VOLUME IV

Construção

Anexo I

Plantas da Obra
PLANO FINAL DE REASSENTAMENTO
ANEXO I: PROJECTO DE CONSTRUÇÃO DA ALDEIA DE REASSENTAMENTO

DESENVOLVIMENTO DE GÁS EM MOÇAMBIQUE
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<td>2. RESIDÊNCIAS DO PESSOAL DO POSTO ADMINISTRATIVO</td>
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<td>3. TERMINAL RODOVIÁRIO</td>
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<td>4. CEMITÉRIO</td>
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<td>6. RESIDÊNCIAS DO PESSOAL DO POSTO DE SAÚDE</td>
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<td>7. CENTRO COMUNITÁRIO</td>
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<td>9. MERCADO</td>
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<td>10. TERRAPLANAGEM MASSIVA</td>
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<td>20. RESIDÊNCIAS DO PESSOAL DA ESCOLA</td>
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<td>22. CENTRO DA ALDEIA</td>
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<td>23. ÁGUA</td>
</tr>
</tbody>
</table>
1 POSTO ADMINISTRATIVO
TYPICAL CONSTRUCTION JOINT (C.J.)

SCALE 1:10

FOUNDATION LAYOUT

SCALE 1:25

STRIP FOUNDATIONS REINFORCEMENT

SCALE 1:25

ISOLATION JOINT (I.J.)

SCALE 1:10

SURFACE BED LAYOUT

SCALE 1:25

SECTION

SCALE 1:10

NOTES

REFER TO STRUCTURAL GENERAL NOTES
EA-MZ-B103-WOR-E02-01400-01
REFER TO ARCHITECTS DRAWING
EA-MZ-CI0000-WOR-B18-00001-01
REFER TO BENDING SCHEDULE 14
ON DRAWING EA-MZ-CI0100-WOR-E05-00062-01

STIP F F OUN DATIONS REINFOR CEMENT

SCALE 1:25

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WorleyParsons RSA

www.worleyparsons.com

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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 vidas)

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
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 wainscoting PVA paint on plain plaster to ceiling height

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

PINTURA / Painting
- Para especificações da pintura consultar documento em anexo.
- For all painting specifications refer to document in annex.
EA-MZ-C10000-WOR-E04-00031-01
ACABAMENTOS / Finishing

PAVIMENTOS / Pavements

Pv1 - Mosaico cerâmico ou Tijoleira classe IV

Ceramic tiles class IV

Pv2 - Acabamento do pavimento em cimento queimado

Concrete floor to have power float finish

TECTOS / Ceilings

Te1 - Teto falso em placas de gesso carbonizado pintadas a tinta plástica

Ceiling in gypsum board, PVA painter.

Te2 - Teto falso em placas de gesso carbonizado, resistentes a humidade

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 até 1.50m de altura (ambíte) e tinta plástica sobre reboco liso até o teto

Color enamel paint until 1.50m height and PVA 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 1.90x0.457m

Drop-in sink in stainless steel with 1.90x0.457m

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 e 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 - Toalheiro mídio metálico cromado

Medium chromated metallic towel rack

SN2 - Espelho com 40x40 cm.

Mirror with 40x40 cm.

DIVERSOS / Other

Dv1 - Azulejo 20x20cm nas bancadas e prateleiras de betão

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-C0000-WOR-ES4-00031-01
Cobertura em Chapas metálicas esmaltadas com perfil IBR

Metal roof enameled sheeting with IBR profile
Corte A-A
Section A-A

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. 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 cimento em betão armado
Concrete ring beam

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

8. Cobertura em chapas metálicas esmaltadas com perfil IBR
Enamelled metallic 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
PLANTA DE ACABAMENTOS E VÃOS
Finishing, Doors & Windows Key Plan

ACABAMENTOS / Finishing

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

TECTOS / Ceilings
Te1 - Teto falso em placas de gesso cartonado pintadas a tinta plastica
Ceiling in gypsum board, PVA painted
Te2 - Teto falso em placas de gesso cartonado, resistentes a humidade.
Ceiling in moisture resistant gypsum board, PVA Painted
Te3 - Teto falso em placas NUTEC
Ceiling in NUTEC boards

RODAPÉS / Skirting
Rp2 - Baretinha lisa pintada a tinta esmalte, com h=10cm
Plain granolithic enamel paint, with h=10cm

PAREDES / Walls
Pa2 - Pintura com tinta esmalte de cor até 1.50m de altura (lambris) e tinta plástica sobre reboco liso até o teto
Colour enamel paint until 1.55m height wallscoating PVA paint on plain plaster to ceiling height
Pa4 - Azulejos brancos 20x20cm em todo o compartimento
20x20cm white tiles h=2.10m

SANTARIÁS/Sanitary
SN1 - Conjunto de sanita em porcelana, modelo "H441 Branca"
da "Construa" ou similar
Toilet in porcelain, model "H441 White" from "Construa" or similar
SN1 - Porta rolos em porcelana
Toilet rolls holder in porcelain
SN2 - Lavatório e pedestal modelo "C356 Branco" em porcelana
da "Construa" ou similar
Handwash basin and pedestal porcelain model "C356 White"
from "Construa" or similar
SN2 - Toaleiro médio metálico cromado
Medium chrome-plated metal toilet brush
SN2 - Espelho com 40x40 cm.
Mirror with 40x40 cm.
SN4 - Urinal em porcelana, modelo "Lavatera da Vaal" ou similar
Urnal in porcelain, model "Lavatera by Vaal" or similar

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

EA-MZ-C0000-WOR-E04-00031-01
Total Area for sidewalk pavement: approx. 424 m²
ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED/VERIFIED ON SITE AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.

CODE:

codigo:

FRAMES:

aro:

FINISH:

acabamentos:

IRONMONGERY:

GLAZING:

Vidros:

GLAZING NOTES:

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.

NOTE:

Este desenho e para ser lido em conjunto com:

Arteguricial:

EA-MZ-CIO100-WOR-E04-00015-01
EA-MZ-CIO100-WOR-E04-00400-01
EA-MZ-CIO100-WOR-E04-00405-01
EA-MZ-CIO100-WOR-E04-00032-01
EA-MZ-CIO100-WOR-E04-00161-01
EA-MZ-CIO100-WOR-E05-00047-01
EA-MZ-CIO100-WOR-E03-00016-02

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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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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.**

### Glazing Notes:

- **Ironmongery:**
  - *Frame:* Wooden frame to manufacturers specs
  - *Finish:* 3 coats clear varnish
  - *Ironmongery:* 102 x 76 x 3mm PVD double ball bearing butt hinge x 3 per door
  - *Fixing:* Chumped à parede / Plugged to wall

- **Glazing:**
  - *System:* 3 coats clear varnish
  - *Materials:* 102 x 76 x 3mm PVD double ball bearing butt hinge x 3 per door

### Gate & Door Schedule Details:

**Code:** D4

- **Position:** Reception, meet. room
  - **Localização:** Receipção, s. reuniões
  - **Qty:** 102 x 75 x 3mm PVD double ball bearing butt hinge x 3 per door
  - **Position:** Similar to Yale Gower handle

- **System:**
  - TUBO DE AÇO DE 4X20MM + REDE TUBARÃO / 4X20 MEDIUM STEEL SECTION + CHAIN LINK FENCING
  - VARÃO DE AÇO DE Ø16MM - ARMAÇÃO DA REDE / Ø16MM STEEL SECTION - CHAIN LINK FENCING FRAME
  - CHAPA DE AÇO DE Ø16MM / 1MM STEEL SHEET

- **Finishing:**
  - ZARCAO / 2IN PHOSPHATE PRIMER
  - TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

- **Ironmongery:**
  - 2 PUXADORES + 1 TRINCO DE CULTURA PARA CADEADO DE 1" EM AÇO / 2 STEEL ANGLES + 1 5/8" STEEL BOLT FOR LOCK
  - CANTONEIRAS DE AÇO DE 35X35MM / 35X35MM "L" STAINLESS SECTION

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

- **Ironmongery:**
  - 3 DOBRADAS DE 4" EM AÇO / 4" 3 STEEL MNGES

- **Finishing:**
  - ZARCAO / 2IN PHOSPHATE PRIMER
  - TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

---

**Code:** C00480-00-AR-SCH-0085-002

**Date:** 12/08/15

**Project:** RESETTLEMENT VILLAGE

---

**Drawing Description:**

**Posto Administrativo - Mapa de Vãos Folha 1 de 4**

**Local Administration - Window & Door Schedule Sheet 2 of 4**

**This Drawing is to be Read in Conjunction with:**

- Architectural
- Structural

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**Glazing Notes:**

- 3mm LAMINATED CLEAR GLASS

**Finish:**

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

**Frame:**

- WOOD FRAME TO MANUFACTURERS SPEC'S
- SOLID TIMBER WINDOW, 2 GLASS PANELS ON OUTSIDE & 2 MOSQUITO SCREEN PANELS ON THE INSIDE
- WINDOW TO BE FROM SWARTLAND OR SIMILAR

**Irruption:**

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

**Glazing:**

- 3mm LAMINATED CLEAR GLASS
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 DISCREPANÇA DEVE SER COMUNICADA AO ARQUITETO

Code: Codigo: GATE 2

Position: Localização: External

Qty: Quant.: 1

System: Sistema:

2 folhas de abrir / 2 openable leafs

Materials: Materiais:

TUBO DE AÇO DE 40X30MM + REDE TUBARÃO / 40X20 HOLLOW STEEL SECTION + CHAIN LINK FENCING
VARÃO DE AÇO DE Ø10MM - ARMAÇÃO DA REDE / Ø10MM SOLID STEEL SECTION - CHAIN LINK FENCING FRAME
CHAPA DE AÇO DE Ø18MM / 1MM STEEL SHEET

Finishing: Acabamento:

ZARÇÕES X2 PHOSPHATE PRIMER
TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

Ironmongery: Ferragens:

4 PUXADORES + 2 TRINÇOS DE CULATRA PARA CADEADO DE 3" EM AÇO / 4 STEEL AUSSES + 2 5" STEEL BOLT FOR LOCK

Materials: Materiais:

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

Fixing: Fixação:

CHUMBAÇÕES À PAREDE / PLUGGED TO WALL

Ironmongery: Ferragens:

6 DOBRADAS DE 4" EM AÇO / 4" STEEL MINGS

Finishing: Acabamento:

ZARÇÕES X2 PHOSPHATE PRIMER
TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

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COMMUNITY FACILITIES - COMMUNITY CENTRE INTERNAL DRAINAGE CONNECTIONS

ADMINISTRATION BUILDING

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>110mm/80mm - 90° VENT HORN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>A</td>
<td>50mm VENT CORR.</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>A</td>
<td>110mm/80mm - SINGLE 90° HEAD REDUCING JUNCTION</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>A</td>
<td>110 - 87.5° PLAIN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>A</td>
<td>DRAIN GALLEY CRIPPLE</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>A</td>
<td>50 - 87.5° PLAIN BEND</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>A</td>
<td>110mm ND PVC PIPE</td>
<td>m</td>
<td>2m</td>
</tr>
<tr>
<td>A</td>
<td>50mm ND PVC PIPE</td>
<td>m</td>
<td>2m</td>
</tr>
<tr>
<td>A</td>
<td>R-TRAP</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>B</td>
<td>50 - 87.5° PLAIN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>B</td>
<td>50mm ND PVC PIPE</td>
<td>m</td>
<td>2m</td>
</tr>
</tbody>
</table>

NOTES

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

COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

ADMINISTRATION BUILDING

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>20mm/15mm HDPE / COPPER ADAPTOR</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>A</td>
<td>90° ELBOW - COPPER</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>B</td>
<td>TOILETS: STRAIGHT COUPLER. COPPER TO MALE CONNECTION</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>C</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>C</td>
<td>15mm COPPER PIPE</td>
<td>m</td>
<td>5m</td>
</tr>
<tr>
<td>C</td>
<td>20mm ND HDPE PIPE</td>
<td>m</td>
<td>17m</td>
</tr>
</tbody>
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COMMUNITY FACILITIES - COMMUNITY CENTRE INTERNAL RETICULATIONS

<table>
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<th>UNIT</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>A</td>
<td>20mm HDPE PIPE WITH 1m COVER</td>
<td>15m</td>
<td>1</td>
</tr>
<tr>
<td>B</td>
<td>110mm ND PVC PIPE</td>
<td>20mm</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>15mm ND COPPER PIPE</td>
<td>20mm</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>40mm ND HDPE PIPE</td>
<td>20mm</td>
<td>2</td>
</tr>
</tbody>
</table>

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

PLAN - ADMINISTRATION BUILDING

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

N/TS
### Community Facilities - Administration Centre Internal Drainage Connections

<table>
<thead>
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<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>110x50mm - 67.5° Vent-thorn Bend</td>
<td>No. 1</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>50mm VENT CORL</td>
<td>No. 1</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>110 - 67.5° Plain Bend</td>
<td>No. 1</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>110 ND PVC PIPE</td>
<td>m</td>
<td>2m</td>
</tr>
<tr>
<td>E</td>
<td>110x50mm - 67.5° Vent-thorn Bend</td>
<td>No. 1</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>50mm VENT CORL</td>
<td>No. 1</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>110 - 67.5° Plain Bend</td>
<td>No. 1</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>110mm - Single 67.5° Plain Junction</td>
<td>No. 1</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>110 ND PVC PIPE</td>
<td>m</td>
<td>2m</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. 4</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>50° ELBOW - COPPER</td>
<td>No. 8</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>TOILETS: STRAIGHT COUPLER, COPPER TO MALE CONNECTION</td>
<td>No. 2</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>KITCHEN SINK/HAND WASH/BASIN/Shower</td>
<td>No. 2</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>WALL PLATE ELBOW/TAP CONNECTOR, COPPER TO FEMALE CONN.</td>
<td>No. 2</td>
<td></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>

**Legend:**
- 110mm ND PVC PIPE
- 50mm ND COPPER PIPE
- 20mm ND HDPE PIPE
- 40mm ND HDPE PIPE

*NOTE:内部管道应安装在墙内。*
1. SOAK AWAYS

1.1 CONSTRUCTION OF SOAK AWAYS:

1.1.1 LDV PERFORATED DRAINAGE PIPE, WITH THE SLIPJOINTS AT THE BOTTON, LAY IN TRENCHES OF A UNIFORM GRADIENT NOT STEEPER THAN 1:200. PERFORATED 'FLEXICOIL' TYPE PIPE IS NOT ALLOWED.

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

1.1.3 THE LENGTHS OF INTERSECTIONS BETWEEN TRENCHES MUST COMPLY WITH AMOUNTS DEDUCED TO EMERSE TWO TRENCHES.

1.1.4 SOAK AWAY TRENCHES MUST BE BUILT PLOWED WITH A LAYER OF GEOTEXTILE MEMBRANE TO PREVENT ENTRY OF MUD.

1.1.5 THE REMAINDER OF THE SOAK Away CAUSEFUL WITH GEOTEXTILE FABRIC AND A LAYER OF GEOTEXTILE MEMBRANE, AND ALSO A FORMULA A AS SHOWN.

1.1.6 DRAINAGE TRENCHES SHOULD BE 750mm HANDS WITHケア OF UNSTRENGTHED concrete (MINIMUM 250-0-80 Mix) BETWEEN PARALLEL TRENCHES.

1.1.7 A SOAK AWAY SHALL:

a) BE CONSTRUCTED AND LEVELED SO THAT THE TOP OF THE TRENCH IS AT LEAST 350mm BELOW THE FINISHED GRADE.

b) SOAK AWAY TRENCHES SHOULD, WHERE POSSIBLE, BE LOCATED DOWNHILL OF A TRENCH.

c) THE SUSCEPTIBILITY OF A WATER SOURCE TO POLLUTION DECREASES WHERE THE SITE TO BE AFFECTED BY SUCH EFFLUENT IS OF AREA, OVER THREE CONSECUTIVE DAYS AND APPLYING A FORMULA AS SHOWN.

1.1.8 SOAK AWAY AND ASSOCIATED DRAINAGE MUST COMPLY WITH AASHTO (MINIMUM). THE LENGTHS OF INTERSECTIONS BETWEEN TRENCHES MUST COMPLY WITH

1.1.9 THE SUSCEPTIBILITY OF A WATER SOURCE TO POLLUTION DECREASES WHERE THE SITE TO BE AFFECTED BY SUCH EFFLUENT IS OF AREA, OVER THREE CONSECUTIVE DAYS AND APPLYING A FORMULA AS SHOWN.

1.1.10 THE SOAK AWAY SHOULD PREVENT THE PERCOLATION OF INCONTINENT EXCESS WATER FROM THE SITE ON WHICH IT IS SITUATED.

1.1.11 SOAK AWAY SHOULD BE SO CONSTRUCTED AND LOCATED AS NOT TO CAUSE THE ADVERSELY AFFECTED BY ITS EXISTENCE OR AT ANY TIME;


1.1.13 NO SOAK AWAY SHALL BE CONSTRUCTED:

a) SURROUNDING THAT HAVE A POOR DRAINAGE RATE THAT EXCEEDS 30mm PER HOURS.

b) WHERE FLUSH PUMP OUT FLOW DUE TO THE CONSEQUENCES OF THE SITE ON THE STRUCTURE, (THE UNIONS)

c) WHERE THIS SITE IS TO BE AFFECTED BY SUCH EFFLUENT AS SHOWN IN THE UNIONS.

1.2 STRUCTURAL

2.1 ALL SOAK AWAY EXCAVATION SLOTS TO BE COMPACTED TO 500mm ACOUSTIC DRAINAGE.

2.2 ALL FLOOR AND COVER SLABS TO BE COMPACTED WITH MACHINES THE SLAB PLACED IN CENTER OF SLAB.

2.3 CONCRETE STRENGTH REQUIREMENTS AT 28 DAYS. 20MPA.

2.4 ALL 300mm GIOEB WORK TO BE FILLED WITH CONCRETE (GROUP 3).
2 RESIDÊNCIAS DO PESSOAL DO POSTO ADMINISTRATIVO
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 DEVE SER VERIFICADO NA OBRA E QUALQUER DISCREPÂNCIA DEVE SER COMUNICADA AO ARQUITETO.

NOTES:
1. ALL DOORS WILL BE OF ULABIA OR OF EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT
2. ALL 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Position</th>
<th>Localização</th>
<th>Codifica</th>
<th>Qty</th>
<th>Código</th>
<th>Position</th>
<th>Localização</th>
<th>Codifica</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>External Doors</td>
<td>Portas Externas</td>
<td>2</td>
<td></td>
<td>D2</td>
<td>Cojínha de cvas, quadra</td>
<td>7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Frame:
- WOOD FRAME TO MANUFACTURERS SPECS
- SEMI SOLID SLATTED TIMBER DOOR
- DOORS TO BE TYPE PDO00 - FROM SMARTLAND OR SIMILAR

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

Ironmongery:
- 102 x 76 x 3mm PVC DOUBLE BALL BEARING HINGE X 3 PER DOOR
- LOCK / LEAVES WITH HANDLES POLISHED CHROME FINISH

Glazing:
- Glazing Notes:

REVIEWS

<table>
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<th>NO.</th>
<th>DATE</th>
<th>CHK</th>
<th>CKM</th>
<th>GRA</th>
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<td>1/10/05</td>
<td>MK</td>
<td>CP</td>
<td>DCP</td>
<td>DECEMBER</td>
<td>REVISED ARCHITECTURAL DRAWINGS</td>
</tr>
</tbody>
</table>

ISSUED FOR CONSTRUCTION

PROJECT

AMA1
CASA DO CHIEF'S ADMINISTRATION - MAPA DE VÃOS 1
LOCAL ADMIN'S HOUSE - WINDOW & DOOR SCHEDULE 1

ARCHITECTURAL
EA-MZ-CI0100-WOR-E05-00575-01
EA-MZ-CI0100-WOR-E05-00548-01
EA-MZ-CI0100-WOR-E05-00548-02
EA-MZ-CI0100-WOR-E05-00548-03
EA-MZ-CI0100-WOR-E05-00548-04
EA-MZ-CI0100-WOR-E05-00548-05

Mozambique Area 1, 01

WorleyParsons RSA (Pty) Ltd
39 WILMORE HOUSE, WILMORE ARCH, JOHANNESBURG
P.O. Box 1, 0110, MADIBAZONA 2193
TEL: +27 (0) 11 218 3200
FAX: +27 (0) 11 218 3202

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GLEN

Anadarco Arquitetos Lda. 1

Este desenho é para ser lido em conjunto com:

This drawings is to be read in conjunction with:

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<th>DRAWING NUMBER</th>
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Annotated Drawing Number:
EA-MZ-CI0100-WOR-E05-00548-01

Annotated Drawing Number:
EA-MZ-CI0100-WOR-E05-00548-01

Glazing Notes:

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

Windows Schedule/Mapa de vãos: Janelas

- Code: W1  Position: Localização: Qtd: 9
  Frame: Aro:
  Finish: Acabamentos
  Ironmongery: Ferragens
  Glazing: Vidros
  Glazing Notes:

- Code: W2  Position: Localização: Qtd: 2
  Frame: Aro:
  Finish: Acabamentos
  Ironmongery: Ferragens
  Glazing: Vidros
  Glazing Notes:

NOTES:
1. All doors will be of umbrella 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 must be confirmed on site before manufacturing.
4. Shop drawings to be approved by architect before manufacturing.
5. Refer to window & door schedule key plan.

ISSUED FOR CONSTRUCTION

REVISIONS

A1 11/07/15 CHK DECEIVED FOR COMPLIANCE
A2 11/07/15 CHK DECEIVED FOR COMPLETION
A3 11/07/15 CHK DECEIVED FOR COMPLETION
A4 11/07/15 CHK DECEIVED FOR COMPLETION
E 12/07/15 CHK DECEIVED FOR COMPLETION
S 20/07/15 CHK DECEIVED FOR COMPLETION

WorleyParsons
Assures & Energy

3 WELBOURNE BOULEVARD, WELBOURNE, ARCH, MANHATTAN BEACH, CA 90255
TOLL FREE: 877-WP-ENG (976) 0600
FAX: 714-538-2713

Mozambique Arquitetos

GUEST PROJECT

RESEARCH VILLAGE

ARCHITECTURAL
EA-MZ-C1100-WOR-E05-00075-01
EA-MZ-C1100-WOR-E04-00021-01
EA-MZ-C1100-WOR-E05-00048-01
EA-MZ-C1100-WOR-E05-00048-02
EA-MZ-C1100-WOR-E05-00048-03
EA-MZ-C1100-WOR-E05-00050-00

Mozambique Arquitetos

Anadarko

Architects & Engineers Office

Prepared by:
Mozambique Arquitetos

DATE: NOV 2015
APPROVED BY:
A334: 11/15
REVISIONS

C0029-00-AR-SCH-0007-02

ARCHITECTURAL DRAWINGS NUMBER:
EA-MZ-C1100-WOR-E05-00048-02
GATE SCHEDULE/ Mapa de vãos: Portão

ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED/VERIFICADOS NA OBRA E QUALQUER DISCREPANCIA DEVERA SER COMUNICADA AO ARQUITETOC

NOTES:
1. ALL DOORS WILL BE OF UV CARBON OR EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT
2. ALL OF THE CASKET WINDOW 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

<table>
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<tr>
<th>Code/Codigo:</th>
<th>GATE 1</th>
<th>Position/Localização:</th>
<th>External</th>
<th>Qty/Qt.:</th>
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</tr>
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</table>

System/Sistema:
1 folha de ação / 1 operação / 1 |

Materials/Materiais:
Tubo de aço de 40x3mm + rede tubarão / 40x40mm HOLLOW STEEL SECTION + CHAIN LINK FENCING
Varão de aço de Ø10mm - armação de rede / Ø10mm SOLID STEEL SECTION + CHAIN LINK FENCING FRAME
Chapa de aço de 1.5mm / 1.5mm STEEL SHEET

Finishing/Abastecimento:
ZARÇA / ZINC PHOSPHATE PRIMER
TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

Ironmongery/Ferragens:
2 PUXADES + 1 TRINCADURA PARA CADEADO DE 90° EM AÇO / 2 STEEL KNOBS + 1 STEEL BOLT FOR LOCK

Materials/Materiais:
CANTOçERIAS DE AÇO DE 35x35mm / 35x35mm / 1.5mm STEEL SECTION

Fixing/Fitação:
CHUVADEIRA À PAREDE / PLUGGED TO WALL

Ironmongery/Ferragens:
3 DOBRAÇAS DE 4mm EM AÇO / 4mm STEEL HINGES

Finishing/Abastecimento:
ZARÇA / ZINC PHOSPHATE PRIMER
TINTA ESMALTE DE COR / COLOUR ENAMEL PAINT

Este desenho é para ser lido em conjunto com:

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-C10100-WOR-E05-00575-01
EA-MZ-C10100-WOR-E04-00002-01
EA-MZ-C10100-WOR-E05-00048-01
EA-MZ-C10100-WOR-E05-00050-01

EA-MZ-C10100-WOR-E05-00048-02
EA-MZ-C10100-WOR-E05-00048-03
EA-MZ-C10100-WOR-E05-00050-00

CASA DO CHEFES DA ADMINISTRAÇAO - MAPA DE VÃOS
LOCAL ADMIN'S HOUSE - WINDOW & DOOR SCHEDULE 3

NOV 2015

Issue/Issue: 1:50

Accession Numbers:
C00290.00-AR-SCH-00007-03
EA-MZ-C10100-WOR-E05-00048-03
TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

REFERENCE DRAWINGS
STAFF HOUSES LOCAL ADMINISTRATOR CO60091-WR-00005-94

LEGEND
150mm ND PVC PIPE
10mm ND COPPER PIPE
50mm ND PVC PIPE
20mm ND HDPE PIPE

NOTES

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COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

ADMIN BUILDING

<table>
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<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
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<tbody>
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<td>20mm/50mm HDPE / COPPER ADAPTOR</td>
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<tr>
<td>2</td>
<td>90° ELBOW - COPPER</td>
<td></td>
<td>12</td>
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<tr>
<td>3</td>
<td>TOILETS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>STRAIGHT COUPLER, COPPER TO MALE CONNECTION</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>KITCHEN SINK/ HAND WASH/BASIN / SHOWER</td>
<td></td>
<td>6</td>
</tr>
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<td>6</td>
<td>WALL PLATE ELBOW TAP CONNECTOR COPPER TO FEMALE CONNECTION</td>
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NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

STAFF HOUSES - LOCAL ADMIN. - INTERNAL DRAINAGE CONNECTIONS

LOCAL ADMIN.

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<th>No.</th>
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<td>4.50m</td>
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<td>50mm VENT CORN</td>
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<td>8</td>
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<tr>
<td>24</td>
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<td>1.85m</td>
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COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

ADMIN BUILDING

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<th>QUANTITY</th>
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<td>90° ELBOW - COPPER</td>
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<td>3</td>
<td>TOILETS</td>
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<tr>
<td>4</td>
<td>STRAIGHT COUPLER, COPPER TO MALE CONNECTION</td>
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<td>KITCHEN SINK/ HAND WASH/BASIN / SHOWER</td>
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<td></td>
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</tbody>
</table>

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

STAFF HOUSES LOCAL ADMINISTRATION INTERNAL RETICULATIONS

ISSUED FOR CONSTRUCTION

A. RAJAH
29/10/2015

L. PADAYACHEE
29/10/2015

L. PADAYACHEE
29/10/2015

L. PADAYACHEE
29/10/2015

AMA 1
RESETTLEMENT VILLAGE

STAFF HOUSES LOCAL ADMINISTRATION INTERNAL RETICULATIONS

NOTES

PLAN - STAFF HOUSES LOCAL ADMIN

1:50
ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-CI0100-WOR-E05-00575-01
EA-MZ-CI0100-WOR-E04-00021-01
EA-MZ-CI0100-WOR-E05-00048-01
EA-MZ-CI0100-WOR-E05-00048-02
EA-MZ-CI0100-WOR-E05-00048-03
EA-MZ-CI0100-WOR-E05-00050-00

STRUCTURAL
EA-MZ-CI0100-WOR-E04-00011-01
EA-MZ-CI0100-WOR-E05-00014-00

WATER
EA-MZ-CI0100-WOR-E05-00496-01
EA-MZ-CI0100-WOR-E05-00496-02
EA-MZ-CI0100-WOR-E05-00122-01

ELECTRICAL
EA-MZ-CI0100-WOR-E02-00100-01

---

Steel site fencing 0.82mm with spacing between 0.275m steel post 1.83mm High 7 hole posts (600mm below NGL) to
architects specification.

Cerca em aro de aço 0.82mm com espaçamento entre postes de aço 0.275m altura 1.83mm com 7 buracos (600
milímetros abaixo do solo) de acordo com desenho do arquiteto e engenheiro.

---

WorleyParsons Ltd.

---

WorleyParsons RSA (Pty) Ltd.

---

Anadarko
Mozambique Arquitectos

---

MESCH

---

CASA DO CHEFE DA ADMIN.
LAYOUT FOLHA 1 DE 5
LOCAL ADMIN'S HOUSE - LAYOUT SHEET 1 OF 5

---

LOCAL ADMIN'S HOUSE - LAYOUT SHEET 1 OF 5

---

NOV 2015

---

CASA DO CHEFE DA ADMIN.
LAYOUT FOLHA 1 DE 5
LOCAL ADMIN'S HOUSE - LAYOUT SHEET 1 OF 5

---

PLANTA DE LOCALIZAÇÃO
Site Plan
Edifício 1/50
ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-010100-WOR-E05-00575-01
EA-MZ-010100-WOR-E04-00021-01
EA-MZ-010100-WOR-E05-00048-01
EA-MZ-010100-WOR-E05-00048-02
EA-MZ-010100-WOR-E05-00004-03
EA-MZ-010100-WOR-E05-00050-00

STRUCTURAL
EA-MZ-010100-WOR-E04-00011-01
EA-MZ-010100-WOR-E05-00014-00

WATER
EA-MZ-010100-WOR-E05-00496-01
EA-MZ-010100-WOR-E05-00496-02
EA-MZ-010100-WOR-E05-00122-01

ELECTRICAL
EA-MZ-010100-WOR-E02-00100-01

PLANTA DO PISO
Floor Plan
EScala/Scale 1:100
ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

ARCHITECTURAL
EA-MZ-CN0100-WOR-E05-00575-01
EA-MZ-CN0100-WOR-E04-00021-01
EA-MZ-CN0100-WOR-E05-00048-01
EA-MZ-CN0100-WOR-E05-00048-02
EA-MZ-CN0100-WOR-E05-00048-03
EA-MZ-CN0100-WOR-E05-00050-00

STRUCTURAL
EA-MZ-CN0100-WOR-E04-00011-01
EA-MZ-CN0100-WOR-E05-00014-00

WATER
EA-MZ-CN0100-WOR-E05-00496-01
EA-MZ-CN0100-WOR-E05-00496-02
EA-MZ-CN0100-WOR-E05-00122-01

ELECTRICAL
EA-MZ-CN0100-WOR-E02-00100-01

PLANTA DE COBERTURA
Roof Plan
ETD/AS/1 10/06
ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION 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-E05-00406-01
EA-MZ-C10100-WOR-E05-00406-02
EA-MZ-C10100-WOR-E05-00122-01

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

Key

1. Laje de pavimento em betão
Concrete slab

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

3. Rodapé em betonhã lisa, pintura a tinta esmaltada com hs 100mm
Painted concrete skirting

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

5. Alvenaria em blocos vazados com espessura de 100mm
Walls in hollow block 100mm wide

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

7. Viga de concreto em betão armado
Concrete ring beam

8. Blocos ventiladores com rede mosquiteira sinalética
Vent blocks with mosquito net

9. Cobertura em chapas metálicas esmaltadas com perfil IBER com isolamento Sisalà 405
Enamelled metallic roof sheeting with IBER profile on graded SA pine battens with insulation 405 roof underlay fixed to prefabricated roof trays

10. Cumeeira em chapa esmaltada
Enamelled sheet ridge cap

11. Teto falso em placas de gesso cartonado pintado a tinta plástica sob estrutura de madeira
Ceiling in Gypsum board PVA painted under wooden structure

12. Teto falso NUTEC em fibra de cimento
Fiber cement NUTEC soffit board

13. Linha em betão armado
Concrete lintel

14. Fis na madeira tratada
Treated timber column

15. Base de pilar em betão, pintado a tinta plástica
Concrete column base, painted with washable PVA paint

16. Laje de pavimento da varanda
Concrete veranda slab

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-CI0100-W06-00575-01
EA-MZ-CI0100-W06-00576-01
EA-MZ-CI0100-W06-00577-01
EA-MZ-CI0100-W06-00578-01
EA-MZ-CI0100-W06-00579-01

STRUCTURAL
EA-MZ-CI0100-W06-00000-01
EA-MZ-CI0100-W06-00001-01
EA-MZ-CI0100-W06-00002-01
EA-MZ-CI0100-W06-00003-01
EA-MZ-CI0100-W06-00004-01

WATER
EA-MZ-CI0100-W06-00496-01
EA-MZ-CI0100-W06-00497-01
EA-MZ-CI0100-W06-00498-01
EA-MZ-CI0100-W06-00499-01

ELECTRICAL
EA-MZ-CI0100-W06-00122-01
EA-MZ-CI0100-W06-00123-01
EA-MZ-CI0100-W06-00124-01
3 TERMINAL RODOVIÁRIO
### Public Parking

- **18 Bays**

### Setting Out Coordinates

**Bus Stop**

<table>
<thead>
<tr>
<th>Point</th>
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### Setting Out Coordinates

**Bus Stop**

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</tr>
<tr>
<td>BS16</td>
<td>663235.293</td>
<td>8801253.652</td>
</tr>
</tbody>
</table>

### Block Paving

- **Concrete Paving**
- **Block Paving**

### Dimensions

- **663160.0**
- **8801180.0**
- **663180.0**
- **8801200.0**
- **663200.0**
- **8801220.0**
- **663220.0**
- **8801240.0**
- **663240.0**
- **8801260.0**

### Setting Out

**Coordinates**

- WGS84 / UTM37S

### Notes

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

---

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- The client may use the designs and/or documents for the sole purpose of their intended use on this project only subject to payment for the design having been received.
- Use for any other purpose, whether not the design and/or documents have been paid for constitutes an infringement of copyright, and all rights are reserved.
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 metalic roof sheeting with IBR profile

Para pormenores da cobertura consultar desenhos do especialista
For roof details refer to specialist drawings
ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

LEGENDA / LEGEND

01 PARAGEM
BUS STOP

02 BLOCCO MULTIFUNZIONALE -
MULTIPURPOSE BUILDING - BUS
PARKING & BUS STOP

03 PARAGEM
PARKING & BUS STOP ENTRANCE

LATRINAS PÚBLICAS
PUBLIC TOILETS

VERDADE "AZTECH Anti-Bacterial"
FENÊÇA "AZTECH Anti-Dust"

LIMITE DO TALHÃO (sem vedação)
SITE BOUNDARY (no fence)

PASSARELA EM "Poly/Cem polymer" OU
SIMILAR COLOR TO CLIENT

ARCHITECTURAL
EA-MZ-CI0100-WOR-E04-00800-01
EA-MZ-CI0100-WOR-E04-00901-01
EA-MZ-CI0100-WOR-E04-00805-01

STRUCTURAL
EA-MZ-CI0100-WOR-E05-00815-01
EA-MZ-CI0100-WOR-E05-00855-01
EA-MZ-CI0100-WOR-E05-00650-01

WATER
EA-MZ-CI0100-WOR-E05-00108-01
EA-MZ-CI0100-WOR-E05-00895-01
EA-MZ-CI0100-WOR-E05-00895-02
EA-MZ-CI0100-WOR-E05-00895-03

ELECTRICAL
EA-MZ-CI0100-WOR-E02-00830-01
EA-MZ-CI0100-WOR-E02-00553-01

REVISIONS

NO. DATE CHK CPN

DESCRIPTION

PROJECT

AM A 1
RESETLEMENT VILLAGE

DRAWING DESCRIPTION

PARAGEM DE AUTO/CARRO -
PLANTA GERAL

SCALE

A3\# 1:500

DATE

NOV 2015

DRAWING NUMBER

C00290-00-AR-DLP-0119-001

PROJECT NUMBER

EA-MZ-C10100-WOR-E04-00805-01
COMMUNITY FACILITIES - ADMIN. CENTRE INTERNAL DRAINAGE CONNECTIONS

PUBLIC TOILET

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<tr>
<td>E</td>
<td>50mm VENT COWL</td>
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<tr>
<td>F</td>
<td>16 - 87.5° FLANGE BEND</td>
<td>No. 1</td>
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<tr>
<td>G</td>
<td>16mm - SINGLE 87.5° PLAN JUNCTION</td>
<td>m</td>
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DRAIN GULLEY COMPLETE

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<td>1</td>
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<tr>
<td>I</td>
<td>50mm ND PVC PIPE</td>
<td>m</td>
<td>8m</td>
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<tr>
<td>J</td>
<td>DRAIN GULLEY COMPLETE</td>
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<td>K</td>
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COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

ADMIN BUILDING

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<td>O</td>
<td>20mm/15mm HDPE / COPPER ADAPTOR</td>
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<tr>
<td>P</td>
<td>90° ELBOW - COPPER</td>
<td>No. 8</td>
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<tr>
<td>Q</td>
<td>TOILETS</td>
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<tr>
<td>R</td>
<td>STRAIGHT COUPLER, COPPER TO MALE CONN.</td>
<td>No. 2</td>
<td>2</td>
</tr>
<tr>
<td>S</td>
<td>KITCHEN SINK / HAND WASH BASIN / SHOWER:</td>
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<tr>
<td>T</td>
<td>WALL PLATE ELBOW TAP CONNECTOR COPPER TO FEMALE CONN.</td>
<td>No. 2</td>
<td>2</td>
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<tr>
<td>U</td>
<td>15mm COPPER PIPE</td>
<td>m</td>
<td>3m</td>
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<tr>
<td>V</td>
<td>20mm ND HDPE PIPE</td>
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<td>10m</td>
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NOTES

REFERENCE DRAWINGS:
BUS STOP
DDC0608-05-WR-DRD-0033-001/002

ISSUED FOR CONSTRUCTION

COMMUNITY FACILITIES
BUS STOP TOILETS
INTERNAL RETICULATIONS

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

1. CONCRETE HOLLOW BLOCK WALL
2. ISOLATING VALVE
3. 20mm HDPE
4. 15mm COPPER PIPE
5. WALL PLATE ELBOW TAP CONNECTOR COPPER TO FEMALE CONN.

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL.
1900x1750x300mm BASE
TYPICAL REINFORCEMENT
SCALE: 1:10
MINIMUM 93% MDD OR BETTER MATERIAL.

2x150mm G6 LAYERS COMPACTED TO BE RIPPED AND RE-COMPACTED.

(30MPa/19mm) REINFORCED WITH 875 125x75x20x2,5 CFLC

C - 203x133x25 I AS PURLINS

STUB COLUMNS 400x400 THICKENING

MESH REF. 245 300x300

875 230 16

HAUNCH CUT FROM 203x133x30 I

10mm STIFFENER 500

200 LONG PURLIN CLEAT WITH 4M16 BOLTS

480 A 2

SECTION SCALE 1:25

1250 1004

3212 950

2

SECTION SCALE 1:

10

1004 3212

950

F

25

M20 BOLTS GR 8.8.

: ,+2/(6)25

350x350x22 THK PLATE

M20 BOLTS GR 8.8.

- 1900

- 100

70

80

80

80

IJ

M20 BOLTS GR 8.8.

- ,+2/(6)25

350x350x22 THK PLATE

M20 BOLTS GR 8.8.

- 1900

- 100

70

80

80

80

IJ

BRACING 60x60x6 L WITH MESH REF. 245 IN CENTER, IPE 160 1900 CAST ON 250 MICRON DPM

SECTION SCALE 1:

10

1004

3212

950

E

25

ISOLATION JOINT (I.J.)

ISOLATION JOINT FILLED WITH JOINTEX

MESH REF. 245 IN CENTER OF SLAB

APPROVED SAND MATERIAL

125mm THICK SURFACE BED (30MPa/19mm)

JEBEN BOLTS OR 8.8.

67 400x400 STUB COLUMN

ISOLATION JOINT (I.J.) FILLED WITH JOINTEX

MESH REF. 245 IN CENTER OF SLAB

APPROVED SAND MATERIAL

125mm THICK SURFACE BED (30MPa/19mm)
TYPICAL FLOOR PLAN: ENVIRO LOO (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.

REFERENCES

ANADARKO DRAWING NO. DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00895-01 COMMUNITY FACILITIES: BUS STOP: DETAILS OF TOILET FACILITIES SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-00108-01 COMMUNITY FACILITIES: BUS STOP: DETAILS OF TOILET FACILITIES SHEET 3 OF 3
EA-MZ-CI0100-WOR-E05-00895-03 TOILET FACILITIES SHEET 1 OF 3

FOR BUILDING SPECIFICATIONS AND DETAILS REFER TO ARCHITECTURAL DRAWING NO. EA-MZ-CI0100-WOR-E04-0091-01
FOR BUILDING SPECIFICATIONS AND DETAILS REFER TO STRUCTURAL ENGINEER'S DRAWING NO. WA-MZ-CI0100-WOR-E05-00016-01

WALL BRACKET
OUTLET VENTILATION PIPE
INSPECTION COVER
FLOOR SLAB
LINTELS

NOTE:
FOUNDATIONS AS PER STRUCTURAL ENGINEER'S DRAWING NO. WA-MZ-CI0100-WOR-E05-00016-01
1. SOAK AWAYS
1.1 USE PERFORATED DRAINAGE PIPES, WITH THE SLOTS/HOLES AT THE BOTTOM LAY IN TREDS OF A 150mm (5") DIAMETER OR SMALLER PIPING SYSTEM THAN 1:200. PERFORATED TYPICAL TUBE PIPES NOT ALLOWED.
1.2 THE LENGTH OF A SINGLE TRENCH SHOULD NOT EXCEED 30m.
1.3 WHERE INFLUENT MEET FLOW OUT DUE TO THE SLOPES OF, OR THE STRUCTURES FORMING THE WALLS (L), WHERE THE SITE IS TO BE EFFECT BY SUCH INFLUENT 15m (5"") IN WIDTH TO ACCOMMODATE THE SEPARATION OF THE WATERpipes.
1.4 WHERE THE LEVEL OF THE OUTER TUBES IS, OR SHOWN BE, SUCH AS TO PREVENT INFRINGE PERCOLATION.
1.5 NO SOAK AWAY SHALL BE CONSTRUCTED IF THE PERCOLATION RATE BECAUSE THE SITES TO BE EXPOSED TO SUSTAINABLE CONSTRUCTION.
1.6 SOAK AWAY TRENCHES SHOULD BE FILLED TO A LEVEL OF 50mm ABOVE THE PAYMENT LINE.
1.7 THE EXTERNAL TRENCHES SHOULD BE FILLED WITH CLEAN GRAVEL OR NEW GRAVEL, IF CLEAN GRAVEL IS NOT AVAILABLE, SOAK AWAY TRENCHES SHOULD, WHERE POSSIBLE, BE LOCATED DOWNHILL OF A WATER SOURCE SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION DOES NOT ALLOW FOR THE SOAK AWAY, THE LAND OWNER SHOULD BE INFORMED.
1.8 SOAK AWAY SHOULDN'T BE LOCATED 50m FROM THE WATER SOURCE SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION LIMITS, THE LAND OWNER SHOULD BE INFORMED.
1.9 SOAK AWAY TRENCHES SHOULD BE 750mm WIDE WITH AREAS OF AREAS OF TRENCHES.
1.10 THE SOAKING AWAY OF THE SOAK AWAY TRENCHES.
1.11 THE REMAINDER OF THE SOAK AWAY TRENCH CAN BE FILLED WITH BROKEN GRADE 1 STONE (20mm - 50mm).
1.12 LENGTH OF SOAK AWAY DETERMINED IN ACCORDANCE WITH SANS 0252-2 AND SANS 10400-P:2010.
1.13 PERCOLATION TESTS IN THE PROPOSED DRAIN FIELD SHOULDN'T BE LOCATED AT LEAST 3m FROM ANY BUILDING OR BOUNDARY OF A MINIMUM OF THREE PERCOLATION TESTS IN THE PROPOSED DRAIN FIELD.
1.14 SOAK AWAY TRENCHES SHOULD BE FILLED WITH BROKEN GRADE 1 STONE (20mm - 50mm).
1.15 THE SOAK AWAY TRENCHES SHOULDN'T BE LOCATED 50m FROM THE WATER SOURCE SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION LIMITS, THE LAND OWNER SHOULD BE INFORMED.
1.16 THE EXTERNAL TRENCHES SHOULD BE FILLED WITH CLEAN GRAVEL OR NEW GRAVEL, IF CLEAN GRAVEL IS NOT AVAILABLE, SOAK AWAY TRENCHES SHOULD, WHERE POSSIBLE, BE LOCATED DOWNHILL OF A WATER SOURCE SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION DOES NOT ALLOW FOR THE SOAK AWAY, THE LAND OWNER SHOULD BE INFORMED.
1.17 THE EXTERNAL TRENCHES SHOULD BE FILLED WITH CLEAN GRAVEL OR NEW GRAVEL, IF CLEAN GRAVEL IS NOT AVAILABLE, SOAK AWAY TRENCHES SHOULD, WHERE POSSIBLE, BE LOCATED DOWNHILL OF A WATER SOURCE SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION DOES NOT ALLOW FOR THE SOAK AWAY, THE LAND OWNER SHOULD BE INFORMED.
1.18 THE EXTERNAL TRENCHES SHOULD BE FILLED WITH CLEAN GRAVEL OR NEW GRAVEL, IF CLEAN GRAVEL IS NOT AVAILABLE, SOAK AWAY TRENCHES SHOULD, WHERE POSSIBLE, BE LOCATED DOWNHILL OF A WATER SOURCE SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION DOES NOT ALLOW FOR THE SOAK AWAY, THE LAND OWNER SHOULD BE INFORMED.
2. STRUCTURAL
2.1 ALL SEPTIC TANK EXCAVATION AREAS TO BE COMPACTED TO 95% MOD AQUATIC GRADING.
2.2 ALL FLOOR AND COVER SLABS TO BE REINFORCED WITH MESH REF. 888, PLACED AASHTO (MINIMUM).
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
AMA 1 RESSETTELMENT VILLAGE
COMMUNITY FACILITIES: BUS STOP, DETAILS OF SEPTIC TANK INSTALLATION SHEET 1 OF 3

WorleyParsons RSA (Pty) Ltd.
39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG
FAX: +27(0)11 218 3100
TEL: +27 (0)11 218 3000

1.1.1 CONSTRUCTION OF SOAK AWAYS:
1.1.2 SEPTIC TANK DESCRIPTION
1.1.3 PIPES SHOULD BE LAID ON CLEAN GRAVEL OR
1.1.4 THE LENGTH OF A SINGLE TRENCH SHOULD NOT EXCEED 30m.
1.1.5 THE REMAINDER OF THE SOAK AWAY TRENCH CAN BE FILLED WITH
1.1.6 SOAK AWAY TRENCHES SHOULD BE FILLED WITH CLEAN GRAVEL OR NEW GRAVEL, IF CLEAN GRAVEL IS NOT AVAILABLE, SOAK AWAY TRENCHES SHOULD, WHERE POSSIBLE, BE LOCATED DOWNHILL OF A WATER SOURCE SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION DOES NOT ALLOW FOR THE SOAK AWAY, THE LAND OWNER SHOULD BE INFORMED.
1.1.7 THE EXTERNAL TRENCHES SHOULD BE FILLED WITH CLEAN GRAVEL OR NEW GRAVEL, IF CLEAN GRAVEL IS NOT AVAILABLE, SOAK AWAY TRENCHES SHOULD, WHERE POSSIBLE, BE LOCATED DOWNHILL OF A WATER SOURCE SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION DOES NOT ALLOW FOR THE SOAK AWAY, THE LAND OWNER SHOULD BE INFORMED.
1.1.8 THE LENGTH OF A SINGLE TRENCH SHOULD NOT EXCEED 30m.
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1.1.10 THE SOAKING AWAY OF THE SOAK AWAY TRENCHES.
1.1.11 SOAK AWAY TRENCHES SHOULD BE FILLED TO A LEVEL OF 50mm ABOVE THE PAYMENT LINE.
1.1.12 LENGTH OF SOAK AWAY DETERMINED IN ACCORDANCE WITH SANS 0252-2 AND SANS 10400-P:2010.
1.1.13 PERCOLATION TESTS IN THE PROPOSED DRAIN FIELD SHOULDN'T BE LOCATED AT LEAST 3m FROM ANY BUILDING OR BOUNDARY OF A MINIMUM OF THREE PERCOLATION TESTS IN THE PROPOSED DRAIN FIELD.
1.1.14 SOAK AWAY TRENCHES SHOULD BE FILLED WITH BROKEN GRADE 1 STONE (20mm - 50mm).
1.1.15 THE SOAK AWAY TRENCHES SHOULDN'T BE LOCATED 50m FROM THE WATER SOURCE SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION LIMITS, THE LAND OWNER SHOULD BE INFORMED.
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<table>
<thead>
<tr>
<th>Plano do Reassentamento</th>
<th>Anexo I: Projecto de construção da aldeia de reassentamento</th>
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<tbody>
<tr>
<td>Rev. 1</td>
<td>Data da Rev: 27-Maio-16</td>
</tr>
</tbody>
</table>

4 CEMITÉRIO
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.

NOTES:
1. ALL DOORS WILL BE OF UMBILA OR EQUIVALENT WOOD QUALITY & APPROVED BY CLIENT.
2. ALL OF THE CASEMENT WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF INSIDE IN A 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 SITE PLAN.

Code: Codigo: 
Position: Localização: 
Qty: Qtd:

System: Sistema: 
Materials: 
TUBO DE ACERO DE 400X23MM \ REDE TUBULAR / 400X23 Hollow Steel Section + 
CHAV GLUE FRAME + VÁRIAS DE AÇO DE Ø18MM - ARMAGEM DA REDE / Ø18mm Solid Steel Section + 
CHAPE DE AÇO DE Ø16MM / 16mm Steel Sheet

Finishing: Acabamento: 
ZARÇAO / Zinc Phosphate Primer + Tinta Esmalte de Cor / Colour Enamel Paint

Ironmongery: Ferragens: 
4 PUXADES + 1 TRINÇA DE CULATRA PARA CADEADO DE 3" EM AÇO / 4 Steel Knobs + 1 Steel Tube Lock

Projeto: Seção: 
AMÁ 1 RESettlement Village

MOSAMBIQUE - Mapa de vãos

Drawings Description

Architectural:
EA-MZ-C10110-WOR-E04-000020-01

This drawing is to be read in conjunction with:

ISSUED FOR
CONSTRUCTION

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WorleyParsons RSA P/L

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Fax: +27 (11) 216 3225

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Signature:

Date:

Issued For Construction:

Rev.

Rev.

Rev.

Rev.

Cemetery - Mapa de vãos

Scale: A3± 1:50

DATE: NOV 2015

DRAWING NUMBER:

C09290-00-DL-P-0152-001

ANANDARKO

MOZAMBIQUE AREA 1, CLK

MESP

Anandarko Magamula Arquitetos, CLK

PROJECT

AMÁ 1 RESettlement Village

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CONSTRUCTION

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C09290-00-DL-P-0152-001

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Anandarko Magamula Arquitetos, CLK

PROJECT

AMÁ 1 RESettlement Village

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Signature:

Date:

Issued For Construction:
FOUNDATION LAYOUT

STRIP FOUNDATIONS REINFORCEMENT

SURFACE BED LAYOUT

TYPICAL CONSTRUCTION JOINT (C.J.)

ISOLATION JOINT (I.J.)

NOTES

SECTION

SCALE 1 : 25

SURFACE BED LAYOUT

SCALE 1 : 25

TYPICAL CONSTRUCTION JOINT (C.J.)

SCALE 1 : 18

ISOLATION JOINT (I.J.)

SCALE 1 : 18

SECTION

SCALE 1 : 25

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 for constitutes an infringement of copyright, and all rights are reserved.

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RESOURCES & ENERGY

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5 POSTO DE SAÚDE
PUBLIC PARKING
29 BAYS

FIG. 8B KERB

FIG. 3 KERB

FIG. 8B KERB

LEGEND
RM1 = 100 mm WIDTH
RTM1 = 500 mm WIDTH

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

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LEGENDA / LEGEND

01 CENTRO DE SAÚDE
HEALTH CLINIC

02 CASA MÃE ESPERA
PREGNANT MOTHER'S HOUSE

03 ÁREA DE SERVIÇOS
SERVICES AREA

04 LATRINAS
LATRINES

05 LIXO HOSPITALAR
HOSPITAL WASTE

NOTES

ISSUED FOR CONSTRUCTION

ARCHITECTURAL
EA-MZ-CI0100-WOR-E04-00050-01
EA-MZ-CI0100-WOR-E04-00095-01
EA-MZ-CI0100-WOR-E04-00096-01
EA-MZ-CI0100-WOR-E04-00097-01
EA-MZ-CI0100-WOR-E04-00098-01
EA-MZ-CI0100-WOR-E04-00099-01

STRUCTURAL
EA-MZ-CI0100-WOR-E05-00031-01

WATER
EA-MZ-CI0100-WOR-E05-00178-01
EA-MZ-CI0100-WOR-E05-00179-01
EA-MZ-CI0100-WOR-E05-00180-01

ELECTRICAL
EA-MZ-CI0100-WOR-E06-00091-01

PUBLIC PARKING

02

01

03

04

05

SCALE FOR REDUCED PLAN
10mm ISOLATION JOINT (I.J.)
SCALE 1:10

400mm x 400mm RC COLUMN
SCALE 1:10

150mm WIDE
ISOLATION JOINT
PLACED WITH JOINTS
SCALE 1:10

250x250 RC COLUMN
SCALE 1:10

5000x3000x300mm BASE
SCALE 1:10

SURFACE BED LAYOUT
SCALE 1:50

NOTE:
LEGEND : COLUMNS & BASES

730x250 STRIP FOOTING
SCALE 1:10

300x300mm COL, 1000x1000x300mm BASE
SCALE 1:10

200x200mm COL, 1000x1000x300mm BASE
TO LEVEL T.O.C. = 0.55m

THICKENING
SCALe 1:10

250 MICRON DPM ON APPROVED SAND MATERIAL

MESH REF. 245
OF SLAB

10mm ISOLATION JOINT
IN CENTRE

100mm SURFACE BED (30MPa/19mm)
WITH MESH REF. 245 IN CENTRE,
TYPICAL CONSTRUCTION JOINT (C.J.)
CAST ON 250 MICRON DPM
TO MINIMUM 93% MDD
TO BE COMPACTED
CONNECTIONS BY SPECIALIST
TIMBER POSTS AND
CONCRETE BEARING WALL
ABOVE OPENINGS
FILL BLOCKWORK
PRE-CAST LINTELS
WITH CONCRETE
BEARING WALL
ABOVE OPENINGS
200mm LOAD
STIFFENING
250 MICRON DPM ON APPROVED SAND MATERIAL
WITH MESH REF. 245
CONCRETE BEARING WALL
ABOVE OPENINGS
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WITH CONCRETE
BEARING WALL
ABOVE OPENINGS
200mm LOAD
STIFFENING
250 MICRO
RINGER BEAM AND SLAB LAYOUT

SECTION B

TYPICAL BEAM/WALL CONNECTION

SCALE 1: 100

CENTER SLAB DRAINAGE

SCALE 1 : 100

CENTER SLAB DRAINAGE

SCALE 1 : 100

RING BEAM AND SLAB LAYOUT

SCALE 1 : 100

CENTER SLAB DRAINAGE

SCALE 1 : 100

RING BEAM AND SLAB LAYOUT

SCALE 1 : 100

CENTER SLAB DRAINAGE

SCALE 1 : 100

RING BEAM AND SLAB LAYOUT

SCALE 1 : 100

CENTER SLAB DRAINAGE

SCALE 1 : 100

RING BEAM AND SLAB LAYOUT

SCALE 1 : 100

CENTER SLAB DRAINAGE

SCALE 1 : 100

RING BEAM AND SLAB LAYOUT

SCALE 1 : 100

CENTER SLAB DRAINAGE

SCALE 1 : 100
NOTES

COMMUNITY FACILITIES - ADMIN. CENTRE INTERNAL DRAINAGE CONNECTIONS

PUBLIC TOILET

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<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>4400mm - 87° VENTHORN BEND</td>
<td>No.</td>
<td>1</td>
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<tr>
<td>B</td>
<td>50mm VENT-CORR</td>
<td>No.</td>
<td>1</td>
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<tr>
<td>C</td>
<td>110 - 87° PLAIN BEND</td>
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<tr>
<td>D</td>
<td>110/200 PVC PIPE</td>
<td>in</td>
<td>3m</td>
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<tr>
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<td>3m</td>
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<tr>
<td>C</td>
<td>50mm ND PVC PIPE</td>
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<td>3m</td>
</tr>
<tr>
<td>D</td>
<td>DRAIN GULLEY COMPLETE</td>
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<td>1</td>
</tr>
<tr>
<td>E</td>
<td>87° PLAIN BEND</td>
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COMMUNITY FACILITIES - ADMIN. CENTRE WATER SUPPLY

ADMIN. BUILDING

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<th>DESCRIPTION</th>
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<td>A</td>
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<th>DESCRIPTION</th>
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TOILETS:

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>STRAIGHT COUPLER, COPPER TO MALE CONN.</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>KITCHEN SINK/ HAND WASH BASIN / SHOWER</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>WALL PLATE ELBOW TAP CONNECTOR COPPER TO FEMALE CONN.</td>
<td>No.</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>15mm COPPER PIPE</td>
<td>m</td>
<td>8m</td>
</tr>
<tr>
<td>B</td>
<td>20mm ND HOPE PIPE</td>
<td>m</td>
<td>10m</td>
</tr>
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</table>

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS.
### Community Facilities - Admin. Centre 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>110/305mm - 87º F VENT BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>50mm VENT CORR</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>110 - 87º F PLAIN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>110/100mm PVC PIPE</td>
<td>m</td>
<td>3m</td>
</tr>
<tr>
<td>5</td>
<td>110/305mm - 87º F VENT BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>50mm VENT CORR</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>110 - 87º F PLAIN BEND</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>110/100mm PVC PIPE</td>
<td>m</td>
<td>3m</td>
</tr>
</tbody>
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### Drain Gully Complete
- No. 1

### Trap
- No. 1
- No. 1
- No. 1

### 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>
<td>1</td>
<td>20mm/15mm HDPE/COPPER ADAPTOR</td>
<td>No.</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>90º ELBOW - COPPER</td>
<td>No.</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>TOILETS: STRAIGHT COUPLER, COPPER TO MALE CONNECTION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>KITCHEN SINK/HAND WASH BASIN/SHOWER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>WALL PLATE ELBOW TAP CONNECTOR COPPER TO FEMALE CONNECTION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>15mm COPPER PIPE</td>
<td>m</td>
<td>8m</td>
</tr>
<tr>
<td>7</td>
<td>20mm HDPE PIPE</td>
<td>m</td>
<td>10m</td>
</tr>
</tbody>
</table>

**Notes:**
- 5/8-87º F PLAIN BEND
- 50mm PVC PIPE
- 110 mm PVC PIPE
- 50mm VENT CORR
- 110 mm PVC PIPE

**Legend:**
- 15mm COPPER PIPE
- 20mm HDPE PIPE
- 20mm/15mm HDPE/COPPER ADAPTOR
- 90º ELBOW - COPPER
- ISOLATING VALVE
- CONCRETE HOLLOW BLOCK WALL
- PLAN - EXPECTING MOTHERS TOILETS
COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

ADMIN. BUILDING

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>25mm/15mm HDPE / COPPER ADAPTOR</td>
<td>No.</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>90° ELBOW - COPPER</td>
<td>No.</td>
<td>6</td>
</tr>
<tr>
<td>C</td>
<td>TOILETS:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>STRAIGHT COUPLER, COPPER TO MALE CONN.</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>KITCHEN SINK/HAND WASH BASIN / SHOWER</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>WALL PLATE ELBOW TAP CONNECTOR.COPPER TO FEMALE</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>E</td>
<td>15mm COPPER PIPE</td>
<td>m</td>
<td>7m</td>
</tr>
<tr>
<td>F</td>
<td>20mm HDPE PIPE</td>
<td>m</td>
<td>10m</td>
</tr>
</tbody>
</table>

REFERENCE DRAWINGS

COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL.

PLAN - EXPECTING MOTHERS HOUSE

1:50

TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

NTS

INTERNAL RETICULATIONS

EXPECTING MOTHERS - HOUSE - INTERNAL DRAINAGE CONNECTIONS

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>20mm HDPE PIPE</td>
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<td>2m</td>
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<tr>
<td>B</td>
<td>15mm COPPER PIPE</td>
<td>m</td>
<td>7m</td>
</tr>
<tr>
<td>C</td>
<td>20mm/15mm HDPE / COPPER ADAPTOR</td>
<td>No.</td>
<td>3</td>
</tr>
<tr>
<td>D</td>
<td>90° ELBOW - COPPER</td>
<td>No.</td>
<td>6</td>
</tr>
<tr>
<td>E</td>
<td>TOILETS:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>STRAIGHT COUPLER, COPPER TO MALE CONN.</td>
<td>No.</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>KITCHEN SINK/HAND WASH BASIN / SHOWER</td>
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<td></td>
<td>WALL PLATE ELBOW TAP CONNECTOR.COPPER TO FEMALE</td>
<td>No.</td>
<td>2</td>
</tr>
<tr>
<td>G</td>
<td>15mm COPPER PIPE</td>
<td>m</td>
<td>7m</td>
</tr>
<tr>
<td>H</td>
<td>20mm HDPE PIPE</td>
<td>m</td>
<td>10m</td>
</tr>
</tbody>
</table>
PLANTA DE ESTRUTURA DE COBERTURA

1:100

ESTE DESENHO É PARA SER LIDO EM 50mm ON ORIGINAL DRAWING

PLANTA DE COBERTURA

1:100

PLANTA DE COBERTURA

1:100
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.
**PAVIMENTOS / FLOORING**

**F1**  
Porcelain encaustic mosaic clipper, model Zetes, reference 50x50cm dimensions.

**F2**  
Porcelain encaustic mosaic clipper, model Galene, reference 33x33cm dimensions.

**F3**  
Porcelain encaustic mosaic clipper, model Matos, reference 33x33cm dimensions.

**F4**  
Porcelain encaustic mosaic clipper, model Mosan, reference 33x33cm dimensions.

**TECTOS / ROOFING**

**T1**  
Painted with enamel paint. 50x50cm dimensions.

**T2**  
Painted with enamel paint. 33x33cm dimensions.

**RODAPÉS / BASEBOARDS**

**R1**  
Porcelain encaustic mosaic clipper, model Zetes, reference 50x50cm dimensions.

**R2**  
Porcelain encaustic mosaic clipper, model Galene, reference 33x33cm dimensions.
b) Compact the base of the excavation to 93% MDD

c) Excavate down to a minimum depth of 1.25m.

d) The bearing pad should extend to at least 50% of the maximum dry density (MDD) to form a bearing pad to construct the concrete compacted to 95% MDD.

The backfill is to be excavated out, less the clay rich component, and at the base of the excavation are to be removed and

Alcado 04

Alcado 03

Alcado 01

ELEVATION 03

ELEVATION 02

ELEVATION 01

PLANTA DE PISO MOBILADA

EQUIPMENT PLAN 1:50
1. **PLANTA DE COBERTURA**

   **ROOF PLAN**

   **SCALE**: 1:100

2. **PLANTA DE ESTRUTURA DE COBERTURA**

   **STRUCTURE ROOF PLAN**

   **SCALE**: 1:50

---

**NOTES**

- **ARCHITECTURAL**
- **STRUCTURAL**
- **ELECTRICAL**
- **MECHANICAL**
- **CIVIL**

**ISSUED FOR CONSTRUCTION**
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.
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.
### Structural Details

#### Area of Service

**D挖孔来形成承载平台来构建混凝土基础。**

#### Foundation Construction

- **a)** 挖掘至最小深度1.25m。
- **b)** 将基坑底部密实度至93% (MDD)。
- **c)** 使用重型平板型压实机对开挖区进行压实。
- **d)** 基础垫片至少延伸50%。
- **e)** 混凝土基础可能在原图基础上进行建设。

#### Clay Rich Material Replacement

- **a)** 如遇到膨润土丰富的材料，应使用原位土替换。
- **b)** 对开挖区底部的原位土进行移除并用不粘性材料替换。
Total Area for sidewalk pavement: approx. 1097 m²
1. Enviro Loo suitable for industrial use. Capacity per Enviro Loo, 20 to 40 users per day.
2. Enviro Loo to be installed in accordance with manufacturer's specifications.

**References**

- ANADARO DRAWING NO. EA-MZ-CI0100-WOR-E05-00195-01
  COMMUNITY FACILITIES: CLINIC: DETAILS OF TOILET FACILITIES SHEET 1 OF 3
- ANADARO DRAWING NO. EA-MZ-CI0100-WOR-E05-00195-03
  COMMUNITY FACILITIES: CLINIC: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
- ANADARO DRAWING NO. EA-MZ-CI0100-WOR-E05-00109-01
  COMMUNITY FACILITIES: CLINIC: INTERNAL RETICULATIONS

**Design Details**

- **Enviro Loo:**
  - Suitable for industrial use.
  - Capacity per Enviro Loo, 20 to 40 users per day.

- **Installations:**
  - Follow manufacturer's specifications.

**Construction Notes:**

- Refer to architectural drawing no. EA-MZ-CI0100-WOR-E04-0091-01 for building specifications and details.
- Refer to structural engineer's drawing no. WA-MZ-CI0100-WOR-E05-00016-01 for foundations.

**Details:**

- **Walls:**
  - 110mm solid wall
  - 50mm emergency overflow outlet

- **Inspection Covers:**
  - 110 x 50mm reducing junction
  - 2270mm wide

- **Floors:**
  - TYPICAL FLOOR PLAN: ENVIRLO LOO (SCHEMATIC)
  - Scale 1:25

- **Air Extractor:**
  - Wall bracket
  - Outlet ventilation pipe

- **General:**
  - All dimensions must be verified on site before work commences.
  - Refer any discrepancies to the Engineer.

**References:**

- ANADARO DRAWING NO. EA-MZ-CI0100-WOR-E05-00195-01
  COMMUNITY FACILITIES: CLINIC: DETAILS OF TOILET FACILITIES SHEET 1 OF 3
- ANADARO DRAWING NO. EA-MZ-CI0100-WOR-E05-00195-03
  COMMUNITY FACILITIES: CLINIC: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
- ANADARO DRAWING NO. EA-MZ-CI0100-WOR-E05-00109-01
  COMMUNITY FACILITIES: CLINIC: INTERNAL RETICULATIONS
1. **SOAK AWAYS**

1.1 CONSTRUCTION OF SOAK AWAYS:

1.1.1 LB PERFORATED DRAINAGE PIPES WITH THE SLIDERS AT THE BOTTOM LAY IN TRENCHES OF A UNIFORM GRADIENT NOT STEEPER THAN 1:190. PERFORATED 'FLEXICOIL' TYPE PIPE IS NOT ALLOWED.

1.1.2 THE LENGTHS OF A SOAK AWAY TRENCH SHOULD BE BETWEEN 3600 MIN AND 5400 MAX. PERFORATED DRAINAGE PIPE MUST COMPLY WITH SANS 1882:2003 OR SIMILAR APPROVED.

1.1.3 BOB TRENCHES (IBANDA) SHALL BE FILLED WITH GEOTEXTILE MEMBRANE (SEE NOTE 2.4).

1.1.4 THE REMAINDER OF THE SOAK AWAY TRENCH CAN BE FILLED WITH BROKEN GRADE 1 STONE (20mm - 50mm).

1.1.5 NO SOAK AWAY SHALL BE CONSTRUCTED:

a) AGAINST ANY BUILDING OR STRUCTURE WITHOUT PERMISSION OF THE ENGINEER.

b) NEAR ANY BUILDING OR STRUCTURE WHERE ITS FOUNDATIONS COULD BE ADVERSELY AFFECTED BY ITS CONSTRUCTION AND USE.

c) WITHIN 2M OF ANY MAINSTREAM OR SPRING WHERE LOCATION SCREENER DATA INDICATES THE SOIL IS UNCONSOLIDATED OR CONSISTS OF UNCONSOLIDATED SOILS SUCH AS SAND, SANDSTONE OR SAND DRAINS, OR THE SOIL IS SUCH AS TO BE UNCONSOLIDATED OR CONSISTS OF UNCONSOLIDATED SOILS SUCH AS SAND, SANDSTONE OR SAND DRAINS, OR THE SOIL IS SUCH AS TO BE UNCONSOLIDATED OR CONSISTS OF UNCONSOLIDATED SOILS SUCH AS SAND, SANDSTONE OR SAND DRAINS.

1.1.6 A SOAK AWAY SHALL:

a) BE CONSTRUCTED SO THAT IT IS LOCATED NEAR TO THE POSSIBLE POINT OF SOURCE OF POLLUTION.

b) BE FAIRED IN SUCH A WAY THAT THE FOUNDATIONS OF ADJACENT BUILDINGS ARE NOT ADVERSELY AFFECTED BY ITS CONSTRUCTION.

c) BE SO POSITIONED THAT THE FOUNDATIONS OF ADJACENT BUILDINGS ARE NOT ADVERSELY AFFECTED BY ITS CONSTRUCTION.

1.1.7 THE SOAK AWAY AND ASSOCIATED DRAINAGE MUST COMPLY WITH DEEPENING SLOWLY AS ITS DISTANCE FROM A SOAK AWAY INCREASES, EXCEPT IN AREAS WITH FISSURED ROCK, LIMESTONE OR VERY COARSE SAND. SOAK AWAY DRAINS SHOULD, WHERE POSSIBLE, BE LOCATED DOWNHILL OF A WATER SOURCE.

1.1.8 LENGTH OF SOAK AWAY DETERMINED IN ACCORDANCE WITH SANS 10400-P:2010.

1.1.9 THE SUSCEPTIBILITY OF A WATER SOURCE TO POLLUTION DECREASES SHARPLY AS ITS DISTANCE FROM A SOAK AWAY INCREASES, EXCEPT IN AREAS WITH FISSURED ROCK, LIMESTONE OR VERY COARSE SAND. SOAK AWAY DRAINS SHOULD, WHERE POSSIBLE, BE LOCATED DOWNHILL OF A WATER SOURCE.

1.1.10 THE AREA OF THE SOAK AWAY IS CALCULATED AFTER CARRYING OUT A MINIMUM OF THREE PERCOLATION TESTS IN THE PROPOSED DRAIN FIELD AREA. THREE CONSECUTIVE TESTS ARE REQUIRED TO DETERMINE THE AREAS ATTACHABLE TO THE SOAK AWAY.

1.1.11 SOAK AWAY SHOULDN'T BE CONSTRUCTED ALONG THE CONTOUR OF THE SOIL SURFACE.

1.1.12 LENGTHS OF SOAK AWAY DETERMINED IN ACCORDANCE WITH SANS 10400-P:2010.

1.1.13 NO SOAK AWAY SHALL BE CONSTRUCTED:

a) WHERE THE LEVEL OF THE WATER TABLE IS, OR MIGHT BE, SUCH AS TO PREVENT INFILTRATION;

b) WHEREIN THE SOAK AWAY IS LOCATED NEAR TO ANY WATER SOURCE WHICH IS USED OR IS LIKELY TO BE USED, OR IS SUSCEPTIBLE TO POLLUTION DECREASES SHARPLY AS ITS DISTANCE FROM A SOAK AWAY INCREASES, EXCEPT IN AREAS WITH FISSURED ROCK, LIMESTONE OR VERY COARSE SAND.

1.1.14 THE WIDER THE SOAK AWAY TRENCH, THE MORE WATER IT CAN HARNESS.

1.1.15 SOAK AWAY TRENCHES SHOULD BE LAID ON CLEAN GRAVEL OR BROKEN GRADE 1 STONE (20mm - 50mm).

1.1.16 USE PERFORATED DRAINAGE PIPES, WITH THE SLOTS/HOLES AT THE BOTTOM, LAY IN TRENCHES OF A UNIFORM GRADIENT NOT STEEPER THAN 1:200. PERFORATED 'FLEXICOIL' TYPE PIPE IS NOT ALLOWED.

1.1.17 THE BLACK AREA OF THE SOAK AWAY TRENCH CAN BE FILLED WITH GEOTEXTILE MEMBRANE (SEE NOTE 2.4).

1.1.18 THE SOAK AWAY TRENCHES SHOULD BE TAINED WITH GEOTEXTILE MEMBRANE (SEE NOTE 2.4).

2. **STRUCTURAL**

2.1 ALL SEPTIC TANK EXCAVATION AREAS TO BE COMPACTED TO 93% MOD.

2.2 ALL FLOOR AND COVER SLABS TO BE REINFORCED WITH GEOTEXTILE MEMBRANE (SEE NOTE 2.4).

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).

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

2.6 ALL SEPTIC TANK EXCAVATION INVERTS TO BE COMPACTED TO 93% MOD. THE LENGTH OF SOAK AWAY DETERMINED IN ACCORDANCE WITH SANS 10400-P:2010.

2.7 THE SUSCEPTIBILITY OF A WATER SOURCE TO POLLUTION DECREASES SHARPLY AS ITS DISTANCE FROM A SOAK AWAY INCREASES, EXCEPT IN AREAS WITH FISSURED ROCK, LIMESTONE OR VERY COARSE SAND.

2.8 LENGTHS OF SOAK AWAY DETERMINED IN ACCORDANCE WITH SANS 10400-P:2010.
1. Enviro Loo suitable for industrial use, capacity per Enviro Loo, 20 to 40 users per day.

2. Enviro Loo to be installed in accordance with manufacturer's specifications.

Note:
- Foundations as per structural engineer's drawing no. WA-MZ-CI0100-WOR-E05-00016-01.
- For building specifications and details, refer to architectural drawing no. EA-MZ-CI0100-WOR-E04-0091-01.

References:
- Enviro Loo installation sheet 3 of 3
- Sanitation layout sheet 1 of 3
- Expecting mother's house: toilets, internal reticulations

For septic tank:
- Details of septic tank refer to drawing no. EA-MZ-CI0100-WOR-E05-00497-03.
- To septic tank for soak away details, refer to drawing no. EA-MZ-CI0100-WOR-E05-00497-01.
- For position and layout of septic tank refer to drawing no. EA-MZ-CI0100-WOR-E05-00497-01.

Details of toilet facilities
- Sheet 2 of 3

Scale 1:25
- Typical floor plan: Enviro Loo (schematic)