REFERENCES

ANADARKO DRAWING NO.

DRAWING DESCRIPTION

EA-MZ-CI0100-WOR-E05-00795-01

COMMUNITY FACILITIES: MARKET, TOILETS: DETAILS OF TOILET FACILITIES

1. ENVIRO LOO SUITABLE FOR INDUSTRIAL USE

CAPACITY PER ENVIRO LOO, 20 TO 40 USERS PER DAY.

2. ENVIRO LOO TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

NOTE:

FOUNDATIONS AS PER STRUCTURAL ENGINEER'S DRAWING NO. WA-MZ-CI0100-WOR-E05-00016-01

FOR BUILDING SPECIFICATIONS AND DETAILS REFER TO ARCHITECTURAL DRAWING NO. EA-MZ-CI0100-WOR-E04-0091-01

FOR SEPTIC TANK DETAILS REFER TO DRAWING NO. EA-MZ-CI0100-WOR-E05-00795-05

FOR POSITION AND LAYOUT REFER TO DRAWING NO. EA-MZ-CI0100-WOR-E05-00795-01

REFERENCE:

SANITATION LAYOUT SHEET 1 OF 3

COMMUNITY FACILITIES: MARKET, RETICULATIONS

SEPTIC TANK INSTALLATION SHEET 3 OF 3

COMMUNITY FACILITIES: MARKET, TOILETS: INTERNAL RETICULATIONS

COMMUNITY FACILITIES: MARKET, TOILETS: DETAILS OF TOILET FACILITIES

COMMUNITY FACILITIES: MARKET, TOILETS: INTERNAL RETICULATIONS

COMMUNITY FACILITIES: MARKET, TOILETS: DETAILS OF TOILET FACILITIES
1. SOAK AWAYS

1.1 CONSTRUCTION OF SOAK AWAYS:

1.1.1 LEAD PERFORATED DRAINAGE PIPE WITH THE SLUICES AT THE BOTTOM, LAY IN TRENCHES OF A UNIFORM GRADIENT NOT STEEPER THAN 1:10. PERFORATED FLEXIBLE TYPE PIPE IS NOT ALLOWED.

1.1.2 THE LENGTH OF A SINGLE TRENCH SHOULD NOT EXCEED 50m.

1.1.3 CONNECT DRAINAGE TRENCHES OF A SIMILAR INTERNAL SURFACE TO BE PLASTERED WITH WATERPROOF MORTAR, CHEMICAL OR SIMILAR APPROVED.

1.1.4 BLOCK WORK (AS WANTED)

1.1.5 INTERNAL SURFACES TO BE PLASTERED WITH WATERPROOF MORTAR, CHEMICAL OR SIMILAR APPROVED.

1.1.6 REINFORCED CONCRETE FLOOR SLAB (SEE NOTE 2.2)

1.1.7 DRAINAGE TRENCHES SHOULD BE 100mm HIDE WITH A LAYER OF UNDISTURBED SOIL OF MINIMUM 150mm THICKNESS.

1.1.8 A SOAK AWAY SHALL:

a) BE TO CONSTRUCTED FULLY DENSED SOIL TO CAUSE THE POLLUTION OR EFFLUENT TO BE SUCKED INTO THE TRENCH OR DRAIN.

b) BE TO HAVE A PREDICTED RATE THAT EXCEEDS 2000 L/MIN.

c) BE TO BE CONSTRUCTED ADJACENT TO A SOAK AWAY IN SUCH A MANNER TO BE ADVERSELY AFFECTED BY ITS DISCHARGE.

1.1.9 THE SOAK AWAY AND ASSOCIATED DRAINAGE MUST COMPLY WITH SANS 0252-2 AND SANS 10400-P: 2010.

1.1.10 DRAINAGE TRENCHES SHOULD BE 750mm WIDE WITH AREAS OF UNDISTURBED SOIL OF MINIMUM 3.6m WIDE BETWEEN PARALLEL TRENCHES.

1.1.11 SOAK AWAYS SHOULD PREFERABLY BE CONSTRUCTED ALONG THE TRENCHES, UNLESS THE LEVEL OF THE WATER TABLE IS, OR MIGHT BE SUCH THAT THE SOAK AWAY WOULD BE COMpletely COVERED WITH SOIL.

1.1.12 SOAK AWAY SHELLS ARE TO BE CONSTRUCTED "IN PLACE" IN ACCORDANCE WITH SANS 1882:2003 OR SIMILAR APPROVED.

1.1.13 SOAK AWAYS SHOULD BE LAID ON CLEAN GRAVEL OR BROKEN GRADE 1 STONE (20mm - 50mm).

1.1.14 GEOTEXTILE MEMBRANE

1.1.15 DRAINAGE TRENCHES SHOULD BE LAID ON A FINE GRAVEL BASE LAY IN TRENCHES OF A UNIFORM GRADIENT NOT STEEPER THAN 1:10. PERFORATED FLEXIBLE TYPE PIPE IS NOT ALLOWED.

1.1.16 WHERE EFFLUENT FLOW OUT DUE TO THE CONTOURS OF, OR THE STRATA FORMING, THE GROUND; THE SITE TO BE AFFECTED BY SUCH EFFLUENT IS OF mins. WHERE THE LEVEL OF THE WATER TABLE IS, OR MIGHT BE SUCH THAT THE SOAK AWAY WOULD BE COMpletely COVERED WITH SOIL.

2. STRUCTURAL

2.1 ALL SEPTIC TANK EXCAVATION WORK TO BE COMPACTED TO H < 1200 mm AUDIT.

2.2 ALL FLOOR AND COVER SLABS TO BE REINFORCED WITH MESH REF. 888, PLACED IN ACCORDANCE WITH SANS 1882:2003 OR SIMILAR APPROVED.

2.3 CONCRETE STRENGTH REQUIREMENTS AT 28 DAYS: 30/19 MPa.

2.4 ALL 200mm BLOCK WORK TO BE FILLED WITH CONCRETE (30 MPa/19mm).

2.5 WHERE THE LEVEL OF THE WATER TABLE IS, OR MIGHT BE SUCH THAT THE SOAK AWAY WOULD BE COMPLETELY COVERED WITH SOIL.

2.6 WHERE EFFLUENT MIGHT FLOW OUT DUE TO THE CONTOURS OF, OR THE STRATA FORMING, THE GROUND;

A. TYPICAL SIDE SECTION DETAIL

NOTES

- ISSUED FOR CONSTRUCTION
- ISSUED FOR CLIENT APPROVAL
- ISSUED FOR SQUAD CHECK

REFERENCES

DRAWING
DRAWING DESCRIPTION
C0-BZ-C0109-A01-0092
COMMUNITY FACILITIES: MARKET DETAILS OF TOILET FACILITIES SHEET 2 OF 2
C0-BZ-C0109-A01-0091
COMMUNITY FACILITIES: MARKET DETAILS OF TOILET FACILITIES SHEET 1 OF 3
C0-BZ-C0109-A01-0093
COMMUNITY FACILITIES: MARKET WATER AND DRAINAGE OUTLET SHEET 1 OF 3

REVISIONS

0 18/01/2015

D4X0290-05 JOB 05-0262 00-00

E4-BZ-C0109-A02-0076 01

For construction and operation of waste disposal facilities, specific limitations may apply. Please consult with local authorities for further details.
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**Client:** WorleyParsons RSA (Pty) Ltd.

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**Revisions:**

- **04/08/15 ISSUED FOR INTERNAL REVIEW A D. d T. A.U.**
- **28/09/15 ISSUED FOR SQUAD CHECK C D. d T. A.U.**
- **13/10/15 ISSUED FOR CLIENT REVIEW D D. d T. A.U.**
- **30/10/15 E D. d T. A.U. ISSUED FOR CLIENT APPROVAL**
- **01/12/15 0 D. d T. A.U. ISSUED FOR CONSTRUCTION**
##-setoutCoordinates

###Platform 21
- **E1**: 895002.26, **N**: 1958972.12, **Elevation**: 32.04
- **P1**: 895002.26, **N**: 1958972.12, **Elevation**: 32.04
- **P2**: 895002.09, **N**: 1958972.06, **Elevation**: 32.08

###Platform 22
- **P1**: 895005.29, **N**: 1958972.36, **Elevation**: 32.04
- **P2**: 895005.29, **N**: 1958972.36, **Elevation**: 32.04
- **P3**: 895005.29, **N**: 1958972.36, **Elevation**: 32.04

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- **P1**: 895002.57, **N**: 1958972.61, **Elevation**: 32.04
- **P2**: 895002.57, **N**: 1958972.61, **Elevation**: 32.04
- **P3**: 895002.57, **N**: 1958972.61, **Elevation**: 32.04

###Platform 24
- **P1**: 895007.39, **N**: 1958972.88, **Elevation**: 32.04
- **P2**: 895007.39, **N**: 1958972.88, **Elevation**: 32.04
- **P3**: 895007.39, **N**: 1958972.88, **Elevation**: 32.04

###Platform 25
- **P1**: 895002.60, **N**: 1958972.98, **Elevation**: 32.04
- **P2**: 895002.60, **N**: 1958972.98, **Elevation**: 32.04
- **P3**: 895002.60, **N**: 1958972.98, **Elevation**: 32.04

###Platform 26
- **P1**: 895007.80, **N**: 1958973.28, **Elevation**: 32.04
- **P2**: 895007.80, **N**: 1958973.28, **Elevation**: 32.04
- **P3**: 895007.80, **N**: 1958973.28, **Elevation**: 32.04

---

##Notes

All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.

---

**Date**: 01/12/2015

**Issued for Construction**:

- **Client**: WorleyParsons RSA (Pty) Ltd.
- **Design**: WorleyParsons RSA
- **Copyright**: WorleyParsons RSA retains the copyright in all intellectual property, including designs and/or documents prepared in terms of this appointment for the project covered by the appointment. The client may use the designs and/or documents for the sole purpose of their intended use on this project only subject to payment for the design having been received. Use for any other purpose, whether or not the design and/or documents have been paid for constitutes an infringement of copyright, and all rights are reserved.

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**Anadarko**

**Mozambique**

**Mass Earth Works**

**Platform Setting Out Plan**

**December 2015**

---

**Reference DWG's No:**

1. EA-MZ-CI000-WOR-E05-00018-01
2. EA-MZ-CI000-WOR-E05-00018-02
### Setting Out Coordinates

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**Scale for Reduced Plan:**

- All dimensions must be verified on site before the works commence. Refer any discrepancies to the engineer.

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**Notes:**

- Copyright reserved.
### SETTING OUT COORDINATES

**PLATFORM 46**  
OGS84 / UTM37S

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### LEGEND

- **FUTU**M DEVELOPMENT

### REFERENCES

- DWG's No:
  1. EA-MZ-CI000-WOR-E05-00018-01
  2. EA-MZ-CI000-WOR-E05-00018-02

### SCALE

- DECEMBRE 2015 1:2000
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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
### Project Information

**Client:**
- Address: 0 39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG
- P.O. Box 61232, MARSHALLTOWN, 2107
- Tel: +27 (0)11 218 3000
- Fax: +27 (0)11 218 3100
- Website: www.worleyparsons.com

**WorleyParsons RSA (Pty) Ltd.**

**PROJECT**

### Mass Earth Works

**DESCRIPTION**

**ISSUED FOR CONSTRUCTION**

**REFERENCES**

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### Notes

- All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.

### Drawing Information

**REVISIONS**

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**SCALE FOR REDUCED PLAN**

50mm ON ORIGINAL DRAWING

**DRAWING DESCRIPTION**

### Platform Setting Out Coordinates

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### Platform Settling Out Plan

- Reference DWG's No:
  - 1. EA-MZ-CI000-WOR-E05-00018-01
  - 2. EA-MZ-CI000-WOR-E05-00018-02

### Anadarko

**Resettlement Village**

**MASS EARTH WORKS**

**PLATFORM SETTING OUT PLAN**
<table>
<thead>
<tr>
<th>Anexo I: Projecto de construção da aldeia de reassentamento</th>
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<tr>
<td>Rev. 1</td>
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<td>Data da Rev: 27-Maio-16</td>
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ACABAMENTOS / Finishings

PAVIMENTOS / Pavements

Pv2 - Pavimento de cimento queimado. Concrete floor to have power float finish

TECTOS / Ceilings

Te6 - Laje de cimento armado rebocada e pintada com tinta PVA Painted

PAREDES / Walls

Pa2 - Pintura com tinta esmalte de cor até 1.50m de altura. Colour enamel paint up to 1.50m height

COBERTURA / Roofs

Co2 - Laje de cobertura com betume inaparentizante de acordo com especificações do fabricante sobre betoneira com queda de 1:60 para tubos de queda. Roof slab waterproofed with bitumen torch on to manufacturers spec on screed to fall 1:60 to drop tube

PINTURA / Painting

Para especificações da pintura consultar documento em anexo. For all painting specifications refer to document in annex.

EA-MZ-CI0100-WOR-E02-00101-01

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL

EA-MZ-CI0100-WOR-E04-00018-01

EA-MZ-CI0100-WOR-E05-01430-01

EA-MZ-CI0100-WOR-E05-00040-01

EA-MZ-CI0100-WOR-E04-00019-01

EA-MZ-CI0100-WOR-E05-00040-02

EA-MZ-CI0100-WOR-E04-00051-01

EA-MZ-CI0100-WOR-E05-00050-01

EA-MZ-CI0100-WOR-E05-00052-01

STRUCTURAL

EA-MZ-CI0100-WOR-E05-00005-01

EA-MZ-CI0100-WOR-E05-00006-01

EA-MZ-CI0100-WOR-E05-00007-01

EA-MZ-CI0100-WOR-E05-00008-01

WATER

EA-MZ-CI0100-WOR-E05-00113-01

EA-MZ-CI0100-WOR-E05-01431-01

EA-MZ-CI0100-WOR-E05-01432-01

EA-MZ-CI0100-WOR-E05-01433-01

ELECTRICAL

EA-MZ-CI0100-WOR-E02-00101-01

MIMBAR

Mihrab

D8

D8

W6

W6

W6

W6

W6

W6

Grelha de betão 200x200 mm

Hollow concrete blocks 200x200 mm

PAREDE DE MADEIRA MOVEL

movable wood privacy wall

ENTRADA FEMININA

Female Entrance

ENTRADA MASCULINA

Male Entrance

AREA DE REZA

Prayer Hall

AREA DE REZA FEMININA

Female Prayer Hall

ARRUMO DE SAPATOS

Shoe Storage

39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG

P.O. Box 61232, MARSHALLTOWN, 2107

TEL: +27 (0)11 218 3000

FAX: +27 (0)11 218 3100

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WorleyParsons RSA (Pty) Ltd.
### Notes

- **Public Toilets**

#### Concrete Details

- Roof slab waterproofed with bitumen torch on to manufactures spec. on consent to 1:60 to drop tube.

- Passage in "PolyCem polymer" or similar, colour to client.

- Portão metalico com rede de acordo com as especificações do arquitecto.

- Talação Nº1034

#### Dimensions

- Latitude: -10.82859
- Longitude: 40.51157

#### Appears To Revisit

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#### Scale

- Scale for reduced plan

---

**Site & Roof Plan**

- **Latrinas**
- **Public Toilets**
- **Talação Nº1034**
- **Portão metalico com rede de acordo com as especificações do arquitecto.**

---

**Site & Roof Plan**

- **Latrinas**
- **Public Toilets**
- **Talação Nº1034**
- **Portão metalico com rede de acordo com as especificações do arquitecto.**
Laje de coberturas com tijolo impermeabilizado de acordo com especificações do fabricante.

Roof slab waterproofed with bitumen torch on to manufactures spec on screed to fall 1:60 to drop tube.

ENTRADA FEMININA
Female Entrance

ENTRADA MASCULINA
Male Entrance

AREA DE REZA
Prayer Hall

movable wood privacy wall

PAREDE DE MADEIRA MÓVEL
Movable wood privacy wall

PLANTA DO PISO
Floor Plan

PLANTA DE COBERTURA
Roof Plan
Piso interno deve estar 450mm do piso terreo. F.F.L. must be min. 450mm above n.g.l.

Legenda

Key

1. Laje de pavimento em betão
   Concrete slab

2. acabamento do pavimento em cimento queimado
   Concrete floor to have power float finish

3. Alvenaria em blocos vazados com espessura de 200mm
   Walls in hollow block 200mm wide

4. Laje de cobertura
   Roof slab

5. Cúpula em betão armado
   Reinforced Concrete dome
ACABAMENTOS / Finishes

PAVIMENTOS / Pavements
Pv2 - Pavimento do pavimento em cimento queimado
Concrete floor to have power float finish

TECTOS / Ceilings
Te6 - Laje de betão armado rebocada e pintada com tinta PVA
Concrete slab ceiling, plastered and PVA Painted

PAREDES / Walls
Pa2 - Pintura com tinta esmalte de cor até 1.50m de altura
Colour enamel paint until 1.50m height

COBERTURA / Roofs
Co2 - Laje de cobertura com batume impermeabilizante de acordo com especificações do fabricante sobre betonilha com queda de 1:60 para tubos de queda
Roof slab water proofed with bitumen torch on to manufacturers spec on screed to fall 1:60 to drop tube

PINTURA / Painting
- Para especificações da pintura consultar documento em anexo.
- All painting specifications refer to document in annex.

EA-MZ-CI0100-WOR-E02-00023-01

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THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-CI0100-WOR-E04-00018-01
EA-MZ-CI0100-WOR-E05-01430-01
EA-MZ-CI0100-WOR-E05-00040-01
EA-MZ-CI0100-WOR-E04-00019-01
EA-MZ-CI0100-WOR-E05-00040-02
EA-MZ-CI0100-WOR-E04-000901-01
EA-MZ-CI0100-WOR-E05-00050-01
EA-MZ-CI0100-WOR-E05-00052-01

STRUCTURAL
EA-MZ-CI0100-WOR-E05-00005-01
EA-MZ-CI0100-WOR-E05-00006-01
EA-MZ-CI0100-WOR-E05-00007-01
EA-MZ-CI0100-WOR-E05-00008-01

WATER
EA-MZ-CI0100-WOR-E05-01131-01
EA-MZ-CI0100-WOR-E05-01431-01
EA-MZ-CI0100-WOR-E05-01431-02
EA-MZ-CI0100-WOR-E05-01431-03

ELECTRICAL
EA-MZ-CI0100-WOR-E02-00101-01

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FAX: +27(0)11 218 3100
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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.

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ALL 200mm WALLS TO BE LOAD BEARING

SLAB FINISH TO SLOPE TOWARDS KEEP HONES FOR EFFECTIVE DRAINAGE

SCALE 1: 50

TO BE LOAD BEARING ALL 200mm WALLS

200mm DEEP RC SLAB COLUMN BELOW

TOC: 3.05m TOP OF WALL ON SLAB

AS SHOWN

DATE

ISSUED FOR CONSTRUCTION

DATE

ISSUED FOR DETAIL DESIGN

DATE

ISSUED FOR INTERNAL REVIEW

DATE

ISSUED FOR CLIENT REVIEW

DATE

ISSUED FOR CLIENT APPROVAL

DATE

ISSUED FOR CONSTRUCTION

DATE
WINDOWS, DOOR & GATE SCHEDULE / Mapa de vãos: Janelas / Portas / Portão

CODE: D8

POSITION: Localização

DESCRIPTION: Porta

FINISHED PRODUCTS:

- Exterior:
  - Mosquiting & Flyscreen: 2 Leaf (inside & outside)
  - Wood frame: to manufacturers specs
  - Ironmongery: 1 Leaf (left) & 1 Leaf (right) + 1 Lock
  - Glazing: 3mm Clear Glass & Mosquito screen

- Interior:
  - Mosquiting & Flyscreen: 2 Leaf (inside & outside)
  - Wood frame: to manufacturers specs
  - Ironmongery: 1 Leaf (left) & 1 Leaf (right) + 1 Lock
  - Glazing: 3mm Clear Glass & Mosquito screen

NOTES:

1. ALL OPENINGS WILL BE OF EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT

2. ALL THE CASEMENT WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF FRAME IN MOSQUITO NET

3. ALL OPENINGS SIZE TO BE CONFIRMED ON SITE BEFORE MANUFACTURING

4. SHOP DRAWINGS TO BE APPROVED BY ARCHITECT BEFORE MANUFACTURING

5. REFER TO WINDOW & DOOR SCHEDULE KEY PLAN

CODE: W6

POSITION: Localização

DESCRIPTION: Janela

FINISHED PRODUCTS:

- Exterior:
  - Mosquiting: 2 leaf inside & 2 leaf outside
  - Enamel doors & terms colour: light brown or equal & approved

- Interior:
  - Mosquiting: 2 leaf inside & 2 leaf outside
  - Wood frame: to manufacturers specs

NOTES:

1. ALL OPENINGS WILL BE OF EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT

2. ALL THE CASEMENT WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF FRAME IN MOSQUITO NET

3. ALL OPENINGS SIZE TO BE CONFIRMED ON SITE BEFORE MANUFACTURING

4. SHOP DRAWINGS TO BE APPROVED BY ARCHITECT BEFORE MANUFACTURING

5. REFER TO WINDOW & DOOR SCHEDULE KEY PLAN
PLANTA
Plan
SCALE/Scale: 1:50

WOOD FRAME AND IRONWORK TO MANUFACTURERS SPEC
SEMI SOLID SLATTED TIMBER DOOR TO BE FROM SWARTLAND OR SIMILAR

ALÇADO FRONTAL
Front Elevation
SCALE/Scale: 1:50

CORTE
Section
SCALE/Scale: 1:50
COMMUNITY FACILITIES - ADMIN. CENTRE INTERNAL DRAINAGE CONNECTIONS

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<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
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<td>1</td>
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<td>No.</td>
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<tr>
<td>2</td>
<td>50mm VENT CONAL</td>
<td>No.</td>
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</tr>
<tr>
<td>3</td>
<td>110 x 87.5° PLAIN BEND</td>
<td>No.</td>
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<td>4</td>
<td>110 ND PVC PIPE</td>
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<td>110 x 50mm - 87.5° VENT CONICAL BEND</td>
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<td>6</td>
<td>20mm VENT CONAL</td>
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<tr>
<td>7</td>
<td>110 x 87.5° PLAIN BEND</td>
<td>No.</td>
<td>1</td>
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<tr>
<td>8</td>
<td>110 x 87.5° SINGLE 87.5° PLAIN-JUNCTION</td>
<td>No.</td>
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<tr>
<td>9</td>
<td>110 ND PVC PIPE</td>
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<td>2m</td>
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COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

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<td>20mm/15mm HDPE / COPPER ADAPTOR</td>
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<tr>
<td>2</td>
<td>90° ELBOW - COPPER</td>
<td>No.</td>
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<tr>
<td>3</td>
<td>TOILETS: STRAIGHT COUPLER. COPPER TO MALE CONN.</td>
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<td>4</td>
<td>KITCHEN B ath/ B ATH/ D ROller: WALL PLATE ELBOW</td>
<td>No.</td>
<td>2</td>
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<tr>
<td>5</td>
<td>WALL PLATE ELBOW TAP CONNECTOR. COPPER TO FEMALE</td>
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<tr>
<td>6</td>
<td>KITCHEN BATH/ HAND WASH/ BATH / SHOWER</td>
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<tr>
<td>7</td>
<td>ISOLATING VALVE</td>
<td></td>
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<tr>
<td>8</td>
<td>20mm HDPE</td>
<td></td>
<td></td>
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<tr>
<td>9</td>
<td>15mm COPPER PIPE</td>
<td>in</td>
<td>3m</td>
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<tr>
<td>10</td>
<td>20mm HDPE</td>
<td></td>
<td>10m</td>
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NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL.

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS.
Piso interno deve estar 450mm do piso terreo F.F.L. must be min. 450mm above n.g.l.

Corte A-A
Section A-A
Escala/Scale 1:50

Legenda/Key

1. Laje de pavimento em betão
   Concrete slab
2. Acabamento do pavimento em cimento queimado
   Concrete floor to have power float finish
3. Alvenaria em blocos vazados com espessura de 200mm
   Walls in hollow block 200mm wide
4. Laje de cobertura
   Roof slab
5. Cúpula em betão armado
   Reinforced Concrete dome
1. Enviro Loo suitable for industrial use. Capacity per Enviro Loo, 20 to 40 users per day.
2. Enviro Loo to be installed in accordance with manufacturer’s specifications.

Section A

<table>
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<th>Drawing Description</th>
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<tr>
<td>Community facilities, Mosque Water and Sanitation Layout Sheet 1/3</td>
<td>EA-MZ-CI0100-WOR-E05-01431-01</td>
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For building specifications and details refer to Architectural Drawing No. GBZ-C0100-WOR-GB01-01.
1. SOAK AWAYS

1.1 CONSTRUCTION OF SOAK AWAYS:

1.1.1 The pipe must be perforated, either at the bottom or halfway up the pipe. The diameter of the pipe shall be at least 100mm nd. The slope of the pipe shall be at least 1:200. Perforated 'Flexicoil' type pipe is not allowed.

1.1.2 The area of the soak away must comply with the area specified on the project plans. The soak away area should be located in areas where the water table is low and not more than 1m away from the site boundary.

1.1.3 All soak aways must be constructed in areas where the water table is low and the area is at least 3m wide between parallel drains.

1.1.4 Soak away trenches should be filled with clean gravel or broken grade 1 stone (20mm - 50mm).

1.1.5 The remainder of the soak away trenches can be filled with broken grade 1 stone (20mm - 50mm). The soak away trenches shall be filled to a level of 50mm above the pipe and covered with a layer of geotextile membrane.

1.1.6 A soak away shall:

a) Be constructed in such a manner as to retain the soil washed out during the operation of the soak away. The soak away shall be constructed in such a manner as to ensure that the fill material is compacted to at least 93% MOD.

b) Be made of materials that allow for the easy flow of water and prevent the washout of the fill material.

1.1.7 The area of the soak away shall be calculated after constructing it to a minimum of three protection tests in the proposed drain field area. The soak away area must comply with the area specified on the project plans.

1.1.8 The soak away area shall be located at least 1m from any building or boundary of the site.

1.1.9 Soak away trenches should be located at least 1m from any building or boundary of the site.

1.1.10 The susceptibility of a water source to pollution (pipes, drainage pipes, boreholes, etc.) is inversely proportional to the size of the soak away area. A soak away area should be constructed in areas where the water table is low and the area is at least 3m wide between parallel drains.

1.1.11 All soak away areas shall be constructed in areas where the water table is low and the area is at least 3m wide between parallel drains.

1.1.12 Lengths of soak away areas determined in accordance with SANS 0252-2 and SANS 10400-P:2010.

1.1.13 No soak away shall be constructed:

a) In areas where the fill material has a water content rate that exceeds 30%.

b) Where the influent is not flowing due to the contours of the site. If the drain is positioned in such a way, the soak away must still be constructed.

c) Where the site is affected by such a prevalent flow that the geotextile is no longer effective in preventing the washout of the fill material.

d) Where the level of the water table is, or may be, such as to prevent adequate percolation.

2. STRUCTURAL

2.1 All septic tank excavation invert must be compacted to 93% MOD and drained.

2.2 All floor and cover slabs must be reinforced with mesh reinforcement. The reinforcement should be placed in the center of the slab.

2.3 Concrete strength requirement at 28 days: 20 MPa.

2.4 All 200mm block work must be filled with concrete (or equivalent).

REFERENCES

SANS 0252-2 AND SANS 10400-P:2010.
12 EDIFÍCIO POLIVALENTE
ACABAMENTOS
Finishings

PAVIMENTOS / Pavements
Pv2 - acabamento do pavimento em cimento queimado
Concrete floor to have power float finish

PAREDES / Walls
Pa1 - pintura com tintas plásticas para exterior de cor, sobre rebarco (e)
Colour external PVA paint on plain plaster
Pa2 - pintura com tinta especial de cor varier 100m de altura (andar) em tinta plástica sobre rebarco lazão à testa
Colour enamel paint on plain plaster on plan plaster on ceiling height

COBERTURA / Roof
Co1 - chapas metálicas esmaltadas com perfil IBR
Metallic enameled sheets with IBR profile

Te1 - tecido falso em placas de gesso cartonado pintadas a tinta plástica

LEGENDA
Key

1. Laje de pavimento em betão
Concrete slab

2. Acabamento do pavimento em cimento queimado
Concrete floor to have power float finish

3. Alvenaria em blocos vazados com espessura de 200mm
Concrete ring beam

4. Efeito de concreto envelhecido pintado a tinta plástica
Wall with plain plaster and PVA paint

5. Parapeito em betão armado
Concrete lintel

6. Viga de concreto armado
Concrete beam

7. Tecido falso em placas de gesso cartonado pintados a tinta plástica
Metallic enameled sheets with IBR profile

8. Cobertura em chapas metálicas esmaltadas com perfil IBR com acabamento Sisolation 405
Metallic enameled roof sheets with IBR profile on graded SA plus batten with isolation 405 roof underlay fixed to prefabricated roof trusses

9. Cunharias em chapas esmaltadas
Enamelled sheet ridge cap

ISSUE CONSTRUCTION WORKS}

THIS DRAWINGS ARE TO BE READ IN
CONSTRUCTION WORKS

ARCHITECTURAL
EA-MZ-CI0100-WOR-E04-00851-01
EA-MZ-CI0100-WOR-E04-00335-01

STRUCTURAL
EA-MZ-CI0100-WOR-E04-00856-01
EA-MZ-CI0100-WOR-E04-00005-01

WATER
EA-MZ-CI0100-WOR-E04-00113-01
EA-MZ-CI0100-WOR-E04-01431-01
EA-MZ-CI0100-WOR-E04-01431-02
EA-MZ-CI0100-WOR-E04-01431-03

ELECTRICAL
EA-MZ-CI0100-WOR-E02-00107-01

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TEL: +27 (0)11 218 3000
www.worleyparsons.com
WorleyParsons RSA (Pty) Ltd.

PLANTA
Planta

SCALE/Scale 1:50

Pares

Nivel Piso Interno /
Level
0.00

Nivel da Cobertura Ridge
Level
+3.70

Backal / Eaves
+2.55

Pa1

Pa1

Co1

Co1

ALÇADO PRINCIPAL
Front Elevation

SCALE/Scale 1:50

Alçado

SCALE/Scale 1:50

CORTE AA
Section AA

SCALE/Scale 1:50

N.G.L.
**ACABAMENTOS**

**Finishings**

**PAVIMENTOS** / Pavements:

Pv2 - Acabamento do pavimento em cimento queimado
Concrete floor to have power float finish

**PAREDES** / Walls:

Pa1 - Pintura com tinta plástica para exterior de cor, sobre reboco
Colour external PVA paint on plain plaster
Pa2 - Pintura com tinta esmaltada de cor até 1.50m de altura sobre tinta plástica para exterior e teto
Colour enamel paint up to 1.50m height on external coating PVA paint on outside wall

**COBERTURA** / Roof:

Co1 - Chapas metálicas esmaltadas com perfil IBR
Metallic enameled sheets with IBR profile

**TECÓTEOS** / Ceilings:

Te1 - Tecto falso em placas de gesso cartonado pintadas a tinta plástica
Gypsum board ceiling painted with Plastic Paint

**LEGENDA**

- **Key**
  - 1_Laje de pavimento em betão
    Concrete slab
  - 2_Acabamento do pavimento em cimento queimado
    Concrete floor to have power float finish
  - 3_Secção em blocos vazados com espessura de 200mm
    Walls in hollow block 200mm wide
  - 4_Penedo com reboco liso, pintada a tinta plástica
    Wall with plain plaster and Plastic Paint
  - 5_Lintel em betão armado
    Concrete lintel
  - 6_Viga de cimento em betão armado
    Concrete beam
  - 7_Tecto falso em placas de gesso-cartonado pintado a tinta plástica
    Gypsum board ceiling painted with Plastic Paint
  - 8_Cobertura em chapas metálicas esmaltadas com perfil IBR com isolamento Sisolation 405
    Enameled metalic roof sheeting with IBR profile on graded 405 Foil Underlay fixed to prefabricated roof trusses
  - 9_Cumeira em chapas metálicas esmaltadas
    Enameled metalic roof sheeting

**REVISIONS**

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<th>CHECKED</th>
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<td>MM</td>
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**FOR CONSTRUCTION**

**ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:**

**ARCHITECTURAL**

EA-MZ-CI0100-WOR-E04-00028-01

**STRUCTURAL**

EA-MZ-CI0100-WOR-E05-00030-01

**ISSUED FOR CONSTRUCTION**

**WorleyParsons RSA (Pty) Ltd.**

www.worleyparsons.com

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FAX: +27(0)11 218 3100

P.O. Box 61232, MARSHALLTOWN, 2107

39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG

EDIFÍCIO MULTIFUNCIIONAL

CEMETÉRIO - LAYOUT DO

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13 RESIDÊNCIAS DO PESSOAL DA POLICIA
STAFF HOUSES - POLICE - INTERNAL DRAINAGE CONNECTIONS

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<td>110/600mm - 90° VENTHORN BEND</td>
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<td>50mm VENT COWL</td>
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<td>110/600mm - DOUBLE 90° PLAN REDUCING JUNCTION</td>
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<td>50mm/63° ACCESS BEND</td>
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<td>50mm ND PVC PIPE</td>
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<td>P-TRAP</td>
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COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

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<td>90° ELBOW - COPPER</td>
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<td>TOILETS:</td>
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<td>STRAIGHT COUPLER, COPPER TO MALE CONNECTION</td>
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<td>KITCHEN SINK / HAND WASH BASH / SHOWER:</td>
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<td>WALL PLATE ELBOW TAP CONNECTOR, COPPER TO FEMALE CONNECTION</td>
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<td>NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL</td>
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<td>ADMIRAL BUILDING</td>
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<td>20mm ND HDPE PIPE</td>
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</table>

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

| NOTE: CONCRETE HOLLOW BLOCK WALL |

| ISOLATING VALVE                  |

| 15mm COPPER PIPE                 |

| 20mm HDPE                         |

| 90° ELBOW - COPPER               |

| STRAIGHT COUPLER, COPPER TO MALE CONNECTION |

| WALL PLATE ELBOW TAP CONNECTOR, COPPER TO FEMALE CONNECTION |

LEGEND:
- 110mm ND PVC PIPE
- 15mm ND COPPER PIPE
- 110mm ND PVC PIPE
- 20mm ND HDPE PIPE
- 40mm ND HDPE PIPE

REFERENCE DRAWINGS:
STAFF HOUSES: POLICE
C00290-00-WW-DRD-0033-001
DOOR SCHEDULE/ Mapa de vãos: Portas

ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED/VERIFIED ON SITE AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.

NOTES:
1. ALL DOORS WILL BE OF WOOD OR EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT.
2. ALL OF THE CASEMENT WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF INSIDE IN MOSQUITO NET.
3. ALL OPENINGS SIZE TO BE CONFIRMED ON SITE BEFORE MANUFACTURING.
4. SHOP DRAWINGS TO BE APPROVED BY ARCHITECT BEFORE MANUFACTURING.
5. REFER TO WINDOW & DOOR SCHEDULE KEY PLAN.

Code: Codigo: D1   Position: Localização       Qtd: 2
                    Suposta Sede External Doors
Frame: Aro: WOOD FRAME TO MANUFACTURERS SPECS
Finish: Acabamentos: 1 COAT PRIMER, 2 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS & TRIM COLOUR "LIGHT BROWN" OR EQUAL & APPROVED
Ironmongery: Ferragens: 102 x 75 x 3 mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR
Glazing: Vidros: Glazing Notes:

Code: Codigo: D2   Position: Localização       Qtd: 5
                    Quartos, wc, cabin
Frame: Aro: WOOD FRAME TO MANUFACTURERS SPECS
Finish: Acabamentos: 3 COATS CLEAR VARNISH
Ironmongery: Ferragens: 102 x 75 x 3 mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR
Glazing: Vidros: Glazing Notes:
WINDOW SCHEDULE/ Mapa de vãos: Janelas

NOTES:
1. ALL DOORS WILL BE OF UMBRA OR OF EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT
2. ALL OF THE CASEMENT WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF INSIDE IN MOSQUITO NET
3. ALL OPENINGS SIZE TO BE CONFIRMED ON SITE BEFORE MANUFACTURING
4. SHOP DRAWINGS TO BE APPROVED BY ARCHITECT BEFORE MANUFACTURING
5. REFER TO WINDOW & DOOR SCHEDULE KEY PLAN

Code: W1
Position: WC
Qtd: 9

Code: W2
Position: WC
Qtd: 1

W1 Frame:
- Exterior: 45 x 120
- Interior: 120 x 45
- Exterior: 45 x 120
- Interior: 120 x 45
- Exterior: 45 x 120
- Interior: 120 x 45

Finish: Acabamentos:
- 1 coat primer 1 coat undercoat and 2 coats plascon enamel doors & trim color “light brown” or equal & approved

Immunology
- 102 x 70 x 3 mm phd double ball bearing butt hinge x 2 per window panel
- Glass panels with casement fastener (handle & wedge) & sliding stay open out all in satin chrome finish
- Mosquito screen panels with casement fastener (handle & wedge) in satin chrome finish

Glazing:
- 3mm clear glass

Glazing Notes:

W2 Frame:
- Exterior: 45 x 120
- Interior: 120 x 45
- Exterior: 45 x 120
- Interior: 120 x 45
- Exterior: 45 x 120
- Interior: 120 x 45

Finish: Acabamentos:
- 1 coat primer 1 coat undercoat and 2 coats plascon enamel doors & trim color “light brown” or equal & approved

Immunology
- Patio at the top with outward swinging sash and push out lever to manufacturer spec’s
- Glass panels with casement fastener (handle & wedge) & sliding stay open out all in satin chrome finish
- Mosquito screen panels with casement fastener (handle & wedge) in satin chrome finish

Glazing:
- 3mm obscure glass

Glazing Notes:
GATE SCHEDULE/ Mapa de vãos: Portão

NOTES:
1. ALL DOORS WILL BE OF
   UMBILICA OR EQUIVALENT
   WOOD QUALITY &
   APPROVED BY CLIENT
2. ALL OF THE CASEMENT
   WINDOWS WILL ALSO TAKE
   ONE MORE CASEMENT LEAF
   INSIDE IN MOSQUITO NET
3. ALL OPENING SIZE TO BE
   CONFIRMED ON SITE
   BEFORE MANUFACTURING
4. SHOP DRAWINGS TO BE
   APPROVED BY ARCHITECT
   BEFORE MANUFACTURING
5. REFER TO WINDOW & DOOR
   SCHEDULE KEY PLAN

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<td>Localization</td>
<td>External</td>
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System:
1 folha de alatr/ 1 operação leaf

Materials:
Material:
- TUBO DE AÇO DE 40X20MM + REDE TUBÁRIO / 40X20 HOLLOW STEEL SECTION -
- CHAVE LATERAL / VARÃO DE AÇO DE 30X30MM - ARRANJO DA REDE / 30X30 SOLID STEEL SECTION -
- CHAVE LATERAL FENCING FRAME / CHAPA DE AÇO DE 1.2MM / IRON STEEL SHEET

Finishing:
- ZARÇAG / ZN PHOSPHATE PRIMER
- TINTA ESMALTE DE COR / COLOUR ESMALTE PAINT

Ironmongery:
Ferragens:
- 2 PUXADORES 1 TRINCO DE CÚLATA PARA CADEADO DE 5BG AÇO / 2 STEEL
- AXADES 1 5G STEEL BOLT FOR LOCK

Materials:
Material:
- CANTOINHAS DE AÇO DE 3X3X3/30X30X3/30X30X3 / CARBON STEEL SECTION

Fixing:
Fixação:
- CHUMBADO À PAREDE / PLUGGED TO WALL

Ironmongery:
Ferragens:
- 3 DEBRAZADAS DE 4BG AÇO / 4" STEEL NUTS

Finishing:
Acabamento:
- ZARÇAG / ZN PHOSPHATE PRIMER
- TINTA ESMALTE DE COR / COLOUR ESMALTE PAINT

Este desenho é para ser lido em conjunto com:

This drawings is to be read in conjunction with:

ARCHITECTURAL
EA-MZ-C1100-WOR-E05-01130-01
EA-MZ-C1100-WOR-E04-00017-01
EA-MZ-C1100-WOR-E05-00406-01
EA-MZ-C1100-WOR-E05-00400-02
EA-MZ-C1100-WOR-E05-00400-03
EA-MZ-C1100-WOR-E05-00050-00

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M.E.SCH | Mozambique Arquitetos Limitada |

PROJETO
AMA 1
RESETTLEMENT VILLAGE

DRAWING DESCRIPTION
CASA DO CHEFE DA POLICIA - MAPA DE VÃOS 3

POLICE STAFF HOUSE - WINDOWS & DOOR SCHEDULE 3

ISSUED FOR CONSTRUCTION

NOV 2015

DRAWING NUMBER
C00290-00-AR-DRD-D144-003

DRAWING SHEET

A3 SIZE

ETCHED

MANUFACTURING NUMBER
EA-MZ-C1100-WOR-E05-00400-03
ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-C10100-WOR-E05-01130-01
EA-MZ-C10100-WOR-E05-00017-01
EA-MZ-C10100-WOR-E05-00460-01
EA-MZ-C10100-WOR-E05-00400-02
EA-MZ-C10100-WOR-E05-00400-03
EA-MZ-C10100-WOR-E05-00050-00

STRUCTURAL
EA-MZ-C10100-WOR-E04-00009-01
EA-MZ-C10100-WOR-E05-00012-00

WATER
EA-MZ-C10100-WOR-E05-00123-01
EA-MZ-C10100-WOR-E05-00131-01
EA-MZ-C10100-WOR-E05-00131-02

ELECTRICAL
EA-MZ-C10100-WOR-E02-00105-01
PLANTA DE COBERTURA

Metal roof enameled sheeting with SBR profile

Cobertura em Chapas metálicas enameladas com perfil SBR

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

ARCHITECTURAL
EA-MZ-CI0100-WOR-E05-01130-01
EA-MZ-CI0100-WOR-E05-00417-01
EA-MZ-CI0100-WOR-E05-00400-01
EA-MZ-CI0100-WOR-E05-00400-02
EA-MZ-CI0100-WOR-E05-00400-03
EA-MZ-CI0100-WOR-E05-00050-00

STRUCTURAL
EA-MZ-CI0100-WOR-E04-00009-01
EA-MZ-CI0100-WOR-E05-00012-00

WATER
EA-MZ-CI0100-WOR-E05-00123-01
EA-MZ-CI0100-WOR-E05-00113-01
EA-MZ-CI0100-WOR-E05-00113-02

ELECTRICAL
EA-MZ-CI0100-WOR-E02-00105-01

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1. **SOAK AWAYS**

1.1 **CONSTRUCTION OF SOAK AWAYS:**

1.1.1 Use perforated drainage pipe with the slotted hole at the bottom of pipe to a length not exceeding 3m and not more than 1 pipe length. Type pipe is not allowed.

1.1.2 The length of a single trench should not exceed 200m.

1.1.3 Reinforcement must comply with SANS 11194-2 and SANS 1101-1.1.5.

1.1.4 Soak away trench should be filled with clean rubble (of 90mm max. above the pipe) and covered with a layer of geotextile membrane to prevent erosion.

1.1.5 The remainder of the soak away trench should be filled with excavation fill and compacted to a level of 50mm above the bottom of the trench.

1.1.6 The area of the soak away is calculated after carrying out a minimum of three percolation tests in the proposed drain field area. Drainage capacity should be at least 0.8m³ per hour. A soak away should not be located within any building or boundary of the site.

1.1.7 A soak away should preferably be constructed along the contour of the soil surface.

1.1.8 The susceptibility of a water source to pollution decreases rapidly as distance from a soak away increases. Soak away discharge should not be positioned to influence the flow of adjacent effluent. It should be beyond the influence of adjacent effluent.

1.1.9 A soak away shall not be constructed within any building or boundary of the site.

1.1.10 The depth of the soak away is determined with SANS 11194-3. The soak away and associated drainage must comply with the requirements of SANS 11194-3 and/or SANS 1101-1.1.11.

1.1.11 Soak away should preferably be constructed along the contour of the soil surface.

1.1.12 Length of soak away determined with SANS 11194-3.

1.1.13 soak away shall not be constructed:

1.1.3.1 Surrounded by land that has a percolation rate that exceeds 5m²/hour.

1.1.3.2 Wherein influent shall flow out due to the contours of or the structure forming the enclosure.

1.1.3.3 Where the site is affected by such a layout that is beyond the influence of the soak away.

1.1.4 Where the level of the water table is, or might be, such as to prevent adequate percolation.

1.2 **STRUCTURAL**

2.1 All septic tank excavation invert to be compacted to 90mm/100mm.

2.2 All floors and cover slabs to be reinforced with mesh reference 888, placed in center of slab.

2.3 Concrete strength requirement at 28 days: 30/19 MPa.

2.4 All 200mm block work to be filled with concrete (30 MPa/19 mm).

2.5 The area of the soak away is calculated after carrying out a minimum of three percolation tests in the proposed drain field area. Drainage capacity should be at least 0.8m³ per hour. A soak away should not be located within any building or boundary of the site.

2.6 **REFERENCES**

AMANDAO DRAWING NO POLICE HOUSES, WATER AND SEWAGE OUTLINE SHEET 2 OF 2

POLICE HOUSES, WATER AND SEWAGE OUTLINE SHEET 2 OF 2

POLAND MASTER DRAWING POLICE HOUSES, WATER AND SEWAGE OUTLINE SHEET 2 OF 2

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### 14 ESTAÇÃO DA POLÍCIA
PLANTA DO PISO
Floor Plan

PLANTA DE COBERTURA
Roof Plan

Cobertura em Chapas metálicas esmaltadas com perfil IBR
Metal roof enameled sheeting with IBR profile
**ALÇADO FRONTAL**  
*Front Elevation*

**ALÇADO POSTERIOR**  
*Back Elevation*

**ALÇADO LATERAL DIREITO**  
*Right Side Elevation*

**ALÇADO LATERAL ESQUERDO**  
*Left Side Elevation*
**PLANTA DO PISO (Floor Plan)**

- **SCALE**: 1:50

**ALÇADO LATERAL ESQUERDO (Left Side Elevation)**

- **SCALE**: 1:50

**ALÇADO LATERAL DIREITO (Right Side Elevation)**

- **SCALE**: 1:50

**PLANTA DE COBERTURA (Roof Plan)**

- **SCALE**: 1:50

**ALÇADO POSTERIOR (Back Elevation)**

- **SCALE**: 1:50

**ALÇADO FRONTAL (Front Elevation)**

- **SCALE**: 1:50

**Corte A-A (Section A-A)**

- **SCALE**: 1:50

---

**Legenda (Key)**

1. *Laje de pavimento em betão*
   - Concrete slab

2. *Acabamento do pavimento em concreto queimado*
   - Concrete floor to have power float finish

3. *Alternador em bloco revestido com espessura de 200mm*
   - Wall in hollow block 200mm墙

4. *Paredes com reboco liso, pintadas a tinta plástica*
   - Wall with plain plaster and PVA painted

5. *Laje de pavimento em betão*
   - Concrete slab

6. *Cobertura em chapas metálicas esmaltadas com perfil IBR*
   - Enameled metalic roof sheeting with IBR profile on graded SA pine battens

7. *Laje de betão armado*
   - Concrete slab

8. *Banco em betão armado*
   - Concrete bench

---

**NOTES**

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---

**CONSTRUCTION ISSUE**

- **ISSUED FOR CONSTRUCTION**: 01/10/15
- **ISSUED FOR CLIENT APPROVAL**: 12/08/15
- **ISSUED FOR CLIENT REVIEW**: 12/08/15
- **ISSUED FOR INTERNAL REVIEW**: 16/11/15

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P.O. Box 61232, MARSHALLTOWN, 2107

39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG

---

**REVISIONS**

- **DRAWN BY**: NAME
- **SIGNATURE**: SIGNATURE

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**Description**

- **ARCHITECTURAL**:
  - EA-MZ-CI0100-WOR-E05-00395-01
  - EA-MZ-CI0100-WOR-E05-00395-02
  - EA-MZ-CI0100-WOR-E05-00395-03

- **ELECTRICAL**: none

- **STRUCTURAL**: none

- **MECHANICAL**: none

- **WATER**: none

---

**Legend**

- **PROJECT**: AMA 1
- **RECESSION**: VILLAGE

---

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**Printed on**: 01/10/15

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**REVISIONS**

- **DRAWN BY**: NAME
- **SIGNATURE**: SIGNATURE

---

**Description**

- **ARCHITECTURAL**: none

- **ELECTRICAL**: none

- **STRUCTURAL**: none

- **MECHANICAL**: none

- **WATER**: none
**ACABAMENTOS / Finishing**

**PAVIMENTOS / Pavelements**

Pv1 - Mosaico cerâmico ou Tijoleira classe IV
Ceramic tiles class IV
Pv2 - Acabamento do pavimento em cimento queimado
Concrete floor to have power float finish

**TECTOS / Ceilings**

Te1 - Telhado falso em placas de gesso cartonado pintadas a tinta plástica
Ceiling in gypsum board, PVA painted.
Te2 - Telhado falso em placas de gesso cartonado, resistentes a humidade.
Ceiling in moisture resistant gypsum board, PVA Painted
Te3 - Telhado falso em placas NUTEC
Ceiling in NUTEC boards
Te4 - Telhado armado rebatido e pintado com tinta PVA
Concrete slab ceiling, plastered and PVA Painted

**RODAPÉS / Skirtings**

Rp1 - Retonilha Lisa pintada a tinta esmalte, com h=10cm
Plain granolithic enamel paint, with h=10cm

**COBERTURA / Roofs**

Co1 - Chapas metálicas esmaltadas com perfil IBR
Metallic enameled sheets with IBR profile

**PAREDES / Walls**

Pa1 - Pinta com tinta esmalte de cor até 1.50m de altura (tambor) e tinta plástica sobre reboco liso até o teto
Colour enamel paint up to 1.50m height wallcoating PVA paint on plain plaster to ceiling height
Pa2 - Azulejos brancos 20x20cm h=2.10m
20x20cm white tiles h=2.10m

**PINTURA / Painting**

Para especificações da pintura consultar documento em anexo.
For all painting specifications refer to document in annex.

**ELETRICAL**

Es1 - Tomadas no local de instalação e/ou documentos especificados em termos desta contratação.

**WATER**

W1 - Sanitários para uso de conforto.
W2 - Bacias para banho em porcelana.
W3 - Bacias para banho em porcelana.

**SECRETARIA E SALA DE ESPERA**

Secretary and waiting area

**GAB. de ATENDIMENTO / MULHERES E CRIANÇAS**

Women & children care office

**GAB. do INSPECTOR**

Captain's office

**HALL DE ENTRADA**

Entrance hall

**COFRE**

Safe

**CHEFE DAS OPERAÇÕES**

Operations chief office

**OPERACÕES**

Operations office

**CRIANÇAS**

Children's room

**MULHERES E OFICIAL DE SEGURANÇA**

Women & security officer

**GAB. do INSPECTOR**

Inspector's office

**SECRETARIA**

Secretary

**DE ESPERA**

Secretary & waiting area

**GAB. do CHEFE DAS OPERAÇÕES**

Operations chief office

**CABINETES**

Cabinets

**EM CONJUNTO COM:**

- 50mm ON ORIGINAL DRAWING
- SCALE FOR REDUCED PLAN
ACABAMENTOS / Finishings

PAVIMENTOS / Pavements

PV2 - Acabamento do pavimento em cimento queimado
Concrete floor to have power float finish

TECTOS / Ceilings

Te6 - Laje em betão armado rebocada e pintada com tinta PVA
Concrete slab ceiling, plastered and PVA Painted

COBERTURA / Roofs

Co1 - Chapas metálicas esmaltadas com perfil IBR
Metallic enameled sheets with IBR profile

PAREDES / Walls

Pa2 - Pintura com tinta esmalte de cor até 1.50m de altura
(20x20cm tiles in benches and concrete shelves)

SANITÁRIOS/Sanitary

SN1 - Conjunto de sanita em porcelana, modelo "H441 Branca"
da "Construa" ou similar
Toilet in porcelain, model "H441 White" from "Construa" or similar

SN1' - Porta rolos em porcelana
Toilet rolls holder in porcelain

SN2 - Lavatório e pedestal modelo "C356 Branco" em porcelana
da "Construa" ou similar
Handwash basin and pedestal in porcelain "C356 White"from "Construa" or similar

SN3 - Base de duche em chapa acrílica reforçada
Shower tray in reinforced acrylic sheet

DIVERSOS / Other

Dv1 - Azulejo 20x20cm nas bancadas e prateleiras de betão
20x20cm tiles in benches and concrete shelves

Dv2 - Tubo para cortina em alumínio oval 36mm com acessórios
de fixação em PVC
Coat rail 36mm oval ribbed aluminium extension, white mouldedPVC
Total Area for sidewalk pavement: approx. 580 m²
CORTÉ AA
Section AA

CORTÉ BB
Section BB

Muro de Vedação com Greia de Betão
Boundary Wall with Hollow Concrete Blocks

FOR WALL FINISH SEE GENERAL SPECIFICATIONS TABLE AND PAINT DOCUMENT ATTACHED

CONCRETE FOOTING TO ENGINEER’S DESIGN

FOR WALL FINISH SEE GENERAL SPECIFICATIONS TABLE AND PAINT DOCUMENT ATTACHED

CONCRETE FOOTING TO ENGINEER’S DESIGN

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM: THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-CI0100-WOR-E04-00302-01

STRUCTURAL
EA-MZ-CI0100-WOR-E05-00056-01

Rev. 0
DOOR SCHEDULE/ Mapa de vãos: Portas MAIN BUILDING/EDIFÍCIO PRINCIPAL

CODE: D1 Position: Location:_caption x office & 3rd floor

Frame:
WIND FRAME TO MANUFACTURERS SPECS
SEMI SOLID TIMBER DOOR
DOORS TO BE TYPE ZKID - from SWARTLAND OR SIMILAR

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

CODE: D3 Position: Location: Office: Gatehouse

Frame:
WIND FRAME TO MANUFACTURERS SPECS
SEMI SOLID TIMBER DOOR WITH HORIZONTAL GROOVES
DOORS TO BE TYPE ZCDR - from SWARTLAND OR SIMILAR

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

CODE: D5 Position: Location: entrance

Frame:
WIND FRAME TO MANUFACTURERS SPECS
SEMI SOLID TIMBER DOOR 35mm THICK
DOORS TO BE TYPE PD60 - from SWARTLAND OR SIMILAR

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

NOTES:

1. ALL DOORS WILL BE OF UMBILA LK5 OR EQUIVALENT
2. ALL OF THE CASEMENT WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF INSIDE MOSQUITO NET
3. ALL OPENINGS SIZE TO BE CONFIRMED ON SITE BEFORE MANUFACTURING
4. DOOR LOCKS TO BE APPROVED BY ARCHITECT BEFORE MANUFACTURING
5. REFER TO WINDOW & DOOR SCHEDULE KEY/PUM

CODE: D4 Position: Location: Captain’s office

Frame:
102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR
LOCK (2 LEAVER) WITH HANDLES POLISHED CHROME FINISH SIMILAR TO YALE GOWER HANDLE

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

CODE: D2 Position: Location: captain’s office & 3rd floor

Frame:
WOOD FRAME TO MANUFACTURERS SPECS
SEMI SOLID TIMBER DOOR WITH HORIZONTAL GROOVES
DOORS TO BE TYPE ZKID - from SMARTLANT OR SIMILAR

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

CODE: D3 Position: Location: Gab. do inspector

Frame:
102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR
LOCK (2 LEAVER) WITH HANDLES POLISHED CHROME FINISH SIMILAR TO YALE GOWER HANDLE

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

CODE: D4 Position: Location: Gab. do inspector

Frame:
WOOD FRAME TO MANUFACTURERS SPECS
SEMI SOLID TIMBER DOOR 35mm THICK
DOORS TO BE TYPE PD60 - from SWARTLAND OR SIMILAR

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

CODE: D5 Position: Location: Gab. do inspector

Frame:
WOOD FRAME TO MANUFACTURERS SPECS
SEMI SOLID TIMBER DOOR 35mm THICK
DOORS TO BE TYPE PD60 - from SWARTLAND OR SIMILAR

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

CODE: D6 Position: Location: Gab. do inspector

Frame:
WOOD FRAME TO MANUFACTURERS SPECS
SEMI SOLID TIMBER DOOR 35mm THICK
DOORS TO BE TYPE PD60 - from SWARTLAND OR SIMILAR

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

CODE: D7 Position: Location: Gab. do inspector

Frame:
WOOD FRAME TO MANUFACTURERS SPECS
SEMI SOLID TIMBER DOOR 35mm THICK
DOORS TO BE TYPE PD60 - from SWARTLAND OR SIMILAR

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:

CODE: D8 Position: Location: Gab. do inspector

Frame:
WOOD FRAME TO MANUFACTURERS SPECS
SEMI SOLID TIMBER DOOR 35mm THICK
DOORS TO BE TYPE PD60 - from SWARTLAND OR SIMILAR

Finish:
3 COATS CLEAR VARNISH

Glazing:
Vidra

Glazing Notes:
DOOR SCHEDULE / Mapa de vãos: Portas
CELL BLOCK/BLOCO DAS CELAS

ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED/VERIFIED ON SITE AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.

NOTES:
1. ALL DOORS WILL BE OF UMBILA OR OF EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT.
2. ALL OF THE CASEMENT WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF INSIDE IN MOSQUITO NET CONFIRMED ON SITE BEFORE MANUFACTURING
3. ALL OPENINGS SIZE TO BE CONFIRMED ON SITE BEFORE MANUFACTURING
4. SHOP DRAWINGS TO BE APPROVED BY ARCHITECT BEFORE MANUFACTURING
5. REFER TO WINDOW & DOOR SCHEDULE KEY PLAN

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

ARCHITECTURAL
EA-MZ-CI0100-WOR-ED04-00300-01
EA-MZ-CI0100-WOR-ED04-00301-01
EA-MZ-CI0100-WOR-ED04-00302-01
EA-MZ-CI0100-WOR-ED04-00303-01
EA-MZ-CI0100-WOR-ED05-00199-01
EA-MZ-CI0100-WOR-ED05-00358-01
EA-MZ-CI0100-WOR-ED05-00359-01
EA-MZ-CI0100-WOR-ED05-00359-02

DRAWING DESCRIPTION
POSTO DA POLICIA - MAPA DE VÕOS 2 FOLHA 1 DE 3
POLICE STATION - DOOR & WINDOW SCHEDULE 2 SHEET 1 OF 3

PROJECT
AMA 1
RESETTLEMENT VILLAGE

SCALE
A3@AS SHOWN

DATE
NOV 2015

DRAWING NUMBER
C00290-00-AR-DRD-0128-002

ISSUED FOR CONSTRUCTION

WorleyParsons RSA (Pty) Ltd.

1310 STRUCTURAL OPENING

1400

655 655

PLANTA/Plan ESCALA/Scale 1:20

ENTRADA

LOCALIZAÇÃO

QTD.

Wood Frame to Manufacturer's Specs

Frame:

Steel Frame in Galvanized Steel 30x10mm and Steel Bars Ø16mm at 100mm Center; Aro em Barra de Aço Galvanizado 30x10mm, Varão Ø16mm espaçados a 100mm do Eixo.

Finish:

Two (2) Coats of Enamel of Sinotec Fosco (ref. 48-272)

Glazing:

Color to be Defined by Client

Glazing Notes:

Digital portrait

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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.

Code: Codigo: D5

Position: Localização:

ENTRADa

Qty: Qtd:

Wood Frame to Manufacturer's Specs

Frame:

Sem solid Slatted Timber Door 35mm Thick

Finish:

3 Coats Clear Varnish

Glazing:

Glazing Notes:
1. All doors will be of Umbila or of equivalent wood quality and approved by client.

2. All of the casement windows will also take one more casement leaf inside in mosquito net.

3. All openings size to be confirmed on site before manufacturing.

4. Shop drawings to be approved by architect before manufacturing.

5. Refer to window & door schedule key plan.

Notes:

- All doors will be of Umbila or of equivalent wood quality and approved by client.
- All of the casement windows will also take one more casement leaf inside in mosquito net.
- All openings size to be confirmed on site before manufacturing.
- Shop drawings to be approved by architect before manufacturing.
- Refer to window & door schedule key plan.

**Windows Schedule 1**

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Drawing Description</th>
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<tbody>
<tr>
<td>1</td>
<td>W3 (Code: W3) Offices Gabinets</td>
</tr>
<tr>
<td>1</td>
<td>W4 (Code: W4) W.C. Lockers W.C. Cadets</td>
</tr>
</tbody>
</table>

**Ironmongery**

- Aro: 102 x 75 x 3 mm PVD Double Ball Bearing Butt Hinge X 2 per Window Panel
- Glass Panels with Casement Fastener (Handle & Wedge) & Sliding Stay Open Out All, in Satin Chrome Finish
- Mosquito Screen Panels with Casement Fastener (Handle & Wedge) in Satin Chrome Finish

**Finish**

- 1 coat primer 1 coat undercoat and 2 coats Plascon Enamel Doors & Trims colour “Light Brown” or equal & approved.
- Solid Timber Top Hung Window, 2 Glass Panels on Outside & 2 Mosquito Screen Panels on the Inside.
- Window to be from Swartland or similar.
- Solid Timber Window, 2 Glass Panels on Outside & 2 Mosquito Screen Panels on the Inside.
- Glass Panels with Casement Fastener (Handle & Wedge) & Sliding Stay Open Out All, in Satin Chrome Finish
- Mosquito Screen Panels with Casement Fastener (Handle & Wedge) in Satin Chrome Finish

**Glazing**

- 3mm Laminated Clear Glass

**Notes**

- All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
- Copyright reserved.
ISSUED FOR CONSTRUCTION

NOTES:

1. ALL DOORS WILL BE OF UMBILA OR OF EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT
2. ALL OF THE CASEMENT WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF INSIDE IN MOSQUITO NET
3. ALL OPENINGS SIZE TO BE CONFIRMED ON SITE BEFORE MANUFACTURING
4. SHOP DRAWINGS TO BE APPROVED BY ARCHITECT BEFORE MANUFACTURING
5. REFER TO WINDOW & DOOR SCHEDULE KEY PLAN

CODE: W1
Position: Secretary/ waiting area
Localização: Secretaria e S. espera
Qty: Qtd:

Frame: Aro:
WOOD FRAME TO MANUFACTURERS SPECS
SOLID TIMBER WINDOW, 2 GLASS PANELS ON OUTSIDE & 2 MOSQUITO SCREEN PANELS ON THE INSIDE WITH ELECTROPLATED 10 mm ROUND B/BARS
WINDOW TO BE TO TYPE ZWCM - from SWARTLAND OR SIMILAR

Finish: Acabamentos:
1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCION ENAMEL DOORS & TRIMS COLOUR “LIGHT BROWN” OR EQUAL & APPROVED

Ironmongery: Ferragens
102 x 75 x 3mm P/DO DOUBLE BALL BEARING BUTT HINGE X 2 PER WINDOW PANEL
GLASS PANELS WITH CASEMENT FASTENER (HANDLE & WEDGE) & SLIDING STAY OPEN OUT ALL IN SATIN CHROME FINISH
MOSQUITO SCREEN PANELS WITH CASEMENT FASTENER (HANDLE & WEDGE) IN SATIN CHROME FINISH

Glazing: Vidros:
3mm LAMINATED CLEAR GLASS

Code: W5
Position: Holding cell
Localização: Cela
Qty: Qtd:

Frame: Aro:
STEEL FRAME IN GALVANIZED STEEL 30x10mm AND STEEL BARS Ø16mm AT 100mm CENTER;
ARO EM BARRA DE AÇO GALVANIZADO 30x10mm, VARÃO Ø16mm ESPAÇADOS A 100mm DO EIXO.

Finish: Acabamentos:
TWO (2) COATS OF ENAMEL OF SINTECIN FOSCO (ref. 48-272) COLOR TO BE DEFINED BY CLIENT;
DUAS DEMÃOS DE TINTA ESMALTE DA SINTECIN (ref. 48-272), A DEFINIR PELO CLIENTE.

Ironmongery: Ferragens
TO MANUFACTURER´S DETAIL;
PORMENOR DE ACORDO COM O FABRICANTE.

Glazing: Vidros:

Glazing Notes:
3mm LAMINATED CLEAR GLASS

Code: C00290-00-AR-DRD-0128-004
Drawing Description
POSTO DA POLICIA - MAPA DE VÃOS 2 FOLHA 2 DE 3
POLICE STATION - DOOR & WINDOW SCHEDULE 2 SHEET 2 OF 3

DATE: NOV 2015

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:
PUBLIC NOTICE
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-C10100-WOR-ED04-00300-01
EA-MZ-C10100-WOR-ED04-00301-01
EA-MZ-C10100-WOR-ED04-00302-01
EA-MZ-C10100-WOR-ED05-00199-01
EA-MZ-C10100-WOR-ED05-00356-01
EA-MZ-C10100-WOR-ED05-00357-01
EA-MZ-C10100-WOR-ED05-00358-01
EA-MZ-C10100-WOR-ED05-00359-01
EA-MZ-C10100-WOR-ED05-00359-02
GATE SCHEDULE/Mapa de vãos: Portões

ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED/VERIFYED ON SITE AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT
TODAS DIMENSÕES E NÍVEIS DEVEM SER VERIFICADAS NA OBRA E QUALQUER DISCREPÂNCIA DEVERÁ SER COMUNICADA AO ARQUITETO

NOTES:
1. ALL DOORS WILL BE OF UMBILA OR OF EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT
2. ALL OF THE CASEMENT WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF INSIDE IN MOSQUITO NET BEFORE MANUFACTURING
3. ALL OPENINGS SIZE TO BE CONFIRMED ON SITE BEFORE MANUFACTURING
4. SHOP DRAWINGS TO BE APPROVED BY ARCHITECT BEFORE MANUFACTURING
5. REFER TO WINDOW & DOOR SCHEDULE KEY PLAN

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<th>BY</th>
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<td>E</td>
<td>01/10/15</td>
<td>MM</td>
<td>CP</td>
<td>ISSUED FOR PROJECT REVIEW</td>
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CODE: C00290-00-AR-DRD-0128-005

ISSUED FOR CONSTRUCTION

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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.

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P.O. Box 61232, MARSHALLTOWN, 2107
FAX: +27(0)11 218 3100
www.worleyparsons.com
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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.

REFERENCES

AMA 1
RESETTLEMENT
VILLAGE
COMMUNITY FACILITIES
POLICE STATION: TOILET FACILITIES
DETAILS OF TOILET FACILITIES
SHEET 2 OF 3

NOTE:
FLOOR SLAB
LENTH:
455
935
110mm ND INTERCONNECTOR BETWEEN MULTIPLE TANKS

FOR PLUMBING SPECIFICATIONS AND DETAILS REFER TO MUNICIPAL ENGINEERS DRAWING NO.

FOR BUILDING SPECIFICATIONS AND DETAILS REFER TO ARCHITECTURAL DRAWING NO.

1. ENVIRO LOO SUITABLE FOR INDUSTRIAL USE
   CAPACITY PER ENVIRO LOO, 20 TO 40 USERS PER DAY.

2. ENVIRO LOO TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

TYPICAL FLOOR PLAN: ENVIRO LOO (SCHEMATIC)
SCALE: 1:25

1. ENVIRO LOO SUITABLE FOR INDUSTRIAL USE
   CAPACITY PER ENVIRO LOO, 20 TO 40 USERS PER DAY.

2. ENVIRO LOO TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
1. SOAK AWAYS

1.1 CONSTRUCTION OF SOAK AWAYS:

1.1.1 LDW perforated drainage pipes with the slitting at the bottom lay in trenches of a uniform gradient not steeper than 1:200. LDW perforated type pipe is not allowed.

1.1.2 The length of a single trench should not exceed 30m.

1.1.3 Reinforcement must comply with SANS 0252-2 and SANS 10400-P:2010.

1.1.4 Soak away trenches must be filled with a layer of geotextile membrane above the pipe and covered with a layer of geotextile membrane to prevent erosion.

1.1.5 The remainder of the soak away trench can be filled with backfill material that is not likely to adversely affect the underlying drain field.

1.1.6 The area of the soak away is calculated after carrying out a minimum of three percolation tests in the proposed drain field area. Drainage trenches shall be 100mm wide with areas of uncompacted backfill of at least 1m wide between parallel, unconfined.

1.1.7 A soak away shall:
   a) Be constructed and located adjacent to the site of the sewer system and to the sewer line that is likely to drain into it.
   b) Be positioned that the foundations of adjacent buildings are not adversely affected by its discharge.
   c) Be located within a prescriptive building or boundary of the site on which it is situated.
   d) The susceptibility of a water source to pollution discharge, whether it acts directly or indirectly to affect the site or area, is not adversely affected by the discharge.

1.1.10 The susceptibility of a water source to pollution discharge is whether it acts directly or indirectly to affect the adjacent buildings or area, is not adversely affected by the discharge.

1.1.11 Soak away shall preferably be constructed along the contour of the soil surface.

1.1.12 Length of soak away determined in accordance with soil type.

1.1.13 No soak away shall be constructed:
   a) In areas that have a percolation rate that exceeds 30 litres per minute.
   b) Where influent is not flow out due to the contours of the site specified in the contract.
   c) Where the site to be affected is such a location with drainage to the adjacent buildings or area.
   d) Where the level of the water table is, or might be, such as to prevents adequate percolation.

2. STRUCTURAL

2.1 All septic tank excavation events must be compacted to 90% Moody of 1:200.

2.2 All floor and cover slabs to be reinforced with mesh reinforcement placed in center of slab.

2.3 Concrete strength requirements at 28 days: 200 MPa.

2.4 All 250mm block work to be filled with concrete (or equivalent).

REFERENCES

[1] WORLEYPARSONS RSA (Pty) Ltd.

NOTE
### Projecto de Desenvolvimento de Gás em Moçambique

**Plano do Reassentamento**

Anexo I: Projecto de construção da aldeia de reassentamento

<table>
<thead>
<tr>
<th>Rev. 1</th>
<th>Data da Rev: 27-Maio-16</th>
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15 **ESCOLA PRIMÁRIA**
LEGENDA / LEGEND

01 BLOCO COM 2 SALAS DE AULA
BLOCK WITH 2 CLASSROOMS

02 BLOCO COM 3 SALAS DE AULA
BLOCK WITH 3 CLASSROOMS

03 BLOCO ADMINISTRATIVO
ADMINISTRATION BLOCK

04 LATRINAS
LATRINES

05 CAMPO DESPORTIVO COBERTO
COVERED SPORTS FIELD

06 CASA DE PROFESSORES
TEACHER'S HOUSE

PLANTA DE IMPLANTAÇÃO
SITE PLAN

ESCALA/SCALE: 1:300
Nivel da Cobertura / Ridge Level +4.73
Beiral / Eaves +2.52
Nivel Piso Interno / T.O.C. ±0.00

Pa2

ALÇADO FRONTAL
Front Elevation
Co1

ALÇADO POSTERIOR
Front Elevation
Co1

ALÇADO LATERAL ESQ.
Left Side Elevation
Co1

ALÇADO LATERAL DIR.
Right Side Elevation
Co1

BLOCO DE AULAS DE 2 SALAS
CLASSROOM BLOCK W/ 2 ROOMS
1. **Laje de pavimento em betão**
   - Concreto slab
2. **Abaixamento do pavimento em concreto armado**
   - Concrete floor to lower power final drain
3. **Rapo de telhado com iluminação externa**
   - Porcelain tile skylight
4. **Aranhuação em blocos vazados com espessura de 200mm**
   - Walls in hollow block 200mm wide
5. **Lambéz 1500mm, pintado em tinta plástica**
   - Painted concrete skirting
6. **Parede com revestimento de ladrilho pintado**
   - Wool board painted with tinta plástica
7. **Viga de coroamento em concreto armado**
   - Concrete beam
8. **Block ventilated with mesh mosquito net**
9. **Cobertura em chapa metálica esmaltada com perfil IBR**
   - Enameled metalic roof sheeting with IBR profile on graded SA pine battens
10. **Piso interno do pavimento superior ao nível do piso térreo**
    - Piso interno do pavimento superior ao nível do piso térreo
11. **Techo falso em placas de gesso cartonado pintado a tinta plástica sobre estrutura de madeira**
    - Ceiling in Gypsum board PVA painted under wooden structure
12. **Teto falso NUTEC em fibra de cimento**
    - Fiber concrete NUTEC ceiling board
13. **Lintel em betão armado**
    - Concrete lintel
14. **Pilar em madeira tratada**
    - Treated timber column
15. **Base do pilar em betão, pintado a tinta plástica**
    - Painted concrete column base
16. **Laje de pavimento do varanda**
    - Concrete veranda slab
17. **Alvenaria em blocos vazados com espessura de 150mm**
    - Walls in hollow block 150mm wide
18. **Vista das estruturas de madeira**
    - Wood structure view

**NOTES**

- Para pormenor da cobertura consultar desenho do especialista
- Para pormenor da cobertura consultar desenho do especialista
- Pormenor A (ver notas)
- Pormenor A (ver notas)
- Pormenor B (ver notas)
- Pormenor B (ver notas)
- Pormenor C (ver notas)
- Pormenor C (ver notas)
- Pormenor D (ver notas)
- Pormenor D (ver notas)
- Pormenor E (ver notas)
- Pormenor E (ver notas)

**DESCRIPTION**

- **10** - **Curvatura na chapa esmaltada**: Enameled sheet ridge cap
- **11** - **Tecido falso em placas de gesso cartonado pintado a tinta plástica sobre estrutura de madeira**: Corking in Gypsum board PVA painted under wooden structure
- **12** - **Tecido falso NUTEC em fibra de cimento**: Fiber concrete NUTEC ceiling board
- **13** - **Lintel em betão armado**: Concrete lintel
- **14** - **Pilar em madeira tratada**: Treated timber column
- **15** - **Base do pilar em betão, pintado a tinta plástica**: Painted concrete column base
- **16** - **Laje de pavimento do varanda**: Concrete veranda slab
- **17** - **Alvenaria em blocos vazados com espessura de 150mm**: Walls in hollow block 150mm wide
- **18** - **Vista das estruturas de madeira**: Wood structure view
ACABAMENTOS/Finishings

PAPELHÃŒS / Walls
Pa2 - Papel de parede, liso, 40g/m², pintado a tinta esmalte, com h=15cm

TECÓIS / Ceilings
Te1 - Techo, 90mm piso de madeira

RODAPÉS / Skirtings
Rp2 - Plataformas, com h=10cm

COBERTURA / Roof
C1 - Telhado metálico, com perfil IBR

REVISIONS

DATE
NAME
SIGNATURE

01/10/15
AP
MM

12/08/15
AP
MM

16/11/15
E
A

25/11/15
D
B

16/11/15
E
A

01/10/15
D
B

ISSUED FOR CONSTRUCTION

ISSUED FOR DETAIL DESIGN

ISSUED FOR INTERNAL REVIEW

ISSUED FOR SQUAD CHECK

ISSUED FOR CLIENT REVIEW

ISSUED FOR CLIENT APPROVAL

ISSUED FOR CONSTRUCTION

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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.

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ARCHITECTURAL
9+6*

ELECTRICAL

9+6*

WATER

ARCHITECTURAL

ELECTRICAL

WATER

9+6*

9+6*

9+6*

9+6*

9+6*

9+6*
DOOR SCHEDULE / Mapa de vãos: Portas

ALL DIMENSIONS AND LEVELS ARE TO BE CONSIDERED FOR SITE AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.

ALL DIMENSIONS ARE GIVEN ON SHEET AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.

Glazing Notes:

1. **Glazing Notes:**
   - **Code:** D1
   - **Position:** Localização
   - **Admin Block:** External Doors
   - **Qty:** 1
   - **Frame:**
     - **Type:** Wood frame to manufacturers specs
     - **Finish:** Clear finish
     - **Finish:** 3 coats clear varnish
     - **Finish:** Clear finish
     - **Finish:** Clear finish
     - **Size:** 102 x 75 mm PVD double ball bearing butt hinge x 3 per door
     - **Finish:** Nickel with handles polished chrome finish similar to Yale Gower handle

2. **Glazing Notes:**
   - **Code:** D2
   - **Position:** Localização
   - **Admin Block:** External Doors
   - **Qty:** 1
   - **Frame:**
     - **Type:** Wood frame to manufacturers specs
     - **Finish:** Clear finish
     - **Finish:** 3 coats clear varnish
     - **Finish:** Clear finish
     - **Finish:** Clear finish
     - **Size:** 102 x 75 mm PVD double ball bearing butt hinge x 3 per door
     - **Finish:** Nickel with handles polished chrome finish similar to Yale Gower handle

3. **Glazing Notes:**
   - **Code:** D3
   - **Position:** Localização
   - **Admin Block:** External Doors
   - **Qty:** 1
   - **Frame:**
     - **Type:** Wood frame to manufacturers specs
     - **Finish:** Clear finish
     - **Finish:** 3 coats clear varnish
     - **Finish:** Clear finish
     - **Finish:** Clear finish
     - **Size:** 102 x 75 mm PVD double ball bearing butt hinge x 3 per door
     - **Finish:** Nickel with handles polished chrome finish similar to Yale Gower handle