20. SCHOOL STAFF HOUSING
Steel wire fencing Ø2mm with spacing between Ø75 steel security 1830mm high 7 hole posts (600mm below NGL) to architect specs

Walkway in "PolyCem polymer" or similar, colour to

Steel diamond mesh gate single leaf to architect specs
Legenda

Key
1. Jato de pavimento em betão
Concrete slab
2. Acabamento do pavimento em cimento queimado
Concrete floor to have power float finish
3. Riolage em beedinha lex, pintado a tinta esmaltada com h=100mm
Painted concrete skirting
4. Alvenaria em blocos vazados com espessura com capa de 100mm
Walls in hollow block 100mm wide
5. Alvenaria em blocos vazados com espessura de 100mm
Walls in hollow block 100mm wide
6. Parede com reboco liso, pintada a tinta plástica
Wall with plain plaster and PVA paint
7. Viga de concreto em betão armado
Concrete ring beam
8. Blocos ventiladores com rede mosquiteira sintética
Vent blocks with mosquito net
9. Cobertura em chapas metálicas esmaltadas com perfil IBR com bainhas com 405 rotação inadaptada
Enamelled metal roof sheathing with IBR profile on graded SA pine battens with drainage 405 roof underlay fixed to prefabricated roof trusses
10. Cuneação em chapas esmaltadas
Enamelled sheet ridge cap
11. Tecto falso em placas de gesso cartonado pintado a tinta plástica sob estrutura de madeira
Fiber cement NUTEC soffit board
12. Tecto falso NUTEC em fibra de cimento
Concrete verandah slab
13. Lintel em betão armado
Concrete lintel
14. Pilar em madeira tratada
Treated timber column
15. Base do pilar em betão, pintado a tinta plástica
Concrete column base, painted with washable PVA paint
16. Jato de pavimento da varanda
Concrete verandah slab

NOTES

Este desenho é para ser lido em conjunto com:

Cozinha
Sala
Varanda
Quarto
Bedroom
Kitchen

Nível da Viga / Beam Level
+3.05

Nível da Cobertura / Ridge Level
+4.75

Para pormenores de cobertura consultar desenhos do respectivo fabricante.
For roof details refer to manufacturer’s drawings.
CONSTRUCTION OF SOAK AWAYS:

1.1.1.1 Use perforated drainage pipe with the slits/cavities at the bottom, lay in trenches of a uniform gradient set steeper than 1:200. Perforated types pipe is not allowed.
1.1.1.2 The length of a single trench should not exceed 300m.

1.1.5.1 By the pipe and covered with a layer of geotextile membrane to prevent entry of fines.
1.1.5.2 The remainder of the soak away trench can be filled with clean gravel or clean fill.

SOAK AWAYS

1.1.1.6 Soak away trenches shall be filled with clean fill or clean gravel. All soak away trenches must comply with SANS 0252-2 and SANS 10400-P:2010.
1.1.1.7 The area of the soak away is calculated after carrying out a minimum of five precipitation tests in the proposed drain field area over three consecutive days and applying a formula as indicated in SANS 10400-P:2010.
1.1.1.8 Drainage trenches shall be 700mm wide with areas of unpaved ground behind the soak away extended parallel to and between parallel trenches.
1.1.1.9 A soak away shall:
   a) be constructed well drained muddy by the addition of clean fill or clean gravel to a maximum of 1:200. Perforated 'FLEXICOIL' type pipe is not allowed.
   b) be positioned such that the depressions of adjacent soakaways are not adversely affected by its discharge, and
   c) be set back from permanent buildings or boundaries of the site by at least 3m from any building or boundary of the site on which it is situated.

CONSTRUCTION OF SOAK AWAYS:

1.1.1.10 The susceptibility of a water source to pollution decreases rapidly as its distance from a soak away increases, except in areas of heavy urban development, heavy industrial or agricultural development and areas of high imperviousness.
1.1.1.11 Soak away shields preferably be constructed along the contour of the soil surface.
1.1.1.12 Length of soak away to be determined in accordance with SANS 10400-P.

2. STRUCTURAL

2.1 All Septic tank excavation events to be compacted to K3 - MODerate strength compacted.
2.2 All floor and cover slabs to be reinforced with mesh reinforcement placed in center of slab.
2.3 Concrete strength requirements at 28 days: 20 Mpa.
2.4 All 200x200 block work to be filled with concrete (20 Mpa nominal).
GATE SCHEDULE/ Mapa de vãos: Portão

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

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

Code: C00290-00-AR-DRD-0140-003

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL
EA-MZ-C0100-WOR-E04-01526-01
EA-MZ-C0100-WOR-E05-00050-01

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

**Vidros:**
- 3mm CLEAR GLASS

**Ironmongery**
- Electroplated 10 mm ROUND B/Bars

**Finish**
- Paint Floor Level
  - 1 COAT PRIMER, 1 COAT UNDERCOAT, AND 2 COATS PLASCON

**Frame**
- Wood Frame to Manufacturers Specs

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

**NOTES:**
1. All doors will be of cabinetry 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 & wedge in satin chrome finish.
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.

**Scale:**
- 1:50
DOOR SCHEDULE/ Mapa de vãos: Portas

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

**Code:**
- **D1**
  - **Position:** Livingroom
  - **Qty:** 1

**Frame:**
- **Aro:** WOOD FRAME TO MANUFACTURERS SPECS
- **Acabamentos:** SEMI SOLID SLATTED TIMBER DOOR
- **Ironmongery:** 102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR
- **Glazing Notes:** 3 COATS CLEAR VARNISH

**Code:**
- **D2**
  - **Position:** Internal Door
  - **Qty:** 1

**Frame:**
- **Aro:** WOOD FRAME TO MANUFACTURERS SPECS
- **Acabamentos:** SEMI SOLID SLATTED TIMBER DOOR
- **Ironmongery:** 102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR
- **Glazing Notes:** 3 COATS CLEAR VARNISH
21. URBAN PLANNING
### Original Drawing Information

**Drawing Number:** Anadarko Drawing Number
- EA-MZ-CI000-WOR-E04-00044-02
- C00290-00-TP-DAL-0003-005

**Scale:** December 2015

**Reference DWG's No:**
1. EA-MZ-CI000-WOR-E04-00044-01
2. EA-MZ-CI000-WOR-E04-00078-01

**PLOTS FOR FUTURE EXPANSION**

### Diagram Details

#### Property Numbers and Erf Sizes

<table>
<thead>
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#### Legend

- PLOTS WITH HOUSES
- PLOTS WITH EMPTY STANDS
- PLOTS WITH OPEN SPACES
- PLOTS WITH STAFF HOUSES
- PLOTS WITH PUBLIC BUILDINGS

### Client Information

- **Client:**
- **Local PR Eng:**
- **Project Eng:**
- **Design:**
- **Check:**
- **Drawn By:**

### Dates

- **04/08/15:** Issued for Internal Review
- **12/08/2015:**
  - Pr. No. 201170110
  - L. Padayachee
- **12/08/15:**
  - Pr. No. 201170110
  - A.U. J.M.A
- **11/09/15:** Issued for Squad Check
- **30/09/15:** Issued for Client Review
- **25/11/15:**
  - A.U.
  - D. Du Toit
- **25/11/15:**
  - A.U.
  - D. Du Toit
- **12/08/15:**
  - Pr. No. 201170110
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- **12/08/15:**
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  - D. Du Toit
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  - A.U.
  - D. Du Toit
- **11/09/15:**
  - A.U.
  - D. Du Toit
- **30/09/15:**
  - A.U.
  - D. Du Toit
- **25/11/15:**
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22. VILLAGE CENTRE