VOLUME IV
Construction

Annex I Construction Drawings
FINAL RESETTLEMENT PLAN
ANNEX I: CONSTRUCTION PLANS

MOZAMBIQUE GAS DEVELOPMENT PROJECT

MOZAMBIQUE GAS DEVELOPMENT
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1. ADMINISTRATIVE POST
Acabamentos / Finishing

Painting

Village

Resettlement

20x20cm tiles in benches and concrete shelves

Fabricação de parede

Vila

Vila

Vila

Teto falso em placas de gesso cartonado, resistente a humidade, pintada a tinta esmalte.

Ceiling in moisture resistant gypsum board, PVA Painted

Te3 - Teto falso em placas NUTEC

Ceiling in NUTEC boards

RODAPÉS / Skirtings

Rp2 - Betonilha lisa pintada a tinta esmalte, com h=10cm

Plain granolithic enamel paint, with h=10cm

COBERTURA / Roofs

Co1 - Chapas metálicas esmaltadas com perfil IBR

Metallic enameled sheets with IBR profile

PAREDES / Walls

Pa2 - Pintura com tinta esmalte de cor cor até 1.50m de altura (àmbil) e tinta plástica sobre reboco liso até o teto

Color enamel paint until 1.50m height and plastic paint on plain plaster to ceiling height

Pa4 - Azulejo branco 20x20cm h=2,10m

20x20cm white tiles h=2.10m

COZINHAS / Kitchens

CZ1 - Lava loiça de embutir em aço inox com 1.00x0.457m

Drop-in sink in stainless steel with 1.00x0.457m

SANITÁRIOS / Sanitary

SN1 - Conjunto de sanitário em porcelana, modelo "H441 Branco" da "Construa" ou similar

Toilet in porcelain, model "H441 White" from "Construa" or similar

SN1 - Porta rolôs em porcelana

Toilet rolls holder in porcelain

SN2 - Lavatório em pedestal modelo "C356 Branco" em porcelana da "Construa" ou similar

Handwash basin and pedestal in porcelain in model "C356 White" from "Construa" or similar

SN2 - Tocolheiro méxico metálico cromado

Medium chromated metallic towel rack

SN2 - Espaço com 40x40 cm.

Mirror with 40x40 cm.

DIVERSOS / Other

Dv1 - Azulejo 20x20cm nas bancadas e prateleiras de bolão

20x20cm tiles in benches and concrete shelves

PINTURA / Painting

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

EA-MZ-C10000-WOE-E04-00031-01
ACABAMENTOS / Finishings

PAVIMENTOS / Pavements

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

TECTOS / Ceilings

Te1 - Tecto falso em placas de gesso cartonado pintadas a tinta plástica
Ceiling in gypsum board, PVA painted.

Te3 - Tecto falso em placas NUTEC
Ceiling in NUTEC boards

PAREDES / Walls

Pa1 - Pintura com tinta plástica para exterior de cor, sobre reboco liso
- Colour external PVA paint on plain plaster

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

RODAPES / Skirtings

Rp2 - Betoniha lisa pintada a tinta esmalte, com h=10cm
Plain granolithic enamel paint, with h=10cm

COBERTURA / Roofs

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

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
Chain Link Fence to architect specs.

Vedação em rede metalica de acordo com as especificações do arquiteto.

Steel diamond mesh gate double leaf to architect specs. (refer to door & window schedule)

Portão metalico com rede de acordo com o mapa de vidos.

Steel diamond mesh gate single leaf to architect specs. (refer to door & window schedule)

Portão metalico com rede de acordo com o mapa de vidos.

LEGENDA / LEGEND

01 BLOCO ADMINISTRATIVO 1 - BIBLIOTECA
ADMINISTRATION BLOCK 1 - LIBRARY

02 BLOCO ADMINISTRATIVO 2 - ESCRITÓRIOS
ADMINISTRATION BLOCK 2 - OFFICES

03 LATRINAS
LATRINES
COMMUNITY FACILITIES - ADMINISTRATION CENTRE INTERNAL DRAINAGE CONNECTIONS

**PUBLIC TOILET**

<table>
<thead>
<tr>
<th>No</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>110mm 90° 25% - 87° VENTHORN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>B</td>
<td>50mm VENT COWL</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>110 - 87° PLAN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>110 ND PVC PIPE</td>
<td>m</td>
<td>2m</td>
</tr>
<tr>
<td>E</td>
<td>110mm 90° 25% - 87° VENTHORN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>50mm VENT COWL</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>G</td>
<td>110 - 87° PLAN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>H</td>
<td>110mm - SINGLE 87° PLAN JUNCTION</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>I</td>
<td>110 ND PVC PIPE</td>
<td>m</td>
<td>2m</td>
</tr>
<tr>
<td>J</td>
<td>50mm ND PVC PIPE</td>
<td>m</td>
<td>3m</td>
</tr>
<tr>
<td>K</td>
<td>DRAIN GULLY COMPLETE</td>
<td>No.</td>
<td>1</td>
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<tr>
<td>L</td>
<td>DRAIN GULLY COMPLETE</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>M</td>
<td>DRAIN GULLY COMPLETE</td>
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</table>

**PUBLIC TOILET**

<table>
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<th>No</th>
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<th>QUANTITY</th>
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<td>110mm 90° 25% - 87° VENTHORN BEND</td>
<td>No.</td>
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<td>B</td>
<td>50mm VENT COWL</td>
<td>No.</td>
<td>1</td>
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<tr>
<td>C</td>
<td>110 - 87° PLAN BEND</td>
<td>No.</td>
<td>1</td>
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<tr>
<td>D</td>
<td>110 ND PVC PIPE</td>
<td>m</td>
<td>2m</td>
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<tr>
<td>E</td>
<td>110mm 90° 25% - 87° VENTHORN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>50mm VENT COWL</td>
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<tr>
<td>G</td>
<td>110 - 87° PLAN BEND</td>
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<td>H</td>
<td>110mm - SINGLE 87° PLAN JUNCTION</td>
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<tr>
<td>I</td>
<td>110 ND PVC PIPE</td>
<td>m</td>
<td>2m</td>
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<td>J</td>
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<td>m</td>
<td>3m</td>
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<tr>
<td>K</td>
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<td>L</td>
<td>DRAIN GULLY COMPLETE</td>
<td>No.</td>
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<tr>
<td>M</td>
<td>DRAIN GULLY COMPLETE</td>
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**COMMUNITY FACILITIES - ADMINISTRATION CENTRE WATER SUPPLY**

<table>
<thead>
<tr>
<th>No</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>A</td>
<td>20mm/15mm HDPE / COPPER ADAPTOR</td>
<td>No.</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>50' ELBOW - COPPER</td>
<td>No.</td>
<td>8</td>
</tr>
<tr>
<td>C</td>
<td>TOILETS: STRAIGHT COUPLER - COPPER TO MALE CONNECTION</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>KITCHEN SINK / HAND WASH BASIN / SHOWER: WALL PLATE ELBOW TAP CONNECTOR - COPPER TO FEMALE CONNECTION</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>E</td>
<td>ISOLATING VALVE</td>
<td>No.</td>
<td>8</td>
</tr>
<tr>
<td>F</td>
<td>15mm COPPER PIPE</td>
<td>m</td>
<td>3m</td>
</tr>
<tr>
<td>G</td>
<td>20mm HDPE PIPE</td>
<td>m</td>
<td>10m</td>
</tr>
</tbody>
</table>

**PLAN - ADMINISTRATION CENTRE TOILETS**

**DETAIL 1**

**NOTES**

**REFERENCE DRAWINGS:**
- ADMINISTRATION CENTRE: C00290-00-WW-DRD-0021-001

**ISSUED FOR CONSTRUCTION**

**REVISIONS**

**PROJECT**

**ENG:**
- 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
- www.worleyparsons.com

**WorleyParsons RSA (Pty) Ltd.**

**DATE:**
- NOVEMBER 2015

**SCALE:**
- 1:50

**DESCRIPTION**
- AMA 1
- RESETTLEMENT VILLAGE
- COMMUNITY FACILITIES
- ADMINISTRATION CENTRE TOILETS
- INTERNAL RETICULATIONS

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<table>
<thead>
<tr>
<th>Code:</th>
<th>GATE 2</th>
<th>Position: External</th>
<th>Qty: 1</th>
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<tbody>
<tr>
<td>System:</td>
<td>2 folhas de abrir / 2 openable leafs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Materials:</td>
<td>TUBO DE AÇO DE 40X30MM + REDE TUBARÃO / 40X20 HOLLOW STEEL SECTION + CHAIN LINK FENCING</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VARÃO DE AÇO DE Ø10MM - ARMADAÇÃO DA REDE / Ø10MM SOLID STEEL SECTION</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHAPA DE AÇO DE 1.5MM / 1.5MM STEEL SHEET</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finishing:</td>
<td>ZARÇÃO</td>
<td>TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT</td>
<td></td>
</tr>
<tr>
<td>Ironmongery:</td>
<td>4 PIQUADORES + 2 TRINCO DE CULATRA PARA CADEADO DE 3&quot; EM AÇO / 4 STEEL AXLES + 2 3&quot; STEEL BOLT FOR LOCK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Materials:</td>
<td>CANTONEIRAS DE AÇO DE 35X35MM / 35X35MM &quot;L&quot; STEEL SECTION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixing:</td>
<td>CHUMBAO À PAREDE / PLUGGED TO WALL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ironmongery:</td>
<td>6 DOBRAÇÕES DE 4&quot; EM AÇO / 4&quot; 6 STEEL HINGES</td>
<td></td>
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<tr>
<td>Finishing:</td>
<td>ZARÇÃO</td>
<td>TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT</td>
<td></td>
</tr>
</tbody>
</table>

**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**

**TODAS DIMENSÕES E NÍVEIS DEVEM SER VERIFICADOS NA OBRA E QUALQUER DISCREPÂNCIA DEVE SER COMUNICADA AO ARQUITETO**
GATE & DOOR SCHEDULE/ Mapa de vãos: Portão & Portas

All dimensions and levels are to be checked/verified on site and any discrepancies are to be reported to the architect. Todas dimensões e níveis devem ser verificados na obra e qualquer discrepância deve ser comunicada ao arquitecto.

---

**Code:**

**D4**

**Position:**

Reception, meet. room

Recepção, s. reuniões

**Quantity:**

<table>
<thead>
<tr>
<th>Qty.</th>
<th>B1</th>
<th>B2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
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</tbody>
</table>

**Frame:**

Aro:

WOOD FRAME TO MANUFACTURERS SPECS

SEMI SOLID SLATTED TIMBER DOOR 35mm THICK

DOOR TO BE TYPE ZKYX - from SWARTLAND OR SIMILAR

**Finish:**

Acabamentos:

3 COATS CLEAR VARNISH

**Ironmongery:**

Ferragens:

102 x 76 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:**

Vidros:

---

**Code:**

**GATE 1**

**Position:**

External

**Quantity:**

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Qtd.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
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</table>

**System:**

Sistema:

1 folha de abrir / 1 operable leaf

**Materials:**

Materials:

TUBO DE AÇO DE 40X20MM + REDE TUBARÃO - 40X20 HOLLOW STEEL SECTION + CHAIN LINK FENCING

VARÃO DE AÇO DE Ø16MM - ARMAÇÃO DA REDE - Ø16MM SOLID STEEL SECTION - CHAIN LINK FENCING FRAME

CHAPA DE AÇO DE Ø16MM / 1MM STEEL SHEET

**Finishing:**

Acabamento:

ZARCÃO / ZINC PHOSPHATE PRIMER

TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

**Ironmongery:**

Ferragens:

2 PUXADORES + 1 TRINCHEIRA PARA CADEADO DE 3" EM AÇO + 2 STEEL ANGLES + 1 1/2" STEEL BOLT FOR LOCK

**Materials:**

CANTONEIRAS DE AÇO DE 35X35MM / 35X35MM "L" STEEL SECTION

**Fixing:**

Fixação:

CHUMBADO À PAREDE / PLUGGED TO WALL

**Ironmongery:**

3 DOBRADAS DE 4" EM AÇO / 4" 3 STEEL HINGES

**Finishing:**

Acabamento:

ZARCÃO / ZINC PHOSPHATE PRIMER

TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

---

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---

**Code:**

**D4**

**Position:**

Reception, meet. room

Recepção, s. reuniões

**Quantity:**

<table>
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<tr>
<th>Qty.</th>
<th>B1</th>
<th>B2</th>
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</thead>
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<tr>
<td></td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

**Frame:**

Aro:

WOOD FRAME TO MANUFACTURERS SPECS

SEMI SOLID SLATTED TIMBER DOOR 35mm THICK

DOOR TO BE TYPE ZKYX - from SWARTLAND OR SIMILAR

**Finish:**

Acabamentos:

3 COATS CLEAR VARNISH

**Ironmongery:**

Ferragens:

102 x 76 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:**

Vidros:

---

**Code:**

**GATE 1**

**Position:**

External

**Quantity:**

<table>
<thead>
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<th>Qty.</th>
<th>Qtd.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

**System:**

Sistema:

1 folha de abrir / 1 operable leaf

**Materials:**

Materials:

TUBO DE AÇO DE 40X20MM + REDE TUBARÃO - 40X20 HOLLOW STEEL SECTION + CHAIN LINK FENCING

VARÃO DE AÇO DE Ø16MM - ARMAÇÃO DA REDE - Ø16MM SOLID STEEL SECTION - CHAIN LINK FENCING FRAME

CHAPA DE AÇO DE Ø16MM / 1MM STEEL SHEET

**Finishing:**

Acabamento:

ZARCÃO / ZINC PHOSPHATE PRIMER

TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

**Ironmongery:**

Ferragens:

2 PUXADORES + 1 TRINCHEIRA PARA CADEADO DE 3" EM AÇO + 2 STEEL ANGLES + 1 1/2" STEEL BOLT FOR LOCK

**Materials:**

CANTONEIRAS DE AÇO DE 35X35MM / 35X35MM "L" STEEL SECTION

**Fixing:**

Fixação:

CHUMBADO À PAREDE / PLUGGED TO WALL

**Ironmongery:**

3 DOBRADAS DE 4" EM AÇO / 4" 3 STEEL HINGES

**Finishing:**

Acabamento:

ZARCÃO / ZINC PHOSPHATE PRIMER

TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

---

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

**Ironmongery**

3 COATS CLEAR VARNISH

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 DOOR HANDLE

Glazing

3mm LAMINATED CLEAR GLASS

**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:** D2  
**Position:** Cantina, Adm. Office  
**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 DOOR HANDLE

Glazing:

3mm LAMINATED CLEAR GLASS

---

**Code:** D9  
**Position:** Main entrances Entradas principales  
**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 DOOR HANDLE

Glazing:

3mm LAMINATED CLEAR GLASS
Total Area for sidewalk pavement: approx. 424 m²
PLANTA DE ACABAMENTOS E VÃOS
Finishing, Doors & Windows Key Plan

ACABAMENTOS / Finishes

PAVIMENTOS / Pavements

- Pv1 - Mosaico cermico ou Tijoleira classe IV
- Pv2 - Acabamento do pavimento em cimento queimado

TECTOS / Ceilings

- Te1 - Teto falso em placas de gesso cartonado pintadas a tinta plastica
- Te2 - Teto falso em placas de gesso cartonado, resistentes a umidade
- Te3 - Teto falso em placas NUTEC

RODAPÉS / Skirtings

- Rp2 - Botelinha lisa pintada a tinta esmalte, com h=10cm

PAREDES / Walls

- Pa2 - Pintura com tinta esmalte de cor até 1.50m de altura (lambri) e tinta plastica sobre reboco fio até o teto
- Colour enamel paint until 1.55m height with plastic paint on plaster up to ceiling height

SANITÁRIOS/Sanitary

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

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

- SN3 - Espelho com 40x40 cm
- Medium size mirror with 40x40 cm

- SN4 - Urinol em porcelana, modelo "Lavatera da Vaal" ou similar
- Urinal in porcelain, model "Lavatera da Vaal" or similar

PINTURA / Painting

- For all painting specifications refer to document in annex.

- Para especificações da pintura consultar documento em anexo.

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### Corte A-A
#### Section A-A

<table>
<thead>
<tr>
<th>Nível da Cobertura / Ridge Level</th>
<th>Nível da Viga / Beam Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5.55</td>
<td>+3.00</td>
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</tbody>
</table>

**Nivel da Cobertura / Level:**
- 1200
- 900
- 1200
- 2100

**Nivel da Viga / Beam Level:**
- 0.00
- 0.100

**Pormenor / detail:**
- Desenho / drawing
  - EA-MZ-C10100-WOR-E05-00049-01

---

### Legendas / Key

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

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

3. **Rodapé em betonilha lisa, pintada a tinta esmalte com h=100mm**
   - Painted concrete skirting

4. **Alvenaria em blocos vazados com espessura de 200mm**
   - Walls in hollow block 200mm wide

5. **Parede com reboque liso, pintada a tinta plástica**
   - Wall with plain plaster and PVA painted

6. **Viga de coroamento em betão armado**
   - Concrete ring beam

7. **Blocos ventiladores com rede mosquiteira sintética**
   - Vent blocks with mosquito net

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

9. **Cumeira em chapa esmaltada**
   - Enamelled sheet ridge cap

10. **Tecto falso em placas de gesso cartonado pintado**
   - Ceiling in Gypsum board PVA painted under wooden structure

11. **Lintel em betão armado**
    - Concrete lintel

12. **Laje de pavimento da varanda**
    - Concrete verandah slab
Cobertura em Chapas metálicas esmaltadas com perfil IBR

Metal roof enameled sheeting with IBR profile

All dimensions must be verified on site before the works commence. Refer any other purpose, whether or not the design and/or documents have been paid only subject to payment for the design having been received. Use for any including designs and/or documents prepared in terms of this appointment WorleyParsons RSA retains the copyright in all intellectual property, Copyright reserved

WorleyParsons RSA
P.O. Box 61232, MARSHALLTOWN, 2107
4220 39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG

WorleyParsons RSA (Pty) Ltd.
www.worleyparsons.com
FAX: +27(0)11 218 3100
TEL: +27 (0)11 218 3000

EVERY EFFORT HAS BEEN MADE TO PREPARE THIS DESIGN TO THE SOLE SATISFACTION OF ANADARKO.ревISAÇÕES ISSUED FOR CONSTRUCTION

PLANTA DO PISO
Floor Plan

PLANTA DE COBERTURA
Roof Plan
**Legenda**

1. **Laje de pavimento em betão**
   - Desenho/drawing: 01/10/15
   - Nome do desenhista(s): L. Padayachee

2. **Acabamento do pavimento em cimento queimado**
   - Desenho/drawing: 12/08/15
   - Nome do desenhista(s): M. Cooper

3. **Rodapé em betonilha lisa, pintada a tinta esmalte com h=100mm**
   - Desenho/drawing: 12/08/15
   - Nome do desenhista(s): M. Cooper

4. **Alvenaria em blocos vazados com espessura de 200mm**
   - Desenho/drawing: 12/08/15
   - Nome do desenhista(s): M. Cooper

5. **Parede com reboco liso, pintada a tinta plástica**
   - Desenho/drawing: 12/08/15
   - Nome do desenhista(s): M. Cooper

6. **Viga de coroamento em betão armado**
   - Desenho/drawing: 12/08/15
   - Nome do desenhista(s): M. Cooper

7. **Blocos ventiladores com rede mosquiteira sintética**
   - Desenho/drawing: 12/08/15
   - Nome do desenhista(s): M. Cooper

8. **Cobertura em chapas metálicas esmaltadas com perfil IBR**
   - Desenho/drawing: 12/08/15
   - Nome do desenhista(s): M. Cooper

9. **Cumeeira em chapa esmaltada**
   - Desenho/drawing: 12/08/15
   - Nome do desenhista(s): M. Cooper

10. **Tecto falso em placas de gesso cartonado pintado a tinta plástica sob estrutura de madeira**
    - Desenho/drawing: 12/08/15
    - Nome do desenhista(s): M. Cooper

11. **Lintel em betão armado**
    - Desenho/drawing: 12/08/15
    - Nome do desenhista(s): M. Cooper

12. **Laje de pavimento da varanda**
    - Desenho/drawing: 12/08/15
    - Nome do desenhista(s): M. Cooper

For roof details refer to:
PDQXIDFWXUHUVGUDZLQJV
Para pormenor da cobertura consultar:
desenhos do especialista
2. ADMINISTRATIVE POST STAFF HOUSING
PLANTA DE COBERTURA

Roof Plan

Cobertura com Chapas metálicas esmaltadas com perfil IBER
Metal roof an enameled sheeting with IBER profile
ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-CIO100-WOR-E05-00575-01
EA-MZ-CIO100-WOR-E04-00021-01
EA-MZ-CIO100-WOR-E05-00048-01
EA-MZ-CIO100-WOR-E05-00048-02
EA-MZ-CIO100-WOR-E05-00048-03
EA-MZ-CIO100-WOR-E05-00050-00

STRUCTURAL
EA-MZ-CIO100-WOR-E04-00011-01
EA-MZ-CIO100-WOR-E05-00014-00

WATER
EA-MZ-CIO100-WOR-E05-00496-01
EA-MZ-CIO100-WOR-E05-00496-02
EA-MZ-CIO100-WOR-E05-00122-01

ELECTRICAL
EA-MZ-CIO100-WOR-E02-00100-01

Steel site fencing: 0.22m with spacing between 0.275 steel security 1.80m High 7 lock posts (600mm above NGL) for architects specs.

Este en elante de acero Ø0.22m con espaciado entre postes de acero Ø0.275 1.80m de altura con 7 bueces (600 milímetros alzado del suelo) de acuerdo al arquitecto e eng.
TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

REMOTE DRINKING WATER SUPPLY

50mm VENT COWL

20mm HDPE ADJUSTABLE ELBOW

110mm PVC / HDPE ADJUSTABLE ELBOW

50mm COPPER ADJUSTABLE ELBOW

15mm COPPER ADJUSTABLE ELBOW

300mm ISOLATING VALVE

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

CONCRETE CEMENTED BLOCK WALL

CONCRETE BLOCK WALL

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

CONCRETE HOLLOW BLOCK WALL

150mm HD PVC PIPE

SLOPE = 1:60

110mm HDPE PIPE

50mm PVC PIPE

15mm COPPER PIPE

50mm COPPER PIPE

20mm HDPE PIPE

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

PLAN - STAFF HOUSES LOCAL ADMIN

COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

ADMIN BUILDING

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>1</td>
<td>20mm/15mm HDPE / COPPER ADAPTOR</td>
<td>No.2</td>
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<tr>
<td>2</td>
<td>90° ELBOW - COPPER</td>
<td>No.12</td>
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<tr>
<td>3</td>
<td>TOILETS: STRAIGHT COUPLER, COPPER TO MALE CONN.</td>
<td>No.2</td>
<td></td>
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<tr>
<td>4</td>
<td>KITCHEN SINK / HAND WASH BASIN / SHOWER: WALL PLATE ELBOW TAP CONNECTOR, COPPER TO FEMALE CONNECTION</td>
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COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

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<td></td>
</tr>
</tbody>
</table>
GATE SCHEDULE/ Mapa de vãos: Portão

ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED/CONFIRMED ON SITE AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.
TODAS DIMENSOES E NIVEIS DEVEM SER VERIFICADAS NA OBRA E QUALQUER DISCREPANCIA DEVERA SER COMUNICADA AO ARQUITETO.

NOTES:
1. ALL DOORS WILL BE OF 1.80M TALL OR EQUIVALENT, WOOD QUALITY & APPROVED BY CLIENT.
2. ALL OF THE CASMENT WINDOWS WILL ALSO TAKE ONE MORE CASMENT LEAF INSIDE IN MOSQUITO NET.
3. ALL OPENINGS 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 1  Position: External  Qty: 1

System:
Sistema: 1 folha de aço / 1 placa de aço

Materials:

Finishing:
Acabamento: ZARCA / ZINC PHOSPHATE PRIMER / TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT.

Ironmongery:
Ferragens: 2 PLACAS DE BASE + 1 TRINCO DE CULATRA PARA CADEADO DE 9" EM AÇO / 2 STEEL KNOBS + 1" STEEL BOLT FOR LOCK.

Materials:
Material: CANTONERAS DE AÇO DE 35X3MM / 35X3MM "T" STEEL SECTION.

Fixing:
Fixação: CHUVADORES À PAREDE / PLUGGED TO WALL.

Ironmongery:
Ferragens: 3 BARRAS DE 4" EM AÇO / 4" 3 STEEL HANGERS.

Finishing:
Acabamento: ZARCA / ZINC PHOSPHATE PRIMER / TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT.
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.

TODAS DIMENSÕES E NÍVEIS DEVEM SER VERIFICADOS NA OBRA E QUALQUER DISCREPÂNCIA DEVERÁ SER COMUNICADA AO ARQUITETO.

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1. ALL DOORS WILL BE OF URBANA 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.

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<tbody>
<tr>
<td>Frame: Ano:</td>
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<td>WOOD FRAME TO MANUFACTURERS SPECS</td>
<td>SEMI SOLID SLATTED TIMBER DOOR</td>
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<td>Frame: Ano:</td>
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<td>WOOD FRAME TO MANUFACTURERS SPECS</td>
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<tr>
<td>Finish: Acabamentos:</td>
<td>1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS &amp; TRIMS COLOUR &quot;LIGHT BROWN&quot; OR EQUAL &amp; APPROVED</td>
<td>102 x 76 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR</td>
<td>Look (2 LEATHERS) WITH HANDLES POLISHED CHROME FINISH SIMILAR TO YALE GOWER HANDLE</td>
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<td>Ironmongery: Ferragens:</td>
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# REVIEWS

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ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

ARCHITECTURAL
EA-MZ-C10100-WOR-E05-00008-01
EA-MZ-C10100-WOR-E04-00008-02
EA-MZ-C10100-WOR-E05-00008-03

GLZ/DOOR SCHEDULE KEY PLAN
EA-MZ-CQ0100-WOR-E05-00008-04
TYPICAL HOOP IRON JOINT

100mm THICK SURFACE BED
(300mm deep) reinforced with MESH Ref. 208

500mm MORTON DPM ON APPROVED SAND MATERIAL

TYPICAL SAW-CUT JOINT (SC)

3x4mm WEEK x 4x500mm DEEP
MESH REF. 205
AL CENTER 150mm GLOB

250mm MORTON DPM ON APPROVED SAND MATERIAL

TYPICAL CONSTRUCTION JOINT (C.J.)

15mm ISOLATION JOINT
JOINTEB AT 300mm OR SIMILAR APPROVED

300mm MORTON DPM ON APPROVED SAND MATERIAL

TYPICAL BEAM/WALL CONNECTION

2000mm MORTON DPM ON APPROVED SAND MATERIAL

15mm TAPERED CLIPS
2x75mm GALVANIZED BRACKETS WITH MESH REF. 208

RINGS BEARING WALLS

TYPICAL ISOLATION JOINT (I.J.)

100mm ISOLATION JOINT
FILLED WITH JOINTEX 10mm WIDE

250mm MORTON DPM ON APPROVED SAND MATERIAL

TYPICAL RING BEAM

700x300mm COL, 1000x1000x300mm BASE

NOTES

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Este desenho é para ser lido em conjunto com:

This drawings is to be read in conjuction with:

**ARCHITECTURAL**
EA-MZ-C10100-WOR-E05-00575-01
EA-MZ-C10100-WOR-E04-00021-01
EA-MZ-C10100-WOR-E05-00048-01
EA-MZ-C10100-WOR-E05-00048-02
EA-MZ-C10100-WOR-E05-00048-03
EA-MZ-C10100-WOR-E05-00050-00

**STRUCTURAL**
EA-MZ-C10100-WOR-E04-00011-01
EA-MZ-C10100-WOR-E05-00014-00

**WATER**
EA-MZ-C10100-WOR-E05-00496-01
EA-MZ-C10100-WOR-E05-00496-02
EA-MZ-C10100-WOR-E05-00122-01

**ELECTRICAL**
EA-MZ-C10100-WOR-E02-00100-01

**MATERIALITIES**

**CONSTRUCTION**

**NOTES**
3. BUS STATION
NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

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COMMUNITY FACILITIES - ADMIN. BUILDING

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COMMUNITY FACILITIES - ADMIN. CENTRE

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COMMUNITY FACILITIES - ADMIN. CENTRE INTERNAL DRAINAGE CONNECTIONS

<table>
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<tbody>
<tr>
<td>110mm ND PVC PIPE</td>
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</tr>
<tr>
<td>50mm VENT COWL</td>
<td></td>
</tr>
<tr>
<td>40mm ND HDPE PIPE</td>
<td></td>
</tr>
<tr>
<td>DRAIN GULLEY COMPLETE</td>
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COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

<table>
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REFERENCE DRAWINGS:

BUS STOP
C02093-00-PLDRD-0033-00102

LEGEND:

- 110mm ND PVC PIPE
- 20mm ND HDPE PIPE
- 50mm ND PVC PIPE
- 15mm ND COPPER PIPE
- 50mm VENT COWL

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AMA 1
RESETTLEMENT VILLAGE
COMMUNITY FACILITIES
BUS STOP TOILETS
INTERNAL RETICULATIONS

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
www.worleyparsons.com
Legenda Key

1. Laje de pavimento em betão
   Concrete slab
2. Acabamento do pavimento em cimento queimado
   Concrete floor to have power float finish
3. Base do pilar em betão, pintado a tinta plástica
   Concrete column base, painted with washable PVA paint
4. Banco em betão em cimento queimado
   Concrete Bench with stained top
5. Cobertura em chapas metálicas esmaltadas com perfil IBR
   Enamelled metallic roof sheeting with IBR profile

Para pormenor da cobertura consultar desenhos do especialista
For roof details refer to specialist drawings
1900x1750x3200mm BASE
TYPICAL REINFORCEMENT
SCALE 1:10
4. CEMETERY
Pormenor do Muro de Vedação

1. WALL FENCE DETAIL

Passage em "PolyCom polymer" ou semelhante, que não passará pelos cortiços.

Walkway in "PolyCom polymer" or similar, colour to client.

Edifício multifuncional - Administração do Caminho.

Multipurpose building - Cemetery Admin.

Portões metálicos com rede de acordo com o mapa da vila.

Steel diamond mesh gates to architectural spaces (refer to door & window schedule).

2. PLANTA DE IMPLANTAÇÃO DO CEMITÉRIO

CEMETERY SITE PLAN
5. CLINIC
1. SOAK AWAYS

1.1 CONSTRUCTION OF SOAK AWAYS:

1.1.1 Use perforated drainage pipes with the outlets at the bottom, lay in trenches of a uniform gradient not shallower than 1:10. Perforated typlite type pipe is not allowed.

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

1.1.3 soak away trenches should be filled to 50mm above the pipe and covered with a layer of geotextile membrane to prevent entry of fines.

1.1.4 The remainder of the soak away trench can be filled with broken grade 1 stone (20mm - 50mm).

1.1.5 Soak away trenches should be located at least 50m from the water source, such as a borehole or spring, where location cannot be controlled, soak away trenches should, where possible, be located down hill of such water source.

1.1.6 Soak away trenches shall be located away from areas with fissured rock, limestone or very coarse sand.

1.1.7 Length of soak away determined in accordance with SANS 10400-P: 2010.

1.1.8 Soak away trenches should be constructed of reinforced concrete, with waterproof mortar.

1.1.9 All floor and cover slabs to be reinforced with mesh ref. 888, placed in ground that has a percolation rate that exceeds 30m/24hr.

1.1.10 The susceptibility of a water source to pollution disregards barrier acts distance from a soak away. Because an effluent is a source of water which is used or is likely to be used, for drinking, domestic use or kitchen purposes, it is to be protected that the pollution discharges or liquid waste is not adversely affected by its discharge.

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

1.1.12 Soak away shall be constructed as recommended.

1.1.13 No soak away shall be constructed:

a) where the site is not drained.

b) where a percolation rate that exceeds 30m/24hr.

2. STRUCTURAL

2.1 All septic tank excavation events to be compacted to 110mm depth.

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

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

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

REFERENCES

Table: Details of Septic Tank Installation

END LINE INSPECTION DETAIL

DETAIL A

TYPICAL SIDE SECTION DETAIL (SCHEMATIC)
1. ENVIRO LOO SUITABLE FOR INDUSTRIAL USE
   CAPACITY PER ENVIRO LOO, 20 TO 40 USERS
   PER DAY.

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

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

REFERENCES

SANITATION LAYOUT SHEET 1 OF 3
SA-MZ-CI0100-WOR-E05-00497-01

TANK INSTALLATION SHEET 3 OF 3
SA-MZ-CI0100-WOR-E05-00118-01

EXPECTING MOTHER'S HOUSE: TOILETS: INTERNAL RETICULATIONS

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

1.1 CONSTRUCTION OF SOAK AWAYS:

1.1.1 All perforated drainage pipes, with the outlets at the bottom, lay in trenches of a uniform gradient not steeper than 1:200. Perforated flexicore type pipe is not allowed.

1.1.2 The lengths of a single trench shall not exceed 30m. The distance between connectors shall not exceed 10m.

1.1.3 The invert of the soakaway trench must comply with AASHTO (Minimum), all septic tank excavations inverts to be compacted to 93% MOD.

1.1.4 A soakaway trench shall:
   a) Be constructed in a layout that will cause the soakaway trench depth to be at least 1m below the level of the soil to be protected.
   b) Be designed and constructed so as to prevent the ground water level from rising above the bottom of the soakaway.
   c) Not be adversely affected by any root growth.
   d) Be constructed to prevent entry of fines.

1.1.5 No soakaway shall be constructed:
   a) Where there is a precipitation rate that exceeds 30 litres per square meter per hour.
   b) Where influent might flow out due to the contours of, or the structure forming, the trench.
   c) Where the site to be protected by such a feature is of insufficient size to accommodate the drainage area of the soakaway.
   d) Where the level of the outlet is, or might be, such as to prevent adequate percolation.

2. STRUCTURAL

2.1 All septic tank excavation invert to be compacted to 95% MOD (aggregate grading).

2.2 All floor and cover slabs to be reinforced with mesh ref. 610 mm spaced in center of slab.

2.3 Concrete strength requirements at 28 days: 20 MN

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

REFERENCES

AMZ 001

A-Z 001 002

TOOL FACTORY, CLINIC WATER AND SEWER LAYOUT SHEET 1 OF 2

COMMUNITY FACILITIES: CLINIC WATER AND SEWER LAYOUT SHEET 1 OF 2

COMMUNITY FACILITIES: CLINIC WATER AND SEWER LAYOUT SHEET 2 OF 2

NOTES

1.1.9 All soaks should be individually identified by written cover plate bearing the name of the site.

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A-Z 001 002

TOOL FACTORY, CLINIC WATER AND SEWER LAYOUT SHEET 1 OF 2

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COMMUNITY FACILITIES: CLINIC WATER AND SEWER LAYOUT SHEET 2 OF 2

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

1. **SCALE FOR REDUCED PLAN**
2. **SCALE**
3. **DATE**
4. **ANADARKO DRAWING NUMBER**
5. **CHECKED**
6. **DATE**
7. **PROJECT**
8. **REVISIONS**
9. **CLIENT:**
10. **DRAWN BY:**
11. **SIGNATURE**
12. **DATE**
13. **LOCAL PR ENG:**
14. **PR ENG:**
15. **DESIGNER:**
16. **CHECKED:**
17. **DRAWN BY:**
18. **NAME**
19. **SIGNATURE**
20. **DATE**

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**REFERENCES**

**ANADARKO DRAWING NO.**

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<tr>
<td>COMMUNITY FACILITIES: CLINIC WATER AND SANITATION LAYOUT SHEET 2 of 3</td>
<td>EA-MZ-CI0100-WOR-E05-00195-02</td>
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<tr>
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<td>EA-MZ-CI0100-WOR-E05-00195-03</td>
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</table>

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**DESIGN**

1. **TYPICAL FLOOR PLAN: ENVIRO LOO (SCHEMATIC)**

- **SCALE:** 1:25

---

**DETAILS**

- **OUTLET VENTILATION PIPE**
- **AIR EXTRACTOR**
- **WALL BRACKET**
- **FLOOR SLAB**
- **INSPECTION COVER**

---

**INSTRUCTIONS**

1. **ENVIRO LOO SUITABLE FOR INDUSTRIAL USE**
2. **ENVIRO LOO TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER’S SPECIFICATIONS.**

---

**REFERENCES**

- **ANADARKO DRAWING NO.**
  - EA-MZ-CI0100-WOR-E05-00195-01
  - EA-MZ-CI0100-WOR-E05-00195-02
  - EA-MZ-CI0100-WOR-E05-00195-03

---

**PROJECT**

- **AMAZON**
- **RESIDENTIAL VILLAGE**
  - **COMMUNITY FACILITIES: CLINIC**
  - **DETAILS OF TOILET FACILITIES**
  - **SHEET 2 of 3**

---

**AS SHOWN**

- **DECEMBER 2015**
- **ISSUED FOR CONSTRUCTION**
- **FINISHED DETAILS**
- **MODIFIED**
- **DRAWN BY:**
- **SIGNATURE**
- **DATE**

---

**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
WWW.WORLEYPARSONS.COM

---

**REFERENCES**

- **ANADARKO DRAWING NO.**
- **DRAWING DESCRIPTION**
- **COMMUNITY FACILITIES: CLINIC: WATER AND SANITATION LAYOUT SHEET 1 of 3**
- **COMMUNITY FACILITIES: CLINIC: WATER AND SANITATION LAYOUT SHEET 2 of 3**
- **COMMUNITY FACILITIES: CLINIC: WATER AND SANITATION LAYOUT SHEET 3 of 3**
- **COMMUNITY FACILITIES: CLINIC INTERNAL RETICULATIONS**

---

**REFERENCES**

- **ANADARKO DRAWING NO.**
  - EA-MZ-CI0100-WOR-E05-00109-01
  - EA-MZ-CI0100-WOR-E05-00195-01
  - EA-MZ-CI0100-WOR-E05-00195-03

---

**NOTES**

- ** FOUNDATIONS AS PER STRUCTURAL ENGINEER’S DRAWING NO. WA-MZ-CI0100-WOR-E05-00016-01**
- **110mm ND INTERCONNECTOR BETWEEN MULTIPLE TANKS**
- **110 x 50mm ND REDUCING JUNCTION**
- **110mm ND SQUARE JUNCTION**
- **110mm ND SOLID WALL SEWER PIPE**
- **110mm ND INSPECTION EYE**

---

**REFERENCES**

- **ANADARKO DRAWING NO.**
  - EA-MZ-CI0100-WOR-E05-00195-01
  - EA-MZ-CI0100-WOR-E05-00195-02
  - EA-MZ-CI0100-WOR-E05-00195-03
Total Area for sidewalk pavement: approx. 1097 m²
THE FOLLOWING PROCESS MUST BE FOLLOWED WHEN CONSTRUCTING THE FOUNDATIONS, AS PER THE GEOTECHNICAL REPORT (SEE GENERAL NOTES DRAWING FOR MORE INFORMATION):

a) EXCAVATE DOWN TO A MINIMUM DEPTH OF 1.25m.

b) COMPACT THE BASE OF THE EXCAVATION TO 93% MDD (MAXIMUM DRY DENSITY) USING HEAVY PLATE-TYPE COMPACTORS. ALL SOFT CLAY RICH MATERIALS ENCOUNTERED AT THE BASE OF THE EXCAVATION ARE TO BE REMOVED AND REPLACED WITH COHESIONLESS MATERIAL ORIGINALLY EXCAVATED OUT, LESS THE CLAY RICH COMPONENT, AND COMPACTED TO 95% MDD.

c) BACKFILL EXCAVATION WITH A MINIMUM OF 500mm OF THE MATERIAL ORIGINALLY EXCAVATED, LESS THE CLAY RICH COMPONENT. THIS MATERIAL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 150mm LOOSE THICKNESS AND COMPACTED TO 95% MDD TO FORM A BEARING PAD TO CONSTRUCT THE CONCRETE FOUNDATIONS ON.

d) THE BEARING PAD SHOULD EXTEND TO AT LEAST 50% OF THE WIDTH OF THE CONCRETE FOUNDATION ON EITHER SIDE.

e) CONCRETE FOUNDATIONS MAY THEN BE CONSTRUCTED ON THE BACKFILL.
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e) CONCRETE FOUNDATIONS MAY THEN BE CONSTRUCTED ON THE BACKFILL.

NOVEMBER 2015

ACADO 01
ELEVATION 01
1:50

ACADO 02
ELEVATION 02
1:50

ACADO 03
ELEVATION 03
1:50

ACADO 04
ELEVATION 04
1:50
PAVIMENTOS

FLOORING

F1 Vinilico Armstrong 2mm, modelo 59573 reference dimensions of 33x33cm.

F2 Vinilico Armstrong 2mm, modelo 59573 reference dimensions of 33x33cm.

F3 Vinilico Armstrong 2mm, modelo 59573 reference dimensions of 33x33cm.

F4 Vinilico Armstrong 2mm, modelo 59573 reference dimensions of 33x33cm.

PALEDES / WALLS

WALLS

P1 Vinilico Armstrong 2mm, modelo 59573 reference dimensions of 33x33cm.

P2 Vinilico Armstrong 2mm, modelo 59573 reference dimensions of 33x33cm.

P3 Vinilico Armstrong 2mm, modelo 59573 reference dimensions of 33x33cm.

TECTOS / ROOFING

T1 Teto feito em painel de gesso fixo helpboard.

T2 Teto em betão armado recoberto e pintado com tinta PVA, liso planterado e pintado concreto com PVA branco.

RODAPÉS / BASEBOARDS

R1 Vinilico Armstrong 2mm, modelo 59573 reference dimensions of 33x33cm.

R2 Vinilico Armstrong 2mm, modelo 59573 reference dimensions of 33x33cm.
CONSTRUCTING THE FOUNDATIONS, AS PER THE GEOTECHNICAL

EXCAVATED OUT, LESS THE CLAY RICH COMPONENT, AND

B) COMPACT THE BASE OF THE EXCAVATION TO 93% MDD

ROOM FOR ADULTS WAITING

TREATMENT ROOM

SALA DE ESPERA

SALA DE CONSULTAS

CONJUNTO COM:

0.55
0.20
0.10
0.40
0.45
0.10
2.00
1.70
1.00
0.40

VIGA DE BETÃO ARMADO

BEAM OF CONCRETE

LAJETA DE BETÃO ARMADO

CONCRETE SUNSHADE
## Expecting Mothers - House - Internal Drainage Connections

<table>
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<th>Unit</th>
<th>Quantity</th>
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<td>1</td>
<td>110mm HDPE - 87° VENT HORN BEND</td>
<td>No.</td>
<td>6</td>
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<tr>
<td>2</td>
<td>90mm VENT COWL</td>
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<td>1</td>
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<td>110mm HDPE - SINGLE 87° PLAN REDUCING JUNCTION</td>
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<td>4</td>
<td>TEE - 87° PLAIN BEND</td>
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<tr>
<td>5</td>
<td>110mm PVC PIPE</td>
<td>m</td>
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## Anadarko Drawing Number

- Checked: [Signature]
- Date: [Date]
- Project: [Project Name]
- Revision: [Revision]
- Client: [Client Name]
- Done By: [Done By]
- Description No.: [Description No.]
- Local PR: [Local PR]
- Eng: [Engineer]
- Designer: [Designer]
- Checked: [Checked]
- Drawn By: [Drawn By]
- Name: [Name]
- Signature: [Signature]
- Date: [Date]

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## Dimensions

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

### Reference Drawings

Expecting Mothers: C00290-00-WW-DRD-0036-001

## Materials

- 20mm ND HDPE PIPE WITH 1m COVER
- 50mm ND PVC PIPE
- 15mm ND COPPER PIPE
- 110mm ND PVC PIPE
- 50mm ND PVC PIPE
- 20mm ND HOPE PIPE WITH 1m COVER

## Plan - Expecting Mothers House

### Legend

- 110mm ND PVC PIPE
- 50mm ND PVC PIPE
- 15mm ND COPPER PIPE
- 20mm ND HDPE PIPE

### Community Facilities - Community Centre Water Supply

<table>
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<tr>
<td>1</td>
<td>20mm/15mm HDPE / COPPER ADAPTOR</td>
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<td>2</td>
<td>90° ELBOW - COPPER</td>
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<td>TOILETS: STRAIGHT COUPLER, COPPER TO MALE CONNECTION</td>
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<td>4</td>
<td>KITCHEN SINK/ HAND WASH BASIN / SHOWER: WALL PLATE ELBOW TAP CONNECTOR, COPPER TO FEMALE CONNECTION</td>
<td>No.</td>
<td>2</td>
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<tr>
<td>5</td>
<td>15mm COPPER PIPE</td>
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<td>6</td>
<td>20mm HDPE PIPE</td>
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### Notes

- Internal pipe to be installed flush against wall.

### Typical Water Supply Detail at Buildings

- Concrete Hollow Block Wall
- Isolating Value 15mm Copper Pipe
- 20mm HOPE

### Contact Information

- 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.

### Date

November 2015
**NOTES**

**ORIGINAL DWG SIZE A1**

**DRAWING NUMBER**

**SCALE**

**DATE**

**ANADARKO DRAWING NUMBER**

**CHECKED**

**DATE**

**PROJECT**

**REVISIONS**

**CLIENT:**

**DONE BY**

**DESCRIPTION**

**NO.**

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**PUBLIC TOILET**

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<td>4</td>
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**DRAIN GULLEY COMPLETE**

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**TYPICAL WATER SUPPLY DETAIL AT BUILDINGS**

**ADMIN. BUILDING**

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<td>4</td>
<td>KITCHEN SINK/ HAND WASH BASIN / SHOWER</td>
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<td>2</td>
</tr>
<tr>
<td>5</td>
<td>WALL PLATE ELBOW / TAP CONNECTOR, COPPER TO FEMALE CONNECTION</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>15mm COPPER PIPE</td>
<td>m</td>
<td>5m</td>
</tr>
<tr>
<td>7</td>
<td>20mm HDPE PIPE</td>
<td>m</td>
<td>5m</td>
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**LEGEND:**

- 15mm ND COPPER PIPE
- 40mm HDPE PIPE
- 110mm ND PVC PIPE
- 50mm ND PVC PIPE
- 20mm HDPE PIPE
- 20mm ND HDPE PIPE

**REFERENCE DRAWINGS:**

- EXPECTING MOTHERS: C00290-00-WW-DRD-0036-002

**PLAN - EXPECTING MOTHERS TOILETS**

**DETAIL 1**

**CONCRETE HOLLOW BLOCK WALL**

**ISOLATING VALVE**

**WALL PLATE ELBOW & TAP CONNECTOR**

**NOTE:** INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

**NOTES**

**ISSUED FOR CONSTRUCTION**

**REVISIONS**

**AMA 1**

**RESETTLEMENT VILLAGE**

**COMMUNITY FACILITIES**

**EXPECTING MOTHERS HSE. TOILETS**

**INTERNAL RETICULATIONS**

**DATE:** NOVEMBER 2015

**PROJECT MANAGER:**

**ENGINEER:**

**SIGNATURE:**

**DATE:** 29/10/2015

**WorleyParsons RSA**

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.
### Community Facilities - Admin Centre Internal Drainage Connections

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
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<td>110mm 90° VENT HORN BEND</td>
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<tr>
<td></td>
<td>50mm VENT CORR</td>
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<td>110 - 87 1/2 PLAIN BEND</td>
<td>No.</td>
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<tr>
<td></td>
<td>110 ND PVC PIPE</td>
<td>in</td>
<td>3 m</td>
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<tr>
<td>B</td>
<td>110mm 90° VENT HORN BEND</td>
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<td>50mm VENT CORR</td>
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<td>110ND PVC PIPE</td>
<td>in</td>
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<td></td>
<td>S-TRAP</td>
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<tr>
<td></td>
<td>50mm ND PVC PIPE</td>
<td>in</td>
<td>3 m</td>
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<td>C</td>
<td>S-TRAP</td>
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<td>50mm ND PVC PIPE</td>
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<td>D</td>
<td>S-TRAP</td>
<td>No.</td>
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<tr>
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<td>50mm ND PVC PIPE</td>
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<td>DRAIN GULLEY COMPLETE</td>
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<td>15mm ND COPPER PIPE</td>
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<td>20mm ND HDPE PIPE</td>
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### Community Facilities - Admin Centre Water Supply

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<td>20mm/15mm HDPE / COPPER ADAPTOR</td>
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<td>50° ELBOW - COPPER</td>
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<td>TOILETS:</td>
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<td>STRAIGHT COUPLER COPPER TO MALE CONN.</td>
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<td>KITCHEN SINK/HAND WASH BASIN / SHOWER WALL PLATE</td>
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<td>ELBOW TAP CONNECTOR COPPER TO FEMALE CONNECTION</td>
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<td>NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH</td>
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<td>AGAINST WALL</td>
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<td>CONCRETE HOLLOW BLOCK WALL</td>
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<td>15mm COPPER PIPE</td>
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<td>20mm HDPE</td>
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<td>ISOLATING VALVE</td>
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<td>15mm COPPER PIPE</td>
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<td>20mm HDPE</td>
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<td>TYPICAL WATER SUPPLY DETAIL AT BUILDINGS</td>
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<td></td>
<td>DETAILS</td>
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**REFERENCE DRAWINGS:**
- CLINIC: C00290-00-WW-DRD-0023-001/002

**PROJECT ENG:**
- L. PADAYACHEE: 29/10/2015
- L. PADAYACHEE: 29/10/2015
- L. PADAYACHEE: 29/10/2015
- L. PADAYACHEE: 29/10/2015

**DESIGNER:**
- A. RAJAH: 29/10/2015

**CHECKED:**
- A. RAJAH: 29/10/2015
- L. PADAYACHEE: 29/10/2015
- L. PADAYACHEE: 29/10/2015
- L. PADAYACHEE: 29/10/2015

**DRAWN BY:**
- A. RAJAH: 29/10/2015
- L. PADAYACHEE: 29/10/2015
- L. PADAYACHEE: 29/10/2015
- L. PADAYACHEE: 29/10/2015

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

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**SURFACE BED LAYOUT**

**SCALE 1 : 100**

- **75mm Thick Apron Slab** with Mesh Ref. 245
- **10mm Thick Surf. Slab** with Mesh Ref. 245
- **50mm Thick Surf. Slab** with Mesh Ref. 245
- **30mm Thick Surf. Slab** with Mesh Ref. 245

**NOTES**

- All materials as per architects drawings
- All reinforcement as per architects drawings
- All saw-cut joints (SC) to be compacted to minimum 93% MDD or better material
- Mesh ref. 245 in center of surface bed to stop blust of saw-cut joint
- Mesh ref. 245 in center of footing to stop blust of saw-cut joint
- Mesh ref. 245 in footing to stop blust of saw-cut joint

**TYPICAL SAW-CUT JOINT (SC)**

**SCALE 1 : 10**

- 10mm Thick Surf. Slab Measured Perp to Joint
- 200mm Thick Surf. Slab Measured Perp to Joint
- Mesh Ref. 245 in Center

**TYPICAL CONSTRUCTION JOINT (C.J.)**

**SCALE 1 : 10**

- 10mm Web x 4mm Deep
- Mesh Ref. 245
- Mesh Ref. 245
- Mesh Ref. 245

**ISOLATION JOINT (I.J.)**

**SCALE 1 : 10**

- 125mm Thick Surf. Slab Measured Perp to Joint
- 200mm Thick Surf. Slab Measured Perp to Joint
- Mesh Ref. 245

**TYPICAL HOOP IRON JOINT**

**SCALE 1 : 10**

- 30x24x100mm Long Dbl Flanged Hoop Iron Strip Every 300mm Coupled Shot Fired into RC Column

**REVISIONS**

- EA-MZ-CB103-WOR-E05-00078-01
- EA-MZ-CB103-WOR-E05-00077-01

**ISSUED FOR CONSTRUCTION**

- WorleyParsons RSA (Pty) Ltd.
  - www.worleyparsons.com
  - TEL: +27 (0)11 218 3000
  - 39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG

**DESIGNER**: T SNYDERS
**DRAWN BY**: N ROBINSON
**CHECKED**: D I ROBINSON
**APPROVED FOR CONSTRUCTION**: 17/11/15
**ISSUED FOR CLIENT REVIEW**: 04/11/15
**ISSUED FOR DETAIL DESIGN**: 30/10/15
**DATE**: 03/12/15
**REVISIONS**

- EA-MZ-CB103-WOR-E05-00078-01
- EA-MZ-CB103-WOR-E05-00077-01

**CLIENT**: WorleyParsons RSA (Pty) Ltd.
**ENG**: N ROBINSON
**PR ENG**: L PADAYACHEE

**DESCRIPTION**

- **3800**: RC RAMP
- **750x250 RC**: COLUMN
- **100x150 RC**: COLUMN
- **1010**: BED LAYOUT
- **250x200 RC**: COLUMN
- **125**: MESH REF. 245
- **125mm Thick Surf. Slab**
- **125mm Thick Surf. Slab**
- **100mm Thick Surf. Slab**
- **200mm Thick Surf. Slab**
- **75mm Thick Surf. Slab**

**SCALE FOR REDUCED PLAN**

- **SCALE 1 : 100**
- **SCALE 1 : 10**

**NOTES**

- All dimensions must be verified on site before the works commence. Refer any drafts and/or documents for the sole purpose of their intended use on this project and/or for the project covered by the appointment. The client may use the designs and/or documents prepared in terms of this appointment including designs and/or documents prepared in terms of this appointment only subject to payment for the design having been received.
6. CLINIC STAFF HOUSING
PLANTA DE COBERTURA
ROOF PLAN

PLANTA DE ESTRUTURA DE COBERTURA
STRUTURAL ROOF PLAN

ELEVATION 13
Alcado 13

ELEVATION 15
Alcado 15

ELEVATION 14
Alcado 14

PLAN DE ESTRUCTURA DE COBERTURA
STRUTURAL ROOF PLAN

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for the project covered by the appointment. The client may use the designs
including designs and/or documents prepared in terms of this appointment
WorleyParsons RSA retains the copyright in all intellectual property,
STAFF HOUSES - CLINIC - INTERNAL DRAINAGE CONNECTIONS

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<th>No.</th>
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<td>P-TRAP</td>
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<td>50mm ND PVC PIPE</td>
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<td>110 mm PVC PIPE</td>
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<td>50mm - SINGLE 90° PLAIN JUNCTION</td>
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<td>50mm - SINGLE 97.5° PLAIN BEND</td>
<td>No. 2</td>
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<tr>
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<td>110 ND PVC PIPE</td>
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<td>110 - 97.5° PLAIN BEND</td>
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COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

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<td>WALL PLATE ELBOW TAP CONNECTOR, COPPER TO FEMALE CONNECT</td>
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TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

CONCRETE HOLLOW BLOCK WALL

ISOLATING VALVE

20mm HDPE

15mm COPPER PIPE

CONCRETE HOLLOW BLOCK WALL

20mm HDPE

15mm COPPER PIPE

20mm HDPE / COPPER ADAPTOR

90° ELBOW - COPPER

TOILETS

STRAIGHT COUPLER, COPPER TO MALE CONNECTION

KITCHEN SINK/HAND WASH BASIN / SHOWER / BATH

WALL PLATE ELBOW TAP CONNECTOR, COPPER TO FEMALE CONNECTION

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL