**Latrines Foundation Layout**

Scale: 1:50

- Columns on top of foundation
- Columns on top of foundation
- Columns on top of foundation
- Columns on top of foundation

**Latrines Surface Bed Layout**

Scale: 1:50

- Latrines surface bed layout
- Latrines surface bed layout
- Latrines surface bed layout
- Latrines surface bed layout

**Typical Column Reinforcement**

Scale: 1:25

- Typical column reinforcement
- Typical column reinforcement
- Typical column reinforcement
- Typical column reinforcement

**Typical Hoop Iron Joint**

Scale: 1:10

- Typical hoop iron joint
- Typical hoop iron joint
- Typical hoop iron joint
- Typical hoop iron joint

**Typical Construction Joint (C.J.)**

Scale: 1:10

- Typical construction joint (C.J.)
- Typical construction joint (C.J.)
- Typical construction joint (C.J.)
- Typical construction joint (C.J.)
PLAN - SCHOOL TOILETS

COMMUNITY FACILITIES - SCHOOL - INTERNAL DRAINAGE CONNECTIONS

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>No.</td>
<td>110mm ND PVC PIPE</td>
<td>m</td>
<td>4m</td>
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<tr>
<td>No.</td>
<td>DRAIN GULLEY COMPLETE</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
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<td>20mm ND HDPE PIPE</td>
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<td>15m</td>
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<tr>
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<td>DRAIN GULLEY COMPLETE</td>
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<td>2</td>
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<tr>
<td>No.</td>
<td>110mm ND PVC PIPE</td>
<td>m</td>
<td>4m</td>
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<tr>
<td>No.</td>
<td>DRAIN GULLEY COMPLETE</td>
<td>No.</td>
<td>2</td>
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<tr>
<td>No.</td>
<td>110mm ND PVC PIPE</td>
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<td>13m</td>
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<td>DRAIN GULLEY COMPLETE</td>
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<td>2</td>
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<tr>
<td>No.</td>
<td>110mm ND PVC PIPE</td>
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COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

<table>
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<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
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<tr>
<td>No.</td>
<td>20mm/15mm HDPE / COPPER ADAPTOR</td>
<td>A</td>
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<tr>
<td>No.</td>
<td>90° ELBOW - COPPER</td>
<td>B</td>
<td>4</td>
</tr>
<tr>
<td>No.</td>
<td>STRAIGHT COUPLER - COPPER TO MALE CONNECTION</td>
<td>C</td>
<td>4</td>
</tr>
<tr>
<td>No.</td>
<td>15mm COPPER PIPE</td>
<td>D</td>
<td>40</td>
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<tr>
<td>No.</td>
<td>WALL PLATE ELBOW TAP CONNECTOR - COPPER TO FEMALE CONNECTION</td>
<td>E</td>
<td>10</td>
</tr>
<tr>
<td>No.</td>
<td>KITCHEN SINK HAND WASH BASKIN / SHOWER</td>
<td>F</td>
<td>10</td>
</tr>
<tr>
<td>No.</td>
<td>ISOLATING VALVE</td>
<td>G</td>
<td>10</td>
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TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

COMMUNITY FACILITIES - RESETTLEMENT VILLAGE

REFERENCE DRAWINGS:
SCHOOL: DC0289-06-WW-DRD-0019-002/003

NOTES

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

PROJECT MANAGER: 39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG
P.O. Box 61232, MARSHALLTOWN, 2107
TEL: +27 (0)11 218 3000
FAX: +27(0)11 218 3100

A. RAJAH
29/10/2015

L. PADAYACHEE
29/10/2015

CONSTRUCTION ISSUED: 0
CLIENT APPROVAL ISSUED: E
CLIENT REVIEW ISSUED: D
SQUAD CHECK ISSUED: C
DETAIL DESIGN ISSUED: B
INTERNAL REVIEW ISSUED: A

AMA 1
RESETTLEMENT VILLAGE
COMMUNITY FACILITIES
SCHOOL TOILETS
INTERNAL RETICULATIONS

1:50

PLANT - SCHOOL TOILETS

130
Total Area for sidewalk pavement: approx. 1258 m²
**Fachada Frontal**

*Front Elevation*

- Cobertura em chapas metálicas esmaltadas com perfil IBR de acordo com o especialista
- Parede em blocos (200x400x200mm) pintado e rebocado
- Parede do pavimento em cimento queimado

**Fachada Lateral**

*Side Elevation*

- Cobertura em chapas metálicas esmaltadas com perfil IBR de acordo com o especialista
- Parede em blocos (200x400x200mm) pintado e rebocado
- Parede do pavimento em cimento queimado

**Fachada Traseira**

*Back Side Elevation*

- Cobertura em chapas metálicas esmaltadas com perfil IBR de acordo com o especialista
- Parede em blocos (200x400x200mm) pintado e rebocado
- Parede do pavimento em cimento queimado

*Concrete hollow block work plastered & painted (interior & exterior)*

*Concrete to have power float finish*

*Concrete washing basin*
Roof Plan

Cobertura em Chapas metálicas esmaltadas com perfil IBR

Metal roof enameled sheeting with IBR profile

Floor Plan

PLANTA DE COBERTURA

Roof Plan

This drawing is to be read in conjunction with:

ARCHITECTURAL
EA-MZ-C10100-WOR-E05-00505-01
EA-MZ-C10100-WOR-E05-01605-01
EA-MZ-C10100-WOR-E05-00606-01
EA-MZ-C10100-WOR-E05-00609-01
EA-MZ-C10100-WOR-E05-00610-01

STRUCTURAL
EA-MZ-C10100-WOR-E05-00555-01

WATER
EA-MZ-C10100-WOR-E05-00117-01
EA-MZ-C10100-WOR-E05-001295-01
EA-MZ-C10100-WOR-E05-001295-02
EA-MZ-C10100-WOR-E05-001295-03
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.

TOGAS DIMENSOES E NIVEIS DEVEM SER VERIFICADOS NA OBRA E QUALQUER DISCREPANCIA DEVERA 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
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: D3
Position: Toilet
Qty: 102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR

Finish: 1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS & TRIMS COLOUR "LIGHT BROWN" OR EQUAL & APPROVED

Ironmongery: LOCK (3 LEAVER) WITH HANDLES POLISHED CHROME FINISH SIMILAR TO "UNION" PROTEA CB612 HANDLE

Glazing: 1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS & TRIMS COLOUR "LIGHT BROWN" OR EQUAL & APPROVED

Glazing Notes:

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Finishing, Doors & Windows Plan

PLANTA DE ACABAMENTOS E VÃOS
Finishing, Doors & Windows Plan

ACABAMENTOS / Finishing

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

TECTOS / Ceilings
Te4 - Chapa metálica IBR com estrutura de madeira tratada a vista
IBR metalic sheets with visible wooden treated structure

COBERTURA / Roofs
Co1 - Chapas metálicas esmaltadas com perfil IBR
Metalic enameled sheets with IBR profile

PAAREDES / Walls
Pa2 - Pintura com tinta esmalte de cor até 1.50m de altura (lambril) e tinta plástica sobre reboco liso até ao tecto
Colour enamel paint until 1.50m height wainscoting PVA paint on plain plaster to ceiling height

SANITÁRIOS / Sanitary
SN1 - Porta rolos em porcelana
Toilet rolls holder in porcelain
SN5 - Conjunto de sanita turca em porcelana, modelo "VAAL ORIENTAL SQUAT PAN" 502300 ou similar
Squat pan in porcelain, model "VAAL ORIENTAL SQUAT PAN" code 502300 or similar

PINTURA / Painting
- Para especificações da pintura consultar documento em anexo.
- For all painting specifications refer to document in annex.
EA-MZ-CI0100-WOR-E04-00031-01
DOOR SCHEDULE/ Mapa de vãos: Portas

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4. SHOP DRAWINGS TO BE APPROVED BY ARCHITECT BEFORE MANUFACTURING.
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ACABAMENTOS / Finishings

PAVIMENTOS / Pavements
PV2 - Acadamento do pavimento em cimento queimado
Concrete floor to have power float finish

TECLOS / Ceilings
Te4 - Chapa metálica IBR com estrutura de madeira tratada a vista
IBR metalic sheets with visible wooden treated structure

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
Colour enamel paint until 1.50m height

SANITÁRIOS / Sanitary
SN1 - Porta rollos en porcelana
Toilet rolls holder in porcelain

SN6 - Conjunto de sanitário turco em porcelana, modelo "VAAL ORIENTAL SQUAT PAN code 502300" ou similar
Squat pan in porcelain, model "VAAL ORIENTAL SQUAT PAN code 502300 or similar

SN6 - Sistema de latrina tipo "ENVIRO LOO" de acordo com especificações do fabricante
"ENVIRO LOO" system according to manufacturer's details

PINTURA / Painting
- Para especificações da pintura consultar documento em anexo.
- For all painting specifications refer to document in annex.
EA-MZ-CI0100-WOR-E04-00031-01
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.

**REFERENCES**

<table>
<thead>
<tr>
<th>ANADARKO DRAWING NO.</th>
<th>DRAWING DESCRIPTION</th>
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<tbody>
<tr>
<td>EA-MZ-C10100-WOR-E05-00117-01</td>
<td>COMMUNITY FACILITIES: SCHOOL: INTERNAL RETICULATIONS</td>
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<tr>
<td>EA-MZ-C10100-WOR-E05-00117-03</td>
<td>COMMUNITY FACILITIES: SCHOOL: TOILETS: INTERNAL RETICULATIONS</td>
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<tr>
<td>EA-MZ-C10100-WOR-E05-01295-01</td>
<td>SOAK AWAY DETAILS</td>
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<td>EA-MZ-C10100-WOR-E05-01295-03</td>
<td>SOAK AWAY DETAILS</td>
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1. SOAK AWAYS

1.1 CONSTRUCTION OF SOAK AWAYS:

1.1.1 All perforated drainage pipes with the slotted holes at the bottom, lay in trenches of 1:200 gradient not steeper than 1:200, perforated Tyco® pipe is not allowed. The length of a single trench should not exceed 30m.

1.1.2 Excavation for 110 mm ND SOLID WALL SEWER PIPE to 1.2m, for 110 mm ND DOUBLE WALL DRAINAGE PIPE, see note 1.1.1.2.

1.1.3 All internal surfaces to be plastered with SINKLEPROOF MORTAR, CHEMICAL OR SIMILAR APPROVED.

1.1.4 All Manhole Covers & Frames, with lock mechanism, reinforced concrete, floor slab and sides (see note 1.1.4).

1.1.5 MANHOLE TRENCHES MUST BE FILLED WITH GRAVEL OF FINE R10 REINFORCEMENT AFTER EXCAVATING TO A MAXIMUM OF THREE PERCOLATION TESTS IN THE PROPOSED DRAIN FIELD AREA. ON THREE CONSECUTIVE DAYS AND APPLYING A FORMULA AS DETAILED IN SANS 10400-P:2010.

1.1.6 DRAINAGE TRENCHES SHOULD BE 750mm wide, with areas of unforeseen ground (up to 150mm) between parallel trenches.

1.1.7 A SOAK AWAY SHAL:

a) Be so constructed and located as not to cause the raising of the percolation test level by 0.5m 250mm above the site of the soakaway.

b) Be so constructed and located as not to cause the raising of the percolation test level, whereby effluent to be disposed off, will pass below the water table.

c) Be so positioned as to prevent entry of fines.

d) Be so constructed and located as not to cause the raising of the percolation test level in ground that has a percolation rate that exceeds 30m per hour.

1.1.8 SOAK AWAIES SHOULD PREFERABLY BE CONSTRUCTED ALONG THE LENGTH OF SOAK AWAYS.

1.1.9 A SOAK AWAY SHOULD BE SO CONSTRUCTED AND LOCATED AS NOT TO CAUSE THE RAISING OF THE PERCOLATION TEST LEVEL.

1.1.10 THE ACCEPTABILITY OF A WATER SOURCE TO POLUTIOON DRAINAGE DRAINS SHAL BE DETERMINED IN ACCORDANCE WITH SANS 1882:2003 OR SIMILAR APPROVED.

1.1.11 SOAK AWAY SHELVING SHOULD BE CONSTRUCTED ALONG THE CONTOUR OF THE SOIL SURFACE.

1.1.12 LENGTHS OF SOAK AWAIES DETERMINED IN ACCORDANCE WITH SANS 1882:2003.

1.1.13 NO SOAK AWAIE SHALL BE CONSTRUCTED:

a) WHERE INCLINE OR SITE PERCOLATION RATE THAT EXCEEDS 30m per hour.

b) WHERE INFILTRATION RATE IS OBTAINED IN THE CENTERS OF THE SOAKAWAY.

c) WHERE THE SITE TO BE AFFECTED BY SUCH PLANT IS OF REPULSIVE NATURE TO ACCOMMODATE THE GRADING OF THE SOAKAWAY.

d) WHERE THE LEVEL OF THE WATER TABLE IS SUCH MIGHT BE, SUCH AS TO PREVENT SUFFICIENT PERCOLATION.

2. STRUCTURAL

2.1 ALL SEPTIC TANK EXCAVATION INVENTS TO BE COMPACTED TO 1:200 AERATED GRADING.

2.2 ALL FLOOR AND COVER SLABS TO BE REINFORCED WITH MESH REF. 888, PLACED IN A COMMONLY R10 REINFORCEMENT.

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

2.4 ALL 200mm GLOBE WORK TO BE FILLED WITH CONCRETE (SANS 1882:2003).

1.1.12 DIFFERENT SOAK AWAYS:
16 SANITÁRIOS PÚBLICOS
CONDUCTOR LEGEND

1. 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2. 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3. 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND THE CENTRAL CONDUCTOR WITH AN EXTERNAL INSULATION COVERED INSULATION STRIPPED TO THE TWIN & EARTH CONNECTION

PHOTOCELL TO BE MOUNTED ON NORTH FACING SIDE OF BUILDING

WEATHER PROOF BOX

ONE LEVER LIGHT SWITCH
TWO LEVER LIGHT SWITCH
THREE LEVER LIGHT SWITCH

FOR ENQUIRIES CONTACT:

WorleyParsons RSA
20050166
L Padayachee 02/10/15

NAME SIGNATURE DATE

C Brandsen
06/10/15

T Meyer
02/10/15

WASHINGTON

Resettlement Village Public Toilets Lighting Layout

Resettlement Village

AMA1 RESETTLEMENT VILLAGE

DRAWN BY:

C Brandsen
06/10/15

CHECKED:

C Brandsen
28/09/15

TM SB
02/10/15

PR ENG:

SWITCH TO BE MOUNTED IN RECEDED JUNCTION BOX

PHOTOCELL TO BE MOUNTED IN RECEDED JUNCTION BOX

Switch to be mounted in recessed junction box

1. 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2. 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
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PHOTOCELL TO BE MOUNTED ON NORTH FACING SIDE OF BUILDING

WEATHER PROOF BOX

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20050166
L Padayachee 02/10/15

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06/10/15

T Meyer
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WASHINGTON

Resettlement Village Public Toilets Lighting Layout

Resettlement Village

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DRAWN BY:

C Brandsen
06/10/15

CHECKED:

C Brandsen
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TM SB
02/10/15

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SWITCH TO BE MOUNTED IN RECEDED JUNCTION BOX

PHOTOCELL TO BE MOUNTED IN RECEDED JUNCTION BOX

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PHOTOCELL TO BE MOUNTED ON NORTH FACING SIDE OF BUILDING

WEATHER PROOF BOX

ONE LEVER LIGHT SWITCH
TWO LEVER LIGHT SWITCH
THREE LEVER LIGHT SWITCH

FOR ENQUIRIES CONTACT:

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20050166
L Padayachee 02/10/15

NAME SIGNATURE DATE

C Brandsen
06/10/15

T Meyer
02/10/15

WASHINGTON

Resettlement Village Public Toilets Lighting Layout

Resettlement Village

AMA1 RESETTLEMENT VILLAGE

DRAWN BY:

C Brandsen
06/10/15

CHECKED:

C Brandsen
28/09/15

TM SB
02/10/15

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PHOTOCELL TO BE MOUNTED ON NORTH FACING SIDE OF BUILDING

WEATHER PROOF BOX

ONE LEVER LIGHT SWITCH
TWO LEVER LIGHT SWITCH
THREE LEVER LIGHT SWITCH

FOR ENQUIRIES CONTACT:

WorleyParsons RSA
20050166
L Padayachee 02/10/15

NAME SIGNATURE DATE

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06/10/15

T Meyer
02/10/15

WASHINGTON

Resettlement Village Public Toilets Lighting Layout

Resettlement Village

AMA1 RESETTLEMENT VILLAGE

DRAWN BY:

C Brandsen
06/10/15

CHECKED:

C Brandsen
28/09/15

TM SB
02/10/15

PR ENG:
PLANTA DE ACABAMENTOS E VÃOS
Finishing, Doors & Windows Plan

ACABAMENTOS / Finishings

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

TECTOS / Ceilings
Te4 - Chapa metálica IBR com estrutura de madeira tratada a vista
IBR metallic sheets with visible wooden treated structure

COBERTURA / Roofs
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SANITÁRIOS / Sanitary
SN1 - Porta rolos em porcelana
Toilet rolls holder in porcelain
SN5 - Conjunto de sanita turca em porcelana, modelo “VAAL ORIENTAL SQUAT PAN code 502300” ou similar
Squat pan in porcelain, model “VAAL ORIENTAL SQUAT PAN code 502300 or similar
SN6 - Sistema de latrina tipo “ENVIRO LOO” de acordo com especificações do fabricante
“ENVIRO LOO” system according to manufacturer's details

PINTURA / Painting

- Para especificações da pintura consultar documento em anexo.
- For all painting specifications refer to document in annex.
EA-MZ-C1000-WOR-E04-00031-01
ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-CI0100-WOR-E04-00901-01
EA-MZ-CI0100-WOR-E05-00900-01
EA-MZ-CI0100-WOR-E05-00043-02
EA-MZ-CI0100-WOR-E04-00026-01

STRUCTURAL
EA-MZ-CI0100-WOR-E05-00016-01

ELECTRICAL
EA-MZ-CI0100-WOR-E02-00108-01

---

PLANTA
Floor Plan

Cobertura em Chapas metálicas esmaltadas com perfil IBR
Metal roof enameled sheeting with IBR profile

---

PLANTA DE COBERTURA
Roof Plan

---

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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
DOOR SCHEDULE/ Mapa de vãos: Portas

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:  D3  
POSITION: Toilet/Shower  
QUANTITY:

FRAME:
Wood frame to manufacturers specs
Semi solid slatted timber door
Doors to be type PD60 - from Swartland or similar

FINISH:
1 coat primer 1 coat undercoat and 2 coats plascon enamel doors & trims colour "Light Brown" or equal & approved

IRONmongery:
102 x 75 x 3mm PVD double ball bearing butt hinge x 3 per door
Lock (3 leaver) with handles polished chrome finish similar to "Union" Protea CB612 handle

GLAZING:

Glazing Notes:
Este desenho é para ser lido em conjunto com:

This drawing is to be read in conjunction with:

ARCHITECTURAL
EA-MZ-CI0100-WOR-E04-00901-01
EA-MZ-CI0100-WOR-E05-00900-01
EA-MZ-CI0100-WOR-E05-00903-02
EA-MZ-CI0100-WOR-E04-00906-01

STRUCTURAL
EA-MZ-CI0100-WOR-E04-00901-01

ELECTRICAL
EA-MZ-CI0100-WOR-E02-00108-01

Cubeta lava-mão em betão
Concrete washing basin

Detalhes A

A acabamento em cimento queimado
Concrete floor to have power float finish

100mm blocos
100mm concrete blocks

Detaill A

Ferro da armadura Ø6mm
Reinforcing rods Ø6mm

Corte AA

Section AA

Descrição dos detalhes:

Concrete empty block
Concrete to have power float finish

Concrete to have power float finish

Estas dimensões devem ser verificadas no local antes de iniciar as obras. Qualquer discrepância deve ser referida ao engenheiro.

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17 HABITAÇÃO DE SUBSTITUIÇÃO
este desenho é para ser lido em conjunto com:

this drawing is to be read in conjunction with:

architectural
EA-MZ-CI0100-WOR-E04-01605-01
EA-MZ-CI0100-WOR-E05-01607-01
EA-MZ-CI0100-WOR-E06-01611-01
EA-MZ-CI0100-WOR-E06-01612-01
EA-MZ-CI0100-WOR-E06-01613-01

structural
EA-MZ-CI0100-WOR-E04-00001-01
EA-MZ-CI0100-WOR-E04-00002-01
EA-MZ-CI0100-WOR-E05-00010-01
EA-MZ-CI0100-WOR-E05-00001-01
EA-MZ-CI0100-WOR-E05-00002-01
EA-MZ-CI0100-WOR-E05-00003-01

water
EA-MZ-CI0100-WOR-E05-00120-01

electrical
EA-MZ-CI01000-WOR-E02-00002-01
EA-MZ-CI01000-WOR-E02-00002-02

NOTE:

- For internal kitchen and W.C: All sanitary ware, kitchen sink and taps not to be included. All water pipes and sewage system will be included for future use.
- Nota: Para a cozinha e W.C. interna: Todas as lições sanitárias e torneiras não estão incluídas. Todas as tubagens de água e saneamento estarão incluídas para futura ligação.

Steel diamond mesh gate single leaf to architect specs
Portão metálico com rede de acordo com especificações do arquiteto

Walkway in "PolyCem polymer" or similar, colour to architects specs
Passo em "PolyCem polymer" ou semelhante, cor a ser decidida pelo cliente

All water pipes and sewage system will be included for future use.
Todas as tubagens de água e sistema de saneamento estão incluídas para uso futuro.

NOTE:

Steel wire fencing Ø22mm with spacing between Ø75 steel security 1833mm high 7 hole posts (600mm below NGL) to architects specs
Cerca em aço de Ø22mm com espaçamento entre postes de aço Ø75 1800mm de altura com 7 buracos (660 milímetros abaixo do solo) a ser decidida pelo cliente.
This drawing is to be read in conjunction with:

ARCHITECTURAL
EA-MZ-C10100-WOR-E04-01604-01
EA-MZ-C10100-WOR-E05-01601-01
EA-MZ-C10100-WOR-E05-01602-01
EA-MZ-C10100-WOR-E05-01603-01
EA-MZ-C10100-WOR-E05-01604-01
EA-MZ-C10100-WOR-E05-01605-01

STRUCTURAL
EA-MZ-C10100-WOR-E04-00001-01
EA-MZ-C10100-WOR-E04-00002-01
EA-MZ-C10100-WOR-E05-00010-01
EA-MZ-C10100-WOR-E05-00001-01
EA-MZ-C10100-WOR-E05-00002-01
EA-MZ-C10100-WOR-E05-00003-01

WATER
EA-MZ-C10100-WOR-E05-00120-01

ELECTRICAL
EA-MZ-C10000-WOR-E02-00002-01
EA-MZ-C10000-WOR-E02-00002-02

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Scale: 1:50

Anadarko

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DRAWING DESCRIPTION

CASA DE REASSENTAMENTO - PLANTA DE PISO

A3@ 1:50

NO
DATE
CHECK
DESCRIPTION

0
25/11/15
0
ISSUED FOR CONSTRUCTION

1
21/07/15
0
ISSUED INTERNAL REVIEW

2
21/07/15
0
ISSUED FOR DETAIL DESIGN

3
21/07/15
0
ISSUED FOR SQUAD CHECK

4
16/11/15
0
ISSUED FOR CLIENT APPROVAL

5
01/10/15
0
ISSUED FOR CLIENT APPROVAL

6
01/10/15
0
ISSUED FOR CLIENT APPROVAL

0
21/07/15
0
ISSUED FOR DETAIL DESIGN

0
21/07/15
0
ISSUED FOR CONSTRUCTION
Metal roof sheathing 0.6mm IBR @23° pitch on 50x76 graded SA pine batten with Sisalation 405 roof underlay fixed to prefabricated roof trusses to eng. specs.

Cobertura metálica 0.6mm IBR @23° inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho do eng.

PVC pre-coloured gutter fixed to wood fascia board to manufacturers details.

Caliera em PVC de acordo com especificações do fabricante.

**Architectural**

EA-MZ-C10100-WOR-E04-01604-01
EA-MZ-C10100-WOR-E04-01605-01
EA-MZ-C10100-WOR-E05-00105-01
EA-MZ-C10100-WOR-E05-00105-02
EA-MZ-C10100-WOR-E05-01606-01

**Structural**

EA-MZ-C10100-WOR-E04-00001-01
EA-MZ-C10100-WOR-E04-00002-01
EA-MZ-C10100-WOR-E05-00001-01
EA-MZ-C10100-WOR-E05-00002-01
EA-MZ-C10100-WOR-E05-00003-01

**Water**

EA-MZ-C10100-WOR-E05-0120-01

**Electrical**

EA-MZ-C10000-WOR-E02-00002-01
EA-MZ-C10000-WOR-E02-00002-02

---

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

**THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:**

**DRAWING DESCRIPTION**

CASA DE REASSENTAMENTO - PLANTA DE COBERTURA TIPO B (2 ÁGUAS)

RESETTING HOUSE - ROOF PLAN TYPE B (2 PITCHED)

SCALE: A3@1:50

**DATE:** NOV 2015

**ISSUED FOR CONSTRUCTION**

**PARTS**

- WATER
- STRUCTURAL
- ELECTRICAL
- ARCHITECTURAL

---

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**DRAWING NUMBER:**

C00290-00-AR-DLP-0049-001
Concrete block work plastered & painted (interior & exterior) refer to finishing schedule.

Cobertura metálica 0.6mm IBR @23º inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng.

Concrete block work plastered & painted (interior & exterior) refer to finishing schedule.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details.

Caleira em PVC de acordo com especificações do fabricante.

Cobertura metálica 0.6mm IBR @23º inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details.

Concrete block work plastered & painted (interior & exterior) refer to finishing schedule.

Paredes em blocos rebocado & pintura (interior & exterior) de acordo com mapa de acabamentos.

Concrete block (200x400x200mm) work plastered & painted (interior & exterior) refer to finishing schedule.

Paredes em blocos (200x400x200mm) rebocado & pintura (interior & exterior) de acordo com mapa de acabamentos.

Solid treated timber door, refer to schedule.
Concrete block (200x400x200mm) work plastered & painted (interior & exterior) refer to finishing schedule.

Parede em blocos (200x400x200mm) rebocado & pintura (interior & exterior) de acordo com mapa de acabamentos.

Cobertura metálica 0.6mm IBR @23º inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng.

Cobração metálica 0.6mm IBR @23º para cima sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details.

Caleira em PVC de acordo com especificações do fabricante.

Metal roof sheeting 0.6mm IBR @23º pitch on 50x76 graded SA pine battens with Sisalation 405 roof underlay fixed to prefabricated roof trusses to eng. specs.

Concrete block (200x400x200mm) work plastered & painted (interior & exterior) refer to finishing schedule.

Parede em blocos (200x400x200mm) rebocado & pintura (interior & exterior) de acordo com mapa de acabamentos.

Estimated cost for the project: 

- Concrete block work: 
  - Interior: 
    - Cost: 
  - Exterior: 
    - Cost: 

- Plastering: 
  - Internal: 
    - Cost: 
  - External: 
    - Cost: 

- Painting: 
  - Internal: 
    - Cost: 
  - External: 
    - Cost: 

Total estimated cost: 

- Labour: 
  - Cost: 
- Materials: 
  - Cost: 
- Miscellaneous: 
  - Cost: 

Total estimated cost for the project: 

- Final cost: 

Notes: 

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- This drawing is to be read in conjunction with:
  - Architectural
  - Structural
  - Electrical
  - Water
  - Civil
  - Mechanical
  - Electrical
  - Mechanical

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

<table>
<thead>
<tr>
<th>FLOOR</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>WALLS</td>
<td>FOR PAINT DETAILS REFER TO MANUFACTURER’S DOCUMENT ATTACHED: EA-MZ-C01000-WOR-004-00031-01</td>
<td>FOR PAINT DETAILS REFER TO MANUFACTURER’S DOCUMENT ATTACHED: EA-MZ-C01000-WOR-004-00031-01</td>
</tr>
<tr>
<td>CEILING</td>
<td>5mm PLASTERED &amp; SKIMMED GYPSUM TROWEL BOARD</td>
<td>FOR PAINT DETAILS REFER TO MANUFACTURER’S DOCUMENT ATTACHED: EA-MZ-C01000-WOR-004-00031-01</td>
</tr>
<tr>
<td>SILLS</td>
<td>NUTEC SILLS, TO MANUFACTURER’S DETAILS, SAME COLOUR AS INTERNAL WALLS, REFER TO DRAWING: EA-MZ-C01000-WOR-005-00049-00</td>
<td>NUTEC SILLS, TO MANUFACTURER’S DETAILS, SAME COLOUR AS INTERNAL WALLS, REFER TO DRAWING: EA-MZ-C01000-WOR-005-00049-00</td>
</tr>
</tbody>
</table>

### External Schedule

<table>
<thead>
<tr>
<th>FLOOR</th>
<th>1</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>WALLS</td>
<td>FOR PAINT DETAILS REFER TO MANUFACTURER’S DOCUMENT ATTACHED: EA-MZ-C0000-WOR-004-00031-01</td>
<td>COLOUR TO BE NATURAL CONCRETE</td>
</tr>
<tr>
<td>ROOF SHEET SPECS</td>
<td>METAL ROOF SHEETING 0.6mm BR 033* PITCH 0360 GRADED C30/35 STRENGTH 80MM TO UNDERLAY FIXED TO PRE-FABRICATED ROOF “TRUSSES” TO ENG. SPECS.</td>
<td>OVERALL COLOUR TO BE “KEVLAHAR RED” COLOUR OR SIMILAR</td>
</tr>
</tbody>
</table>

### Specifications:

**External Walling:**
- External wall to be 300x400x200mm hollow concrete blocks nominal compressive strength minimum of 5.0 MPa (check manufacturer details) unless otherwise stated.
- All block in stretcher bond laid in cement mortar to structural engineer’s specification.
- All mortar joints to be 10mm.
- All brickwork shall be in stainless steel for external walls and galvanised for internal walls to engineer’s specifications.
- All external wires should have at least 20mm coverage from face of blockwork.
- All walls with no ring beam to have brickwork every course to door/roof height. Thereafter every course to wallplate height.
- Internal sills plastered as per wall. External sills: refer to Arch. drawing: EA-MZ-C01000-WOR-005-00486-00.
- Wall finish to be plaster & paint applied strictly to manufacturers specification.

**Internal Divisions:**
- Internal wall to be 100x400x200mm hollow concrete blocks nominal compressive strength minimum of 5.0 MPa (check manufacturer details) unless otherwise specified on floor plan.
- All block in stretcher bond laid in cement mortar to structural engineer’s specification.
- All mortar joints to be 10mm.
- Brickwork as per previous.
- All doors to have rubber stopstrips.
- Wall finish to be plaster & paint applied strictly to manufacturers specification: EA-MZ-C01000-WOR-004-00031-01.

**Plaster Specs:**
- All plastered walls, ceiling and similar surfaces being painted or destempered shall be filled where necessary with suitable stopping orpatching.
- Plaster and rubbed down ready to receive the finishing.
- All plaster mix to be in strict accordance to manufacturer’s specification.
- Plaster shall be 15mm thick wood float finish for external walls, columns & beams. Internal walls shall be 12mm thick steel float finish.
- All excessive mortar is to be removed from blockwork and joints raked prior to plastering.
- Walls shall be well-wetted before plastering commences.

**Painting Specs:**
- Preparatory work: all floors must be swept and all dusted down, and all surfaces not being painted to be covered up and protected.
- For paint details refer to manufacturer’s document attached: EA-MZ-C0000-WOR-004-00031-01.

**Structural:**
- All concrete floor slab edges to be bullnose rounded 20mm to prevent cracks where necessary (steps & edge of porches).
- Concrete floor to have power float finish.

**Floor Finishing:**
- All concrete floor slab edges to be bullnose rounded 20mm to prevent cracks where necessary (steps & edge of porches).
- Concrete floor to have power float finish.
ARCHITECTURAL
EA-MZ-CI0100-WOR-E05-01600-01
EA-MZ-CI0100-WOR-E05-01610-01
EA-MZ-CI0100-WOR-E05-00150-01
EA-MZ-CI0100-WOR-E05-01614-01

STRUCTURAL
EA-MZ-CI0100-WOR-E04-00001-01
EA-MZ-CI0100-WOR-E04-00002-01
EA-MZ-CI0100-WOR-E05-00010-01
EA-MZ-CI0100-WOR-E05-00001-01
EA-MZ-CI0100-WOR-E05-00002-01
EA-MZ-CI0100-WOR-E05-00003-01

WATER
EA-MZ-CI0100-WOR-E05-01000-01
EA-MZ-CI0100-WOR-E02-00002-01
EA-MZ-CI0100-WOR-E02-00002-02

ELECTRICAL
EA-MZ-CI0000-WOR-E02-00002-01
EA-MZ-CI0000-WOR-E02-00002-02

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A PVC pre-coloured gutter fixed to wood facia board to manufacturers details

Caleira em PVC de acordo com especificações do fabricante

Metal roof sheeting 0.6mm IBR @23º pitch on 50x76 graded SA pine battens with Sisalation 405 roof underlay fixed to prefabricated roof trusses to eng. specs

Cobertura metalica 0.6mm IBR @23º inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details

Caleira em PVC de acordo com especificações do fabricante
Concrete block work plastered & painted (interior & exterior) refer to finishing schedule.

Cobertura metalica 0.6mm IBR @23º inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details.

Concrete block (200x400x200mm) work plastered & painted (interior & exterior) refer to finishing schedule.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details.

Cobertura metalica 0.6mm IBR @23º inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng.

Concrete block work plastered & painted (interior & exterior) refer to finishing schedule.

Cobertura metalica 0.6mm IBR @23º inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng.

Concrete block work plastered & painted (interior & exterior) refer to finishing schedule.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details.

Concrete block (200x400x200mm) work plastered & painted (interior & exterior) refer to finishing schedule.

PVC pre-coloured gutter fixed to wood facia board to manufacturers details.

Concrete block work plastered & painted (interior & exterior) refer to finishing schedule.
Fixed metal triangular louver coated externally
light grey with internal net, to manufacturers specs.
Ventilador metalico fixo pintado cinzento claro,
com rede interna, de acordo desenhos de fabricante

Metal roof sheeting 0.6mm IBR @23º pitch
on 50x76 graded SA pine battens with
Sisalation 405 roof underlay fixed to
prefabricated roof trusses to eng. specs

PVC pre-coloured gutter fixed to wood facia board
to manufacturers details
Calha em PVC de acordo com especificações do fabricante

Concrete block (200x400x200mm) work
plastered & painted (interior & exterior) refer
to finishing schedule
Parade em blocos (200x400x200mm)
rebarbado & pintura (interior & exterior) de
acordo com mapa de acabamentos
**ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:**

**ARCHITECTURAL**
EA-MZ-CI0100-WOR-E04-01605-01
EA-MZ-CI0100-WOR-E04-01601-01
EA-MZ-CI0100-WOR-E05-00010-01
EA-MZ-CI0100-WOR-E05-00001-01
EA-MZ-CI0100-WOR-E05-00002-01
EA-MZ-CI0100-WOR-E05-00003-01
EA-MZ-CI0100-WOR-E05-00012-01

**STRUCTURAL**
EA-MZ-CI0100-WOR-E04-00001-01
EA-MZ-CI0100-WOR-E04-00002-01
EA-MZ-CI0100-WOR-E05-00010-01
EA-MZ-CI0100-WOR-E05-00002-02
EA-MZ-CI0100-WOR-E05-00002-02

**WATER**
EA-MZ-CI0100-WOR-E05-00120-01

**ELECTRICAL**
EA-MZ-CI0100-WOR-E02-00002-01
EA-MZ-CI0100-WOR-E02-00002-02

**DESCRIPTION**

- Metal roof sheeting 0.6mm IBR @23° pitch on 50x76 graded SA pine batten with Sisalation 405 roof underlay fixed to prefabricated roof trusses to eng. specs. Cobertura metálica 0.6mm IBR @23° inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng. Viga de concreto de acordo com desenho de eng. Matéria prima de embalagens do fabricante.

- Fixed metal triangular louver coated externally light grey with internal net, to manufacturers specs. Ventilador metálico fixo pintado cinzento claro, com rede interna, de acordo com desenho de fabricante.

- Concrete air brick to manufacturers specs. Respirador em betão

- PVC pre-coloured gutter fixed to wood facia board to manufacturers details. Calçada em PVC de acordo com especificações do fabricante.

- Concrete hollow block (200x400x200mm) work plastered & painted (interior & exterior) refer to finishing schedule. Parede em blocos (200x400x200mm) rebaçado & pintado, refer ao cronograma de acabamentos.

- Concrete hollow block (200x400x200mm) work plastered & painted (interior & exterior) refer to finishing schedule. Parede em blocos (200x400x200mm) rebaçado & pintado, refer ao cronograma de acabamentos.

- 9.4mm plastered & skimmed gypsum rhino board, nailed on 38x38mm s.a. pine timber batten @600mm over & battens nailed to timber trusses to manufacturers specs. Tecto falso "gypsum rhino board" 9.4mm rebocado & pintado, pregado em ripas de madeira 38x38mm @600mm de acordo com desenho de especialista.

- Concrete hollow block (200x400x200mm) work plastered & painted (interior & exterior) refer to finishing schedule. Parede em blocos (200x400x200mm) rebaçado & pintado, refer ao cronograma de acabamentos.

- 9.4mm plastered & skimmed gypsum rhino board, nailed on 38x38mm s.a. pine timber batten @600mm over & battens nailed to timber trusses to manufacturers specs. Tecto falso "gypsum rhino board" 9.4mm rebocado & pintado, pregado em ripas de madeira 38x38mm @600mm de acordo com desenho de especialista.

- Concrete hollow block (200x400x200mm) work plastered & painted (interior & exterior) refer to finishing schedule. Parede em blocos (200x400x200mm) rebaçado & pintado, refer ao cronograma de acabamentos.

- 9.4mm plastered & skimmed gypsum rhino board, nailed on 38x38mm s.a. pine timber batten @600mm over & battens nailed to timber trusses to manufacturers specs. Tecto falso "gypsum rhino board" 9.4mm rebocado & pintado, pregado em ripas de madeira 38x38mm @600mm de acordo com desenho de especialista.
Este desenho é para ser lido em conjunto com:

Architectural
EA-MZ-CI0100-WOR-E04-01604-01
EA-MZ-CI0100-WOR-E05-01609-01
EA-MZ-CI0100-WOR-E05-01610-01
EA-MZ-CI0100-WOR-E05-00150-01
EA-MZ-CI0100-WOR-E05-01614-01

Structural
EA-MZ-CI0100-WOR-E04-00001-01
EA-MZ-CI0100-WOR-E04-00002-01
EA-MZ-CI0100-WOR-E05-00010-01
EA-MZ-CI0100-WOR-E05-00001-01
EA-MZ-CI0100-WOR-E05-00002-01
EA-MZ-CI0100-WOR-E05-00003-01

Water
EA-MZ-CI0100-WOR-E05-00120-01

Electrical
EA-MZ-CI0100-WOR-E02-00002-01
EA-MZ-CI0100-WOR-E02-00002-02

Cobertura em Chapas metálicas esmaltadas com perfil IBR de acordo com especialista

Parade em blocos
(200x400x200mm)
 pintado e rebocado

Hollow block
(100x400x200mm) work
plastered & painted

Tanque de lavar a roupa
HPEHWmRFRPGXDVEDFLDV
por "Vanstone" ou similar

Concrete Wash basin with
outlet & 2 pedestals by
"Vanstone" or similar

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Drawing Description
Casa de Reasentamento - Pormenores, Duche & Latrina Folha 2 de 2
R. House - Shower & Latrine
Details Sheet 2 of 2

Issued for Construction

Anadarko Drawing Number: EA-MZ-CI0100-WOR-E05-01607-02

Scale: A3@ 1:50

Date: NOV 2015

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Concrete slab counter top, to eng slab detail, with steel float finish cured and sealed (clearcoat) and bullnose rounded top edge 20mm

Concrete hollow block (100x400x200mm) work plastered & painted

Silicon sealant joint 12mm plaster

Concrete slab counter top, to eng slab detail, with steel float finish cured and sealed (clearcoat) and bullnose rounded top edge 20mm

Concrete hollow block (100x400x200mm) work plastered & painted

Silicon sealant joint 12mm plaster
**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

---

### Glazing Notes:

**Livingroom**

- **1** COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS & TRIMS COLOUR "LIGHT BROWN" OR EQUAL & APPROVED

- **102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR**

- LOCK (3 LEAVERS) WITH HANDLES POLISHED CHROME FINISH SIMILAR TO YALE GOWER HANDLE

---

### Glazing Notes:

**Kitchen/Bedrooms**

- **3** COATS CLEAR VARNISH

- **102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR**

- LOCK (2 LEAVERS) WITH HANDLES POLISHED CHROME FINISH SIMILAR TO YALE GOWER HANDLE
**NOTES:**

1. ALL DOORS WILL BE OF UMBILA OR OF EQUIVALENT WOOD QUALITY & APPROVED

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

**ACABAMENTOS:**

1. ENAMEL DOORS & TRIMS COLOUR “LIGHT BROWN” OR EQUAL & APPROVED

2. 1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON

**FERRAGENS:**

1. 102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 2 PER WINDOW PANEL

2. 102 x 75 x 3mm PVD DOUBLE BALL BEARING Hinge X 3 PER DOOR

**GLAZING:**

1. 3mm CLEAR GLASS

2. 1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON
**Concrete footing set at each post to eng. specs**

**Detailed Description:**

- **PLANTA Plan**
  - Ø75mm Steel security 1630mm high (600mm below NGL) 7 hole post hot dip galvanized finish with dished cap with spacing between posts to eng. specs
  - Galvanized steel wire Ø2mm
  - Concrete footing set at each post to eng. specs

- **ALCADO Elevation**
  - Ø75mm Steel security 1630mm high (600mm below NGL) 7 hole post hot dip galvanized finish with dished cap with spacing between posts to eng. specs
  - Galvanized steel wire Ø2mm
  - Concrete footing set at each post to eng. specs

- **CORTE A-A Section A-A**
  - Ø75mm Steel security 1630mm high (600mm below NGL) 7 hole post hot dip galvanized finish with dished cap with spacing between posts to eng. specs
  - Galvanized steel wire Ø2mm
  - Concrete footing set at each post to eng. specs

---

**NOTA:**

- **TODAS A DIMENSÕES E PORMENORES PARA CONSULTAR DESENHOS DE ENG.**

**NOTE:**

- **ALL DIMENSIONS AND DETAILS REFER TO ENG. DRAWINGS**
## Estabelecendo Límites

- **Limite do Terreno**: Site boundary

## Detalhes da Freguesia

- **Cobertura em Chapas**: Metal roof enameled sheeting with IBR profile according to specialist

## Detalhes da Cozinha Exterior

- **Bancada em bloco**: Concrete slab countertop, to eng slab detail, topped with tiles 200x200mm
- **Pareda em blocos**: Hollow block (100x400x200mm) work plastered & painted (interior & exterior)

## Detalhes da Pavimentação

- **Acabamento do pavimento**: Polished concrete floor

## Dimensões

- Dimensões variam conforme seção e detalhe

## Outras Informações

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

---

**Imagem**: Desenho de uma cozinha exterior com detalhes de pavimentos, bancadas e cobertura em chapas metálicas. O desenho é para ser lido em conjunto com outros desenhos relacionados.

**Título**: Casa de Reasentamento - Pomenores Cozinha Exterior

**Projecto**: A1 Resettlement Village

**Descrição**: Casa de Reasentamento - Pomenores Cozinha Exterior - Detalhes da Cozinha Exterior

**Dimensionamento**: A3@ 1:50

**Data**: 21/07/15

---

**Autor**: WorleyParsons RSA

**Copyright**: Copyright reserved

---

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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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This drawing is to be read in conjunction with:

ARCHITECTURAL
EA-MZ-C10100-WOR-EO5-01601-01
EA-MZ-C10100-WOR-EO5-01607-01
EA-MZ-C10100-WOR-EO5-01610-01
EA-MZ-C10100-WOR-EO5-00150-01
EA-MZ-C10100-WOR-EO5-01614-01
18 ALDEIA DE REASSENTAMENTO
**Notes:**

1. All light switches to be at 1400mm A.F.F.
2. Light switches to be installed 150mm from the corner of rooms or door frames.
3. All measurements are to the centre of the sockets.

**Measurements are to centre of switch.**

---

**Typical Light Switch Mounting Detail**

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

---

**Typical Socket Outlet Installation**

- Full details are installed at 150mm (OD), unless otherwise indicated on the drawing.
- Measurements are to the centre of the sockets.

---

**List of Materials**

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**SITE SETTING OUT**

R. van SCHALKWYK
P.O. Box 61232, MARSHALLTOWN, 2107
WorleyParsons RSA (Pty) Ltd.

DATE: 14/10/15

DESIGNER: [Signature]

NOTES

REVISIONS

ISSUED FOR CONSTRUCTION

[Signature]

[Stamp]
### Projecto de Desenvolvimento de Gás em Moçambique

**Plano do Reassentamento**

Anexo I: Projecto de construção da aldeia de reassentamento

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### 19 ESTRADAS
CROSS SECTION VILLAGE ROADS: ALL OTHER INTERNAL ROADS INCLUDING ROAD TO THE CEMETERY AND EXTENSION OF BYPASS ROAD TO EXISTING SENGA VILLAGE ROAD.

SCALE 1:50

MATERIAL STANDARDS: ALL OTHER INTERNAL ROADS INCLUDING ROAD TO THE CEMETERY AND EXTENSION OF BYPASS ROAD TO EXISTING SENGA VILLAGE ROAD.

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<th>CBR AT %</th>
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<th>MAX</th>
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NOTE:
1. POLYMER STABILIZATION
2. THE PI SHALL NOT EXCEED 12 OR A VALUE TO 3 TIMES THE GM PLUS 10, WHICHEVER IS THE HIGHER VALUE.

CROSS SECTION RESIDENTIAL AREAS: MASS EARTH WORKS

SCALE 1:50

NOTE:
1. POLYMER STABILIZATION
2. THE PI SHALL NOT EXCEED 12 OR A VALUE TO 3 TIMES THE GM PLUS 10, WHICHEVER IS THE HIGHER VALUE.
ROAD B1: km 0.000 - km 0.500
ROAD B1: km 0.500- END
SCALE 1:1000
ROAD B1

LAYOUT PLAN AND LONGITUDINAL SECTION:
ROAD B1

3.5 3.5

CHECKED AMA 1
RESETTLEMENT VILLAGE

DATE
39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG
P.O. Box 61232, MARSHALLTOWN, 2107
TEL: +27 (0)11 218 3000
FAX: +27(0)11 218 3100
www.worleyparsons.com
WorleyParsons RSA (Pty) Ltd.

PROJECT

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CONSTRUCTION

ISSUED FOR CONSTRUCTION

CLIENT:
PR ENG:
DESIGNER:
CHECKED:
DRAWN BY:
LOCAL PR ENG:
PROJECT ENG MANAGER:

NAME SIGNATURE DATE

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

LEGEND

POLYCEM SIDE DRAIN

REFERENCE DWG's No:
1. EA-MZ-CI000-WOR-E05-00018-21
2. EA-MZ-CI000-WOR-E05-00018-22
3. EA-MZ-CI000-WOR-E05-00018-11
4. EA-MZ-CI000-WOR-E05-00018-12
5. EA-MZ-CI000-WOR-E05-00018-13

SCALE FOR REDUCED PLAN
NOTES

50mm ON ORIGINAL DRAWING

All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
ROAD B4: km 0.000- END
SCALE 1:1000

ROAD B4

LONGSECTION
HOR SCALE 1:2000
VER SCALE 1:500

CHANGE (m)
LEFT 3.5
CENTRE LINE
RIGHT 3.5

GROUND LEVELS
VERTICAL CURVES
HORIZONTAL ALIGNMENT
SUPER ELEVATION

DESIGN SPEED: 40km/h

REFERENCE DWG's No:
1. EA-MZ-CI000-WOR-E05-00015-21
2. EA-MZ-CI000-WOR-E05-00018-09
3. EA-MZ-CI000-WOR-E05-00018-11

DECEMBER 2015 AS SHOWN

LAYOUT PLAN AND LONGITUDINAL SECTION:
ROAD B4

WorleyParsons

Anadarko

REVISIONS

NOTES

POLYCEM SIDE DRAIN

ISSUED FOR CONSTRUCTION

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04/08/15 ISSUED FOR INTERNAL REVIEW A D. du T. A.U.
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30/10/15 E D. du T. A.U. ISSUED FOR CLIENT APPROVAL
01/12/15 0 D. du T. A.U. ISSUED FOR CONSTRUCTION

01/12/2015

ADDRESS:
39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG
P.O. Box 61232, MARSHALLTOWN, 2107
TEL: +27 (0)11 218 3000
FAX: +27(0)11 218 3100
www.worleyparsons.com

CLIENT:

LOCAL PR ENG:
PROJECT ENG MANAGER:

PR ENG:
DESIGNER:
CHECKED:
DRAWN BY:
NAME SIGNATURE DATE

PR ENG:

LOCAL PR ENG:

PR ENG:

NAME SIGNATURE DATE

NAME SIGNATURE DATE

NAME SIGNATURE DATE
ROAD B6: km 0.000- END

SCALE 1:1000

SCALE FOR REDUCED PLAN: 10 40 20

50mm ON ORIGINAL DRAWING

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REVISIONS

DATE

ISSUED FOR

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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 F D. d T. A.U. ISSUED FOR CONSTRUCTION

REFERENCES DWG No:
1. EA-MZ-CI000-WOR-E05-00015-21
2. EA-MZ-CI000-WOR-E05-00018-08
3. EA-MZ-CI000-WOR-E05-00018-09
4. EA-MZ-CI000-WOR-E05-00018-19

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ROAD B6

LONGSECTION
HOR SCALE 1:2000
VER SCALE 1:200

CHAMFER (m)

LEFT 3.5
CENTRE LINE
RIGHT 3.5

GROUND LEVELS

VERTICAL CURVES

HORIZONTAL ALIGNMENT

SUPER ELEVATION

DESIGN SPEED: 40km/h

DATE

08/15 01/12/2015 01/12/2015
01/12/15

LAYOUT PLAN AND LONGITUDINAL SECTION:
ROAD B6
ROAD SIGN FACE 1.4mm THICK
PREPAINTED GALVANIZED STEEL

1. DETAILS ON THIS DRAWING ARE APPLICABLE TO ROAD SIGNS SMALLER THAN 1.5m² REQUIRING DOUBLE / SINGLE SUPPORTS.


3. BLIND RIVETS SHALL BE 4.8mm DIA CADMIUM PLATED MILD STEEL.

4. 6.4mm DIA. CADMIUM PLATED MILD STEEL BOLTS WITH WASHERS AND NUTS. 80mm LONG AT 150mm (MAX).

5. BLIND RIVETS ON THE SIGN FACE MUST BE PAINTED TO SUIT THE SIGN COLOUR.

THE ROAD SIGN FACES SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

1. DETAILS ON THIS DRAWING ARE APPLICABLE TO ROAD SIGNS SMALLER THAN 1.5m² REQUIRING DOUBLE / SINGLE SUPPORTS.


3. BLIND RIVETS SHALL BE 4.8mm DIA CADMIUM PLATED MILD STEEL.

THE ROAD SIGN FACES SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

1. DETAILS ON THIS DRAWING ARE APPLICABLE TO ROAD SIGNS SMALLER THAN 1.5m² REQUIRING DOUBLE / SINGLE SUPPORTS.


3. BLIND RIVETS SHALL BE 4.8mm DIA CADMIUM PLATED MILD STEEL.

THE ROAD SIGN FACES SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

1. DETAILS ON THIS DRAWING ARE APPLICABLE TO ROAD SIGNS SMALLER THAN 1.5m² REQUIRING DOUBLE / SINGLE SUPPORTS.


3. BLIND RIVETS SHALL BE 4.8mm DIA CADMIUM PLATED MILD STEEL.
CAST IN-SITU EDGE BEAM

CAST IN-SITU TRANSITION SECTION (CLASS 20/19 CONCRETE)

CAST IN-SITU SLOPING KERB

STANDARD PRECAST SEMI VERTICAL KERB

CAST IN-SITU TRANSITION SECTION (CLASS 20/19 CONCRETE)

CAST IN-SITU EDGE BEAM

STANDARD PRECAST

TRANSITION FROM SLOPING KERB

TRANSITION FROM SEMI VERTICAL / BARRIER KERB

CLASS 20/19 CONCRETE (SEE TRANSITION DETAIL)

STANDARD CAST IN-SITU SLOPING KERB

TRANSITION FROM SLOPING KERB

TRANSITION FROM SEMI VERTICAL / BARRIER KERB

CLASS 25/19 CONCRETE

SEMI VERTICAL / BARRIER KERB (CLASS 25/19 CONCRETE)

TRANSITION FROM SLOPING KERB

TO EDGE BEAM

TO SEMI VERTICAL KERB (Fig 7)

DETAIL OF VEHICLE ENTRANCE

IN SEMI VERTICAL KERBING

NOTES:

1. CAST IN-SITU CONCRETE

1.1 Concrete to be class 20/19.

1.2 Concrete to be cured for a minimum period of 7 days.

1.3 All concrete to be used for sloping kerbs or edge beams shall have a slump not greater than 60mm. 1.4 Mortar mix shall be used. 1.5 The use of a machine to place cast in-situ kerbs must first be approved by the Engineer.

25

R20

NOTES

1. All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
ROAD B6 - A1
CONTRACT 1 - INTERSECTION 1
SCALE 1:500

ROAD A2 - A1
CONTRACT 1 - INTERSECTION 2
SCALE 1:500

INTERSECTION SETTING OUT
COORDINATES WGS84 / UTM 37S

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INTERSECTION SETTING OUT
COORDINATES WGS84 / UTM 37S

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<tr>
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REVISIONS

NAME SIGNATURE DATE

04/08/15 ISSUED FOR INTERNAL REVIEW
04/08/15
04/08/15
04/08/15

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