of 10000000 added to drawings - Extra landscaping and plants to be added - Revised elevations and plans to second iteration and - Additional perspective views to accompany elevation views - General drawing list and schedule added



**INFORMATION ONLY**  
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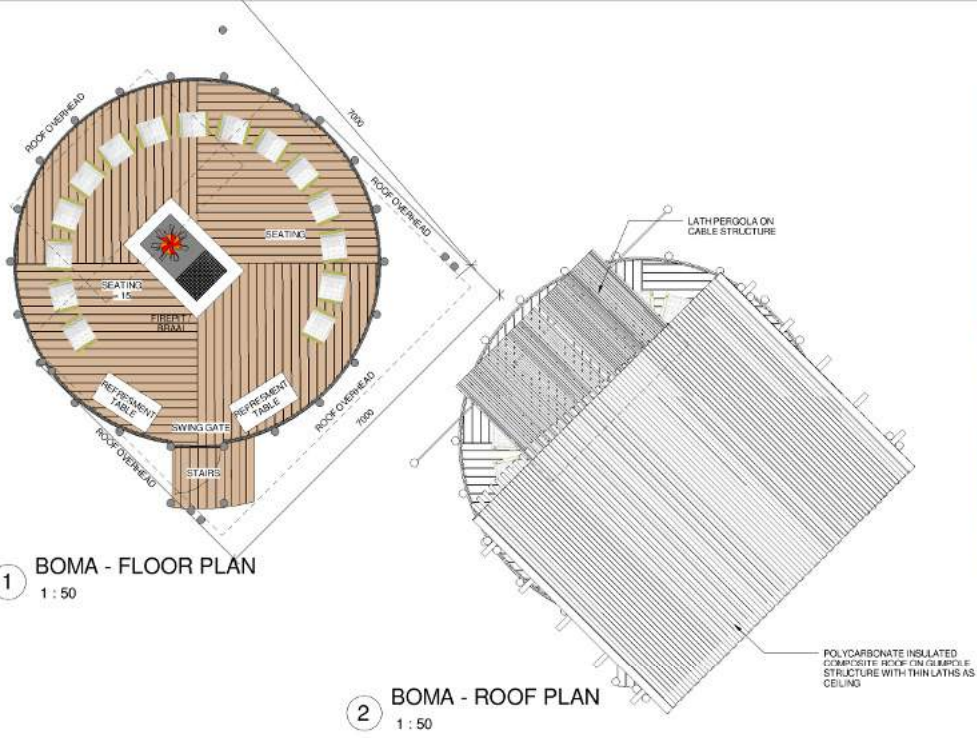
DISCIPLINE  
**ARCHITECTURE**

ADDRESS  
**SANPARKS MAPUNGUBWE HERITAGE SITE - MAPUNGUBWE / K2 ORIENTATION CENTRE**

DRAWING TITLE  
**SKETCH PLANS**

SECTIONS AND ELEVATIONS

REF NO	DESIGNED
521	JM
SCALE	DRAWN
1 : 100	GIP
DATE	CHECKED
2017/02/15 12:15:20 PM	JM
ARCHITECTURAL FIRM DRAWING NO.	ARCHITECTURAL FIRM REVISIONS
SK1_006	<b>B</b>



1 BOMA - FLOOR PLAN  
1 : 50

2 BOMA - ROOF PLAN  
1 : 50



5 BOMA - 3D PERSPECTIVE  
1 : 100

RAIN MAKING HILL

PERGOLA

POLYCARBONATE INSULATED COMPOSITE ROOF ON GUMPOLE STRUCTURE

POLE AND LATH ENCLOSURE APPROX. 1.2m HIGH

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**DRAWING REVISION BLOCK**

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26-07-2016	GP	PREPARED TO CLIENT
19-02-2017	GP	<ul style="list-style-type: none"> <li>Changed initial name to 'Orientation Centre'</li> <li>Client's intention to re-configure layout</li> <li>Various 3D views generated</li> <li>Final layout approved</li> <li>Working in accordance with consultant drawings</li> <li>Approved layout layout</li> <li>Final notes added</li> <li>Final layout approved</li> <li>Client of 3D views added to renderings</li> <li>Client rendering and 3D views approved</li> <li>Final 3D views to 3D view</li> <li>Final 3D views approved</li> <li>Added all Pergola for detail for second of enclosure area</li> <li>General drawing location corrected all drawings</li> </ul>



**INFORMATION ONLY**  
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J.MALAN@CAP REG. NO. 3855/MR. SOTIWA MADZOSHA MASHI

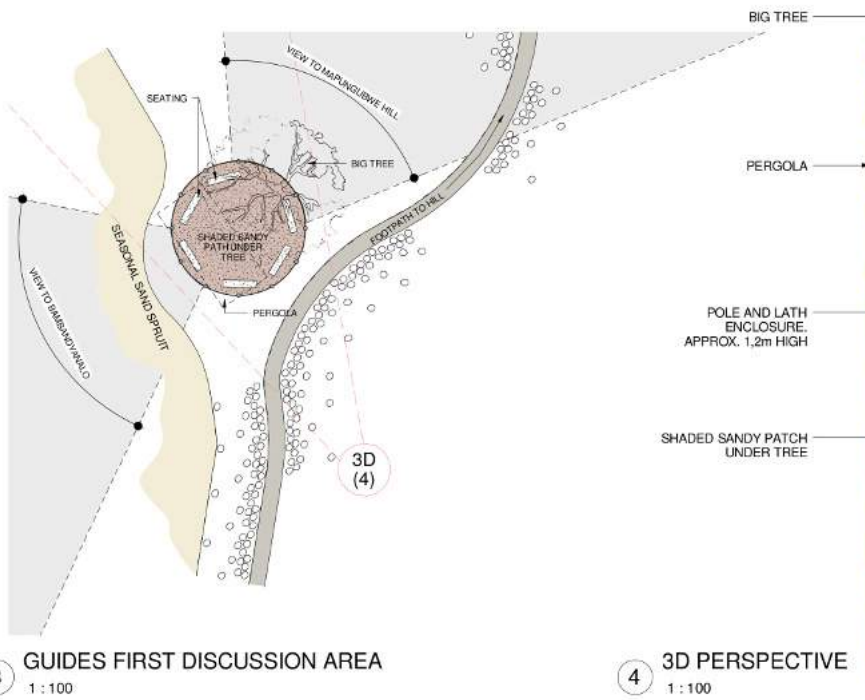
DISCIPLINE:  
**ARCHITECTURE**

ADDRESS:  
**SANPARKS MAPUNGUBWE HERITAGE SITE - SCHRÖDA / ZHIZO ORIENTATION CENTRE**

DRAWING TITLE:  
**SKETCH PLANS**

DETAIL SITE INTERVENTIONS - MAPUNGUBWE

REF NO	DESIGNED
521	JM
SCALE	DRAWN
As indicated	GIP
DATE	CHECKED
2017/02/14 11:43:30 AM	JM
ARCHITECTURAL FIRM DRAWING NO	ARCHITECTURAL FIRM REVISION NO
SK1_007	B



3 GUIDES FIRST DISCUSSION AREA  
1 : 100

4 3D PERSPECTIVE  
1 : 100





**1**

CUSTOMMADE BENCHES TO INCLUDE DISPLAY CASES. BENCHES ARE BUILT-IN TO ALLOW FOR CIRCULATION AROUND THEM.

**2**

FEATURE ARTWORK IS A REPLICA STATUE OF THE MORABARABA ROCK BOARD GAME. THIS PIECE REPRESENTS THE GUARDS WAITING OUTSIDE.

**3**

SCALED TERRAIN MODEL DEPICTING THE SITE, INDICATING IMPORTANT LANDMARKS AND PLACEMENT. - GUIDES CAN USE MODEL TO EXPLAIN SITE

ARTIST'S DEPICTION OF MAPUNGUBWE HILL - 1200 -1280 AD

**4**

MAPUNGUBWE AND BAMBANYALD (K2) EXHIBITION AREAS. INFORMATION BOARDS ABOUT THE SURROUNDING AREAS AND ARCHAEOLOGICAL POTTERY FRAGMENT DISPLAY.

INTERIOR PERSPECTIVE FROM THE VIEWING PLATFORM LOOKING AT THE DIG SITE BELOW

**7**

VIEW: BAMBANYALD K2

BAMBANYALD HILL - K2

**8**

VIEW: - TOWARDS MAPUNGUBWE HILL, INDICATING LITTLE MAPUNGUBWE HILL IN THE FOREGROUND.

GENERAL NOTES:

ALL LEVELS, DIMENSIONS AND PORTIONS TO BE CHECKED AND VERIFIED BEFORE ANY WORK IS COMMENCED.

ANY DISCREPANCIES OR OMISSIONS TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

ALL WORK TO BE EXECUTED IN ACCORDANCE WITH GOOD AND ACCEPTED LOCAL BUILDING PRACTICE.

FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.

LARGEST SCALE DETAIL SUPERSEDES SMALLER SCALE DRAWINGS.

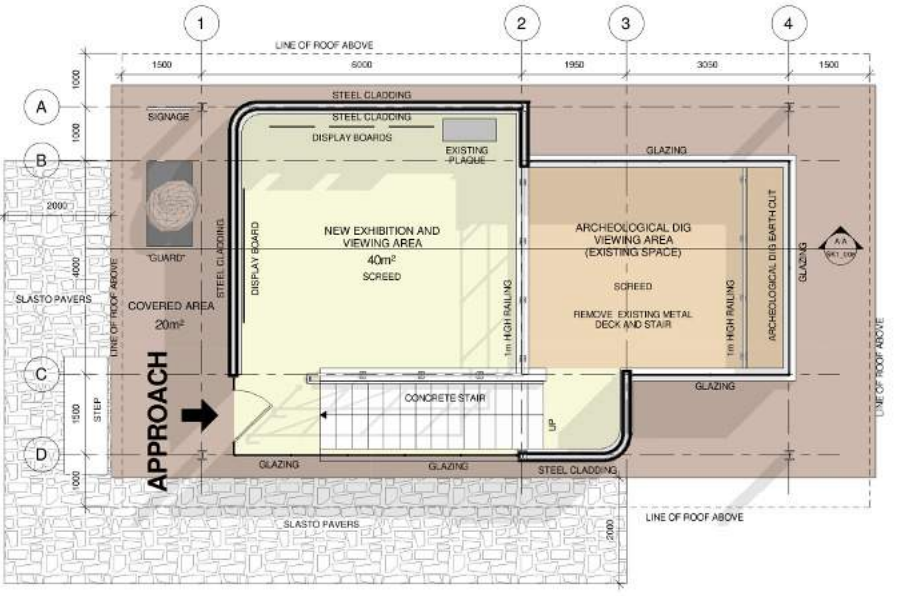
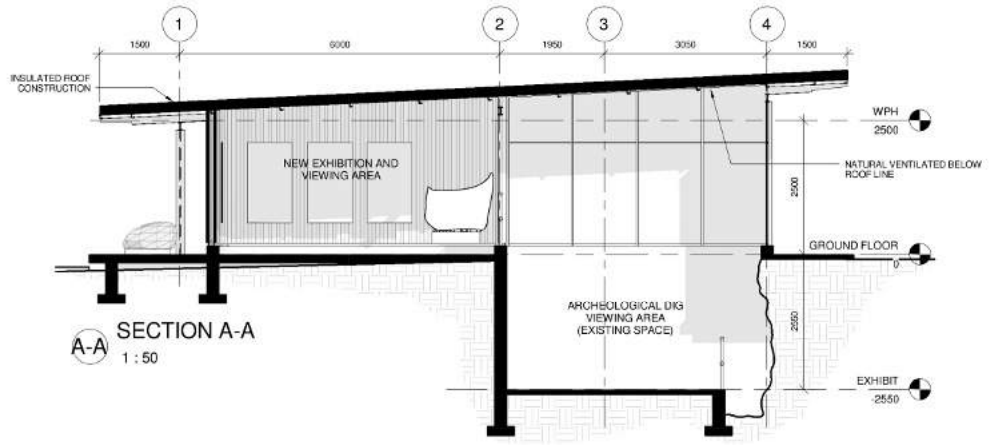
ALL DRAWINGS TO BE REPRODUCED IN ACCORDANCE WITH THE ENGINEERING AND CONSULTING BOARD'S REQUIREMENTS.

ALL BUILDING REGULATIONS, HEALTH AND FIRE REQUIREMENTS TO BE STRICTLY ADHERED TO.

THE DESIGN ON THIS DRAWING IS THE PROPERTY OF JEREMIE MALAN ARCHITECTS PT LTD.

**DRAWING REVISION BLOCK**

DATE	PERSON	COMMENTS
26-07-2016	GP	PREPARED FOR CLIENT
10-02-2017	GP	<ul style="list-style-type: none"> <li>Change of content name to 'Orientation Centre'</li> <li>Change of content to 'Mapungubwe Centre'</li> <li>Change of content to 'Mapungubwe Centre'</li> <li>Change of content to 'Mapungubwe Centre'</li> <li>Change of content to 'Mapungubwe Centre'</li> <li>Change of content to 'Mapungubwe Centre'</li> <li>Change of content to 'Mapungubwe Centre'</li> <li>Change of content to 'Mapungubwe Centre'</li> <li>Change of content to 'Mapungubwe Centre'</li> <li>Change of content to 'Mapungubwe Centre'</li> </ul>



**1** GROUND FLOOR  
1:50

**3** SITE PLAN - 2ND DISCUSSION AREA  
1:2000

**INFORMATION ONLY**  
SANPARKS - ORIENTATION CENTRE



**JEREMIE MALAN ARCHITECTS - INTERIORS**

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DISCIPLINE:  
**ARCHITECTURE**

ADDRESS:  
**SANPARKS MAPUNGUBWE HERITAGE SITE - MAPUNGUBWE / K2 ORIENTATION CENTRE**

DRAWING TITLE:  
**SKETCH PLANS**

**SECOND DISCUSSION AREA - MAPUNGUBWE**

REF NO	DESIGNED
521	JM
SCALE	DRAWN
As indicated	CIP
DATE	CHECKED
20170214 10:31:21 AM	JM
ARCHITECTURAL FIRM	ARCHITECTURAL FIRM
SK1_009	B



3D PERSPECTIVE - SOUTH EAST



3D PERSPECTIVE - INTERIOR



3D PERSPECTIVE - ENTRANCE

GENERAL NOTES:  
 ALL LEVELS, DIMENSIONS AND PORTIONS TO BE CHECKED AND VERIFIED BEFORE ANY WORK COMMENCES!  
 ANY CHANGES, DISCREPANCIES OR OMISSIONS TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.  
 ALL WORK TO BE RECONSIDERED WITH GOOD AND ACCEPTED USUAL BUILDING PRACTICE.  
 FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.  
 LARGEST SCALE DETAIL SUPERSET TO SMALLER DIMENSIONS.  
 TOLERANCES TO BE TAKEN IN ACCORDANCE WITH ANGLES AND CONSULT THE ENGINEER.  
 ALL BUILDING EYEWAYS, HEALTH AND FIRE REQUIREMENTS TO BE STRICTLY ADHERED TO.  
 THE DESIGN ON THIS DRAWING IS THE PROPERTY OF JEREMIE MALAN ARCHITECTS CC.

**DRAWING REVISION BLOCK**

DATE	PERSON	COMMENTS
20-07-2016	GP	ISSUE SUBJECT
10-02-2017	GP	<ul style="list-style-type: none"> <li>Changed total area to Orientation Centre</li> <li>Change perimeter to Mapungubwe Centre</li> <li>Added 3.7kg average person weight</li> <li>Added stairs to walkway</li> <li>Added a notice table to reception area</li> <li>Revised Access Point</li> <li>Added notes added</li> <li>UAC added</li> <li>Added air conditioning</li> <li>Cost of 500kg app added to wall cladding</li> <li>Door locking and fire protection</li> <li>New roof to be added</li> <li>Revised construction and party to include orientation wall</li> <li>Added a sign post for the arrival of visitors who</li> <li>General zoning table is included in table</li> </ul>



**INFORMATION ONLY**  
**SANPARKS - ORIENTATION CENTRE**



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 J MALAN & CAP REG. NO. 2009/MR/5075/PA/ WADKZESA WAZIPI

DISCIPLINE:  
**ARCHITECTURE**

ADDRESS:  
**SANPARKS MAPUNGUBWE HERITAGE SITE - SCHRODA / ZHILO ORIENTATION CENTRE**

DRAWING TITLE:  
**SKETCH PLANS**

**SECOND DISCUSSION AREA - MAPUNGUBWE**

REF NO	DESIGNED
521	Designer
SCALE	DRAWN
1 : 50	Author
DATE	CHECKED
20.10.2014 04:12:30 PM	Checker
ARCHITECTURAL FIRM DRAWING NO.	ARCHITECTURAL FIRM REVISION NO.
SK1_009	8



3D PERSPECTIVE - SOUTH EAST



3D PERSPECTIVE - INTERIOR



3D PERSPECTIVE - ENTRANCE

GENERAL NOTES:  
 ALL LEVELS, DIMENSIONS AND PORTIONS TO BE CHECKED AND VERIFIED BEFORE ANY WORK IS COMMENCED.  
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 THESE DRAWINGS TO BE USED IN ACCORDANCE WITH ENGINEERING AND CONSULTANT DRAWINGS.  
 ALL BUILDING EYE-ALWAYS HEALTH AND FIRE REQUIREMENTS TO BE STRICTLY ADHERED TO.  
 THE DESIGN ON THIS DRAWING IS THE PROPERTY OF JEREMIE MALAN ARCHITECTS (P) LTD.

**DRAWING REVISION BLOCK**

DATE	PERSON	COMMENTS
26-07-2016	GP	PREPARED FOR CLIENT
10-02-2017	GP	<ul style="list-style-type: none"> <li>Changed initial name to 'Orientation Centre'</li> <li>Change of program to include guided walks</li> <li>Vehicle &amp; bicycle parking removed</li> <li>Change of access driveway</li> <li>Working in section added to foundation analysis</li> <li>Revised column layout</li> <li>Stair notes added</li> <li>STAC notes added</li> <li>Roofs are amended</li> <li>Cost of 600k cap added to costings</li> <li>Some landscaping and site preparation</li> <li>New columns to be added</li> <li>Revised construction and program to include orientation and</li> <li>Added set points for added to second of discussion area</li> <li>General zoning outline included at bottom</li> </ul>



**INFORMATION ONLY**  
**SANPARKS - ORIENTATION CENTRE**



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LEGISLATION  
**ARCHITECTURE**

ADDRESS  
**SANPARKS MAPUNGUBWE HERITAGE SITE - SCHRODA / ZHIHO ORIENTATION CENTRE**

DRAWING TITLE  
**SKETCH PLANS**

**SECOND DISCUSSION AREA - MAPUNGUBWE**

REF NO	DESIGNED
521	Designer
SCALE	DRAWN
1 : 50	Author
DATE	CHECKED
20170214 12:10:00 PM	Checker
ARCHITECTURAL FORM DRAWING NO	ARCHITECTURAL FORM REVISION NO
SK1_009	B

# SCHRODA / ZHIZO CONTEXTUAL SUMMARY

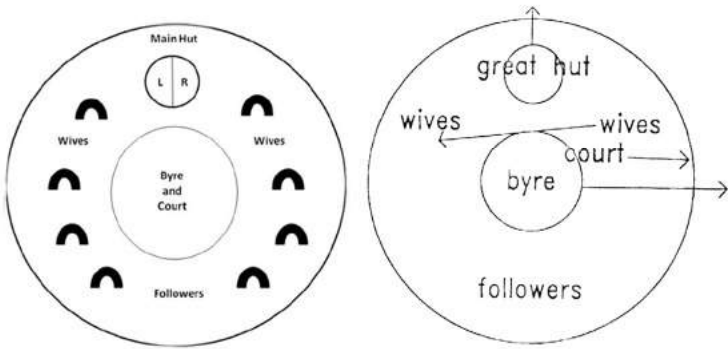
POPULATION: ZHIZO PEOPLE, IRON AGE FARMING COMMUNITY  
 PERIOD: 900AD - 1020AD

Schroda is significant for the history of the MCL because of its size and its midden contents, because it is the earliest site in the Limpopo Valley with exotic glass beads and a large amount of worked ivory, and because it yielded an extraordinary cache of ceramic (baked clay) figurines.

Schroda is estimated to have housed between 300 and 500 people. This in turn implies a level of political power that is not evident at any other sites in the MCL at this time. The system of political hierarchy in place at that time implies that a chief would have been resident at the Schroda capital.



SPATIAL DIAGRAMS OF THE CENTRAL CATTLE PATTERN



Figurines of larger and mythical wild animals associated with female initiation rituals.



Figurines of domesticated animals associated with male initiation rituals.



GAME BOARDS ENGRAVED IN ROCK



GRINDING SCOOPS

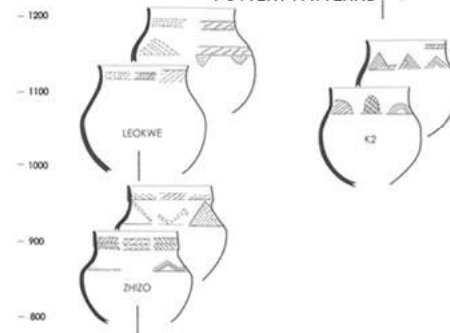


IRON ASSOCIATED WITH MEN



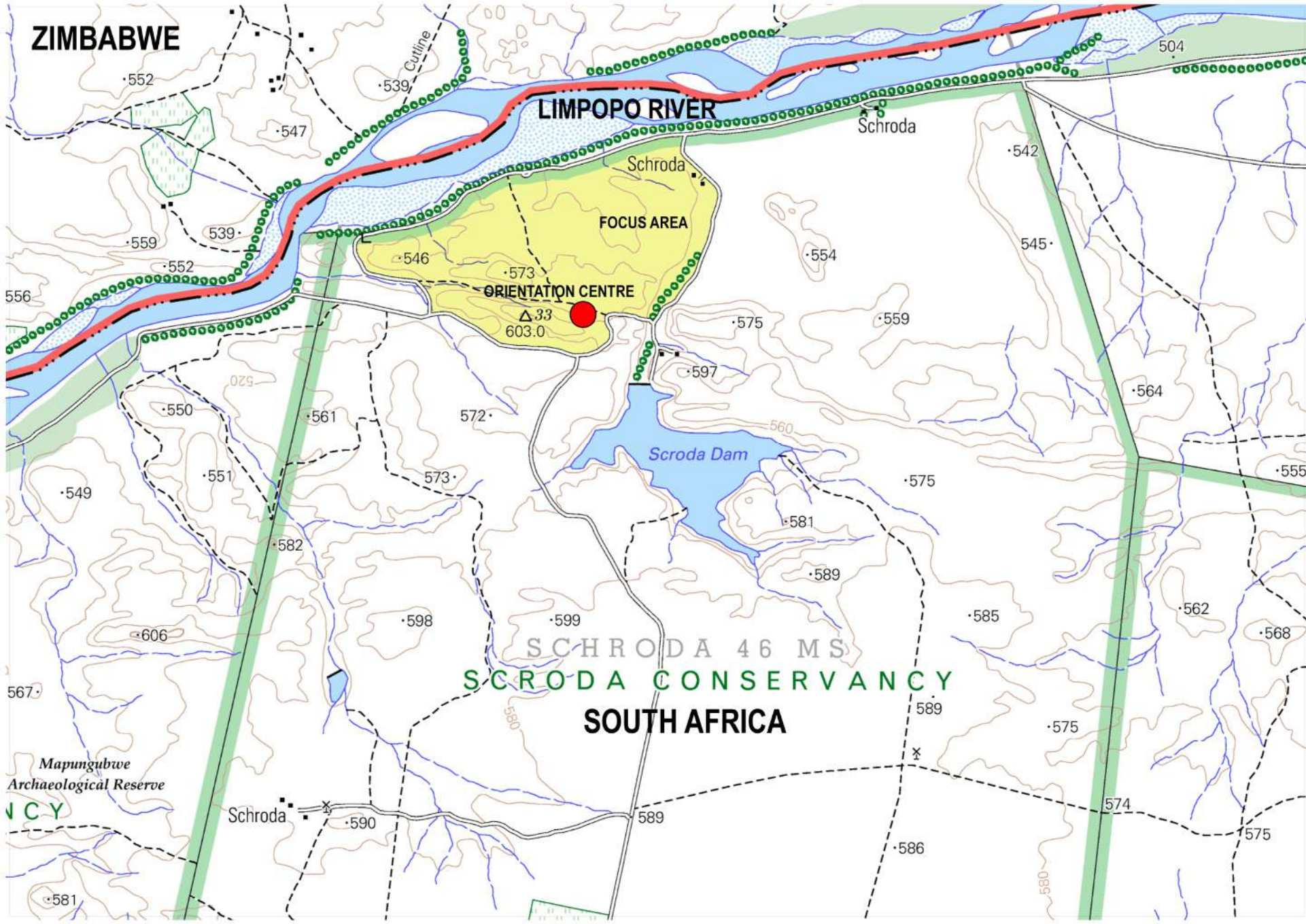
COPPER ASSOCIATED WITH WOMEN

POTTERY PATTERNS



BEADWORK FROM SCHRODA





ZIMBABWE

LIMPOPO RIVER

ORIENTATION CENTRE

SOUTH AFRICA

SCHRODA 46 MS  
SCRODA CONSERVANCY

Mapungubwe  
Archaeological Reserve

V.C.Y.

Schroda

Schroda

Schroda

Scroda Dam

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Schroda

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580



GENERAL NOTES:  
ALL LEVELS, DIMENSIONS AND PORTIONS TO BE CHECKED AND VERIFIED BEFORE ANY WORK IS COMMENCED  
ANY OMISSIONS, DEFICIENCIES OR OMBATIONS TO BE REPORTED TO THE ARCHITECT IMMEDIATELY  
ALL WORK TO BE EXECUTED IN ACCORDANCE WITH GOOD AND ACCEPTED LOCAL BUILDING PRACTICES  
FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS  
LARGE SCALE DETAIL SUPPLEMENTARY DRAWING DRAWINGS  
ALL CHANGES TO BE REPORTED TO ARCHITECT IMMEDIATELY AND CONSULTANT APPROVED  
ALL BUILDING BY LAWS, HEALTH AND FIRE REQUIREMENTS TO BE STRICTLY ADHERED TO  
THE DESIGN ON THIS DRAWING IS THE PROPERTY OF JEREMIE MALAN ARCHITECTS

DRAWING REVISION BLOCK

DATE	PERSON	COMMENTS
20-07-2016 <td>GP <td>PREPARED BY CLIENT</td> </td>	GP <td>PREPARED BY CLIENT</td>	PREPARED BY CLIENT
10-02-2017 <td>GP <td>- Changed initial name to 'Orientation Centre' - Client provided the Mapungubwe Centre - Various site planning - Working in accordance with the orientation centre - General layout - New sites added - LSCC map added - Client site plan added to drawings - Some landscaping and site plan added - New site plan added to drawings - Added site plan for the site plan of the site - General site plan added to drawings</td> </td>	GP <td>- Changed initial name to 'Orientation Centre' - Client provided the Mapungubwe Centre - Various site planning - Working in accordance with the orientation centre - General layout - New sites added - LSCC map added - Client site plan added to drawings - Some landscaping and site plan added - New site plan added to drawings - Added site plan for the site plan of the site - General site plan added to drawings</td>	- Changed initial name to 'Orientation Centre' - Client provided the Mapungubwe Centre - Various site planning - Working in accordance with the orientation centre - General layout - New sites added - LSCC map added - Client site plan added to drawings - Some landscaping and site plan added - New site plan added to drawings - Added site plan for the site plan of the site - General site plan added to drawings



INFORMATION ONLY  
SANPARKS - ORIENTATION CENTRE



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J.M.A./S.G.A.P. REG. NO. 3926/MR./S.O.T/PA/ WAZ/22/S.A. MASHI

DISCIPLINE  
ARCHITECTURE  
ADDRESS  
SANPARKS MAPUNGUBWE  
HERITAGE SITE - SCHRODA / ZHIZO  
ORIENTATION CENTRE  
DRAWING TITLE  
SKETCH PLANS  
LOCATION MAP - SCHRODA ZHIZO

REF NO	DESIGNED
521	JM
SCALE	DRAWN
1 : 10	GIP
DATE	CHECKED
2017/02/15 10:30:42 AM	JM
ARCHITECTURAL TERM	ARCHITECTURAL TERM
DRAWING NO	REVISION NO
SK1_010	B

**1**

CUSTOM MADE BENCHES TO INCLUDE DISPLAY CASES  
BENCHES ARE BUILT-IN TO ALLOW FOR CIRCULATION AROUND THEM




**2**

FEATURE ARTWORK IS A REPLICATED STATUE OF THE MORABARABA ROCK BOARD GAME  
THIS PIECE REPRESENTS THE GUARDS WAITING OUTSIDE



**3**

SCALED TERRAIN MODEL DEPICTING THE SITE, INDICATING IMPORTANT LANDMARKS AND PLACEMENT.  
- GUIDES CAN USE MODEL TO EXPLAIN SITE



**4**

SCHRODA AND Z-HIZO EXHIBITION AREAS  
INFORMATION BOARDS ABOUT THE SURROUNDING AREAS AND DISPLAY FURNITURE TO HOUSE REPLICA RELICS



**5**

STEEL FRAME AND IN-FILL STRUCTURE:  
STRUCTURE AND INFILL DERIVED FROM VERNAICULAR BUILDING TYPE BUT NOT COPIED

- OFFSITE FABRICATION
- RAPID AND WASTE FREE CONSTRUCTION METHOD
- MODULAR FOR EASY OF CONSTRUCTION
- DURABILITY AND VERSATILITY
- PILING FOUNDATIONS (NO STRIP FOUNDATIONS TO DISTURB EARTH - BUILT ON A FLOATING FLOOR SUSPENDED ABOVE THE GROUND LEVEL. ROOF SLOPES FOR RAINWATER RUNOFF)
- GOOD NATURAL LIGHT RECEIVED FROM CLERESTORY WINDOW.
- BUILDING USES HORIZONTAL LINES TO REDUCE VISUAL IMPACT.
- PRECEDENT BASED ON MIES VAN DER ROHE, FARNWORTH HOUSE TO REFLECT MODERN, FLOATING, STRUCTURE AND INFILL ARCHITECTURE. SET IN NATURAL LANDSCAPE
- GRAPHIC DECAL IMPRINTED IN CONCRETE FLOOR TO REPRESENT VERNAICULAR BUILDING STRUCTURES

NOTE:  
SOLID SHEETING REPRESENTS ROCK (POSITIVE SPACE)  
GLAZING REPRESENTS CREVICE (NEGATIVE SPACE)



FARNWORTH HOUSE BY MIES VAN DER ROHE. Photo by Katelyn Smith

GENERAL NOTES:  
ALL LEVELS, DIMENSIONS AND PORTIONS TO BE CHECKED AND VERIFIED BEFORE ANY WORK IS COMMENCED  
ANY CHANGES, DEVIATIONS OR OMISSIONS TO BE REPORTED TO THE ARCHITECT IMMEDIATELY  
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FIXED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS  
LARGEST SCALE DETAIL SUPERSEDES SMALLER SCALE DRAWINGS  
ALL DIMENSIONS TO BE TAKEN TO FACE UNLESS OTHERWISE SPECIFIED  
ALL BUILDING BY-LAWS, HEALTH AND FIRE REQUIREMENTS TO BE STRICTLY ADHERED TO  
THE DESIGN ON THIS DRAWING IS THE PROPERTY OF JEREMIE MALAN ARCHITECTS PT LTD

**DRAWING REVISION BLOCK**

DATE	PERSON	COMMENTS
26-07-2016	GP	REVISION TO CLIENT
19-02-2017	GP	- Changed initial name to 'Orientation Centre' - Client provided for more signage details - Various 3D fly throughs generated - Initial interior drawing - Working in a section order to installation order - Revised interior layout - New sites added - HVAC system added - Furniture arranged - Cost of fit-out now added to tenderings - Some landscaping and site arrangement - New site plan to be added - Revised construction details to include excavation and - Added an 'Approach' detail for second floor plan - General zoning outline corrected at all scales



**INFORMATION ONLY**  
**SANPARKS - ORIENTATION CENTRE**



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J.M.A./S.G.A.P. REG. NO. 305/MS/2014/000425/S.A. ARCHT

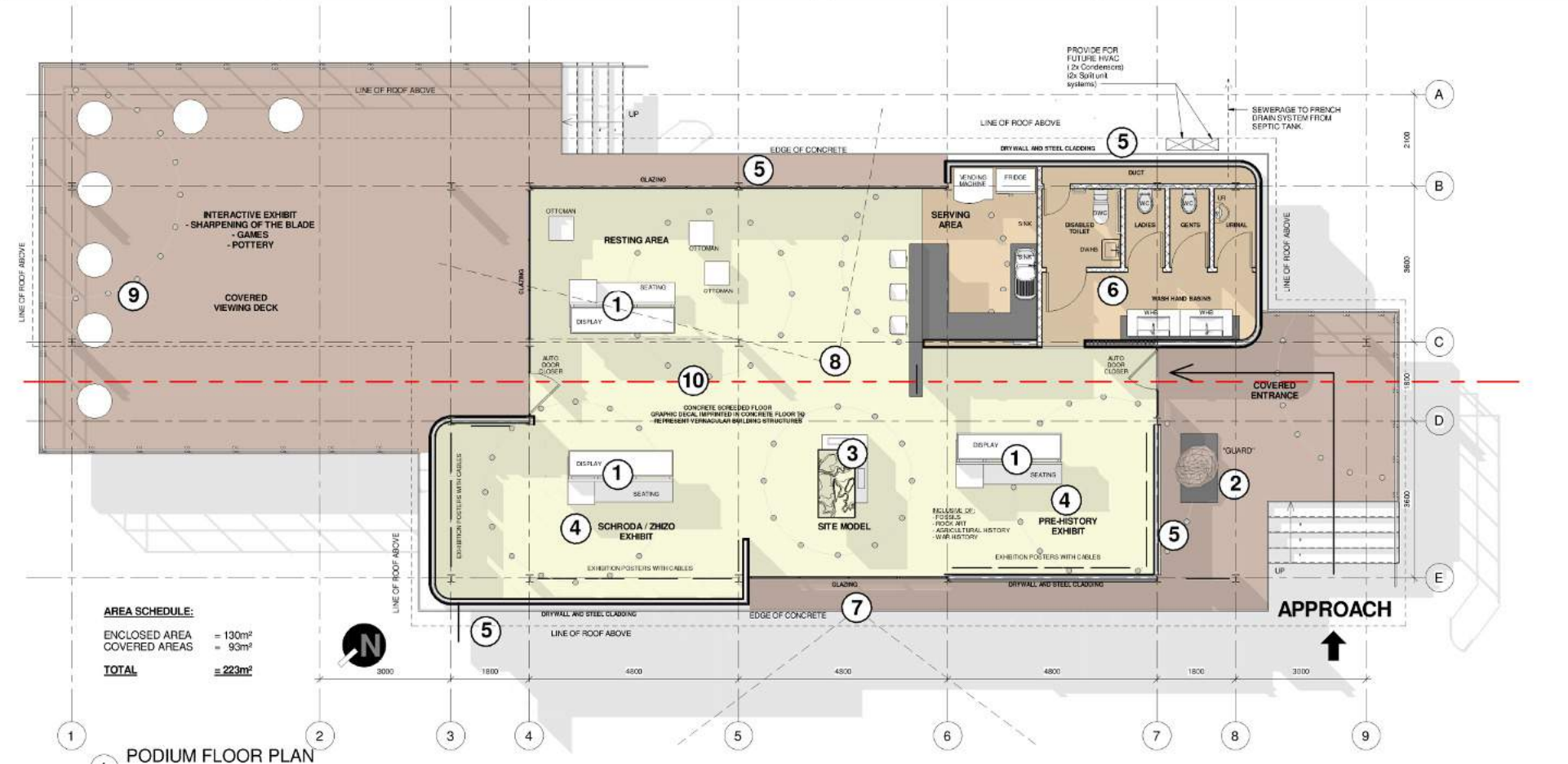
DISCIPLINE: ARCHITECTURE

ADDRESS: SANPARKS MAPUNGBUWE HERITAGE SITE - SCHRODA / ZHIZO ORIENTATION CENTRE

DRAWING TITLE: SKETCH PLANS

PLAN ANALYSIS - SCHRODA / ZHIZO

REF NO	DESIGNED
521	JM
SCALE	DRAWN
1 : 50	CIP
DATE	CHECKED
20.10.2014 12:39:23 PM	JM
ARCHITECTURAL TEAM	ARCHITECTURAL TEAM
SK1_012	B



**AREA SCHEDULE:**  
ENCLOSED AREA = 130m<sup>2</sup>  
COVERED AREAS = 93m<sup>2</sup>  
**TOTAL = 223m<sup>2</sup>**


**6**

SERVICE CORE  
- ALL WET SERVICES ARE GROUPED TO SHARE A CONCEALED DUCT.  
- NO SERVICES ON THE EXTERIOR  
- PRACTICAL SHARED TOILET CONCEPT  
- MALE URINAL CURBICLE  
- MALE TOILET CURBICLE  
- FEMALE TOILET CURBICLE  
- DISABLED TOILET CURBICLE

- DRAINAGE DIRECTED TO AGRICULTURAL DRAIN / FRENCH DRAIN  
- NO HOT WATER GEYSER  
- HOT / COLD WATER DISPENSER IN THE KITCHENETTE  
- KITCHENETTE ACTS AS A SERVER (NO COOKING)  
- FOOD: PRE-PACKED IN FRIDGE FOR PICNICS  
- VENDING MACHINE


**7**

VIEW:  
- FROM VALLEY TO THE SOUTH DEPICTING ROCKY HILL OUTCROPS  
- ACCESS ROAD INDICATED ON PHOTOGRAPH (a)  
- POSITION OF INTERPRETATION CENTRE (b)




**8**

VIEW:  
- LIMPOPO SASHE RIVER VALLEY FROM THE BUILDING



**9**

FLOATING VIEWING DECKS SUSPENDED OVER NATURAL SURROUNDINGS.  
DECKS HAVE BEEN DESIGNED TO ENSURE BEST VIEWS.  
INTERACTIVE EXHIBITION FOR THE 'SHARPENING OF BLADES'



**10**

VIEWS:  
LOCATED AT THE FOOT OF THE HILL CLOSE TO ACCESS ROAD, TO MINIMIZE VISUAL IMPACT.  
MINIMIZING NEW ROADS  
AXIS ON THE VALLEY TO THE WEST  
FULL VIEW OF LIMPOPO SASHE RIVER BASIN  
BUILDING ROOFS AND FLAT APPEARANCE MELTS INTO FOOT HILL

**SCHRODA / ZHIZO**



VIEW LOOKING SOUTH TOWARDS BUILDINGS FROM LIMPOPO VALLEY



INTERIOR VIEW OF RESTING AREA AND VIEWS



INTERIOR VIEW OF SERVER AND EXHIBITION SPACES



VIEW OF ENTRANCE LOOKING TOWARDS LIMPOPO - SHASHE VALLEY

**GENERAL NOTES**  
 ALL LEVELS, DIMENSIONS AND PORTIONS TO BE CHECKED AND VERIFIED BEFORE ANY WORK IS COMMENCED.  
 ANY MISSING DIMENSIONS OR OMISSIONS TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.  
 ALL WORK TO BE IN ACCORDANCE WITH GOOD AND ACCEPTED LEGAL BUILDING PRACTICE.  
 FINISHED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.  
 LARGE SCALE DETAIL SUPERSEDES SMALL SCALE DRAWINGS.  
 THESE DRAWINGS TO BE READ IN ACCORDANCE WITH BUSINESS AND CONSULTANT DRAWINGS.  
 ALL BUILDING SYSTEMS, HEALTH AND FIRE REQUIREMENTS TO BE STRICTLY ADHERED TO.  
 THE DESIGN ON THIS DRAWING IS THE PROPERTY OF JEREMIE MALAN ARCHITECTS P.

**DRAWING REVISION BLOCK**

DATE	PERSON	COMMENTS



**INFORMATION ONLY**  
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J. MALAN SACAP REG. NO. 190/NA, 501/PA, 800423/SAIA 0423/AF

DISCIPLINE:  
**ARCHITECTURE**

ADDRESS:  
**SANPARKS MAPUNGBUWE HERITAGE SITE - SCHRODA ZHIZO INTERPRETATION CENTRE**

DRAWING TITLE:  
**SKETCH PLANS**

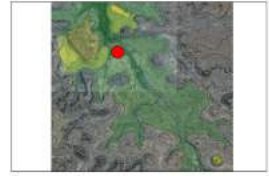
**3D PERSPECTIVES - SCHRODA ZHIZO**

REF NO: 521	DESIGNED JM
SCALE 1 : 1	DRAWN GP
DATE 2016/07/21 08:30:00 AM	CHECKED JM
ARCHITECTURAL FIRM DRAWING NO SK1_013	ARCHITECTURAL FIRM REVISION NO A

GENERAL NOTES  
 ALL LEVELS, DIMENSIONS AND POSITIONS TO BE CHECKED AND VERIFIED BEFORE ANY WORK COMMENCES  
 ANY ERRORS, OMISSIONS OR OMISSIONS TO BE REPORTED TO THE ARCHITECT IMMEDIATELY  
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 DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALE DIMENSIONS  
 LARGE SCALE DETAILS AND FINISHES SHALL BE PROVIDED  
 THESE DRAWINGS TO BE READ IN ACCORDANCE WITH NUMBERS AND CONSULTANT DIMENSIONS  
 ALL BUILDING REGULATIONS AND REQUIREMENTS TO BE STRICTLY OBSERVED  
 THE DESIGN ON THIS DRAWING IS THE PROPERTY OF JEREMIE MALAN ARCHITECTS CC

**DRAWING REVISION BLOCK**

DATE / PERSON	COMMENTS
28-07-2018 GP	PROVIDE TO CLIENT
13-03-2017 GP	<ul style="list-style-type: none"> <li>Change project name to "Orientation Centre"</li> <li>Get approval for "Mapungubwe Centre"</li> <li>Finalize site plan and zoning</li> <li>Finalize site plan and zoning</li> <li>Finalize site plan and zoning</li> <li>Finalize site plan and zoning</li> <li>Finalize site plan and zoning</li> <li>Finalize site plan and zoning</li> <li>Finalize site plan and zoning</li> <li>Finalize site plan and zoning</li> </ul>



**INFORMATION ONLY**  
**SANPARKS - ORIENTATION CENTRE**



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 ARCHITECTS  
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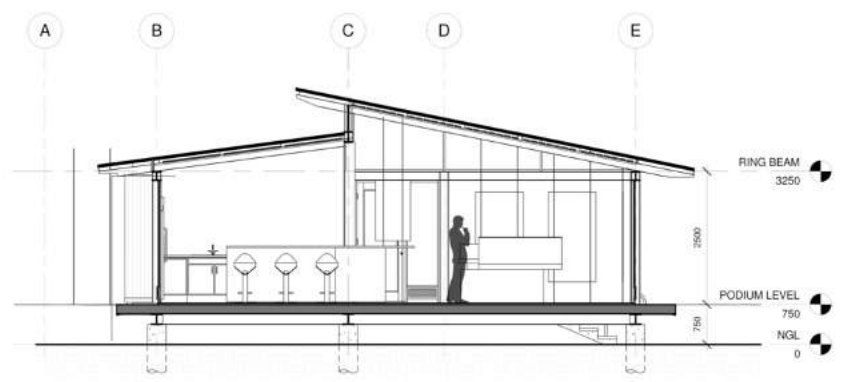
**DISCIPLINE**  
**ARCHITECTURE**

**ADDRESS**  
**SANPARKS MAPUNGUBWE**  
**HERITAGE SITE - MAPUNGUBWE / K2**  
**ORIENTATION CENTRE**

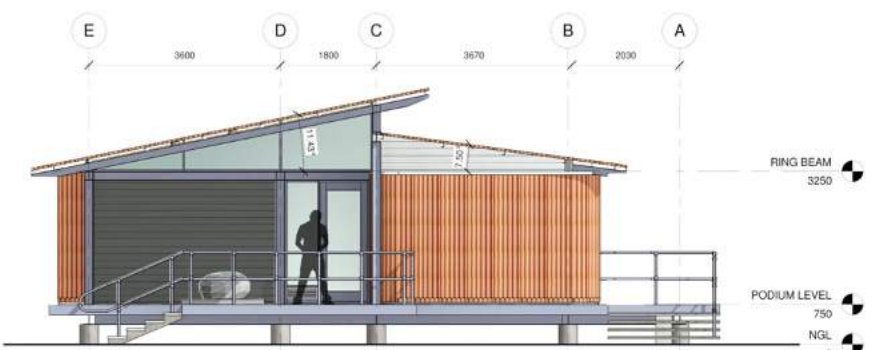
**DRAWING TITLE**  
**SKETCH PLANS**

**SECTIONS AND ELEVATIONS**

REF NO.	DESIGNED
521	Designer
SCALE	DRAWN
	Author
DATE	CHECKED
28-07-2018 12:18:00 PM	Checker
ARCHITECTURAL FIRM	ARCHITECTURAL FIRM
DRAWING NO.	REVISION NO.
SK1_014	8



A-A SECTION A-A  
 1 : 50



1 SOUTH EAST ELEVATION  
 1 : 50



SOUTH WEST ELEVATION  
 1 : 50



NORTH EAST ELEVATION  
 1 : 50