**EMPLACEMENTS ET CÔNSTRUCTIONS**

**ACABAMENTOS / Finishings**

**PAVIMENTOS / Pavements**
- **Pv2** - Pavimento de cimento queimado
  - Concreto de pisos para acabamento em float

**TECTOS / Ceilings**
- **Te4** - Chapa metálica IBR com estrutura de madeira tratada a vista
  - Chapa IBR com perfil de vedação e estrutura de madeira tratada

**COBERTURA / Roofs**
- **Co1** - Chapas metálicas esmaltadas com perfil IBR

**PAREDES / Walls**
- **Pa2** - Pintura com tinta esmalte de cor até 1.50m de altura
  - Pinta oito m de altura até o teto
  - Pintura com PVA sobre reboco liso até o teto

**SANITÁRIOS / Sanitary**
- **SN1 / SN6** - Conjunto de sanita turca em porcelana
  - Sanitário em porcelana, modelo "VAAL ORIENTAL SQUAT PAN code 502300" ou similar

**SISTEMA DE LATRINAS / Sanitary Flushing System**
- **Enviro Loo per manufacturers details**

**PLANTA DE ACABAMENTOS E VÃO**

**Finishing, Doors & Windows Plan**

**Concrete washing basin to detail A**
- Cuba lava-mão em betão de acordo com detalhe A

**Enviro Loo to manufacturer details**
- Enviro Loo de acordo com detalhes e especificações do fabricante

**Note:**
- All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
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
Localização: WC
Qty: 3

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

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

Ironmongery:
Ferragens:
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:
Vidros:

Glazing Notes:
**ACABAMENTOS / Finishings**

**PAVEIMIENTOS / 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**

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
(Lambril) e tinta plástica sobre reboco liso até o teto
Colour enamel paint until 1.50m height wainscoting PVA paint on plain plaster to ceiling height

**SANITÁRIOS / Sanitary**

SN1 - Porta rollos 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 manufacturers details

**PINTURA / Painting**

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

EA-MZ-CI0000-WOR-E04-00031-01
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: Codigo: D3

Position: Localização: Toilet Shower

Qty: Qtd: 3

Frame: Aro:
WOOD FRAME TO MANUFACTURERS SPECS
SEMI SOLID SLATTED TIMBER DOOR
DOORS TO BE TYPE PD50 - from SWARTLAND OR SIMILAR

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

Ironmongery: Ferragens:
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: Vidros:

Glazing Notes:
ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

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

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

**ELEVATION**

- **Concrete hollow block** (100x400x200mm) work plastered & painted (interior & exterior)
- **Concrete floor** to have power float finish
- **Concrete washing basin**

ALÇADO POSTERIOR

**ELEVATION**

- **Metal roof** enameled sheeting with IBR profile according to specialist
- **Concrete hollow block** (100x400x200mm) work plastered & painted (interior & exterior)

ALÇADO LATERAL

**ELEVATION**

- **Concrete floor** to have power float finish
- **Concrete washing basin**

**SECTION AA**

- **Concrete hollow block** 100mm
- **Concrete floor to have power float finish**
- **Concrete washing basin**

**DETAIL A**

- **Reinforcing rods Ø6mm**
- **Concrete washing basin**
Total Area for sidewalk pavement: approx. 1258 m²
COMMUNITY FACILITIES - SCHOOL - INTERNAL DRAINAGE CONNECTIONS

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A-TRAP</td>
<td>No.</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>50mm - 87° 5' ACCESS BEND</td>
<td>No.</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>63mm - DOUBLE 87° 5' PLAIN JUNCTION</td>
<td>No.</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>110mm - SINGLE 87° 5' PLAIN/REDUCING JUNCTION</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>50mm ND PVC PIPE</td>
<td>m</td>
<td>7m</td>
</tr>
<tr>
<td>6</td>
<td>110mm - 87° 5' VENTHORN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>50mm VENT COWL</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>1 1/2 - 87° 5' PLAIN BEND</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>1 1/2 ND PVC PIPE</td>
<td>m</td>
<td>4m</td>
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</tbody>
</table>

COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
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<tbody>
<tr>
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<td>50mm ND PVC PIPE</td>
<td>m</td>
<td>9m</td>
</tr>
<tr>
<td>2</td>
<td>50mm VENT COWL</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>1 1/2 - 87° 5' PLAIN BEND</td>
<td>No.</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
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<td>5</td>
<td>110mm - SINGLE 87° 5' PLAIN/REDUCING JUNCTION</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>50mm - 87° 5' ACCESS BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>1 1/2 ND PVC PIPE</td>
<td>m</td>
<td>3m</td>
</tr>
<tr>
<td>8</td>
<td>A-TRAP</td>
<td>No.</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>50mm ND PVC PIPE</td>
<td>m</td>
<td>7m</td>
</tr>
</tbody>
</table>

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

PLAN - SCHOL ADMIN. BUILDING

1:50

CONCRETE HOLLOW BLOCK WALL

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL
GATE SCHEDULE / Mapa de vãos: Portões

ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED/VERIFIED ON SITE AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT. ALL DIMENSIONS AND LEVELS DEBEN SER VERIFICADOS 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.
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: GATE 2

Position: External Main Entrance

Quantity: 2 folhas de abrir / 2 operable leafs

System: Sistema
TUBO DE AÇO DE 4X20MM + REDE TUBARÃO / 4X20 GALV STEEL SECTION + CHAIN LINK FENCING
VARÃO DE AÇO DE Ø15MM - ARMAÇÃO DA REDE / Ø15MM SOLID STEEL SECTION - CHAIN LINK FENCING FRAME
CHAPA DE AÇO DE 1,5MM / 1.5MM STEEL SHEET

Materials: Materials

Finishing: Acabamento
ZARÇÃO / ZKW PHOSPHATE PRIMER
TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

Ironmongery: Ferragens

Materials: Materials
4 PUXADORES + 2 TRINCOS DE CULATRA PARA CADEADO DE 5º EM AÇO / 4 STEEL KNOBS + 2 TRIP LIGHT BOLT FOR LOCK

Fixing: Fixação
CHUMBAD A PAREDE / PLUGGED TO WALL

Materials: Materials
CANTONERAS DE AÇO DE 35X35MM / 35X35MM "L" STEEL SECTION

Finishing: Acabamento
ZARÇÃO / ZKW PHOSPHATE PRIMER
TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

CODE: GATE 1

Position: External Main Entrance

Quantity: 1 folha de abrir / 1 operable leaf

System: Sistema
TUBO DE AÇO DE 4X20MM + REDE TUBARÃO / 4X20 GALV STEEL SECTION + CHAIN LINK FENCING
VARÃO DE AÇO DE Ø15MM - ARMAÇÃO DA REDE / Ø15MM SOLID STEEL SECTION - CHAIN LINK FENCING FRAME

Materials: Materials

Finishing: Acabamento
ZARÇÃO / ZKW PHOSPHATE PRIMER
TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

Ironmongery: Ferragens

Materials: Materials
2 PUXADORES + 1 TRINCO DE CULATRA PARA CADEADO DE 5º EM AÇO / 2 STEEL KNOBS + 1 TRIP LIGHT BOLT FOR LOCK

Fixing: Fixação
CHUMBAD A PAREDE / PLUGGED TO WALL

Materials: Materials
CANTONERAS DE AÇO DE 35X35MM / 35X35MM "L" STEEL SECTION

Finishing: Acabamento
ZARÇÃO / ZKW PHOSPHATE PRIMER
TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

Drawing Scale: 1:50
Drawing Date: 25/11/15

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

ISSUED FOR CONSTRUCTION
25/11/15

AP

MM

P.O. Box 61232, MARSHALLTOWN, 2107
TEL: +27 (0)11 218 3000
WWW.WORLEYPARSONS.COM

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16. PUBLIC TOILET
Concrete hollow block (100x400x200mm) work plastered & painted (interior & exterior).

Concrete floor to have power float finish.

Metal roof enamel sheeting with IBR profile according to specialist.

Concrete hollow block (100x400x200mm) work plastered & painted (interior & exterior).

Concrete to have power float finish.
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:

Frame:

Finish:

Ironmongery:

Glazing:

Glazing Notes:

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

ARCHITECTURAL
EA-MZ-CIO100-WOR-E04-00901-01
EA-MZ-CIO100-WOR-E05-00900-01
EA-MZ-CIO100-WOR-E05-00042-02
EA-MZ-CIO100-WOR-E04-00026-01

STRUCTURAL
EA-MZ-CIO100-WOR-E05-00016-01

ELECTRICAL
EA-MZ-CIO100-WOR-E02-00108-01

All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
Concreto lavatório em betão de acordo com detalhe A

Sanitários
- SN1' / SN6: Porta rolos em porcelana
- SN5: Conjunto de sanita turca em porcelana
- SN6: Sistema de latrina tipo "ENVIRO LOO" de acordo com especificações do fabricante

Pintura
- Para especificações da pintura consultar documento em anexo.
- For all painting specifications refer to document in annex.
EA-MZ-CIO100-WOR-E04-00031-01

---

**ACABAMENTOS / Finishes**

**PAVIMENTOS / Pavements**
- Pv2: Concreto pavimento com acabamento

**TECTOS / Ceilings**
- Te4: Chapa metálica IBR com estrutura de madeira tratada

**WALLS**
- Pa2: Pintura em revestimento
- Pa2: Pintura em revestimento

**SANITÁRIOS / Sanitary**
- SN1': Porta rolos em porcelana
- SN6: Sistema de latrina tipo "ENVIRO LOO"

**CONCRETE WASHING BASIN**
- Concrete washing basin to detail A

---

**TYPICAL PUBLIC TOILET - FINISHING AND W/D KEY PLAN**

---

**ISSUED FOR CONSTRUCTION**

---

**PROJECT**
- AMA 1

---

**DRAWING DESCRIPTION**
- LATRINAS PÚBLICAS - PLANTA DE ACABAMENTOS E VÃOS
- TIPICAL PUBLIC TOILET - FINISHING AND W/D KEY PLAN

---

**SCALE**
- 1:50

---

**DRAWING NUMBER**
- C00290-00-AR-DKP-0002-001

---

**PROJECT**
- RESETTLEMENT VILLAGE

---

**DRAWING NUMBER**
- EA-MZ-CIO100-WOR-E04-00026-01

---

**PROJECT**
- MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG

---

**DATE**
- NOV 2015
17. REPLACEMENT HOUSE
All dimensions must be verified on site before the works commence. Refer any for the project covered by the appointment. The client may use the designs WorleyParsons RSA retains the copyright in all intellectual property, ON DRAWING EA-MZ-CI0100-WOR-E05-00063-01 REFER TO BENDING SCHEDULE 23 REFER TO FOUNDATION LAYOUT DRAWING REFER TO ARCHITECTS DRAWING REFER TO SURPLUS BED AND RINS DRAWING REFER TO FOUNDATIONS LONG DRAWING EA-MZ-CI0100-WOR-E05-00063-01 EA-MZ-CI0100-WOR-E05-00063-01
SURFACE BED LAYOUT

ISOLATION JOINT (I.J.)

SECTION

KITCHEN
SURFACE BED LAYOUT

SHOWER & WC
SURFACE BED LAYOUT

REFERENCES:
- REFER TO FOUNDATION LAYOUT DRAWING
- REFER TO STRUCTURAL GENERAL NOTES
- REFER TO ARCHITECTS DRAWING
- REFER TO REINFORCEMENT DRAWING
- REFER TO SANITATION DRAWING
- REFER TO ENVIRO LOO DETAILS

NOTES:
- All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
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- Tel: +27 (0)11 218 3000
- Fax: +27 (0)11 218 3100
- www.worleyparsons.com

DATE
- 09/10/15
- 03/12/15
- 17/11/15
- 03/12/15

SIGNATURE
- I ROBINSON
- TS
- TS
- TS
- TS

PROJECT
- REVISIONS
- NOTES
- ISSUED FOR

ORIGINAL DWG SIZE A1

RESETTLEMENT VILLAGE
- RESETTLEMENT

E A-MZ-CI0100-WOR-E05-00003-01

EA-MZ-CI0000-WOR-B18-00001-01

EA-MZ-CI0100-WOR-E05-00001-01

EA-MZ-CI0000-WOR-B05-00001-01

EA-MZ-CI0100-WOR-E05-00002-01

P.O. Box 61232, MARSHALLTOWN, 2107

39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG

03/12/15

09/10/15

03/12/15

03/12/15

03/12/15

DEC 2015

03/12/15

03/12/15

03/12/15

03/12/15

03/12/15

03/12/15
futura ligação. saneamento estará incluído para futura use.

Todas as loiças sanitárias e torneiras não estão incluidas.

All water pipes and sewage system taps will be included for future use.

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.

Toda a tubagem de água e saneamento estava incluída para futura ligação.

Steel diamond mesh gate single leaf to architect specs

Portão metálico com rede de acordo com especificações do arquiteto

Passo em “PolyCem polymer” ou similar, colour to client

Walkway in “PolyCem polymer” ou semelhante, cor a ser decidida pelo cliente.

Steel wire fencing Ø22mm with spacing between Ø75 steel security 1833mm high 7 hole posts (600mm below NGL) to architect specs

Cerca em aço de ø22mm com espaçamento entre postes de aço Ø75 1800mm de altura com 7 buracos (660 milímetros abaixo do solo) de acordo com desenhos do arquiteto e eng.
1. ENVIRLO LOO SUITABLE FOR INDUSTRIAL USE. CAPACITY PER ENVIRO LOO, 20 TO 40 USERS PER DAY.
2. ENVIRLO LOO TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

REFERENCES

ANADARKO DRAWING NO. DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-0048-01 RESIDENTIAL UNITS: WATER AND SANITATION LAYOUT SHEET 1 of 2
EA-MZ-CI0100-WOR-E05-00120-01 RESIDENTIAL UNITS: INTERNAL RETICULATIONS

NOTES

1. ENVIRLO LOO MATERIALS TO BE INSURED FOR BUILDINGS AND CONTENTS FOR BUILDING SPECIFICATIONS AND DETAILS REFER TO ARCHITECTURAL DRAWING NO. EA-MZ-CI0100-WOR-E04-0091-01.
2. ENVIRLO LOO MATERIALS TO BE INSURED FOR BUILDING SPECIFICATIONS AND DETAILS REFER TO ARCHITECTURAL DRAWING NO. EA-MZ-CI0100-WOR-E04-0091-01.

LEGAL DISCLOSURE

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

SCALE 1:25

OUTLET VENTILATION PIPE
INSPECTION COVER
SOAK AWAY

SECTION A

END LINE INSPECTION EYE DETAIL

TYPICAL FLOOR PLAN: ENVIRO LOO

MACTEX W1 OR SIMILAR
GEOTEXTILE MEMBRANE
110mm ND DOUBLE WALL
PERFORATED DRAINAGE PIPE
CLEAN GRAVEL OR BROKEN GRADE 1 STONE
COMPACTED BACKFILL
DEPTH VARIES

110mm ND STOP END ACCESS
110mm ND SOLID WALL SEWER PIPE
110mm ND STOP END ACCESS
110mm ND SOLID WALL SEWER PIPE

MACTEX W1 OR SIMILAR
GEOTEXTILE MEMBRANE

ADJUSTMENTS OF 1/1000 PER HORIZONTAL YARDS

110mm ND SOLID WALL SEWER PIPE CONVEYING GREY WATER TO SOAK AWAY
DISTANCE VARIES

EXTRACTION UNIT
INSPECTION COVER
110 x 50mm ND REDUCING JUNCTION

TOP UNIT

110mm ND SOLID WALL SEWER PIPE CONVEYING GREY WATER TO SOAK AWAY

BOTTOM UNIT

2 x PRECAST CONCRETE LINTELS

FLOOR SLAB

ORIGINAL LAYER

110mm ND INSPECTION COVER

INSPCTION EYE

AIR EXTRACTOR

WALL BRACKET

110mm ND INSPECTION EYE DETAIL

110mm ND INSPECTION EYE DETAIL
**Ironmongery**

**Glazing Notes:**

- **Code:**
  - W2
  - Qty: 1

- **Position:** Bedrooms, Kitchen & Internal Toilet

- **Frame:**
  - Material: Wood frame to manufacturers specs
  - Description: Top hung solid timber window, 2 glass panels on outside & 2 mosquito screen panels on inside with electroplated 10 mm round b/bars
  - Additional: Window to be type ZWTH 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:**
  - Pivot at the top with outward swinging sash and push out lever to manufacturer specs
  - Glass panels with casement fastener (handle & wedge) & sliding stay open all in satin chrome finish
  - Mosquito screen panels with casement fastener (handle & wedge) in satin chrome finish

- **Glazing:**
  - 3mm CLEAR GLASS

**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

---

**A1-C1000-WOR-E05-01614-01**

**CODE & DESCRIPTION:**

- RESETTLEMENT HOUSE - WINDOW & DOOR SCHEDULE 3

**ISSUED FOR CONSTRUCTION:**

- WorleyParsons RSA (Pty) Ltd.

---

**NOTE:**

All dimensions and levels are to be checked/verified on site and any discrepancies are to be reported to the architect.

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

Copyright reserved
- Hollow steel tube 60x60x3mm pale hot dip galvanized finish
- Concrete column finish to match house exterior to eng detail
- Flat steel rod 6mm hot dip galvanized finish
- Galvanized diamond mesh
- Steel plate gate stopper pale hot dip galvanized finish
- Steel hinges hot dip galvanized finish
- Concrete column finish to match house exterior to eng detail
- Hollow steel tube 60x60x3mm pale hot dip galvanized finish
- Galvanized steel wire Ø2mm

**NOTA:**
- TODAS AS DIMENSÕES E PORMENORES PARA CONSULTAR DESENHOS DE ENG.
- ALL DIMENSIONS AND DETAILS REFER TO ENG. DRAWINGS
**ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:**

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

**ARCHITECTURAL**
EA-MZ-C10100-WOR-E04-01604-01
EA-MZ-C10100-WOR-E05-00150-01

**STRUCTURAL**
EA-MZ-C10100-WOR-E05-00058-01

---

**PLANTA Plan**
ESCA/Scale 1:25

- Ø75mm Steel security 1830mm 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

**CORTA A-A Section A-A**
ESCA/Scale 1:25

- Ø75mm Steel security 1830mm 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

---

**NOTE:**
- ALL DIMENSIONS AND DETAILS REFER TO ENG. DRAWINGS
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
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:  D1  Position:  RESIDENTIAL  Qty:  
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 YALE GOWER HANDLE
Glazing:  
Glazing Notes:

Code:  D2  Position:  INTERNAL DOOR  Qty:  
Frame:  WOOD FRAME TO MANUFACTURERS SPECS SEMI SOLID TIMBER DOOR WITH HORIZONTAL GROOVES DOORS TO BE TYPE ZKID - from SWARTLAND OR SIMILAR
Finish:  3 COATS CLEAR VARNISH
Ironmongery:  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
Glazing:  
Glazing Notes:
Concrete slab countertop, 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 countertop, 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

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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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CASA DE REASSENTAMENTO - RESETTLEMENT HOUSE

**Descrição de Desenho**

- **Caverna em blocos (200x400x200mm)** rebocado & pintado, pregado em ripas de madeira 38x38mm @600mm de acordo com desenho de especialista
- **Parede em blocos (200x400x200mm)** rebocado & pintado, pregado em ripas de madeira 38x38mm @600mm de acordo com desenho de especialista
- **Cobertura metalica IBR 0.6mm @23º inclinação**
- **Caleira em PVC de acordo com fabricante**
- **Respirador em betão**
- **Sala**
- **Parede em blocos (200x400x200mm)** rebocado & pintado, pregado em ripas de madeira 38x38mm @600mm de acordo com desenho de especialista
- **Piso interno deve estar 300mm do piso above n.g.l.**
- **Reboco & Pintura (interior & exterior)** de acordo com mapa de acabamentos

**Reação**

- **Reboco & Pintura (interior & exterior)** de acordo com fabricante
- **Cobertura metalica IBR 0.6mm @23º inclinação**
- **Caleira em PVC de acordo com fabricante**
- **Respirador em betão**
- **Sala**
- **Parede em blocos (200x400x200mm)** rebocado & pintado, pregado em ripas de madeira 38x38mm @600mm de acordo com desenho de especialista
- **Piso interno deve estar 300mm do piso above n.g.l.**

**Notas**

- All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
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- Design and/or documents have been paid for constitutes an infringement of copyright, and all rights are reserved.
Cobertura metalica 0.6mm IBR @23º
inclinação sobre ripas 50x76 com isolamento Sisalation 405 de acordo com desenho de eng.

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 desenho 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

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

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

PREPARED FOR CONSTRUCTION
**ESQUEMA DE CONSTRUÇÃO**

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

**DESCRIPÇÃO:**

**CONSTRUTIVO:**

**ARCHITECTURAL**

EA-MZ-CI0100-WOR-E04-01604-01

EA-MZ-CI0100-WOR-E05-01601-01

EA-MZ-CI0100-WOR-E05-01602-01

**STRUCTURAL**

EA-MZ-CI0100-WOR-E04-00001-01

EA-MZ-CI0100-WOR-E04-00002-01

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-E05-00004-01

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

EA-MZ-CI0100-WOR-E05-00009-01

EA-MZ-CI0100-WOR-E05-00010-01

**WATER**

EA-MZ-CI0100-WOR-E02-00001-01

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

EA-MZ-CI0100-WOR-E02-00003-01

EA-MZ-CI0100-WOR-E02-00004-01

EA-MZ-CI0100-WOR-E02-00005-01

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EA-MZ-CI0100-WOR-E02-00009-01

EA-MZ-CI0100-WOR-E02-00010-01

EA-MZ-CI0100-WOR-E02-00011-01

EA-MZ-CI0100-WOR-E02-00012-01

EA-MZ-CI0100-WOR-E02-00013-01

**ELECTRICAL**

EA-MZ-CI0100-WOR-E02-00001-01

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

EA-MZ-CI0100-WOR-E02-00003-01

EA-MZ-CI0100-WOR-E02-00004-01

EA-MZ-CI0100-WOR-E02-00005-01

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EA-MZ-CI0100-WOR-E02-00009-01

EA-MZ-CI0100-WOR-E02-00010-01

EA-MZ-CI0100-WOR-E02-00011-01

EA-MZ-CI0100-WOR-E02-00012-01

EA-MZ-CI0100-WOR-E02-00013-01

**SCALE**

1:50

**DATE**

NOV 2015

**DRAWING DESCRIPTION**

CASA DE REASSENTAMENTO - ALCADOS FRONTAL E POSTERIORES

RESETTLEMENT HOUSE - FRONT & BACK ELEVATIONS

**SCALE**

1:50

**DATE**

NOV 2015

**DRAWING NUMBER:**

EA-MZ-CI0100-WOR-E05-01603-01

**REVISIONS**

A3@ 1:50

**PROJECT**

AMA 1

RESETTLEMENT VILLAGE

**CLIENT**

Anadarko

**DRAWER**

WorleyParsons

**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

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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.
Metal roof sheeting 0.6mm IBR @23° pitch on 50x76 graded SA pine battens 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.

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

Calha em PVC de acordo com especificações do fabricante.
**INTERNAL SCHEDULE**

<table>
<thead>
<tr>
<th>FLOOR</th>
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<th>2</th>
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<td>B</td>
<td>FOR PAINT DETAILS REFER TO MANUFACTURER’S DOCUMENT ATTACHED EA-MZ-C1000-WOR-E04-00031-01</td>
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<td>FOR PAINT DETAILS REFER TO MANUFACTURER’S DOCUMENT ATTACHED EA-MZ-C1000-WOR-E04-00031-01</td>
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**EXTERNAL SCHEDULE**

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<th>FLOOR</th>
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<td>W</td>
<td>FOR PAINT DETAILS REFER TO MANUFACTURER’S DOCUMENT ATTACHED EA-MZ-C1000-WOR-E04-00031-01</td>
</tr>
</tbody>
</table>

**SPECSIFICATIONS:**

**EXTERNAL WALLING**

EXTERNAL WALL TO BE 200x400x200mm HOLLOW CONCRETE BLOCKS NOMINAL COMPRRESSIVE STRENGTH MINIMUM OF 2.5 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 BRICKFACADE 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 BRICKFACADE EVERY COURSE TO DOOR/ROOF/HEAD HEIGHT. THEREAFTER EVERY COURSE TO WALLPLATE HEIGHT.

INTERNAL SILLS: PLASTERED AS PER WALL EXTERNAL SILLS: REFER TO ARCH. DRAWING EA-MZ-C10100-WOR-E05-00160-00 WALL FINISH TO BE PLASTER & PAINT APPLIED STRICTLY TO MANUFACTURER’S SPECIFICATION.

**INTERNAL DIVISIONS**

INTERNAL WALL TO BE 100x400x200mm HOLLOW CONCRETE BLOCKS NOMINAL COMPRRESSIVE STRENGTH MINIMUM OF 2.5 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.

BRICKFACADE AS PER PREVIOUS.

ALL DOORS TO HAVE RUBBER DOORSTOPS WALL FINISH TO BE PLASTER & PAINT APPLIED STRICTLY TO MANUFACTURER’S SPECIFICATION.

**PLASTER SPECS**

PLASTER:

ALL PLASTERED WALLS, CEILING AND SIMILAR SURFACES BEING PAINTED OR DISTEMPERED SHALL BE FILLED WHERE NECESSARY WITH SUITABLE STOPPING OR PATCHING.

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 WALLS DUSTED DONE.

AND ALL SURFACES NOT BEING PAINTED IS TO BE COVERED UP AND PROTECTED.

FOR PAINT DETAILS REFER TO MANUFACTURER’S DOCUMENT ATTACHED -EA-MZ-C1000-WOR-E04-00031-01

**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.

---

*Note: Detailed specifications and requirements are provided, including specifications for walls, ceilings, and floors, with references to external and internal schedule details.*

---

*Copyright reserved.*
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.

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

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

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 Calêria em PVC de acordo com especificações do fabricante

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

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

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

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

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

Casa de Reassentamento TIPO B (2 Águas) - Alcados Laterais

ISSUED FOR CONSTRUCTION

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

Drawn by: WorleyParsons RSA

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

Cobertura metálica 0,6mm IBR @23° 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 work plastered & painted (interior & exterior) refer to finishing schedule.

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

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

Cobertura metálica 0,6mm IBR @23° 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 work plastered & painted (interior & exterior) refer to finishing schedule.

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

Solid treated timber door, refer to schedule.

Porta em madeira, ver mapa de vãos.

---

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

**Cobertura metálica 0,6mm IBR @23° 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 work plastered & painted (interior & exterior) refer to finishing schedule.**

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

---

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

**Cobertura metálica 0,6mm IBR @23° 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 work plastered & painted (interior & exterior) refer to finishing schedule.**

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

---

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

**Cobertura metálica 0,6mm IBR @23° 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 work plastered & painted (interior & exterior) refer to finishing schedule.**

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

---

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

**Cobertura metálica 0,6mm IBR @23° 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 work plastered & painted (interior & exterior) refer to finishing schedule.**

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

---

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

**Cobertura metálica 0,6mm IBR @23° 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 work plastered & painted (interior & exterior) refer to finishing schedule.**

**Paredes em blocos rebocado & pintura (interior & exterior) de acordo com mapa de acabamentos.**
Metal roof sheeting 0.6mm IBR @23° pitch on 50x76 graded SA pine battens 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 projeto do engenheiro.

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

Calêria em PVC de acordo com especificações do fabricante.
## 18. REPLACEMENT VILLAGE
NOTES

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

REVISIONS

DONE

Details

04/12/15 TM SB Issued for Construction
E 17/11/15 TM CB Issued for Client Approval
D 23/10/15 TM CB Issued for Client Review
C 21/10/15 TM SB Issued for Squad Check
B 16/10/15 TM CB Issued for Detailed Design
A 16/10/15 TM CB Issued for Peer Review

LIST OF MATERIALS

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<tr>
<td>1</td>
<td>LUMINAIRE-WITH SPIGGOT &amp; GLAND (SEE NOTE 1)</td>
</tr>
<tr>
<td>2</td>
<td>CABLE GLAND AND SHROUD</td>
</tr>
<tr>
<td>3</td>
<td>FLAT PLATE (GALVANISED)</td>
</tr>
<tr>
<td>4</td>
<td>HEX FULL BOLT (STAINLESS STEEL)</td>
</tr>
<tr>
<td>5</td>
<td>LOCK WASHER (STAINLESS STEEL)</td>
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<tr>
<td>6</td>
<td>HEX FULL NUT (STAINLESS STEEL)</td>
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<tr>
<td>7</td>
<td>FLAT BAR  (GALVANISED)</td>
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<tr>
<td>8</td>
<td>CABLE PVC/SWA/PVC3cx2.5mm4m</td>
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<td>9</td>
<td>TERMINAL STRIP</td>
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<td>10</td>
<td>M10x70mm EARTH LUG</td>
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<td>11</td>
<td>TERMINAL MSK (SEE NOTE 5)</td>
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<td>12</td>
<td>GABLE GLAND AND SHROUD (SEE NOTE 7)</td>
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<td>CABLE</td>
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<td>MOUNTING PLATESUPPLIED WITH POLE</td>
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<td>LIGHTING POLE (SEE NOTE 1)</td>
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<td>17</td>
<td>GABLE GLAND AND SHROUD (SEE NOTE 7)</td>
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PROJECT

AMA1 RESETTLEMENT VILLAGE

SCALE DATE

As indicated DECEMBER 2015

ORIGINAL DWG SIZE A1

DRAWING NUMBER REV NO

C00290-00-EL-DES-0001-002 0

ANADARKO DRAWING NUMBER

EA-MZ-C0000-WOR-E02-00027-02
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<td>1 HOLE CLAMP FOR 25mm CONDUIT</td>
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<td>CU EARTH CABLE, GR INSULATED/KWENA</td>
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<td>610</td>
<td>AS REQ</td>
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<tr>
<td>CABLE LUG FOR 70mm² CABLE, M10 HOLE</td>
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<td>1 P/ITEM 5</td>
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<tr>
<td>EARTHING BUSBAR AT STEEL COLUMN</td>
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<td>EARTHING BUSBAR AT CONCRETE COLUMN</td>
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<tr>
<td>COPPER EARTH BAR (SEE NOTE 2)</td>
<td>50 x 6 x 300mm</td>
<td>8</td>
<td>2&quot; x 40mm LONG</td>
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<tr>
<td>BOLT HEX HEAD WITH NUT (C.P. STEEL)</td>
<td>M10 x 90 mm long</td>
<td>1</td>
<td>FLAT WASHER (NICKEL PLATED BRASS TO BS EN 2874)</td>
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<td>SERRATED LOCK WASHER, BRONZE</td>
<td>1 P/ITEM 9</td>
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<tr>
<td>BOLT, HEX HEAD (C.P. STEEL)</td>
<td>M10 x 80 mm long</td>
<td>2</td>
<td>FLAT BAR (GALVANISED) (SEE NOTE 3)</td>
</tr>
<tr>
<td>RAWL BOLT (EXPANDER PLUG)</td>
<td></td>
<td></td>
<td>EARTH CONDUCTOR (GREEN/YELLOW) (SEE NOTE 2)</td>
</tr>
</tbody>
</table>

NOTES:
1. ALL DIMENSIONS IN MILLIMETERS, UNLESS OTHERWISE STATED.
2. FOR EARTH CONDUCTOR LENGTH SEE LAYOUT DRAWINGS.
3. EARTH TAG TO PROTRUDE THROUGH FIREPROOFING SO AS TO GIVE CLEAR ACCESS TO EARTH CONNECTION BOLT.
4. AFTER INSTALLATION, BACKFILL WITH SAND UP TO BOTTOM OF STAINLESS STEEL EARTH ROD WITH STEEL DRIVING TIP.
5. IN PROCESS UNIT AREAS WHERE POWER CABLES ARE VISIBLE TO THE EYE FOR CABLE THEFT PREVENTION.

DRAWING NUMBER

1 : 200

WorleyParsons RSA (Pty) Ltd.

Johannesburg

C00290-00-EL-DES-0001-001

Resettlement Village Typical Drawings

Revisions

December 2015

Resettlement Village Typical Earthing Details

Detail - Typical Earth Bar Steel/Concrete Column Installation Details

Detail - Typical Earth Well & Electrode Installation Details

Detail - Typical Rebar and Sheet Metal Earthing Details

Detail - Typical Steel Column Earthing Installation Details

Detail - Typical Steel Fence Post Earthing Installation Details
## ANADARKO DRAWING NUMBER

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## NOTES

**Future Expansion**

**Stand No:**

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DECEMBER 2015

NOTES

REFERENCE DRAWINGS
BITR SITE PLAN LAYOUT
C0002-00-TPI-DAN-2015-001

ISSUED FOR CONSTRUCTION

REVISIONS

MANUFACTURERS AND SUPPLIERS

MANAGER:

ENG:

DRAWN BY:

DATE

SIGNATURE

www.worleyparsons.com

P.O. Box 61232, MARSHALLTOWN, 2107
39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG

REFERENCE DRAWINGS:

STAND NO:

DISCREPANCIES TO THE ENGINEER.

and/or documents for the sole purpose of their intended use on this project
### RESETTLEMENT VILLAGE

**SITE SETTING OUT CO-ORDINATE**

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**NOTES**

All dimensions must be verified on site before the works commence. Refer any constitutes an infringement of copyright, and all rights are reserved.
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19. **ROADS**
ROAD A1: km 1.000 - km 0.500

SCALE 1:1000

ROAD A1: km 0.500 - km 1.000

SCALE 1:1000

ROAD A1

ORIGINAL DWG SIZE A1

DRAWING NUMBER

SCALE DATE

ANADARKO DRAWING NUMBER

EA-MZ-CI0000-WOR-E05-00015-01

C00290-00-CI-DAL-0001-001

DECEMBER 2015 AS SHOWN

LAYOUT PLAN AND LONGITUDINAL SECTION:
ROAD A1 - SHEET 1 OF 2

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.

CLIENT: ANADARKO
PR ENG: R. van SCHALKWYK
DESIGNER: D. du TOIT
CHECKED: D. du TOIT Pr. No. 201170110
DRAWN BY: L. PADAYACHEE

NAME SIGNATURE DATE

LOCAL PR ENG: D. du TOIT
PROJECT ENG MANAGER:

04/08/15 ISSUED FOR INTERNAL REVIEW A D. d T. A.U.
09/09/15 ISSUED FOR DETAIL DESIGN B 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 F D. d T. A.U. ISSUED FOR CONSTRUCTION

CONSTRUCTION ISSUED FOR

PROJECT

AMAZON

LEGEND

POLYCEM SIDE DRAIN

REFERENCE DWG's No:
1. EA-MZ-CI000-WOR-E05-00015-21
2. EA-MZ-CI000-WOR-E05-00018-08

REFERENCE DWG No:

DESIGN SPEED: 60km/h

ABLES.readFile("somepath\somefile.pdf")

ABLES.read("somepath\somefile.pdf")
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>% Comp.</th>
<th>MAX</th>
<th>MIN</th>
<th>GM</th>
<th>U.C.S.</th>
<th>CBR</th>
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<td>2</td>
<td>BOX CUT 900mm - 500mm</td>
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<td>20%</td>
<td>9%</td>
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<td>5</td>
<td>FILL</td>
<td>65%</td>
<td>15%</td>
<td>3%</td>
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<td>CUT TO FILL</td>
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<td>8</td>
<td>NATURAL SELECTED MATERIAL</td>
<td>85%</td>
<td>12%</td>
<td>9%</td>
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<td>9</td>
<td>POLYCEM (INSITU MATERIAL, 20% FLYASH)</td>
<td>40%</td>
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</tr>
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NOTE:
1. PLASTIC 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

RESIDENTIAL AREA VARIES

SLOPE VARIES

SCALE 1:50
CROSS SECTION MAIN ACCESS ROAD AND BYPASS ROAD:

CROSS SECTION VILLAGE ROADS: ROAD B1 AND B3

CROSS SECTION VILLAGE ROADS: ROAD B6, B7, PARTS OF B1, B3, C10 (SEE KEYPLAN)
CAST INSITU EDGE BEAM

CAST INSITU TRANSITION SECTION (CLASS 20/19 CONCRETE)

CAST INSITU SLOPING KERB

STANDARD PRECAST SEMI VERTICAL KERB

CAST INSITU TRANSITION SECTION (CLASS 20/19 CONCRETE)

CAST INSITU EDGE BEAM

STANDARD PRECAST
SEMI VERTICAL / BARRIER KERB

TRANSITION FROM SLOPING KERB

TRANSITION FROM SEMI VERTICAL / BARRIER KERB

TO EDGE BEAM

TO EDGE BEAM

Fig 3 and Fig 14 CHANNEL (CAST IN-SITU)

Fig. 8 B MOUNTABLE KERB (CAST IN-SITU)

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. A maximum of 75mm shall be used.
   1.4 The use of a machine to place cast in-situ kerbs must first be approved by the Engineer.

25

R20

FIG. 3

FIG. 14

MORTAR INFILL

300

210

175

FIG. 8 B MOUNTABLE KERB (CAST IN-SITU)

FIG. 3 AND FIG.14 CHANNEL (CAST IN-SITU)

DESIGNER:

CHECKED:

DRAWN BY:

WorleyParsons RSA (Pty) Ltd.

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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PROJECT

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Drawing Description

Scale for Reduced Plan

Notes

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

CONSTRUCTION

ISSUED FOR

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.

01/12/2015

01/12/2015

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01/12/15 0 D. d T. A.U. ISSUED FOR CONSTRUCTION

01/12/2015

Copyright reserved
ROAD SIGN FACE 1.4mm THICK PREPAINTED GALVANIZED STEEL

4.8mm DIA. CADMIUM PLATED MILD STEEL
BLIND RIVETS 8mm LONG AT 150mm (MAX)
CRS. RIVET HEADS ON THE SIGN FACE MUST BE PAINTED TO SUIT THE SIGN COLOUR

PROFIL STIFFENER
"SANKEYSTRUT P4000" Galvanized STEEL

150 x 75mm
41.3 x 20.6 x 1.6mm

1 : 10

GALVANIZED CLAMP AND BOLT
"SANKEYSTRUT UNIVERSAL CLAMP" OR EQUIVALENT

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

TYPICAL FIXING DETAILS FOR ROAD SIGNS

### MINIMUM REGULATORY SIGN SIZES

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<tr>
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<th>70 - 90</th>
<th>90 - 120</th>
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<tr>
<td>CIRCULAR SIGN DIAMETER (mm)</td>
<td>600</td>
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<tr>
<td>MULTIVALUE VARIOUS W x H (mm)</td>
<td>450 x 450</td>
<td>600 x 600</td>
<td>900 x 675</td>
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<tr>
<td>TRIANGULAR SIGN SIDE LENGTH (mm)</td>
<td>1200</td>
<td>1000</td>
<td>900</td>
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### HAZARD MARKER SIGNS

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<td>90 x 675</td>
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<td>TOP RIGHT SIZE (mm)</td>
<td>45 x 450</td>
<td>45 x 450</td>
<td>45 x 450</td>
</tr>
<tr>
<td>BASE LEFT SIZE (mm)</td>
<td>90 x 675</td>
<td>90 x 675</td>
<td>90 x 675</td>
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<tr>
<td>TOP LEFT SIZE (mm)</td>
<td>45 x 450</td>
<td>45 x 450</td>
<td>45 x 450</td>
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NOTES:
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.

**SCALE DATE**

REAR ELEVATION

THREE-TOP STEEL SURFACE PREPARED BEFORE FILL WROUGHT WELDING TIME STAMP, "SANKEYSTRUT P4000" OR EQUIVALENT

DANGER PLATE SIGN
SHARP CURVE CHEVRON

### MOUNTING HOLES FOR HAZARD MARKER SIGNS WITHOUT FRAMEWORK

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<td>600 x 150</td>
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<tr>
<td>SHARP CURVE CHEVRON</td>
<td>(W405 / W406)</td>
<td>900</td>
<td>60</td>
<td>900 x 675</td>
<td>450 x 450</td>
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