



**NOTES**

REFER TO STRUCTURAL GENERAL NOTES  
EA-MZ-CI000-WOR-B18-00001-01

REFER TO REINFORCEMENT DRAWING  
EA-MZ-CI0100-WOR-E04-00012-01

REFER TO BENDING SCHEDULE 34  
ON DRAWING EA-MZ-CI0100-WOR-E05-00065-01

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NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	18/09/15	TS	NR	ISSUED FOR INTERNAL REVIEW
B	21/09/15	TS	NR	ISSUED FOR DETAIL DESIGN
C	21/09/15	TS	NR	ISSUED FOR SQUAD CHECK
D	29/09/15	TS	NR	ISSUED FOR CLIENT REVIEW
E	17/11/15	TS	NR	ISSUED FOR CLIENT APPROVAL
0	03/12/15	TS	NR	ISSUED FOR CONSTRUCTION

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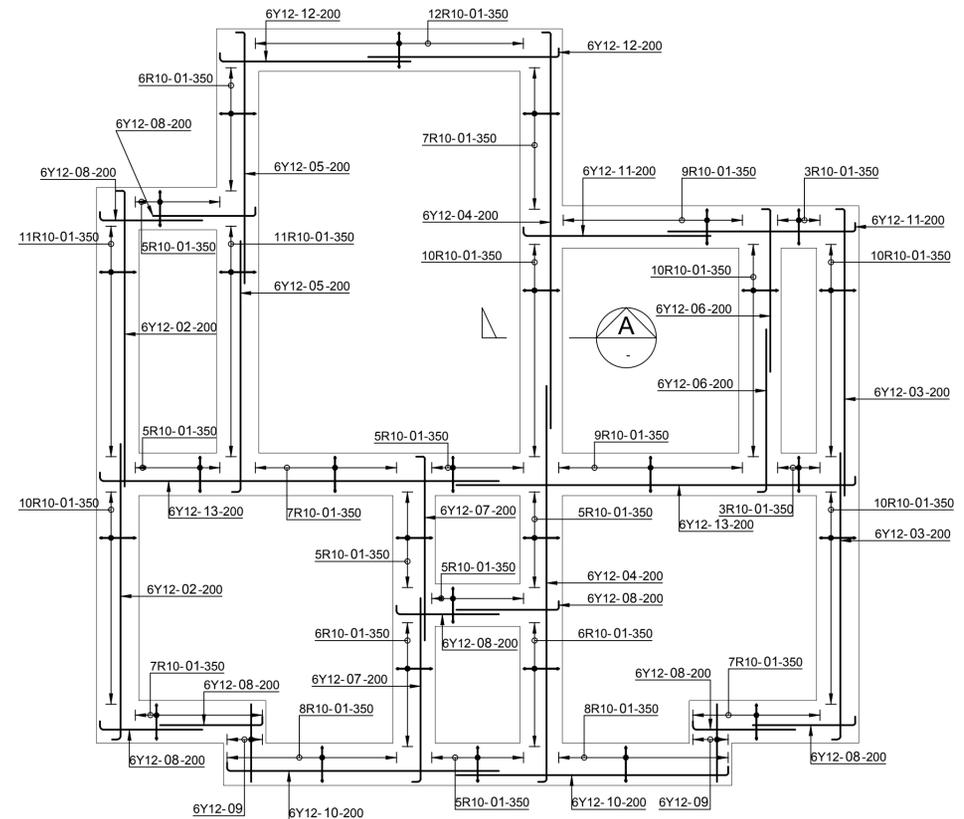
NAME	SIGNATURE	DATE
DRAWN BY: N ROBINSON	<i>N Robinson</i>	03/12/15
CHECKED: T SNYDERS	<i>T Snyder</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snyder</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		

Moçambique Área 1, Lda

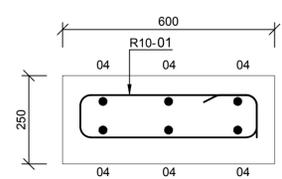
PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**HEALTH CENTER:  
CLINIC STAFF HOUSE  
REINFORCEMENT  
LAYOUT**

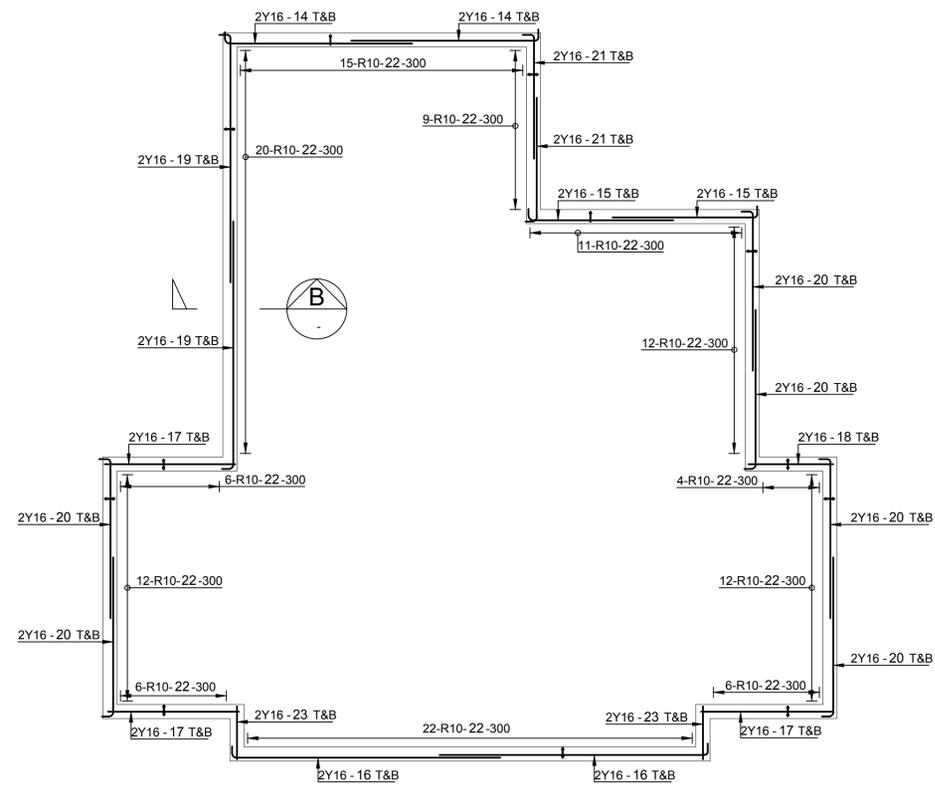
SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DEC 2015
DRAWING NUMBER C00290-00-ST-DAL-0045-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00015-01	



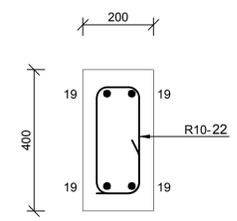
**STRIP FOUNDATIONS  
REINFORCEMENT**  
SCALE 1 : 50



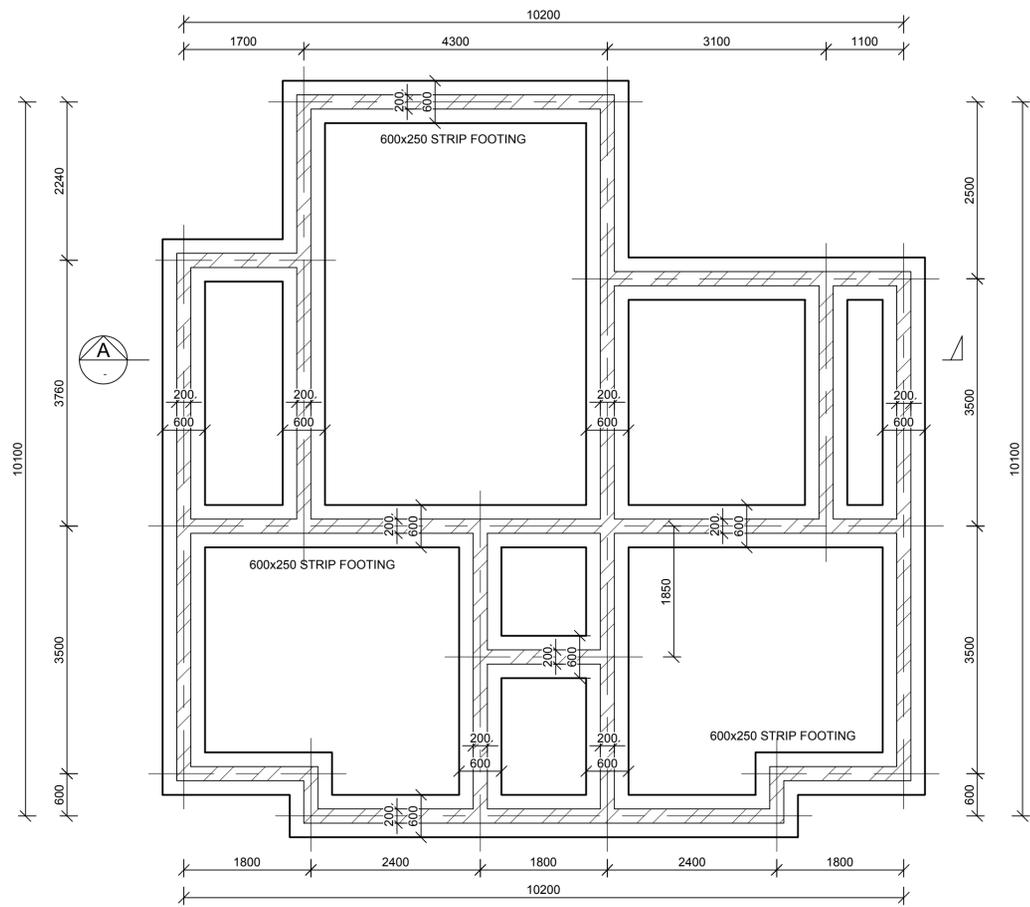
**SECTION A**  
SCALE 1: 10



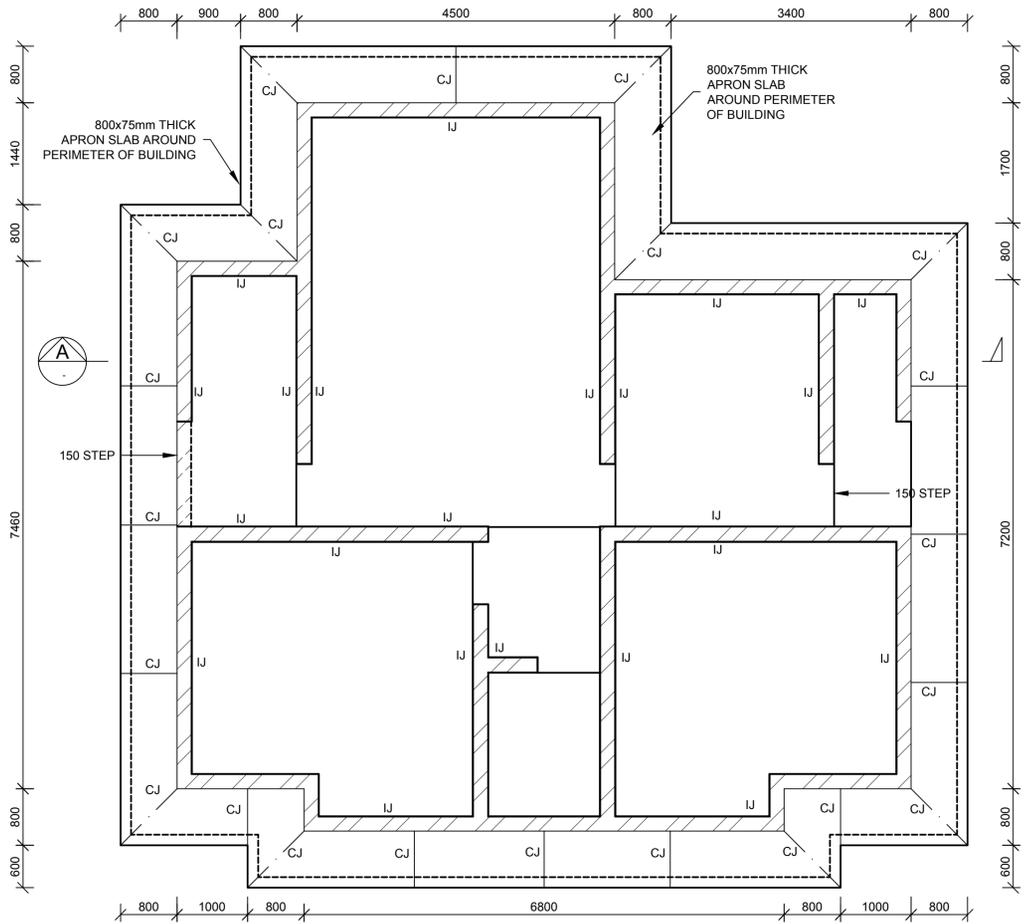
**RING BEAMS  
REINFORCEMENT**  
SCALE 1 : 50



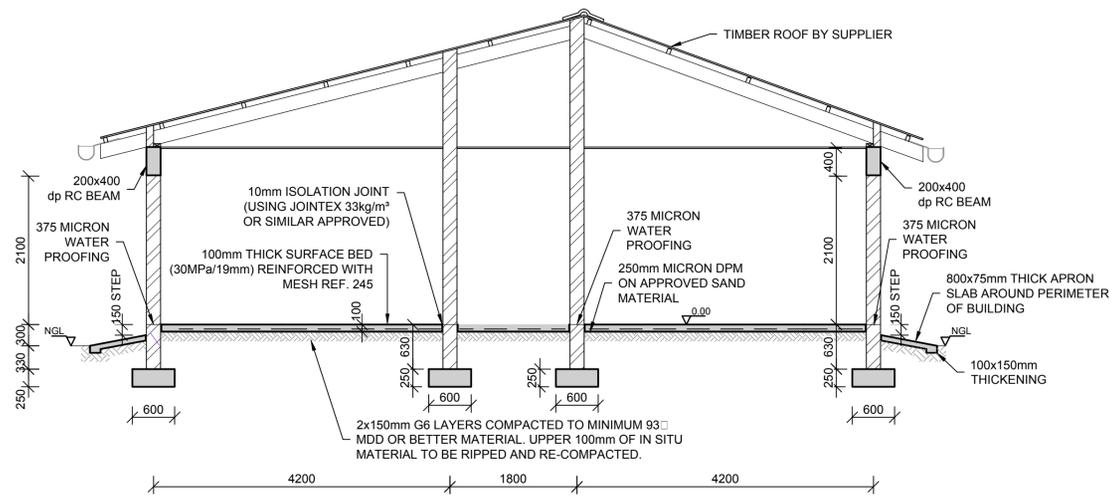
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SCALE 1: 10



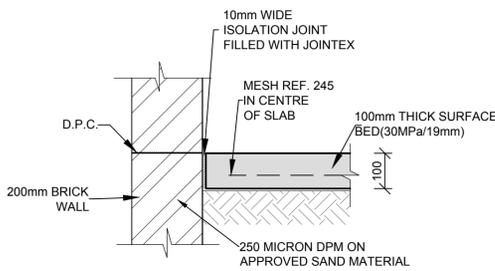
FOUNDATION LAYOUT  
SCALE 1:50



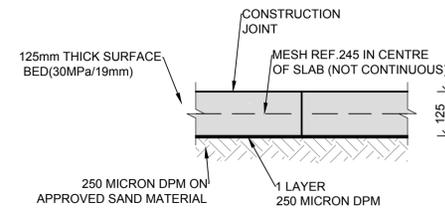
SURFACE BED LAYOUT  
SCALE 1:50



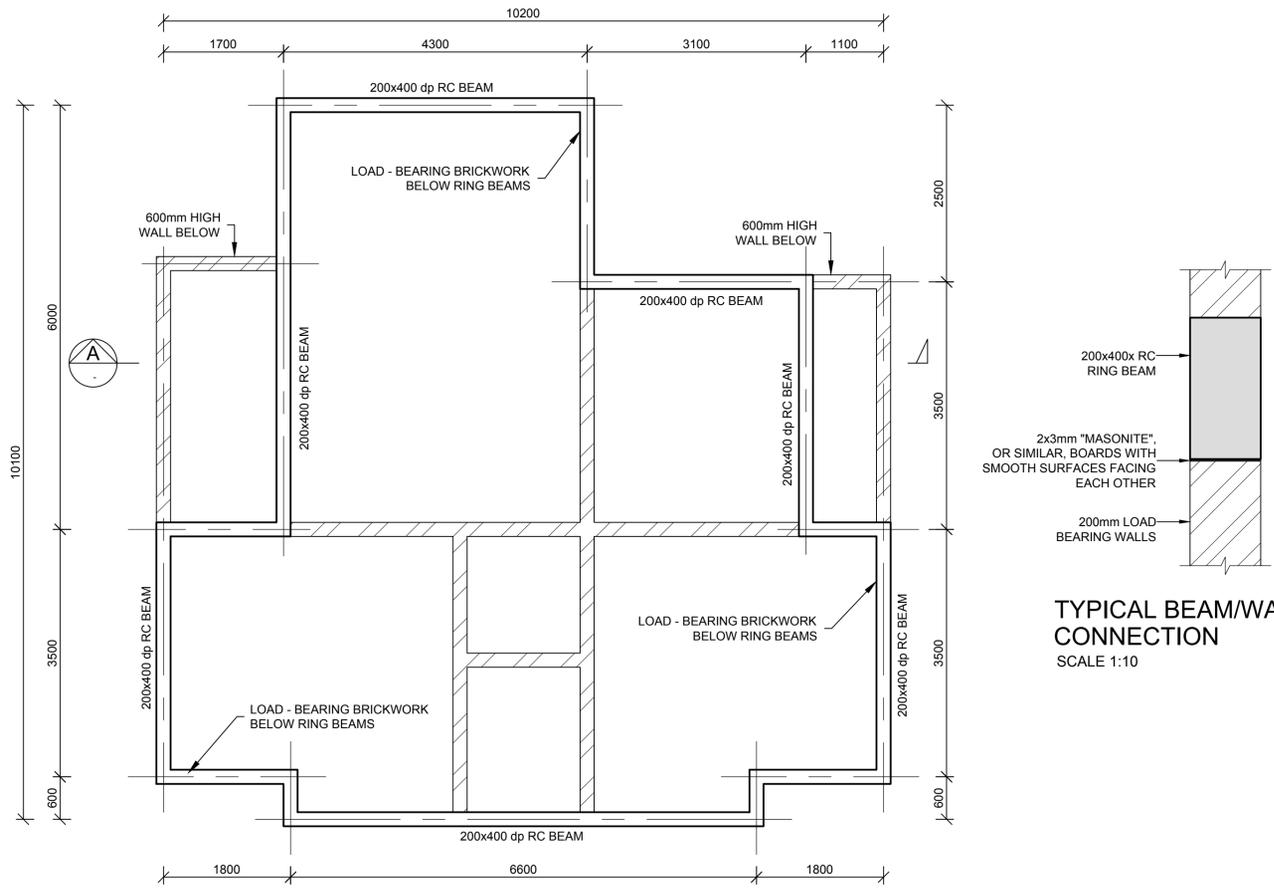
SECTION A  
SCALE 1:50



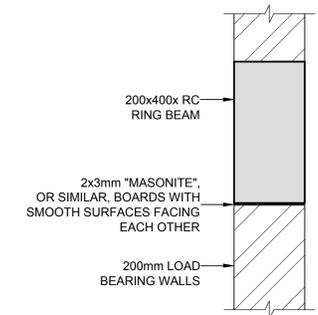
ISOLATION JOINT (I.J.)  
SCALE 1:10



TYPICAL CONSTRUCTION JOINT (C.J.)  
SCALE 1:10



RING BEAM LAYOUT  
SCALE 1:50



TYPICAL BEAM/WALL CONNECTION  
SCALE 1:10



NOTES

REFER TO STRUCTURAL GENERAL NOTES  
EA-MZ-CI000-WOR-B18-00001-01  
REFER TO REINFORCEMENT DRAWING  
EA-MZ-CI0100-WOR-E05-00015-01

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NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	17/09/15	TS	NR	ISSUED FOR INTERNAL REVIEW
B	21/09/15	TS	NR	ISSUED FOR DETAIL DESIGN
C	21/09/15	TS	NR	ISSUED FOR SQUAD CHECK
D	29/09/15	TS	NR	ISSUED FOR CLIENT REVIEW
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0	03/12/15	TS	NR	ISSUED FOR CONSTRUCTION



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CHECKED: T SNYDERS	<i>T Snymers</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snymers</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		

CLIENT



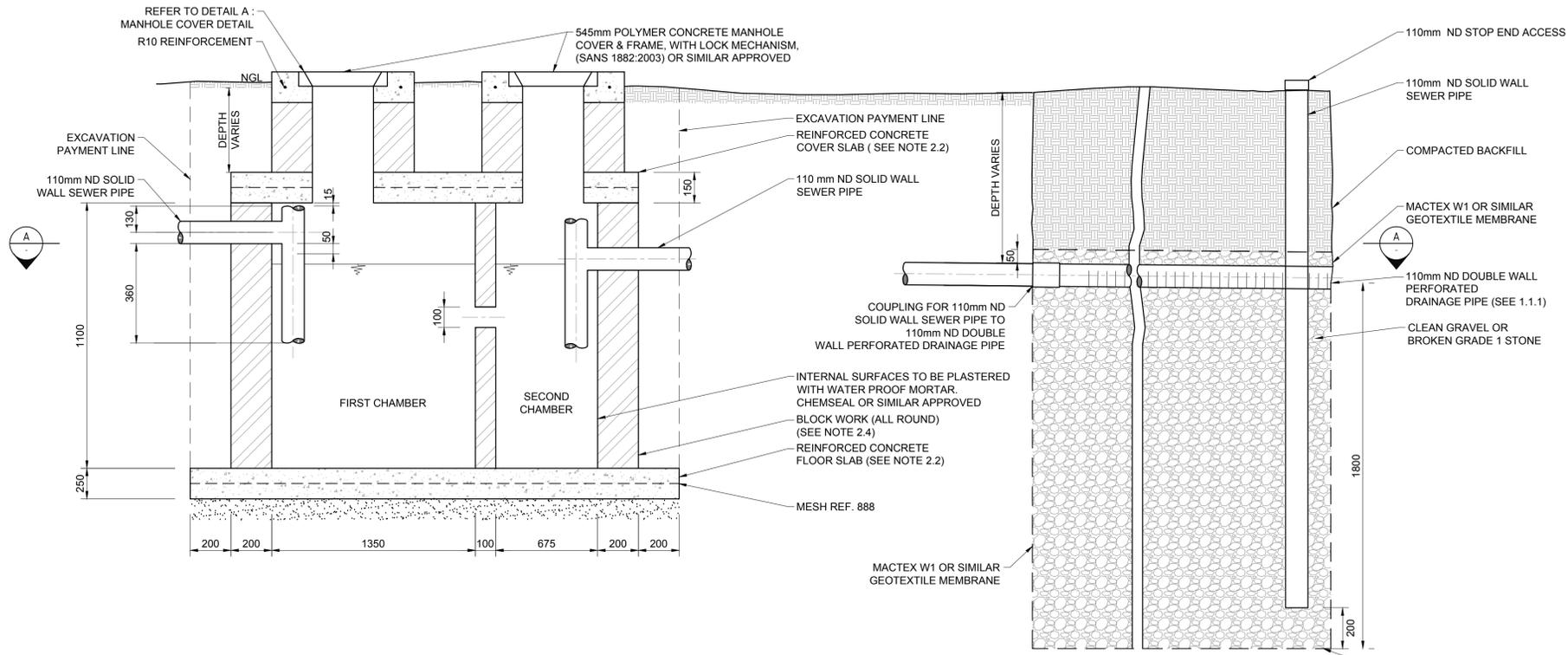
PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**  
DRAWING DESCRIPTION

**HEALTH CENTER:  
CLINIC  
STAFF HOUSE**

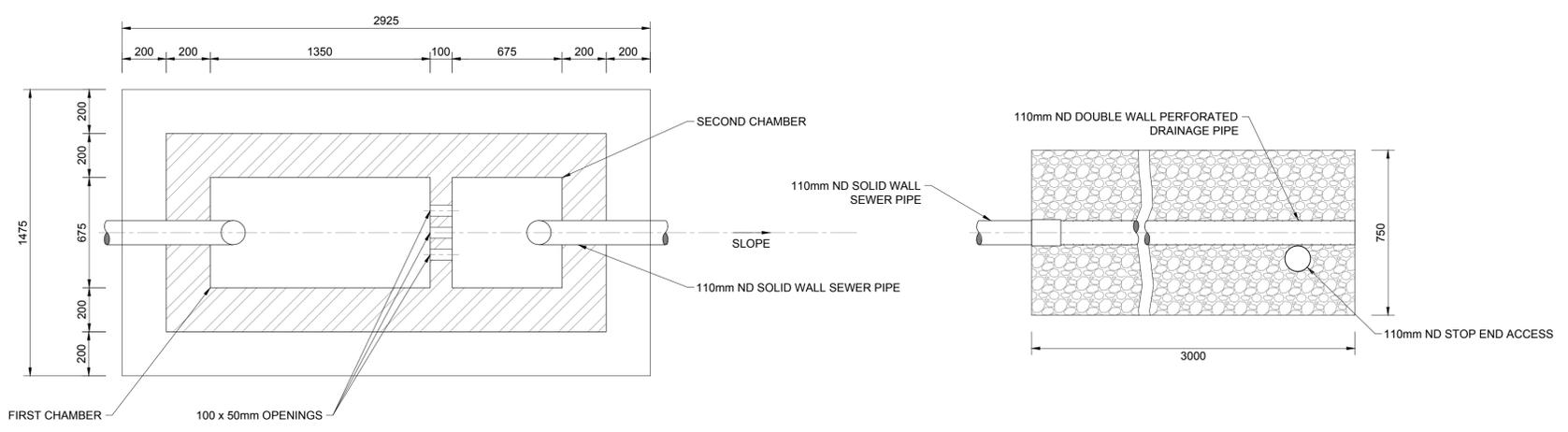
SCALE: AS SHOWN ORIGINAL DWG SIZE A1 DATE: DEC 2015

DRAWING NUMBER: C00290-00-ST-DAL-0044-001 REV NO: 0

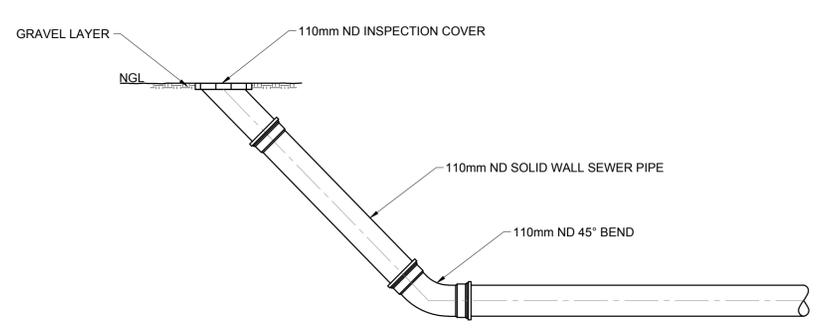
ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E04-00012-01



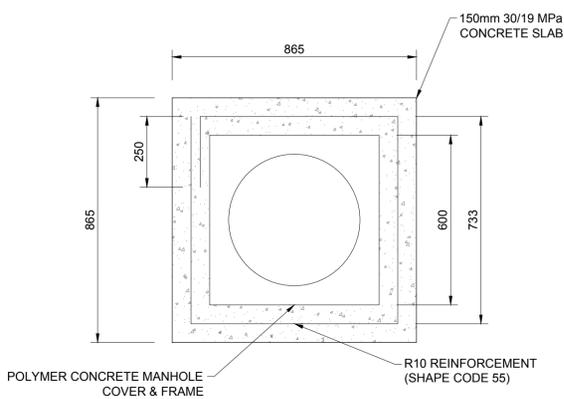
**TYPICAL SIDE SECTION DETAIL (SCHEMATIC)**  
N.T.S.



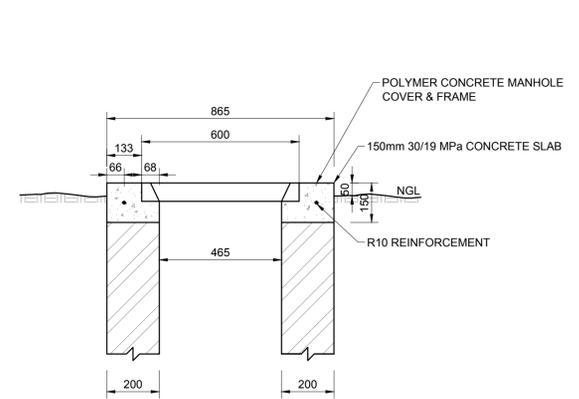
**SECTION A**  
N.T.S.



**END LINE INSPECTION EYE DETAIL**  
N.T.S.



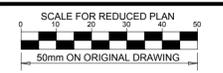
**DETAIL A:  
DETAIL OF MANHOLE COVER**  
N.T.S.



- 1. SOAK AWAYS**
- 1.1 CONSTRUCTION OF SOAK AWAYS:**
- 1.1.1 USE PERFORATED DRAINAGE PIPES, WITH THE SLOTS/HOLES AT THE BOTTOM, LAY IN TRENCHES OF A UNIFORM GRADIENT NOT STEEPER THAN 1:200. PERFORATED 'FLEXICOL' TYPE PIPE IS NOT ALLOWED.
  - 1.1.2 THE LENGTH OF A SINGLE TRENCH SHOULD NOT EXCEED 30m.
  - 1.1.3 PIPES SHOULD BE LAID ON CLEAN GRAVEL OR BROKEN GRADE 1 STONE (20mm - 50mm).
  - 1.1.4 SOAK AWAY TRENCHES SHOULD BE FILLED TO A LEVEL OF 50mm ABOVE THE PIPE AND COVERED WITH A LAYER OF GEOTEXTILE MEMBRANE TO PREVENT ENTRY OF FINES.
  - 1.1.5 THE REMAINDER OF THE SOAK AWAY TRENCH CAN BE FILLED WITH EXCAVATED MATERIAL.
  - 1.1.6 THE SOAK AWAY AND ASSOCIATED DRAINAGE MUST COMPLY WITH SANS 0252-2 AND SANS 10400-P:2010.
  - 1.1.7 THE AREA OF THE SOAK AWAY IS CALCULATED AFTER CARRYING OUT A MINIMUM OF THREE PERCOLATION TESTS IN THE PROPOSED DRAIN FIELD AREA, OVER THREE CONSECUTIVE DAYS AND APPLYING A FORMULA AS DETAILED IN SANS 10400-P: 2010.
  - 1.1.8 DRAINAGE TRENCHES SHOULD BE 750mm WIDE WITH AREAS OF UNDISTURBED GROUND OF MINIMUM 3.6m WIDE BETWEEN PARALLEL TRENCHES.
  - 1.1.9 A SOAK AWAY SHALL:
    - a) BE SO CONSTRUCTED AND LOCATED AS NOT TO CAUSE THE POLLUTION OF ANY SPRING, STREAM, WELL OR OTHER SOURCE OF WATER WHICH IS USED OR IS LIKELY TO BE USED, FOR DRINKING, DOMESTIC USE OR KITCHEN PURPOSES.
    - b) BE SO POSITIONED THAT THE FOUNDATIONS OF ADJACENT BUILDINGS ARE NOT ADVERSELY AFFECTED BY ITS DISCHARGE, AND
    - c) BE NOT LESS THAN 3m FROM ANY BUILDING OR BOUNDARY OF THE SITE ON WHICH IT IS SITUATED.
  - 1.1.10 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 SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION DOWNHILL OF SUCH WATER SOURCE IS NOT POSSIBLE, SOAK AWAYS SHOULD BE LOCATED AT LEAST 50m FROM THE WATER SOURCE.
  - 1.1.11 SOAK AWAYS SHOULD PREFERABLY BE CONSTRUCTED ALONG THE CONTOUR OF THE SOIL SURFACE.
  - 1.1.12 LENGTH OF SOAK AWAY DETERMINED IN ACCORDANCE WITH SANS 10400-P:2010.
  - 1.1.13 NO SOAK AWAY SHALL BE CONSTRUCTED:
    - a) IN GROUND THAT HAS A PERCOLATION RATE THAT EXCEEDS 30 MINUTES (REFER TO SANS 10400-P:2010)
    - b) WHERE EFFLUENT MIGHT FLOW OUT DUE TO THE CONTOURS OF, OR THE STRATA FORMING, THE GROUND.
    - c) WHERE THE SITE TO BE AFFECTED BY SUCH EFFLUENT IS OF INSUFFICIENT SIZE TO ACCOMMODATE THE SOAKING AWAY OF THE EFFLUENT; OR
    - d) WHERE THE LEVEL OF THE WATER TABLE IS, OR MIGHT BE, SUCH AS TO PREVENT ADEQUATE PERCOLATION.

- 2. STRUCTURAL**
- 2.1 ALL SEPTIC TANK EXCAVATION INVERTS TO BE COMPACTED TO 93% MOD AASHTO (MINIMUM).
  - 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	
ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00196-01	STAFF HOUSES: CLINIC: WATER AND SANITATION LAYOUT SHEET 1 of 2



**NOTES**

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A	10/09/15	LL	WVS	ISSUED FOR INTERNAL REVIEW
B	16/09/15	LL	WVS	ISSUED FOR DETAIL DESIGN
C	30/09/15	LL	WVS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	WVS	ISSUED FOR CLIENT REVIEW
E	01/11/15	LL	WVS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	WVS	ISSUED FOR CONSTRUCTION

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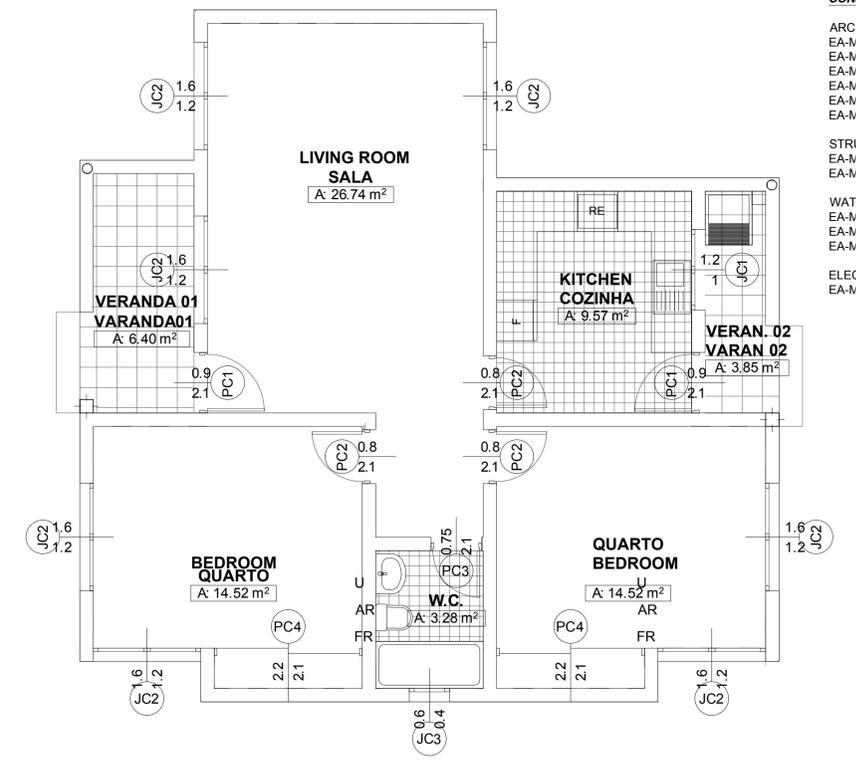
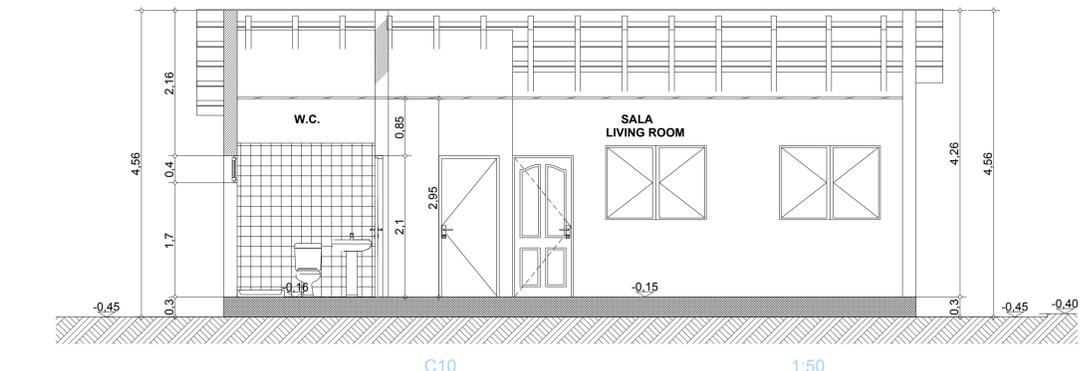
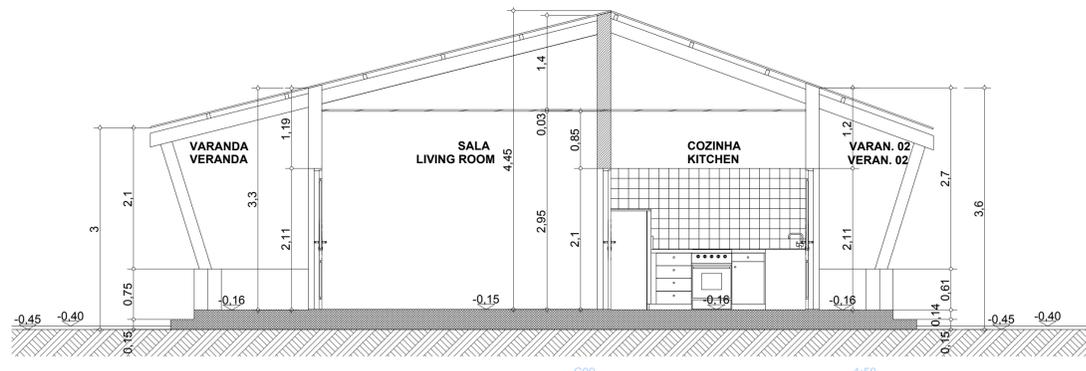
NAME	SIGNATURE	DATE
DRAWN BY: W v STADEN	<i>[Signature]</i>	03/12/2015
CHECKED: LH LOUW	<i>[Signature]</i>	03/12/2015
DESIGNER: B VAN SCHOOR	<i>[Signature]</i>	03/12/2015
PR ENG: LH LOUW 20090253	<i>[Signature]</i>	03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE	<i>[Signature]</i>	03/12/2015
LOCAL PR ENG:		
CLIENT:		



PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**STAFF HOUSES:  
CLINIC:  
DETAILS OF SEPTIC  
TANK INSTALLATION**  
SHEET 2 OF 2

SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DRD-0034-002	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00196-02	



STAFF HOUSE  
DOOR & WINDOW SCHEDULE

**ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:**  
**THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:**

**ARCHITECTURAL**  
EA-MZ-CI0100-WOR-E04-00031-01  
EA-MZ-CI0100-WOR-E05-00135-01  
EA-MZ-CI0100-WOR-E05-00136-01  
EA-MZ-CI0100-WOR-E05-00137-01  
EA-MZ-CI0100-WOR-E05-00138-01  
EA-MZ-CI0100-WOR-E05-00146-01

**STRUCTURAL**  
EA-MZ-CI0100-WOR-E04-00012-01  
EA-MZ-CI0100-WOR-E05-00015-01

**WATER**  
EA-MZ-CI0100-WOR-E05-00121-01  
EA-MZ-CI0100-WOR-E05-00196-01  
EA-MZ-CI0100-WOR-E05-00196-02

**ELECTRICAL**  
EA-MZ-CI0100-WOR-E02-00104-01

SCALE FOR REDUCED PLAN  
0 5 10 15 20 25 30  
50mm ON ORIGINAL DRAWING

**NOTES**

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 95% 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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A	05/11/15	MM	CP	ISSUED FOR INTERNAL REVIEW
B	05/11/15	MM	CP	ISSUED FOR DETAIL DESIGN
C	05/11/15	MM	CP	ISSUED FOR SQUAD CHECK
D	05/11/15	MM	CP	ISSUED FOR CLIENT REVIEW
E	13/11/15	MM	CP	ISSUED CLIENT APPROVAL
O	25/11/15	MM	CP	ISSUED FOR CONSTRUCTION

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**MESCH**  
arquitectos

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CHECKED: MESCH		
DESIGNER: ARCUS /MIN.HEALTH		
PR ENG:		
PROJECT ENG MANAGER: L PADAYACHEE		
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**HEALTH CLINIC - STAFF HOUSE SECTIONS, DOOR&WINDOW SCHEDULE**

CENTRO DE SAUDE - CASA FUNC. CORTES E MAPA DE VÃOS

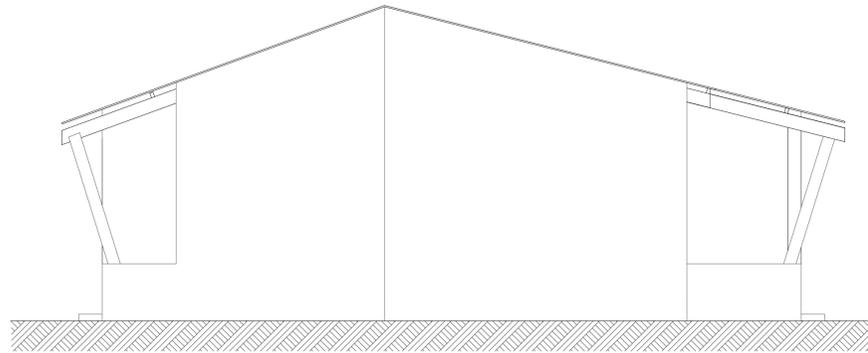
SCALE	DATE
AS SHOWN ORIGINAL DWS SIZE A1	NOVEMBER 2015
DRAWING NUMBER <b>C00290-00-AR-SCH-0010</b>	REV NO <b>0</b>
ANADARKO DRAWING NUMBER <b>EA-MZ-CI0100-WOR-E05-00138-01</b>	

MAPA DE JANELAS - CASA DE FUNCIONARIO  
WINDOW SCHEDULE - STAFF HOUSE

		JC.1	JB.2	JB.3
ESPECIFICAÇÕES	DESIGNAÇÃO	JANELA DE DUAS FOLHAS DE CORRER WINDOW TWO SLIDING SHEETS	JANELA DE DUAS FOLHAS DE CORRER WINDOW TWO SLIDING SHEETS	JANELA DE ABRIR OPEN WINDOW
	QUANTIDADE	4 UNIDADE	6 UNIDADE	2 UNIDADE
	LOCALIZAÇÃO	KITCHEN - COZINHA		WC
	DIMENSÃO	1.20 mX 1.00 m	1.60 m X 1.00 m	0.60m X 0.40m
	FECHADURAS	FECHO AÇO INOX CLASP STAINLESS STEEL	FECHO AÇO INOX CLASP STAINLESS STEEL	FECHO AÇO INOX CLASP STAINLESS STEEL
	DOBRADIÇAS	DOBRADIÇAS DE AÇO INOX HINGES STAINLESS STEEL	DOBRADIÇAS DE AÇO INOX HINGES STAINLESS STEEL	DOBRADIÇAS DE AÇO INOX HINGES STAINLESS STEEL
	PUXADORES	PUXADORES AÇO INOX HANDLES STAINLESS STEEL	PUXADORES AÇO INOX HANDLES STAINLESS STEEL	PUXADORES AÇO INOX HANDLES STAINLESS STEEL
	VIDRO	VIDRO LISO DE 4mm DE ESPESURA FLAT GLASS 4mm THICKNESS	VIDRO LISO DE 4mm DE ESPESURA FLAT GLASS 4mm THICKNESS	VIDRO LISO DE 4mm DE ESPESURA FLAT GLASS 4mm THICKNESS
	REDE MOSQUITO	Mosquito Net	Mosquito Net	Mosquito Net
	ACCESSÓRIOS	ALUMÍNIO - ALUMINIUM	ALUMÍNIO - ALUMINIUM	ALUMÍNIO - ALUMINIUM
ACABAMENTO	FINISHING	FINISHING	FINISHING	

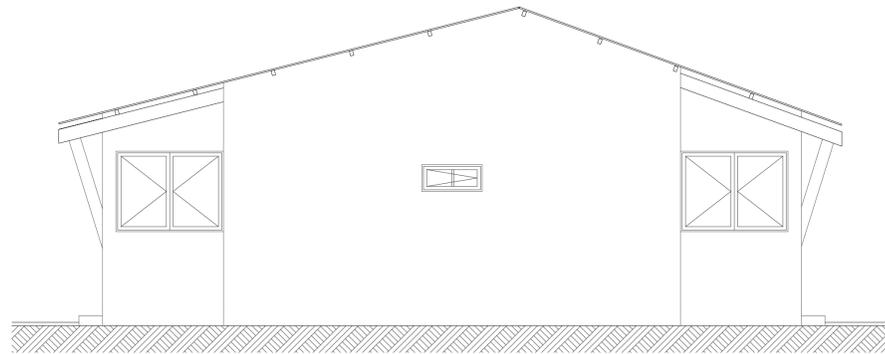
MAPA DE PORTAS - CASA DE FUNCIONARIO  
DOOR - STAFF HOUSE

		PC.1	PC.2	PC.3
ESPECIFICAÇÕES	DESIGNAÇÃO	PORTA BATENTE DOOR STOP	PORTA BATENTE DOOR STOP	PORTA DE CORRER SLIDING DOOR
	QUANTIDADE	2 UNIDADE	4 UNIDADE	2 UNIDADE
	LOCALIZAÇÃO	SALA E COZINHA LIVING ROOM AND KITCHEN	PORTAS INTERNAS INTERIOR DOORS	QUARTOS BEDROOM
	DIMENSÃO	0.90m X 2.10m	0.90m X 2.10m	2.20m X 2.10m
	FECHADURAS	FECHADURA TIPO UNION LOCK TYPE UNION	FECHADURA TIPO UNION LOCK TYPE UNION	FECHADURA TIPO UNION LOCK TYPE UNION
	DOBRADIÇAS	DOBRADIÇAS 3 HINGES	DOBRADIÇAS 3 HINGES	DOBRADIÇAS 3 HINGES
	PUXADORES	PUXADORES AZA DE AÇO INOX HANDLES STAINLESS STEEL	PUXADORES AZA DE AÇO INOX HANDLES STAINLESS STEEL	PUXADORES AZA DE AÇO INOX HANDLES STAINLESS STEEL
	VIDRO	VIDRO LISO DE 4mm DE ESPESURA FLAT GLASS 4mm THICKNESS	VIDRO LISO DE 4mm DE ESPESURA FLAT GLASS 4mm THICKNESS	VIDRO LISO DE 4mm DE ESPESURA FLAT GLASS 4mm THICKNESS
	ARO	MADERA DE CHANFUTA CHARIVIA WOOD	MADERA DE CHANFUTA CONTRAPLACADO (ESTRUTURA PINHO) PLYWOOD (PINHO STRUCTURE)	MADERA DE CHANFUTA CONTRAPLACADO (ESTRUTURA PINHO) PLYWOOD (PINHO STRUCTURE)
	ACCESSÓRIOS	PINTURA ESMALTE PAINT	PINTURA ESMALTE PAINT	PINTURA ESMALTE PAINT
ACABAMENTO	FINISHING	FINISHING	FINISHING	



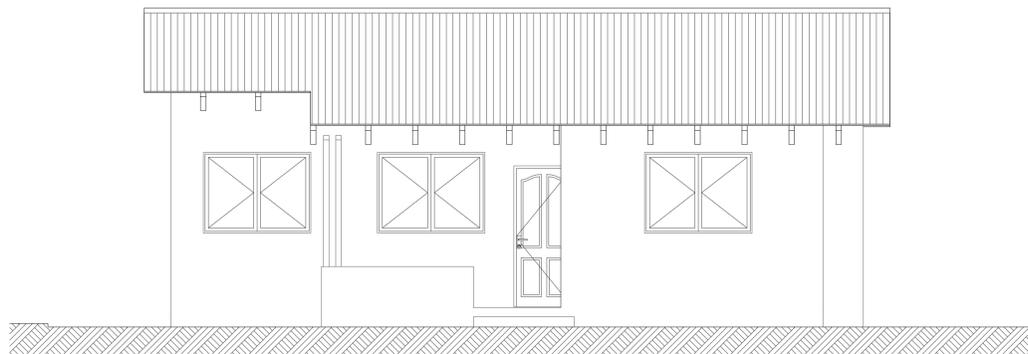
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ELEVATION 13

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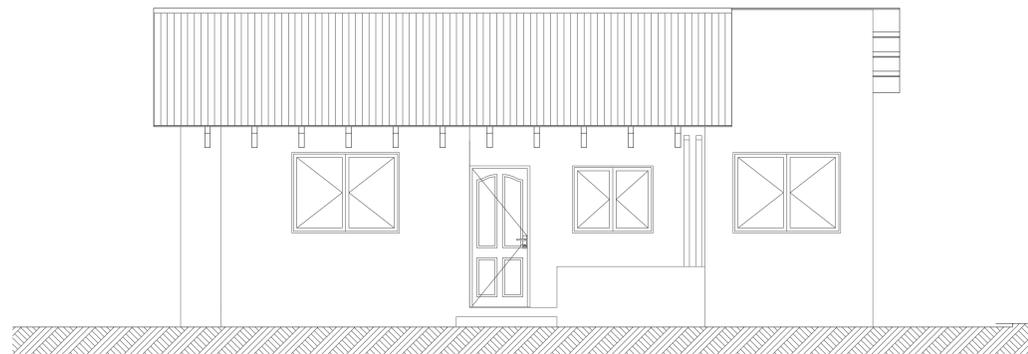
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ALCADO 15  
ELEVATION 15

1:50



ALCADO 16  
ELEVATION 16

1:50

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

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EA-MZ-CI0100-WOR-E05-00135-01  
EA-MZ-CI0100-WOR-E05-00136-01  
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STRUCTURAL  
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WATER  
EA-MZ-CI0100-WOR-E05-00121-01  
EA-MZ-CI0100-WOR-E05-00196-01  
EA-MZ-CI0100-WOR-E05-00196-02

ELECTRICAL  
EA-MZ-CI0100-WOR-E02-00104-01



NOTES

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 95% 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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C	05/11/15	MM	CP	ISSUED FOR SQUAD CHECK
D	05/11/15	MM	CP	ISSUED FOR CLIENT REVIEW
E	13/11/15	MM	CP	ISSUED CLIENT APPROVAL
O	25/11/15	MM	CP	ISSUED FOR CONSTRUCTION

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ARCUS CONSULTORES, Lda.  
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Urbanismo | Engenharia Multidisciplinar  
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Tel: +351 218 21 311 | 1ª Região - Moçambique  
E-mail: arcusconsultores@vccabo.co.mz

**MESCH**  
arquitectos

	NAME	SIGNATURE	DATE
DRAWN BY:	ARCUS /MIN.HEALTH		
CHECKED:	MESCH	<i>M</i>	
DESIGNER:	ARCUS /MIN.HEALTH		
PR ENG:			
PROJECT ENG MANAGER:	L PADAYACHEE	<i>L</i>	
LOCAL PR ENG:			
CLIENT:			

CLIENT  
**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
HEALTH CLINIC - STAFF HOUSE  
ELEVATIONS  
CENTRO DE SAUDE - CASA FUNC.  
ALÇADOS

SCALE	DATE
AS SHOWN ORIGINAL DWG SIZE A1	NOVEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-AR-DLP-0020-001	0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00137-01	

	<i>Mozambique Gas Development</i>		 
	Resettlement Plan		
	Annex I: Construction drawings		
Rev. 1	Rev Date: 27-May-16		

## 7. COMMUNITY CENTRE

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

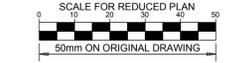
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 EA-MZ-CI0100-WOR-E05-00517-01  
 EA-MZ-CI0100-WOR-E05-00518-01  
 EA-MZ-CI0100-WOR-E05-00052-01

WATER  
 EA-MZ-CI0100-WOR-E05-00595-01  
 EA-MZ-CI0100-WOR-E05-00595-02  
 EA-MZ-CI0100-WOR-E05-00595-03

ELECTRICAL  
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 EA-MZ-CI0100-WOR-E02-00531-01  
 EA-MZ-CI0100-WOR-E02-00530-01  
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NOTES

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 EA-MZ-CI0100-WOR-E05-00029-01 (DETAIL B)  
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 EA-MZ-CI0100-WOR-E05-00044-01

STRUCTURAL  
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WATER  
 EA-MZ-CI0100-WOR-E05-01295-01

ELECTRICAL  
 EA-MZ-CI0100-WOR-E02-00630-01  
 EA-MZ-CI0100-WOR-E02-00640-01

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C	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
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**MESCI**  
 arquitetos

NAME	SIGNATURE	DATE
DRAWN BY: AP		
CHECKED: MM		
DESIGNER: AP		
PR ENG:		
PROJECT ENG MANAGER: L. PADAYACHEE		
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
 GAS DEVELOPMENT PROJECT

**Anadarko**  
 Moçambique Área 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
 CENTRO COMUNITÁRIO -  
 LAYOUT DA SALA DE AULAS FOLHA  
 1 DE 3

COMMUNITY CENTRE -  
 CLASSROOM LAYOUT SHEET 1 OF 3

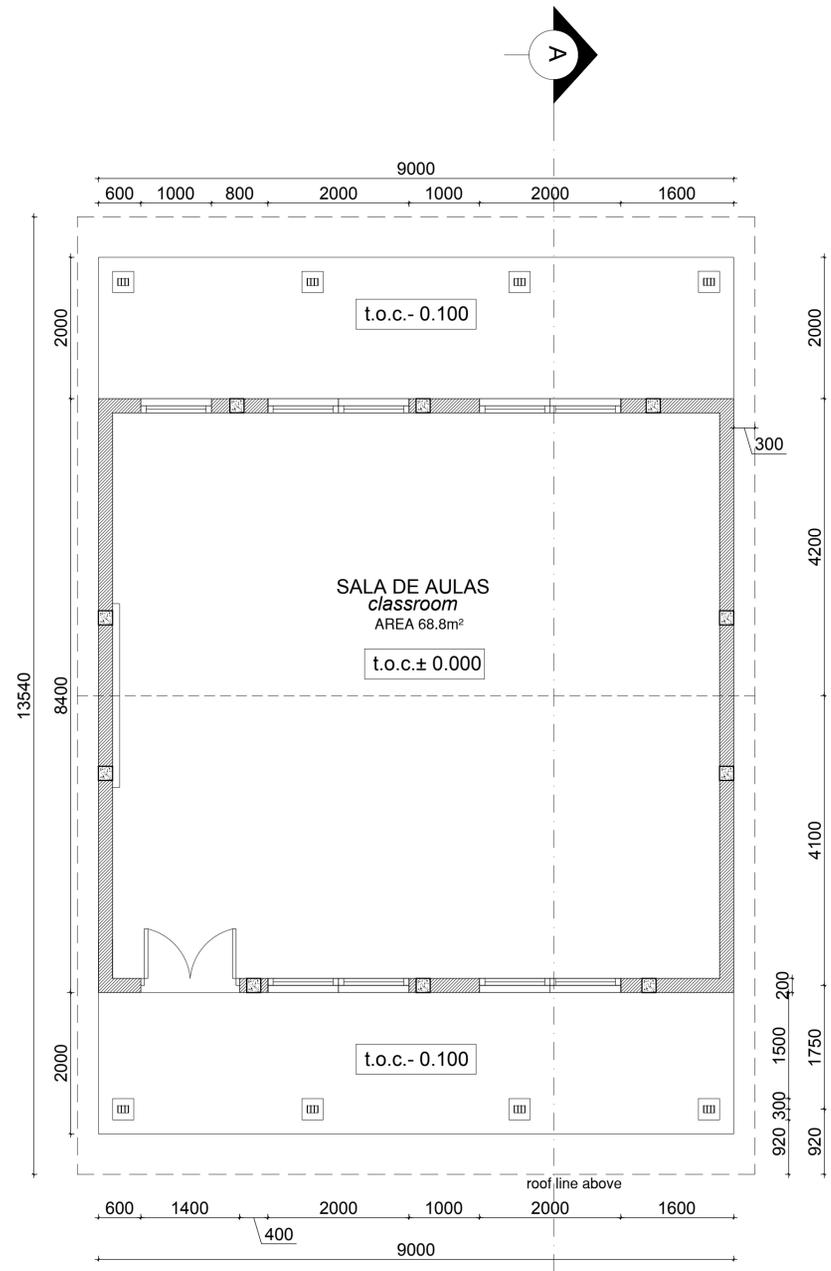
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DRAWING NUMBER C00290-00-AR-DLP-0141-001 REV NO 0

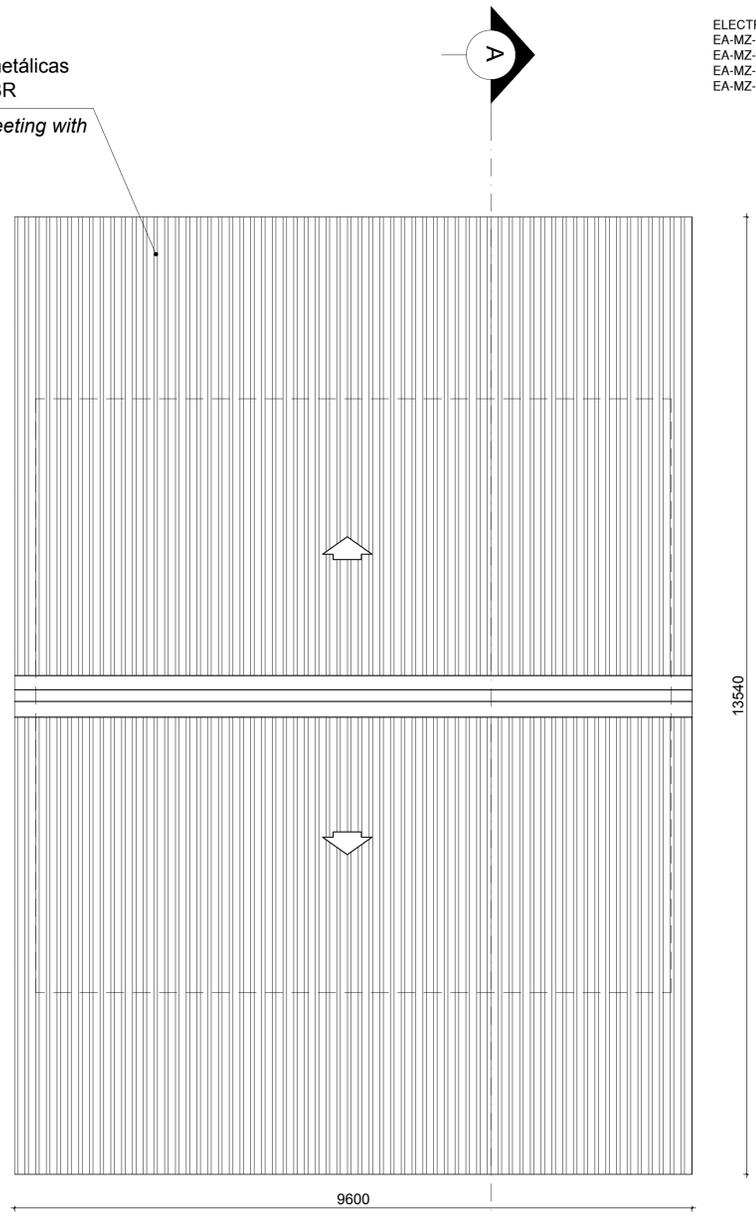
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E04-01113-01

Cobertura em Chapas metálicas esmaltadas com perfil IBR

Metal roof enameled sheeting with IBR profile



PLANTA DO PISO  
 Floor Plan  
 Escala/Scale 1:50



PLANTA DE COBERTURA  
 Roof Plan  
 Escala/Scale 1:50

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B	12/08/15	MM	AP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	AP	ISSUED CLIENT APPROVAL
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CHECKED:	MM		
DESIGNER:	AP		
PROJECT ENG MANAGER	L PADAYACHEE		
LOCAL PR ENG:			
CLIENT:			

CLIENT



PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
CENTRO COMUNITÁRIO - LAYOUT  
DA SALA COMUNITÁRIA FOLHA 3 DE  
3

COMMUNITY CENTRE - MAIN HALL  
LAYOUT SHEET 3 OF 3

SCALE  
AS SHOWN  
ORIGINAL DWG SIZE A2

DATE  
NOV 2015

DRAWING NUMBER  
C00290-00-AR-DLP-0140-003

REV NO  
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ANADARKO DRAWING NUMBER  
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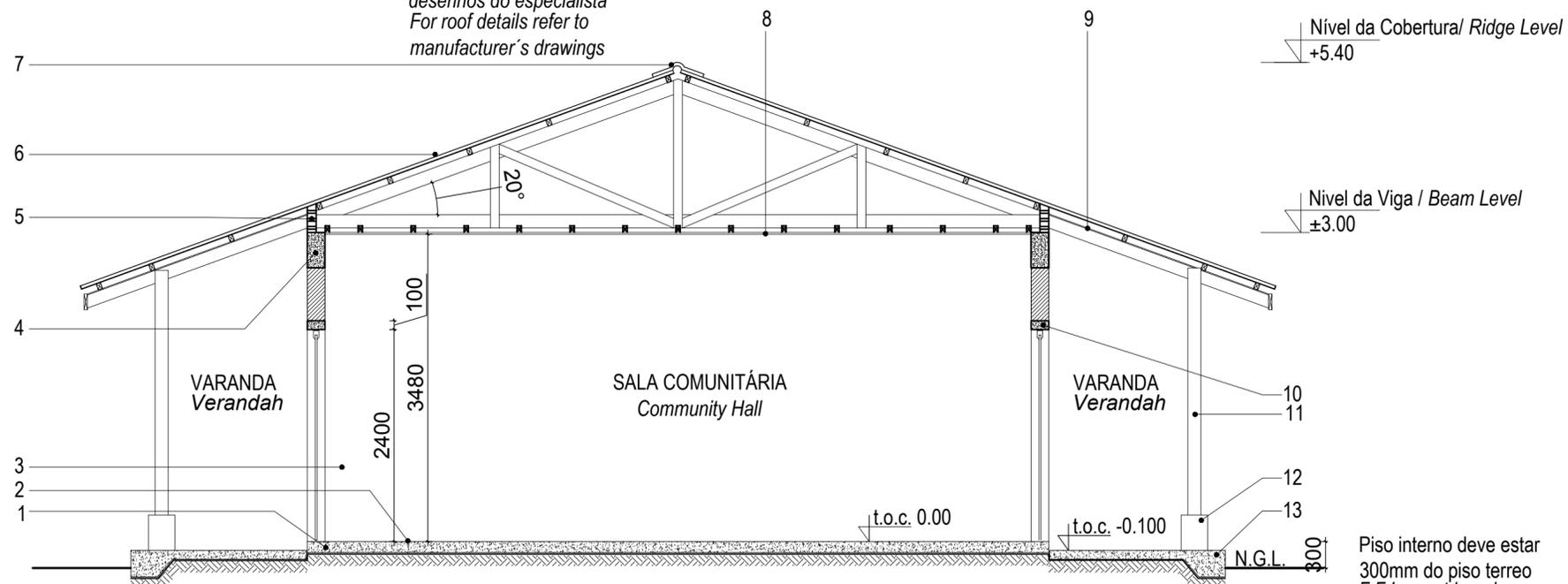
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WATER  
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ELECTRICAL  
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EA-MZ-CI0100-WOR-E02-00530-01  
EA-MZ-CI0100-WOR-E02-00535-01

Para pormenor da cobertura consultar  
desenhos do especialista  
For roof details refer to  
manufacturer's drawings



**Corte A-A  
Section A-A**

Escala/Scale 1:50

**Legenda  
Key**

- |  |   |
|--|---|
| 1_Laje de pavimento em betão<br>Concrete slab  | 9_Tecto falso NUTEC em fibra de cimento<br>Fiber cement NUTEC soffit board                                  |
| 2_Acabamento do pavimento em cimento queimado<br>Concrete floor to have power float finish   | 10_Lintel em betão armado<br>Concrete lintel  |
| 3_Parede com reboco liso, pintada a tinta plástica<br>Wall with plain plaster and PVA painted  | 11_Pilar em madeira tratada<br>Treated timber column  |
| 4_Viga de coroamento em betão armado<br>Concrete ring beam   | 12_Base do pilar em betão, pitado a tinta plástica<br>Concrete column base, painted with washable PVA paint |
| 5_Blocos ventiladores com rede mosquiteira sintectica<br>Vent blocks with mosquito net   | 13_Laje de pavimento da varanda<br>Concrete verandah slab   |
| 6_Cobertura em chapas metálicas esmaltadas com perfil IBR com isolamento Sisolation 405<br>Enameled metalic roof sheeting with IBR profile on graded SA pine battens with sisalation 405 roof underlay fixed to prefabricated roof trusses |   |
| 7_Cumeeira em chapa esmaltada<br>Enameled sheet ridge cap  |   |
| 8_Tecto falso em placas de gesso cartonado pintado a tinta plástica sob estrutura de madeira<br>Ceiling in Gypsum board PVA painted under wooden structure   |   |

Piso interno deve estar  
300mm do piso terreo  
F.F.L. must be min.  
300mm above n.g.l.

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ARCHITECTURAL  
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WATER  
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 EA-MZ-CI0100-WOR-E05-00595-03

ELECTRICAL  
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NOTES

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C	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK
D	31/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	AP	ISSUED CLIENT APPROVAL
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	NAME	SIGNATURE	DATE
DRAWN BY:	AP		
CHECKED:	MM		
DESIGNER:	AP		
PR ENG:			
PROJECT ENG MANAGER:	L PADAYACHEE		
LOCAL PR ENG:			
CLIENT:			

PROJECT  
**AMA 1  
 RESETTLEMENT  
 VILLAGE**

DRAWING DESCRIPTION  
 CENTRO COMUNITÁRIO - LAYOUT  
 DA SALA COMUNITÁRIA FOLHA 2  
 DE 3

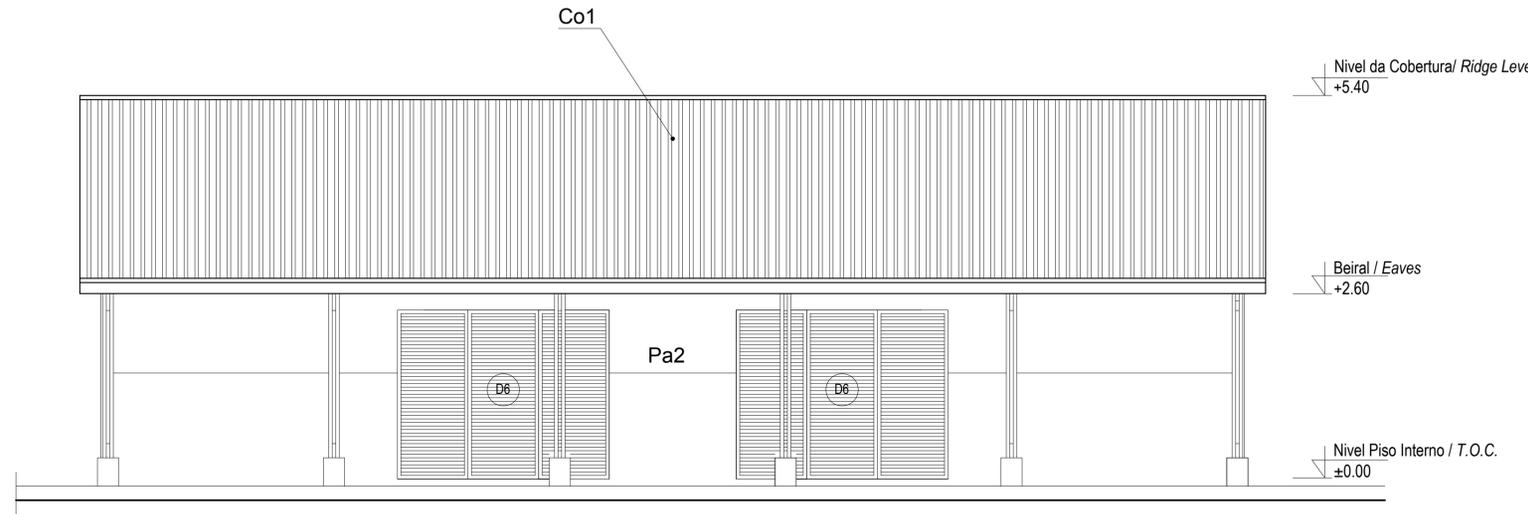
COMMUNITY CENTRE - MAIN  
 HALL LAYOUT SHEET 2 OF 3

SCALE	DATE
AS SHOWN	NOVEMBER 2015
ORIGINAL DWG SIZE A1	

DRAWING NUMBER	REV NO
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ANADARKO DRAWING NUMBER

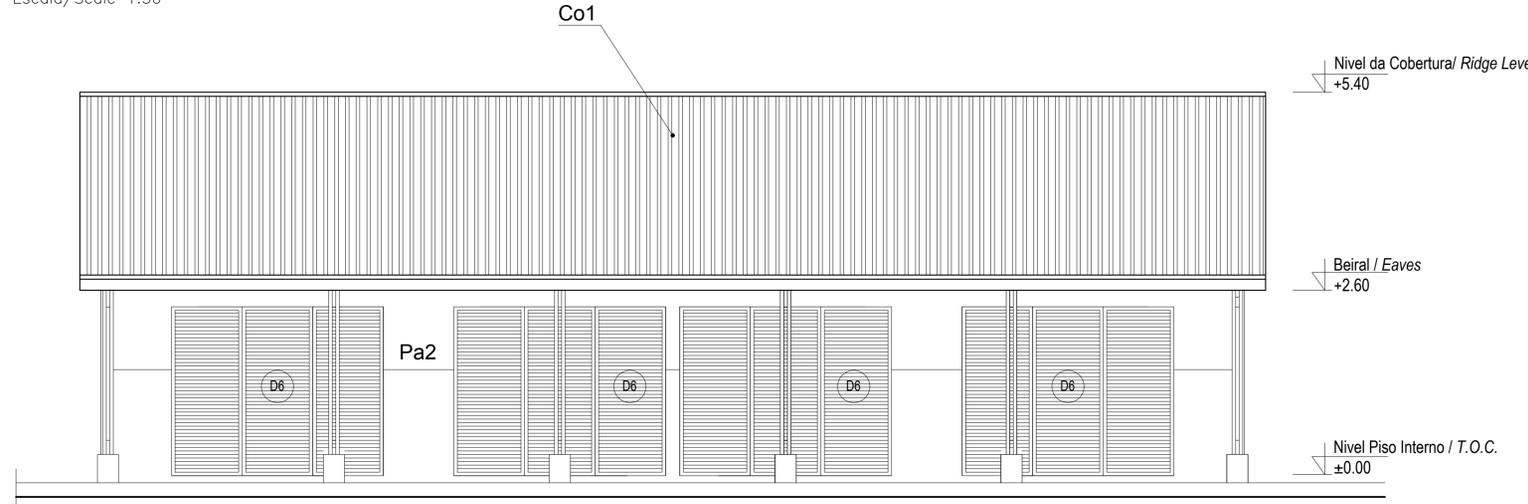
EA-MZ-CI0100-WOR-E04-01112-02



**ALÇADO FRONTAL**

Front Elevation

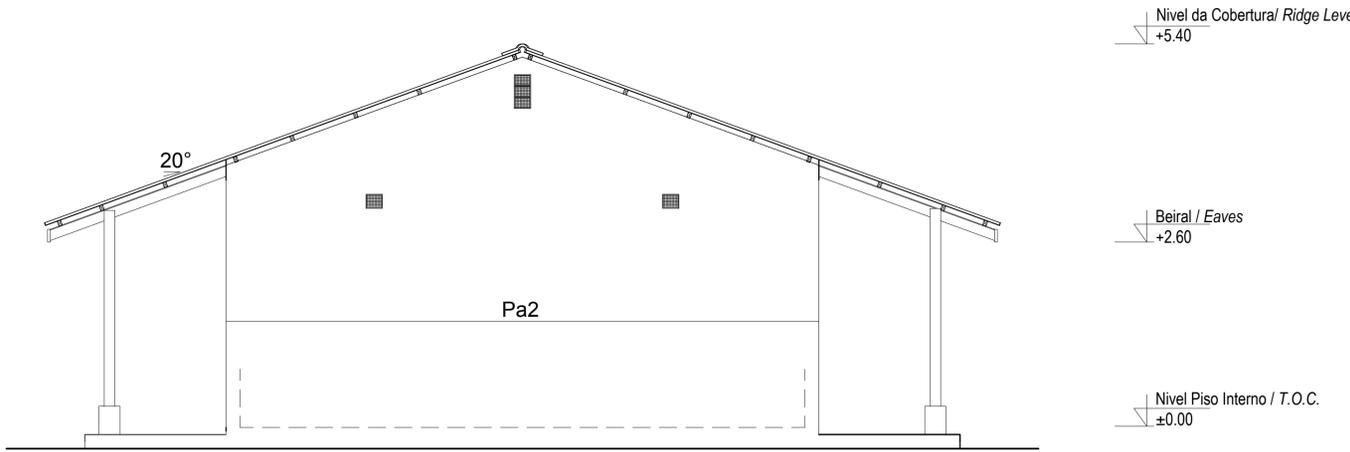
Escala/Scale 1:50



**ALÇADO POSTERIOR**

Back Elevation

Escala/Scale 1:50



**ALÇADO LATERAL**

Side Elevation

Escala/Scale 1:50

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

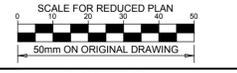
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 EA-MZ-CI0100-WOR-E05-00518-01  
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WATER  
 EA-MZ-CI0100-WOR-E05-00595-01  
 EA-MZ-CI0100-WOR-E05-00595-02  
 EA-MZ-CI0100-WOR-E05-00595-03

ELECTRICAL  
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 EA-MZ-CI0100-WOR-E02-00531-01  
 EA-MZ-CI0100-WOR-E02-00530-01  
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NOTES

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D	31/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	AP	ISSUED CLIENT APPROVAL
0	27/11/15	MM	AP	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: AP		
CHECKED: MM		
DESIGNER: AP		
PR ENG:		
PROJECT ENG MANAGER: L PADAYACHEE		
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
 GAS DEVELOPMENT PROJECT

**Anadarko**  
 Moçambique Area 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
 CENTRO COMUNITÁRIO - LAYOUT DA SALA COMUNITÁRIA FOLHA 1 DE 3  
 COMMUNITY CENTRE - MAIN HALL LAYOUT SHEET 1 OF 3

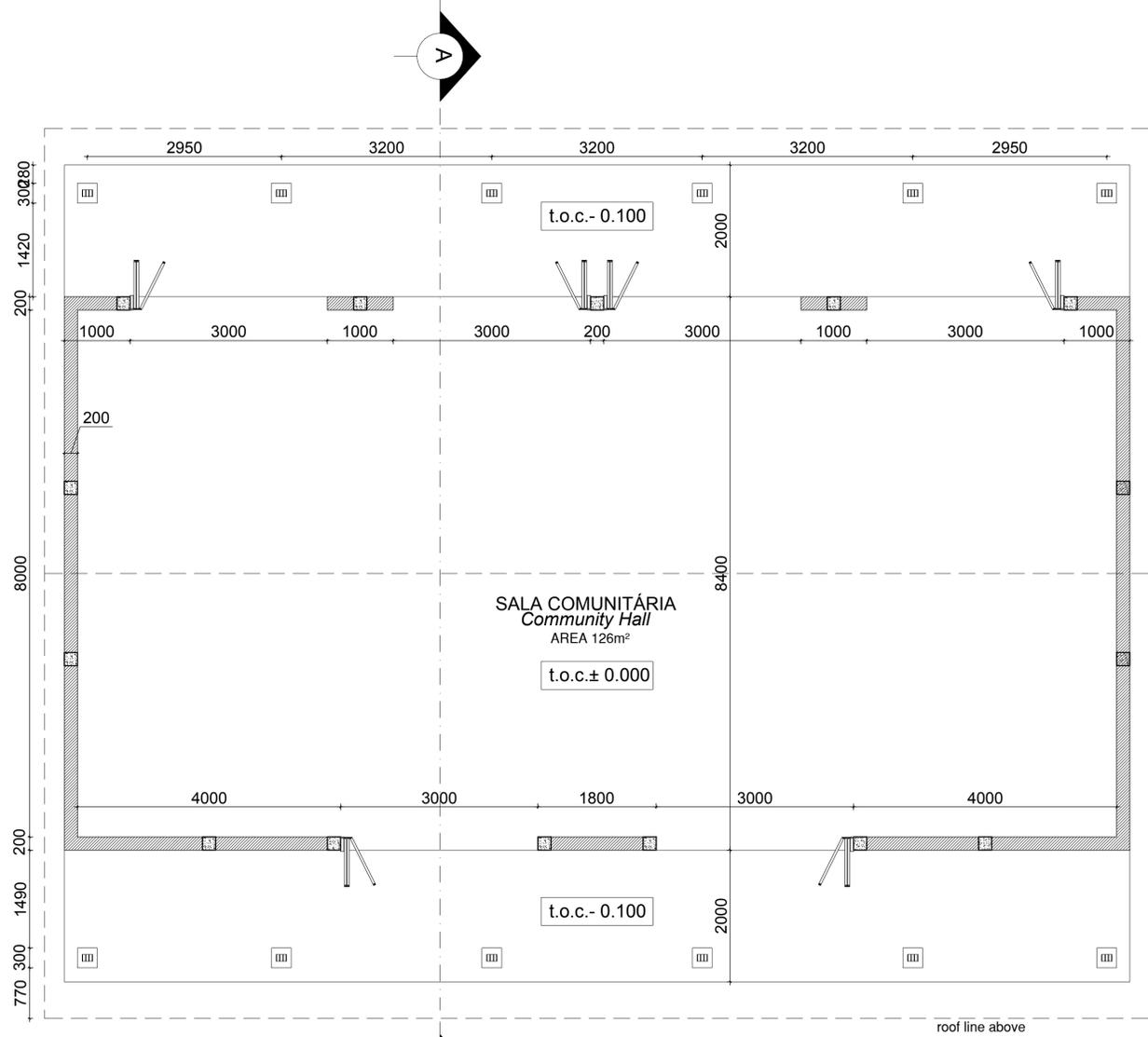
SCALE: AS SHOWN ORIGINAL DWG SIZE A1  
 DATE: NOVEMBER 2015

DRAWING NUMBER: C00290-00-AR-DLP-0140-001  
 REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E04-01112-01

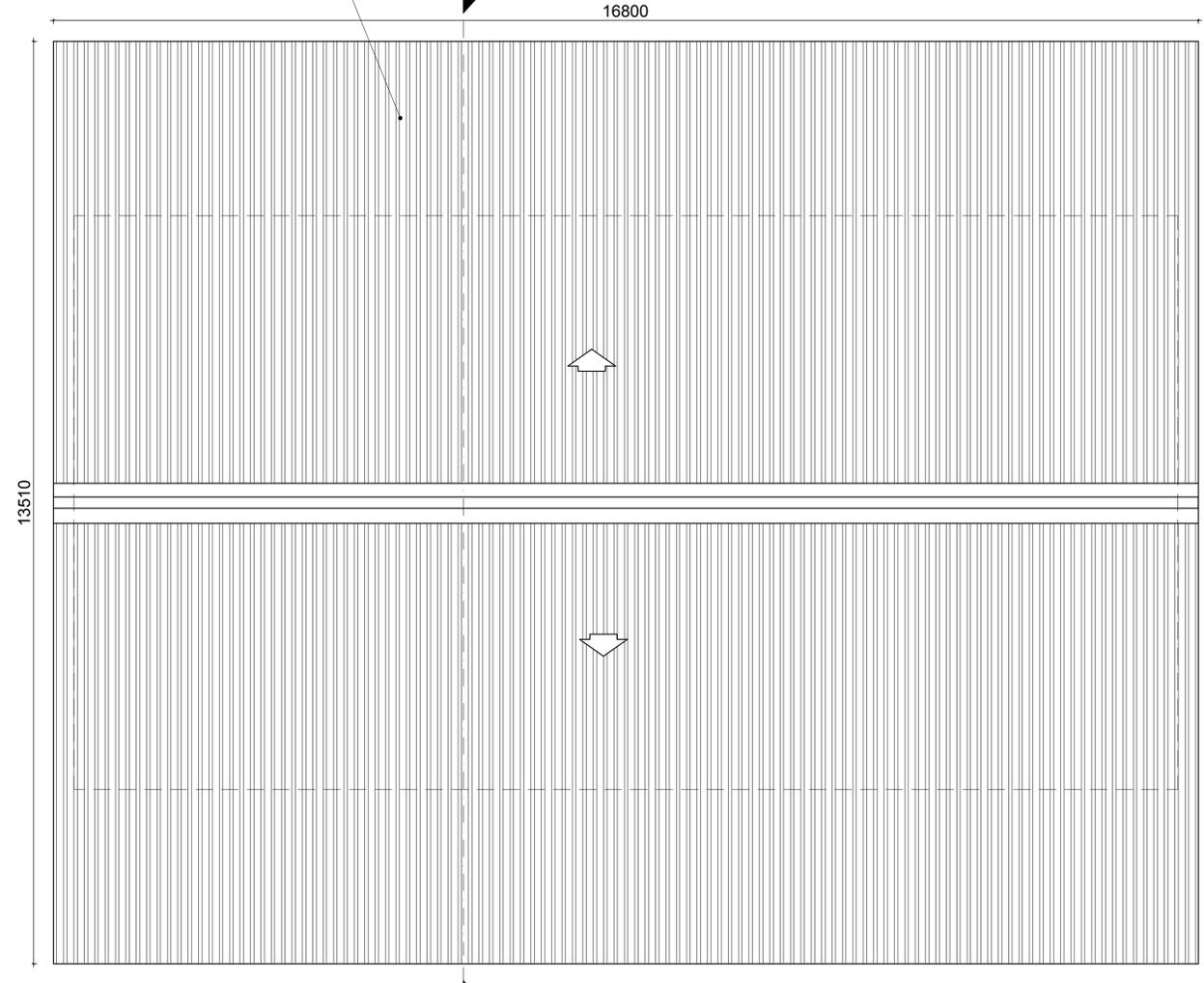
Cobertura em Chapas metálicas esmaltadas com perfil IBR

Metal roof enameled sheeting with IBR profile



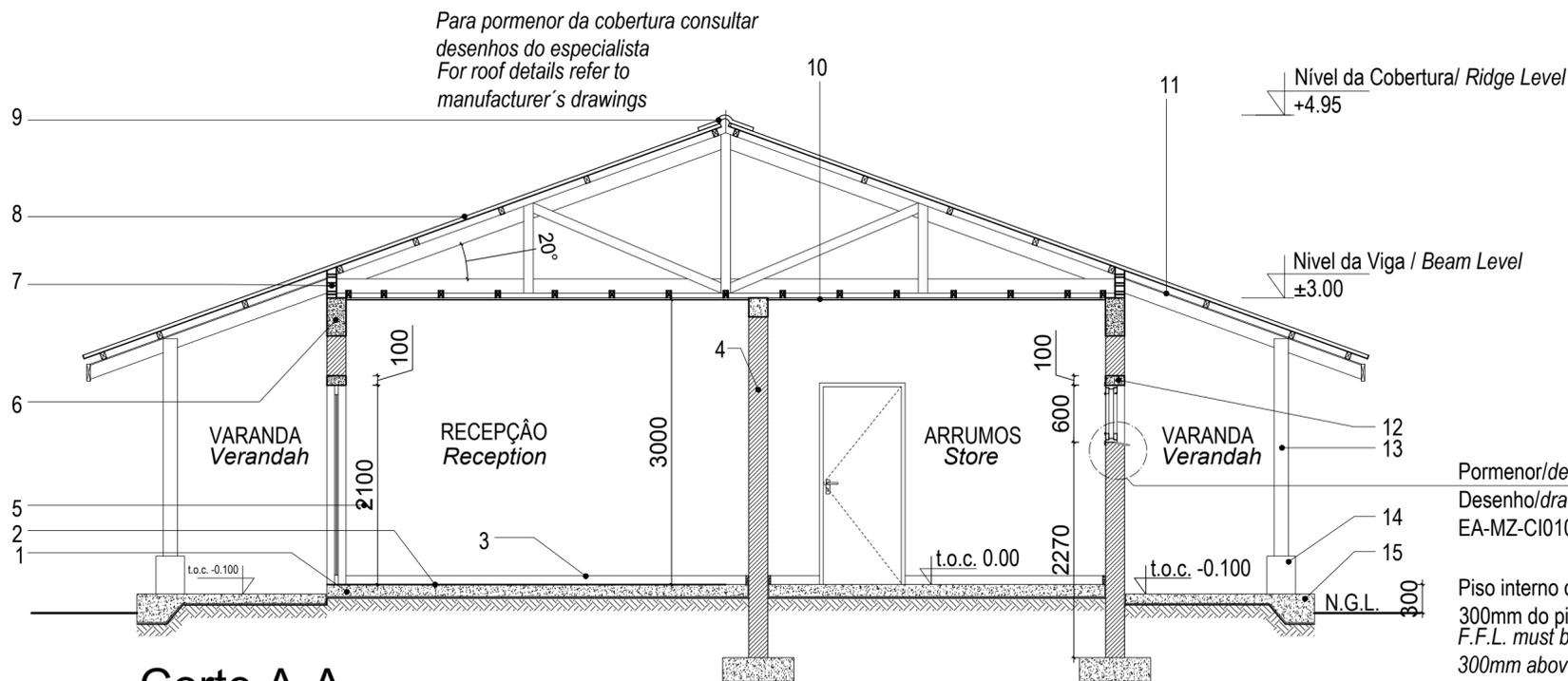
**PLANTA DO PISO**  
 Floor Plan

Escala/Scale 1:50



**PLANTA DE COBERTURA**  
 Roof Plan

Escala/Scale 1:50



## Corte A-A Section A-A

Escala/Scale 1:50

Pormenor/detail:  
Desenho/drawing  
EA-MZ-CI0100-WOR-E05-00049-01

Piso interno deve estar  
300mm do piso terreo  
F.F.L. must be min.  
300mm above n.g.l.

## 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 reboco 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 sintectica

Vent blocks with mosquito net

8\_Cobertura em chapas metálicas esmaltadas com perfil IBR

com isolamento Sisolation 405

Enameled metalic roof sheeting with IBR profile on graded SA pine battens

with sisalation 405 roof underlay fixed to prefabricated roof trusses

9\_Cumeeira em chapa esmaltada

Enameled sheet ridge cap

10\_Tecto falso em placas de gesso cartonado pintado a tinta plástica  
sob estrutura de madeira

Ceiling in Gypsum board PVA painted under wooden structure

11\_Tecto falso NUTEC em fibra de cimento

Fiber cement NUTEC soffit board

12\_Lintel em betão armado

Concrete lintel

13\_Pilar em madeira tratada

Treated timber column

14\_Base do pilar em betão, pitado a tinta plástica

Concrete column base, painted with washable PVA paint

15\_Laje de pavimento da varanda

Concrete verandah slab

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EA-MZ-CI0100-WOR-E04-00500-01  
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DESIGNER:	AP		
PROJECT ENG MANAGER	L PADAYACHEE		
LOCAL PR ENG:			
CLIENT:			

CLIENT



**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
CENTRO COMUNITÁRIO-LAYOUT  
DO BLOCO ADMINISTRATIVO -  
FOLHA 3 DE 3

COMMUNITY CENTRE  
ADMIN. BLOCK LAYOUT - SHEET  
3 OF 3

SCALE  
AS SHOWN  
ORIGINAL DWG SIZE A2

DATE  
NOV 2015

DRAWING NUMBER  
C00290-00-AR-DLP-0139-003

REV NO  
0

ANADARKO DRAWING NUMBER  
EA-MZ-CI0100-WOR-E04-01111-03

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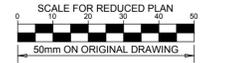
THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

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 EA-MZ-CI0100-WOR-E04-00605-01  
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- STRUCTURAL  
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- WATER  
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- ELECTRICAL  
 EA-MZ-CI0100-WOR-E02-00532-01  
 EA-MZ-CI0100-WOR-E02-00531-01  
 EA-MZ-CI0100-WOR-E02-00530-01  
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0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
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CHECKED: MM		
DESIGNER: AP		
PR ENG:		
PROJECT ENG MANAGER: L PADAYACHEE		
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
 GAS DEVELOPMENT PROJECT

**Anadarko**  
 Moçambique Area 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

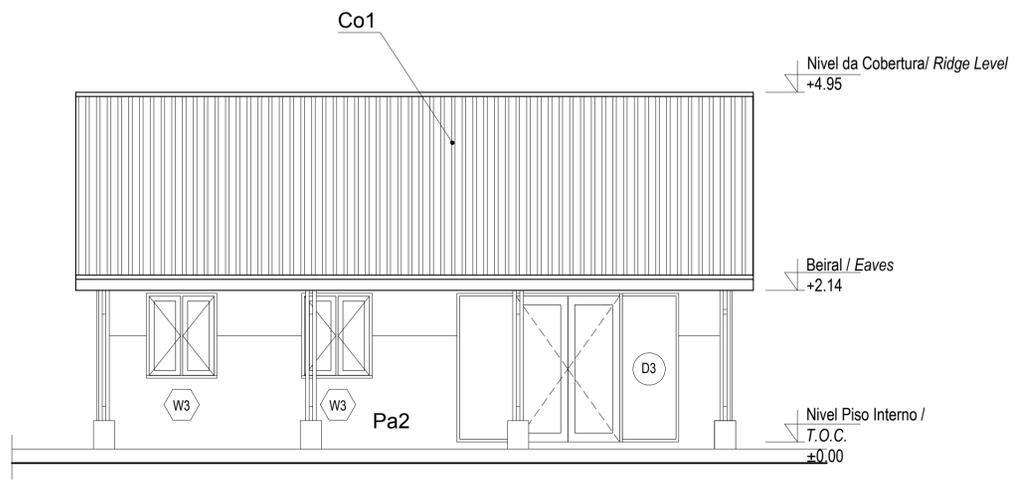
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COMMUNITY CENTRE  
 ADMIN. BLOCK LAYOUT - SHEET 2 OF 3

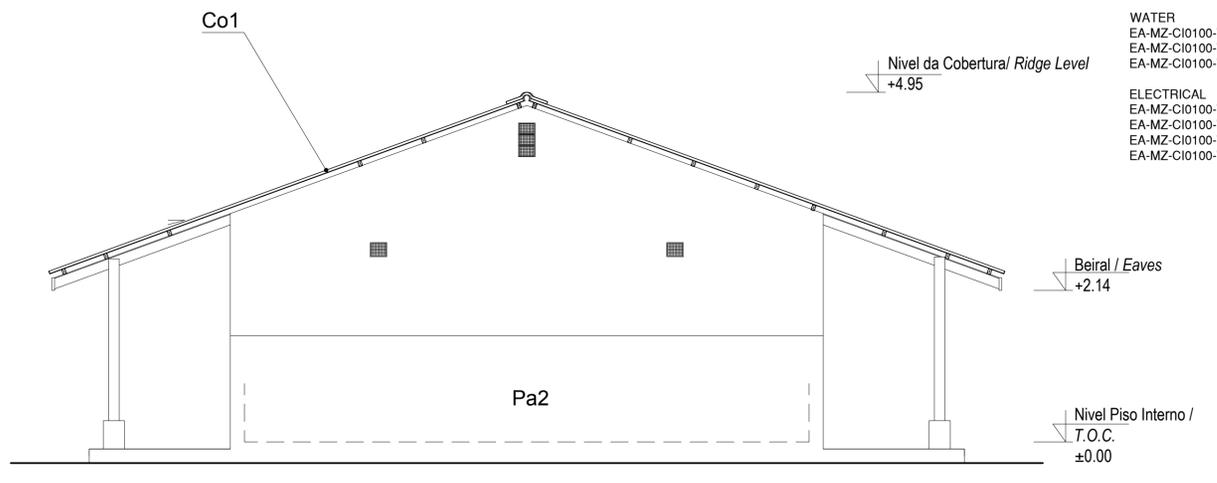
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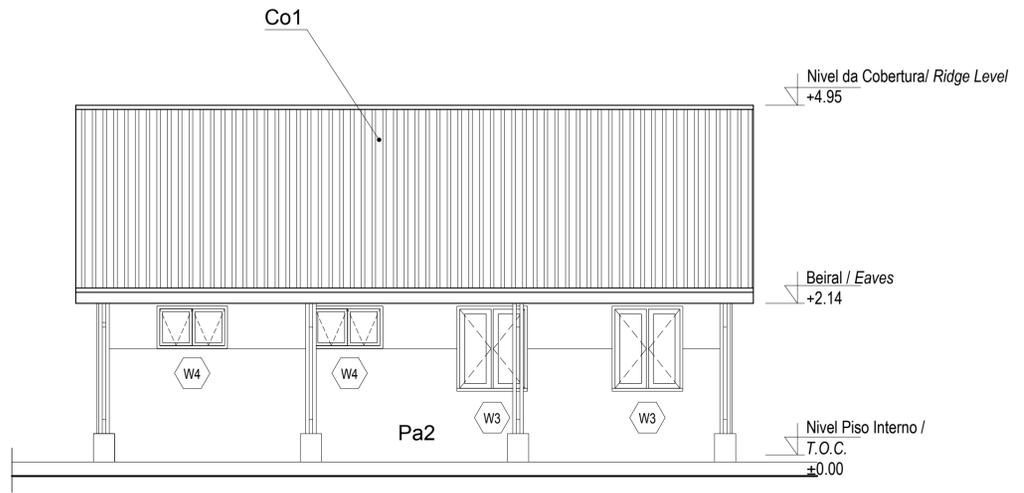
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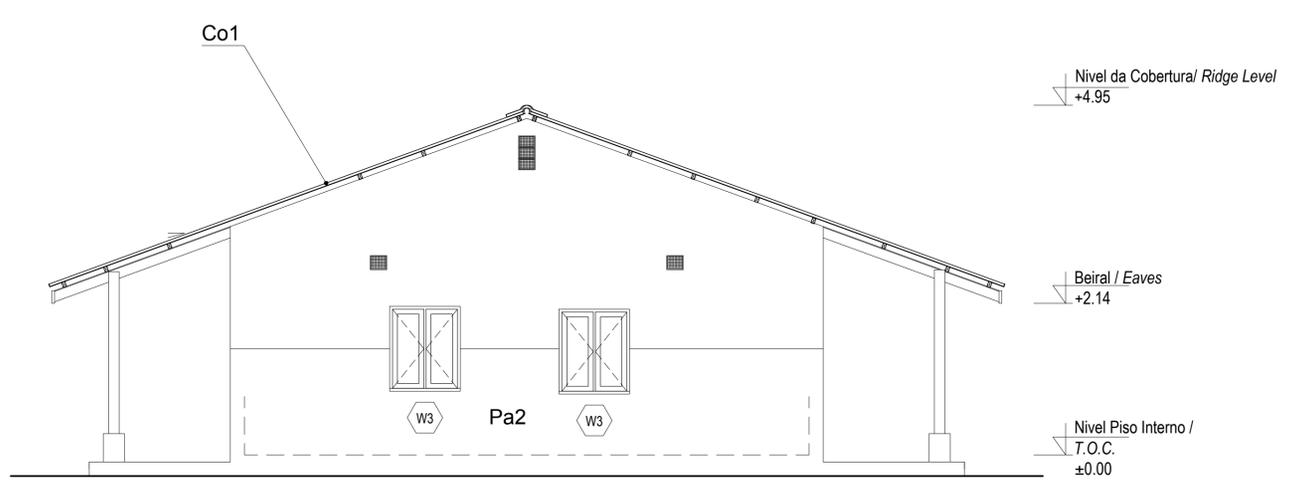
**ALÇADO FRONTAL**  
*Front Elevation*  
 Escala/Scale 1:50



**ALÇADO LATERAL DIR.**  
*Right Side Elevation*  
 Escala/Scale 1:50



**ALÇADO POSTERIOR**  
*Back Elevation*  
 Escala/Scale 1:50



**ALÇADO LATERAL ESQ.**  
*Left Side Elevation*  
 Escala/Scale 1:50

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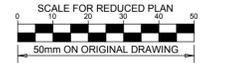
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NAME	SIGNATURE	DATE
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DESIGNER: AP		
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PROJECT ENG MANAGER: L PADAYACHEE		
LOCAL PR ENG:		
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Moçambique Area 1, Lda

PROJECT  
**AMA 1  
 RESETTLEMENT  
 VILLAGE**

DRAWING DESCRIPTION  
**CENTRO COMUNITÁRIO-LAYOUT  
 DO BLOCO ADMINISTRATIVO -  
 FOLHA 1 DE 3**

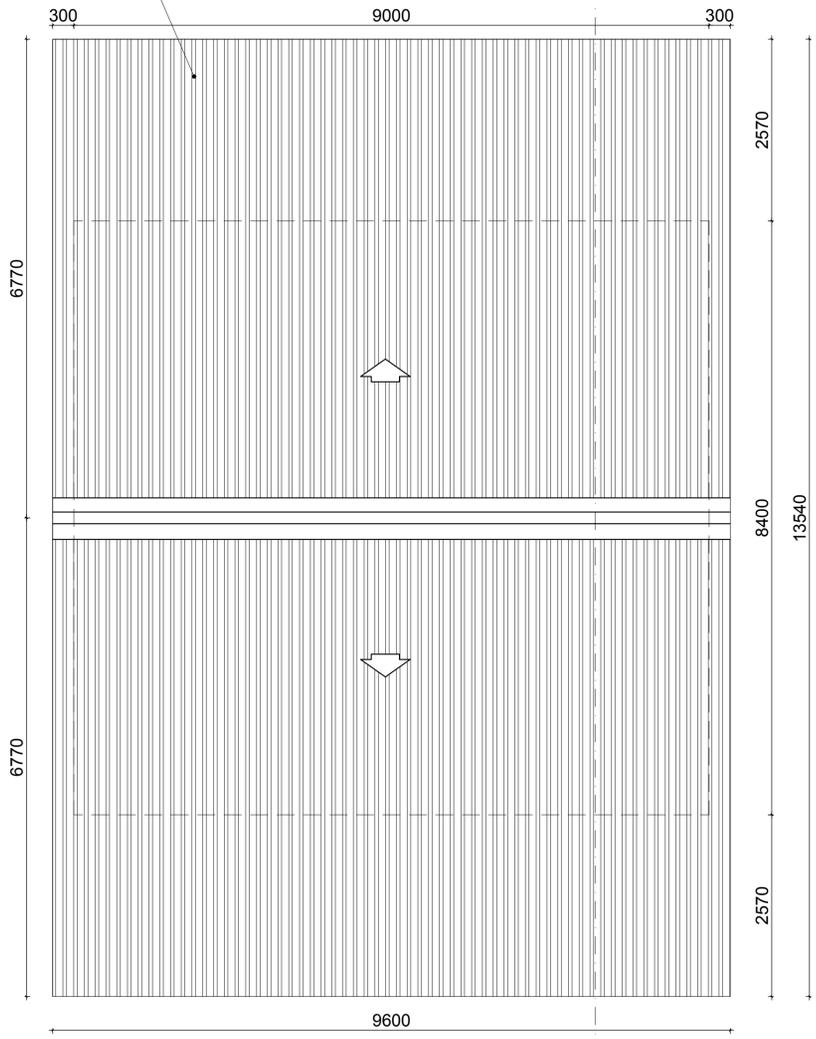
COMMUNITY CENTRE  
 ADMIN. BLOCK LAYOUT - SHEET  
**1 OF 3**

SCALE: AS SHOWN ORIGINAL DWG SIZE A1 DATE: NOVEMBER 2015

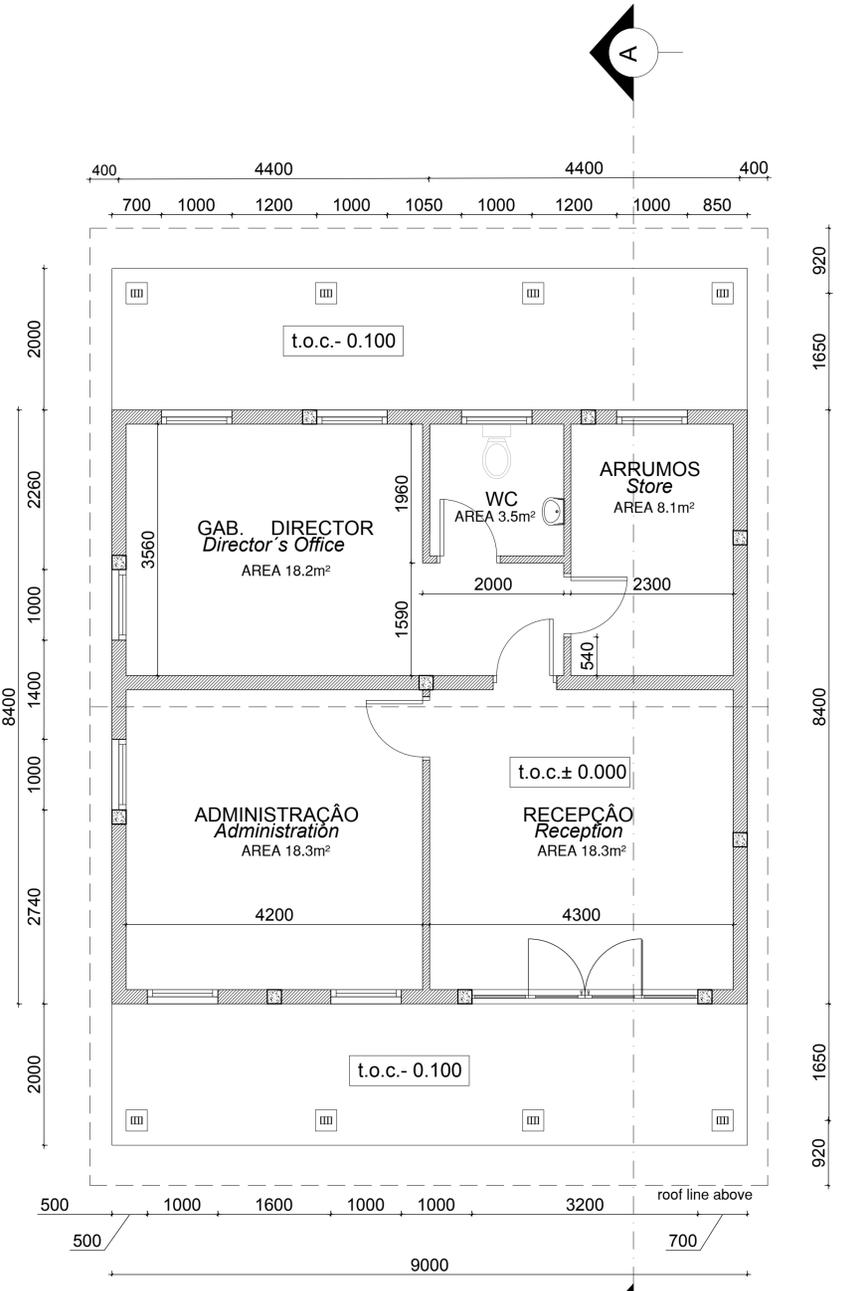
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ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E04-01111-01

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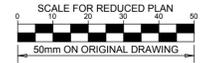


PLANTA DE COBERTURA.  
 Roof Plan  
 Escala/Scale 1:50



PLANTA DO PISO  
 Floor Plan  
 Escala/Scale 1:50

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**MESCF**  
arquitectos

NAME	SIGNATURE	DATE
DRAWN BY: AP		
CHECKED: MM		
DESIGNER: AP		
PR ENG:		
PROJECT ENG MANAGER: L PADAYACHEE		
LOCAL PR ENG:		
CLIENT: G MARAVIGLIA		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

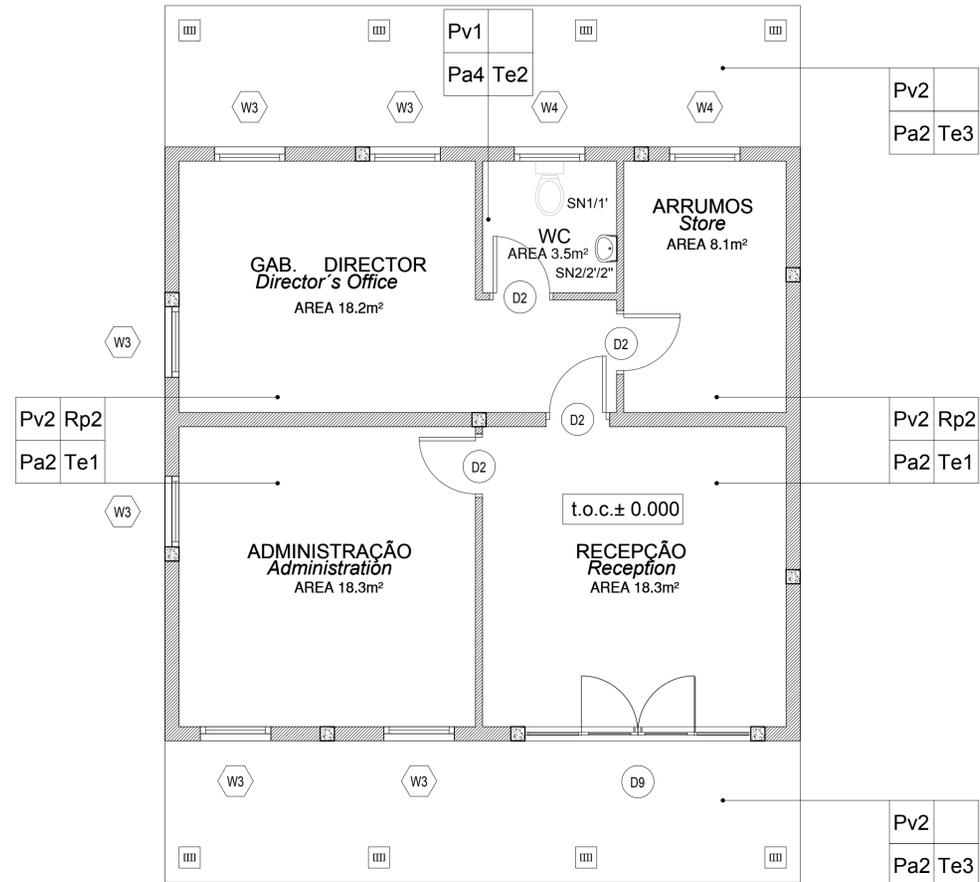
**Anadarko**  
Moçambique Area 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**  
DRAWING DESCRIPTION  
CENTRO COMUNITÁRIO  
MAPA DE ACABAMENTOS E  
LOCALIZAÇÃO DE VÃOS  
COMMUNITY CENTRE  
FINISHING & DOOR/WINDOW KEY PLAN

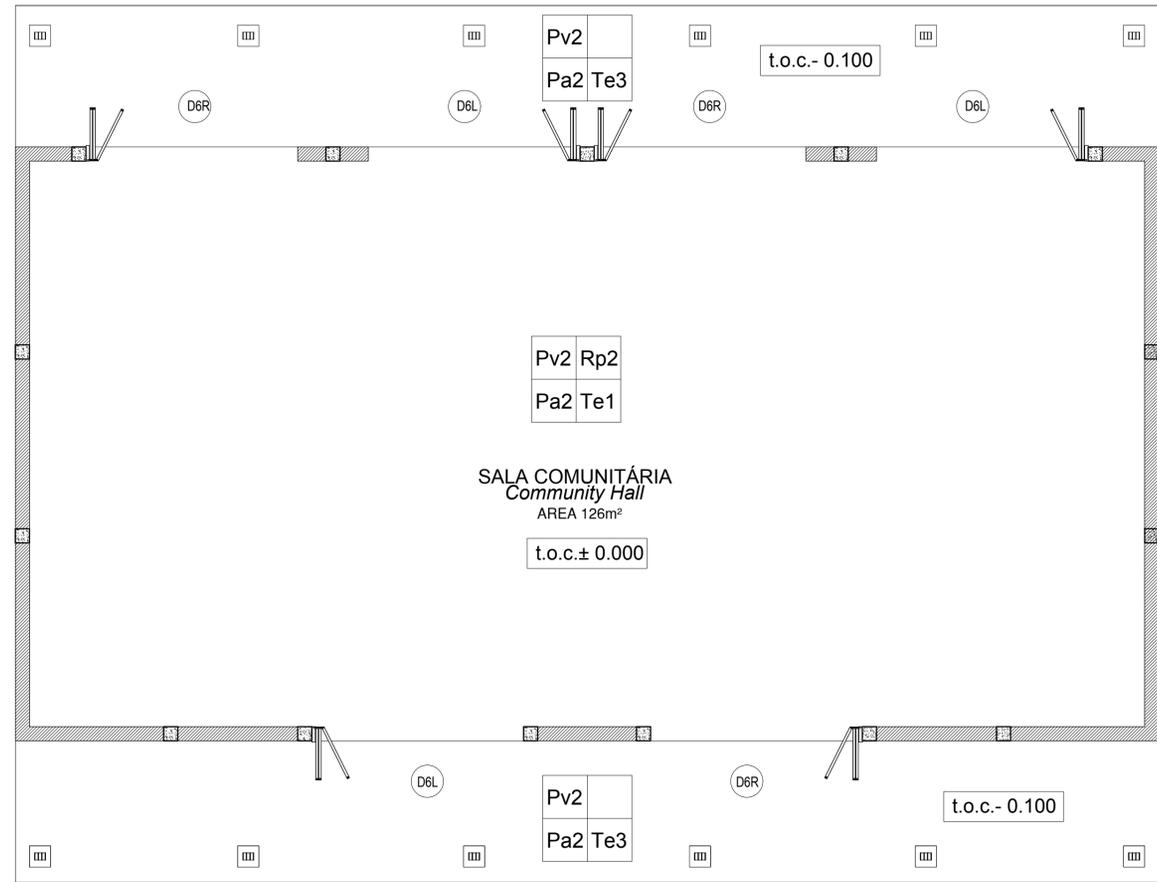
SCALE: 1:50 ORIGINAL DWG SIZE A1 DATE: NOVEMBER 2015

DRAWING NUMBER: C00290-00-AR-DLP-0144-001 REV NO: 0

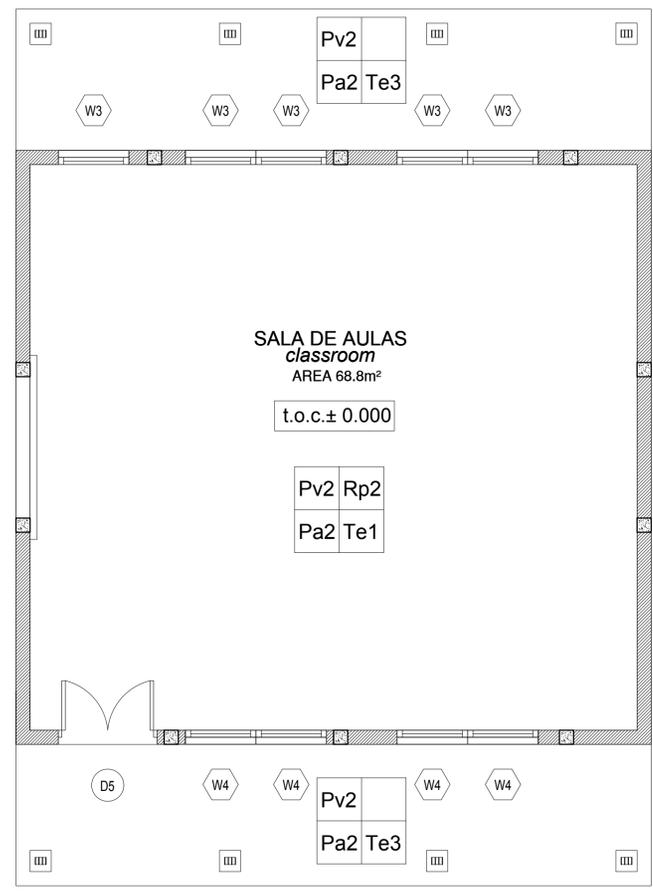
ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E04-00612-01



1 BLOCO ADMINISTRATIVO  
ADMINISTRATIVE BLOCK



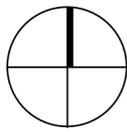
2 SALA COMUNITÁRIA  
COMMUNITY HALL



3 SALA DE AULAS  
CLASSROOM BLOCK

ACABAMENTOS / *Finishings*

<p><b>PAVIMENTOS / Pavements</b></p> <p>Pv1 - Mosaico cerâmico ou Tijoleira classe IV <i>Ceramic tiles class IV</i> Pv2 - Acabamento do pavimento em cimento queimado <i>Concrete floor to have power float finish</i></p> <p><b>TECTOS / Ceilings</b></p> <p>Te1 - Tecto falso em placas de gesso cartonado pintadas a tinta plastica <i>Ceiling in gypsum board, PVA painted.</i> Te2 - Tecto falso em placas de gesso cartonado, resistentes a humidade. <i>Ceiling in moisture resistant gypsum board, PVA Painted</i> Te3 - Tecto falso em placas NUTEC <i>Ceiling in NUTEC boards</i></p> <p><b>RODAPÉS / Skirtings</b></p> <p>Rp2 - Betonilha lisa pintada a tinta esmalte, com h=10cm <i>Plain granolithic enamel paint, with h=10cm</i></p> <p><b>COBERTURA / Roofs</b></p> <p>Co1 - Chapas metálicas esmaltadas com perfil IBR <i>Metallic enameled sheets with IBR profile</i></p>	<p><b>PAREDES / Walls</b></p> <p>Pa2 - Pintura com tinta esmalte de cor até 1.50m de altura (lambri) e tinta plástica sobre reboco liso até o tecto <i>Colour enamel paint until 1.50m height wainscoting PVA paint on plain plaster to ceiling height</i> Pa4 - Azulejos brancos 20x20cm h=2.10m <i>20x20cm white tiles h=2.10m</i></p> <p><b>SANITÁRIOS/Sanitary</b></p> <p>SN1 - Conjunto de sanita em porcelana, modelo "H441 Branca" da "Construa" ou similar <i>Toilet in porcelain, model "H441 White" from "Construa" or similar</i> SN1' - Porta rolos em porcelana <i>Toilet rolls holder in porcelain</i> SN2 - Lavatório e pedestal modelo "C356 Branco" em porcelana da "Construa" ou similar <i>Handwash basin and pedestal in porcelina in model "C356 White" from "Construa" or similar</i> SN2' - Toalheiro médio metálico cromado <i>Medium chromated metallic towel rack</i> SN2'' - Espelho com 40x40 cm. <i>Mirror with 40x40 cm.</i></p>	<p><b>PINTURA / Painting</b></p> <p>- Para especificações da pintura consultar documento em anexo. <i>- For all painting specifications refer to document in annex.</i></p>
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Walkway in "PolyCem polymer" or similar, colour to client

Passeio em "PolyCem polymer" ou semelhante, cor a ser decidida pelo cliente

ENTRADA PARA ESTACIONAMENTO  
PARKING ENTRANCE

ENTRADA  
MAIN ENTRANCE

ESTACIONAMENTO  
PARKING

## LEGENDA / LEGEND

- 01 SALA COMUNITÁRIA  
COMMUNITY CENTRE HALL
- 02 BLOCO ADMINISTRATIVO  
ADMINISTRATION
- 03 SALA DE AULAS  
CLASSROOM
- 04 ANFITEATRO  
AMPHITHEATER
- 05 LATRINAS  
PUBLIC TOILETS



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

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

ARCHITECTURAL  
EA-MZ-CI0100-WOR-E04-00901-01  
EA-MZ-CI0100-WOR-E04-00500-01  
EA-MZ-CI0100-WOR-E04-00605-01  
EA-MZ-CI0100-WOR-E04-01111-01  
EA-MZ-CI0100-WOR-E04-01112-01  
EA-MZ-CI0100-WOR-E04-01113-01  
EA-MZ-CI0100-WOR-E04-00612-01  
EA-MZ-CI0100-WOR-E05-00198-01  
EA-MZ-CI0100-WOR-E05-00046-01  
EA-MZ-CI0100-WOR-E05-00045-01

STRUCTURAL  
EA-MZ-CI0100-WOR-E05-00005-01  
EA-MZ-CI0100-WOR-E05-00006-01  
EA-MZ-CI0100-WOR-E05-00007-01  
EA-MZ-CI0100-WOR-E05-00008-01  
EA-MZ-CI0100-WOR-E05-00556-01  
EA-MZ-CI0100-WOR-E05-00557-01  
EA-MZ-CI0100-WOR-E05-00558-01  
EA-MZ-CI0100-WOR-E04-00030-01  
EA-MZ-CI0100-WOR-E05-00083-01  
EA-MZ-CI0100-WOR-E05-00084-01  
EA-MZ-CI0100-WOR-E05-00516-01  
EA-MZ-CI0100-WOR-E05-00517-01  
EA-MZ-CI0100-WOR-E05-00518-01  
EA-MZ-CI0000-WOR-E05-00052-01

WATER  
EA-MZ-CI0100-WOR-E05-00595-01  
EA-MZ-CI0100-WOR-E05-00595-02  
EA-MZ-CI0100-WOR-E05-00595-03

ELECTRICAL  
EA-MZ-CI0100-WOR-E02-00532-01  
EA-MZ-CI0100-WOR-E02-00531-01  
EA-MZ-CI0100-WOR-E02-00530-01  
EA-MZ-CI0100-WOR-E02-00535-01

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NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	12/08/15	MM	AP	ISSUED FOR INTERNAL REVIEW
B	12/08/15	MM	AP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	AP	ISSUED CLIENT APPROVAL
0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION



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	NAME	SIGNATURE	DATE
DRAWN BY:	AP		
CHECKED :	MM		
DESIGNER :	AP		
PROJECT ENG MANAGER	L PADAYACHEE		
LOCAL PR ENG :			
CLIENT:			

CLIENT



PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
CENTRO COMUNITÁRIO  
PLANTA DE IMPLANTAÇÃO  
COMMUNITY CENTRE SITE PLAN

SCALE 1:500 ORIGINAL DWG SIZE A2 DATE NOV 2015

DRAWING NUMBER C00290-00-AR-DLP-0108-001 REV NO 0

ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E04-00605-01

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

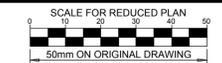
THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL  
 EA-MZ-CI0100-WOR-E04-00901-01  
 EA-MZ-CI0100-WOR-E04-00500-01  
 EA-MZ-CI0100-WOR-E04-00605-01  
 EA-MZ-CI0100-WOR-E04-01111-01  
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STRUCTURAL  
 EA-MZ-CI0100-WOR-E05-00005-01  
 EA-MZ-CI0100-WOR-E05-00006-01  
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WATER  
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ELECTRICAL  
 EA-MZ-CI0100-WOR-E02-00532-01  
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 EA-MZ-CI0100-WOR-E02-00530-01  
 EA-MZ-CI0100-WOR-E02-00535-01



NOTES

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NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	12/08/15	MM	AP	ISSUED FOR INTERNAL REVIEW
B	12/08/15	MM	AP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	AP	ISSUED CLIENT APPROVAL
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**MESCH**  
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	NAME	SIGNATURE	DATE
DRAWN BY:	AP		
CHECKED:	MM		
DESIGNER:	AP		
PR ENG:			
PROJECT ENG MANAGER:	L PADAYACHEE		
LOCAL PR ENG:			
CLIENT:			

CLIENT

**MOZAMBIQUE**  
 GAS DEVELOPMENT PROJECT

**Anadarko**  
 Moçambique Área 1, Lda

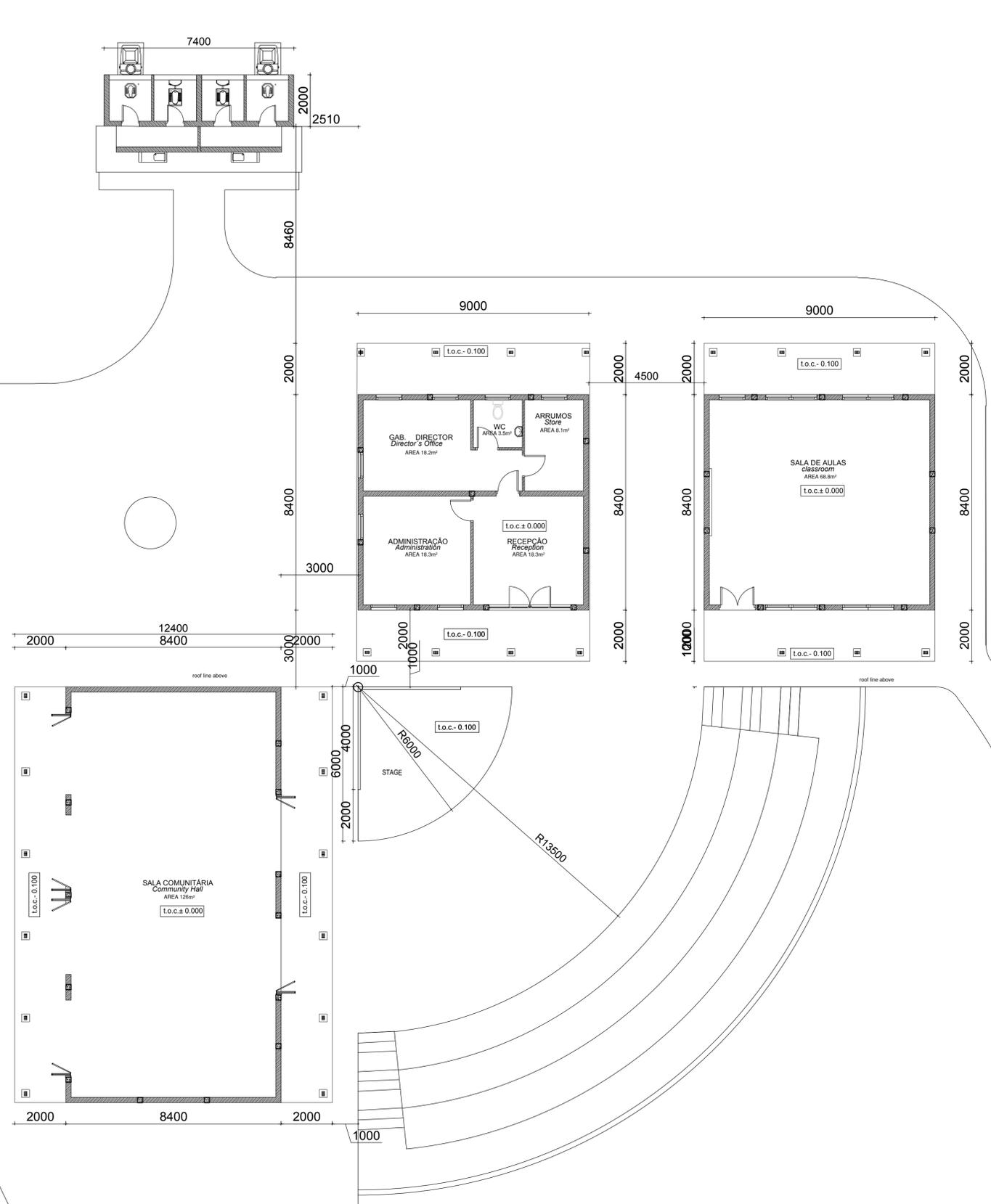
PROJECT  
**AMA 1  
 RESETTLEMENT  
 VILLAGE**

DRAWING DESCRIPTION  
 LAYOUT DO CENTRO COMUNITÁRIO  
 COMMUNITY CENTRE LAYOUT

SCALE: 1:100 ORIGINAL DWG SIZE A1 DATE: NOVEMBER 2015

DRAWING NUMBER: C00290-00-AR-DLP-0015-001 REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E04-00500-01





**NOTES**

REFER TO STRUCTURAL GENERAL NOTES  
EA-MZ-CI000-WOR-B18-0001-01

REFER TO ARCHITECTS DRAWING  
EA-MZ-CI0100-WOR-E04-00605-01

REFER TO FOUNDATION REINFORCEMENT  
EA-MZ-CI0100-WOR-E05-00083-01 &  
SLAB REINFORCEMENT  
EA-MZ-CI0100-WOR-E05-00084-01

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A	03/11/15	TS	NR	ISSUED FOR INTERNAL REVIEW
B	03/11/15	TS	NR	ISSUED FOR DETAIL DESIGN
C	03/11/15	TS	NR	ISSUED FOR SQUAD CHECK
D	04/11/15	TS	NR	ISSUED FOR CLIENT REVIEW
E	17/11/15	TS	NR	ISSUED FOR CLIENT APPROVAL
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NAME	SIGNATURE	DATE
DRAWN BY: N ROBINSON	<i>N Robinson</i>	03/12/15
CHECKED: T SNYDERS	<i>T Snymers</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snymers</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT: G MARAVIGLIA		

CLIENT



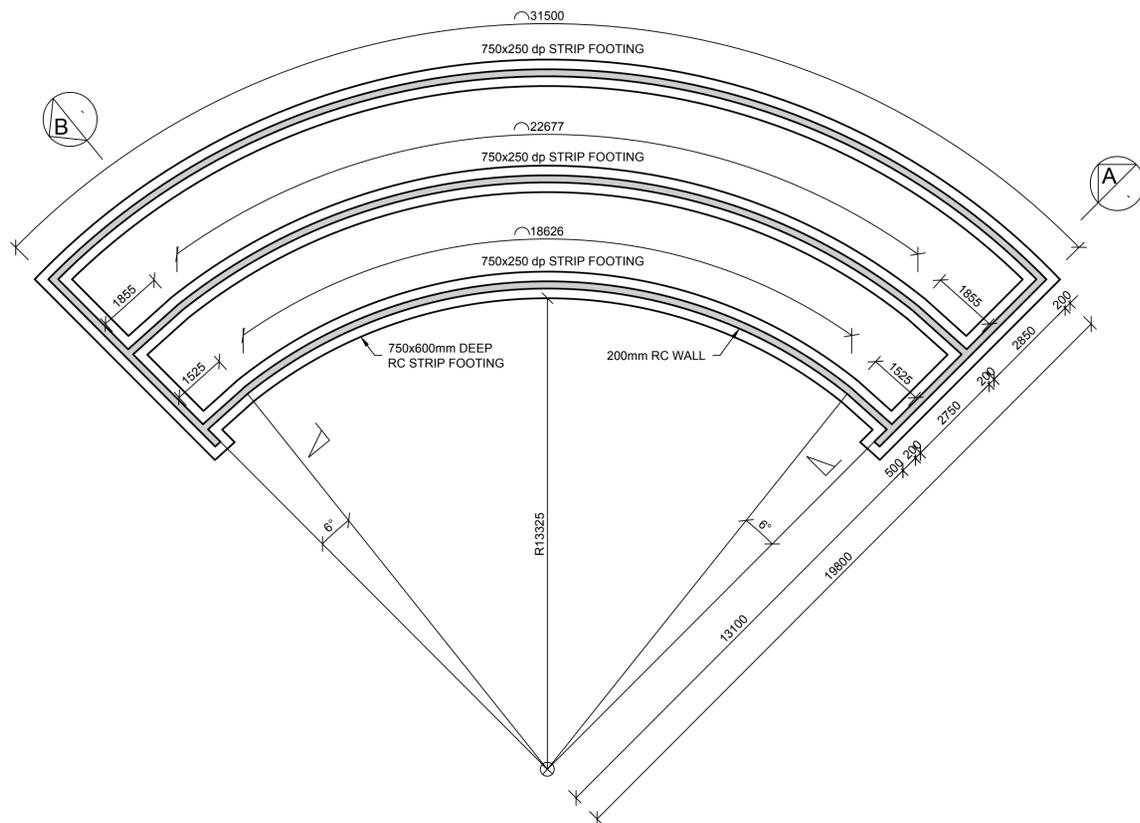
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**AMA 1  
RESETTLEMENT  
VILLAGE**  
DRAWING DESCRIPTION

**COMMUNITY CENTER:  
AMPHITHEATER LAYOUT**

SCALE: AS SHOWN ORIGINAL DWG SIZE A1 DATE: DEC 2015

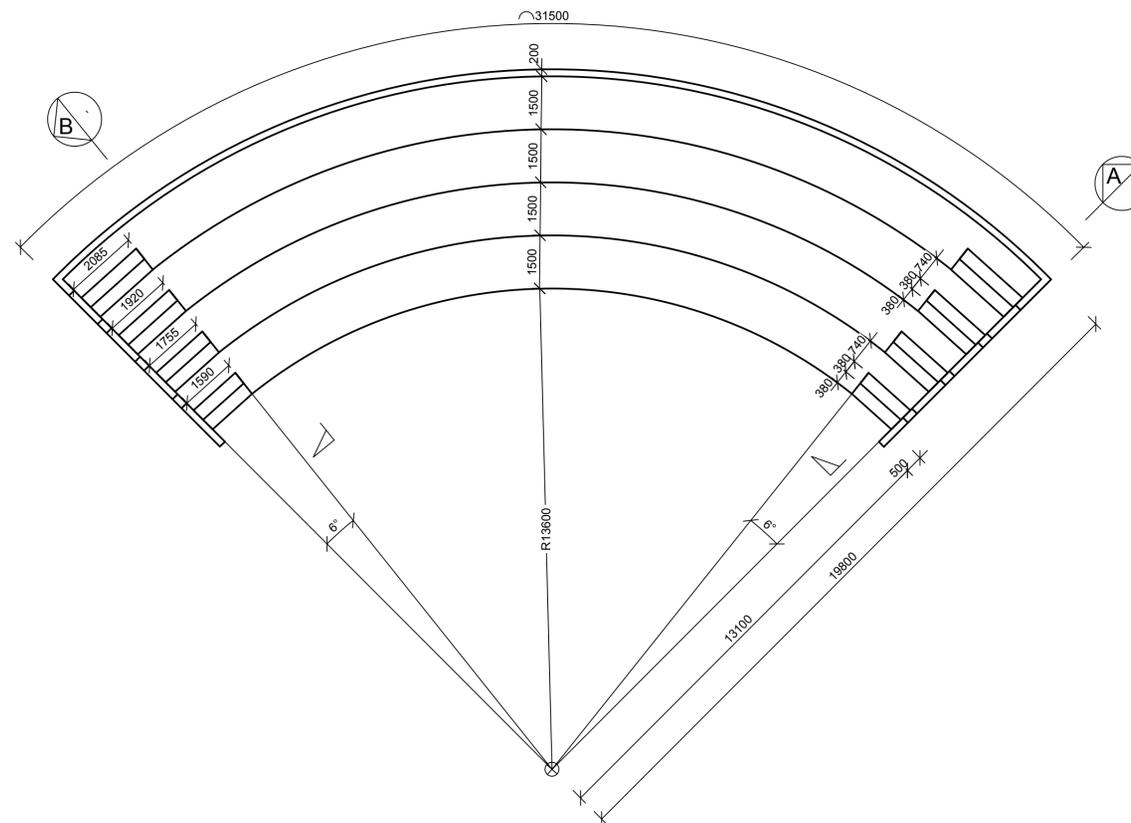
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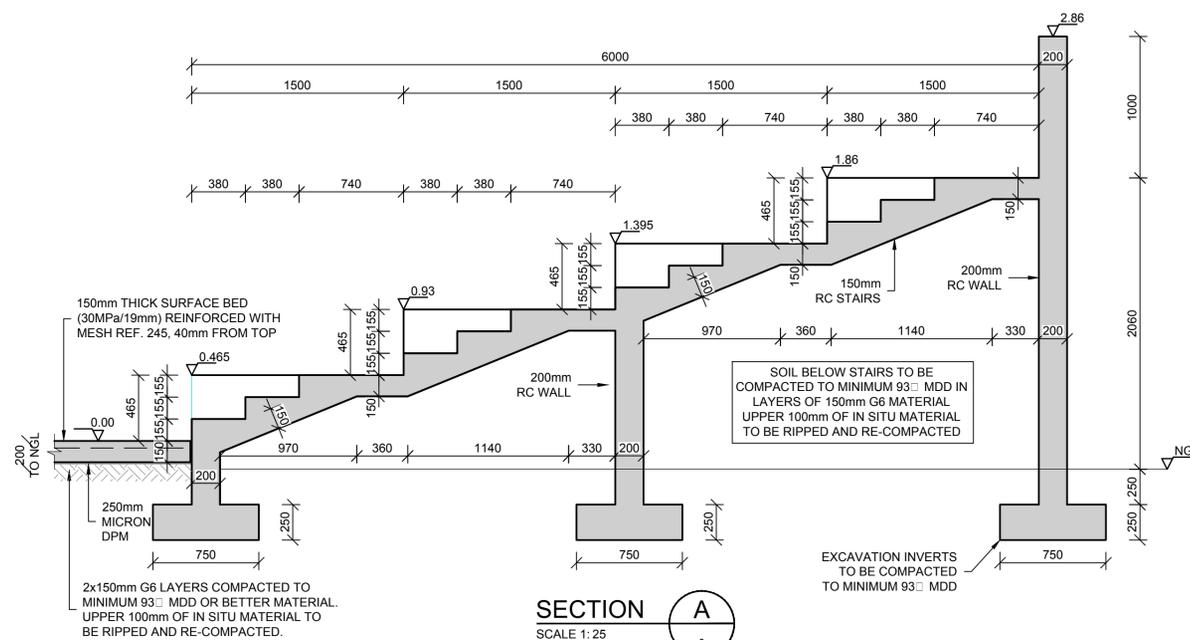
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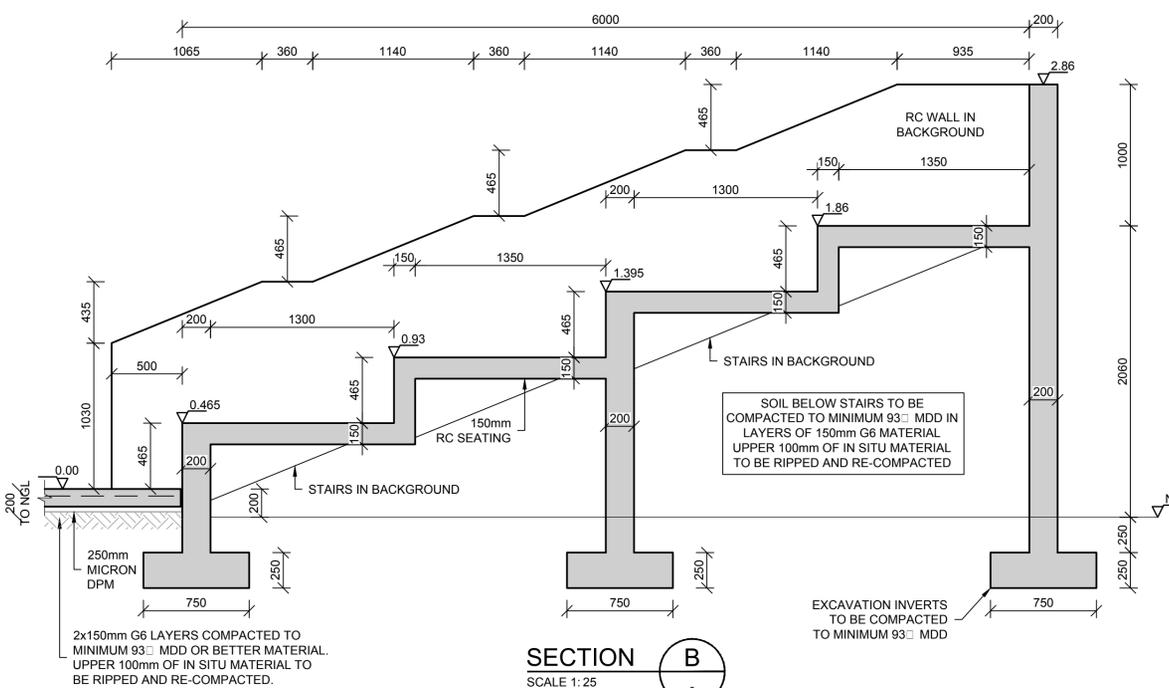
**SLAB LAYOUT**

SCALE 1 : 100



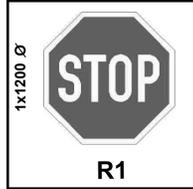
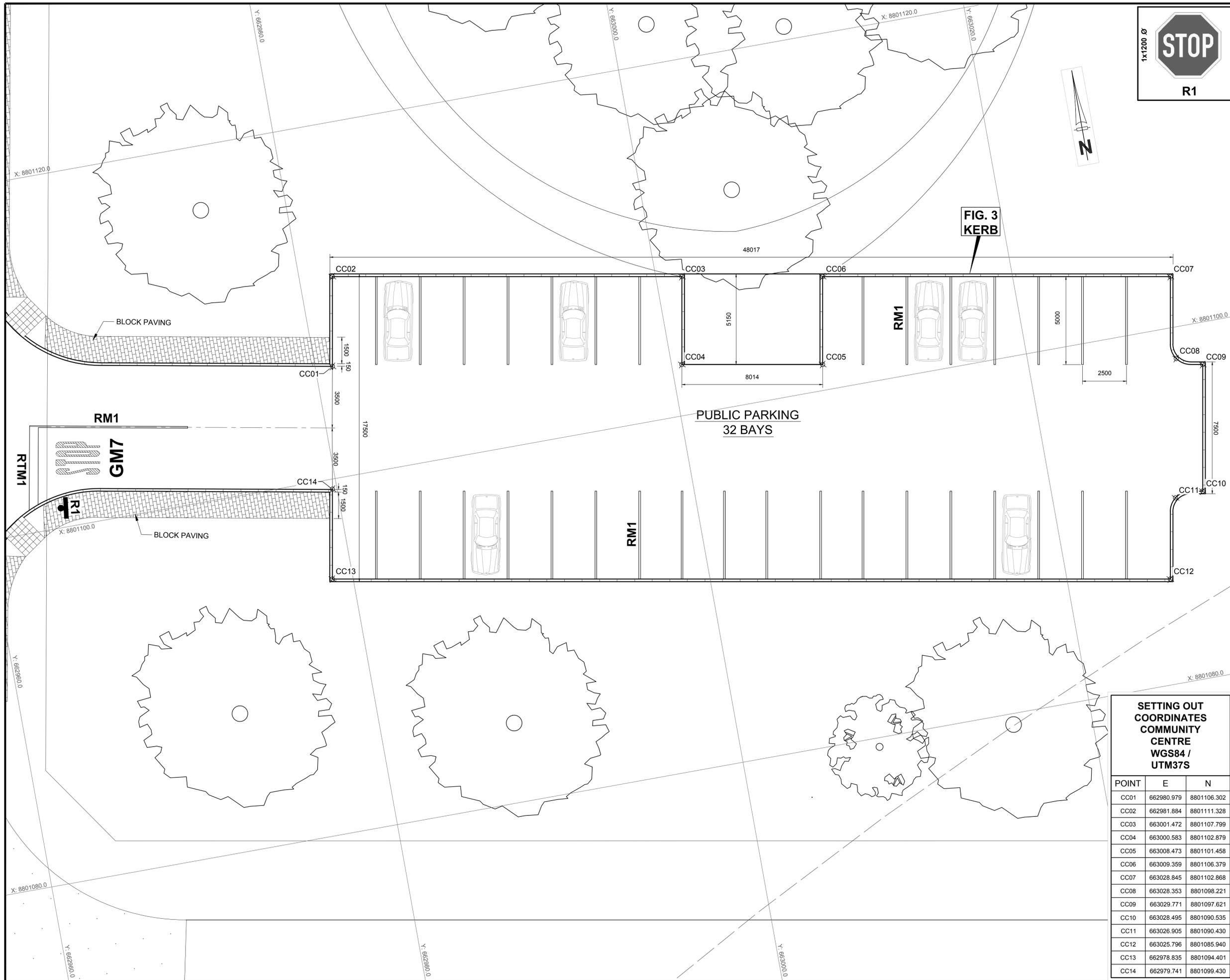
**SECTION A**

SCALE 1:25



**SECTION B**

SCALE 1:25



**NOTES**

**LEGEND**

RM1 = 100 mm WIDTH  
RTM1 = 500 mm WIDTH

REFERENCE DWG's No:  
1. EA-MZ-CI000-WOR-E05-00016-06

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NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	04/08/15	D. d T.	A.U.	ISSUED FOR INTERNAL REVIEW
B	09/09/15	D. d T.	A.U.	ISSUED FOR DETAIL DESIGN
C	28/09/15	D. d T.	A.U.	ISSUED FOR SQUAD CHECK
D	13/10/15	D. d T.	A.U.	ISSUED FOR CLIENT REVIEW
E	30/10/15	D. d T.	A.U.	ISSUED FOR CLIENT APPROVAL
0	01/12/15	D. d T.	A.U.	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: A.UJMA		01/12/2015
CHECKED: D. du TOIT		01/12/2015
DESIGNER: R. van SCHALKWYK		01/12/2015
PR ENG: D. du TOIT Pr. No. 201170110		01/12/2015
PROJECT ENG: L. PADAYACHEE Pr. No.		01/12/2015
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

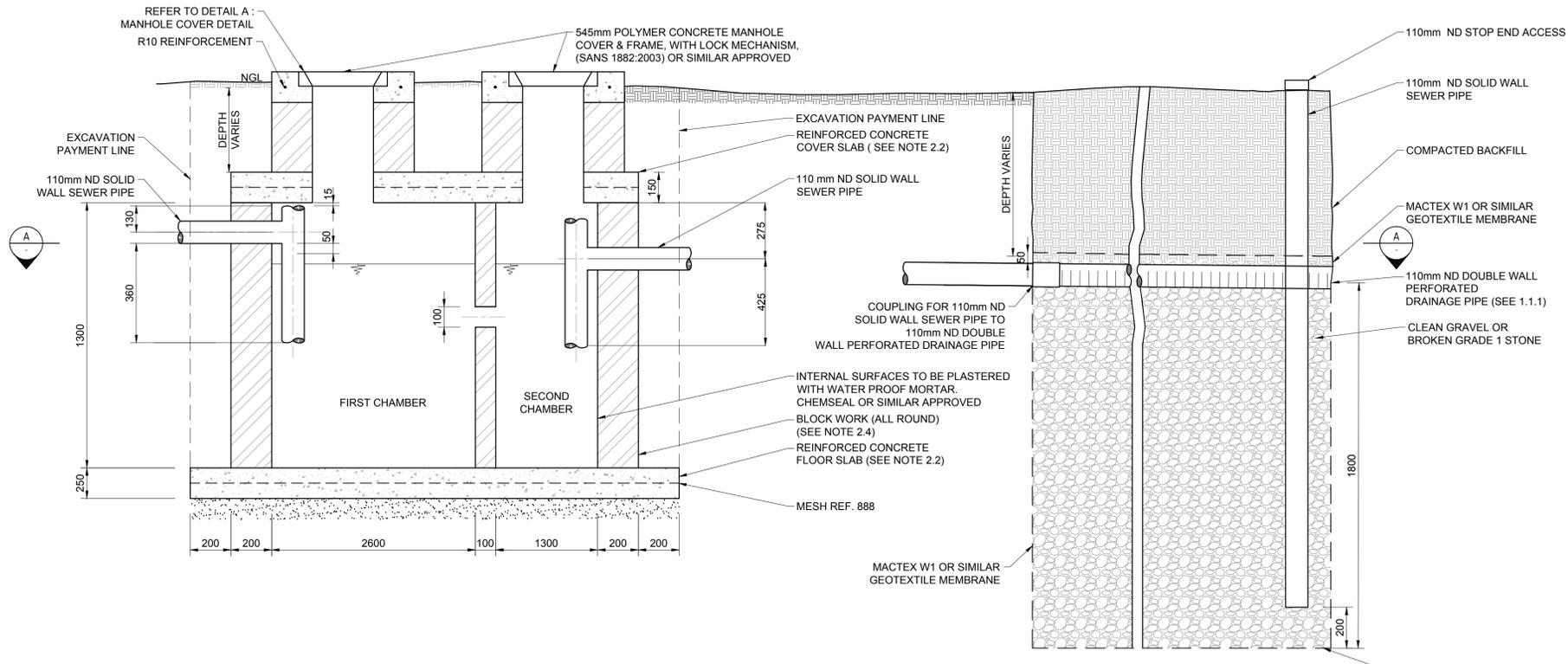
PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**PARKING AREA  
COMMUNITY CENTRE**

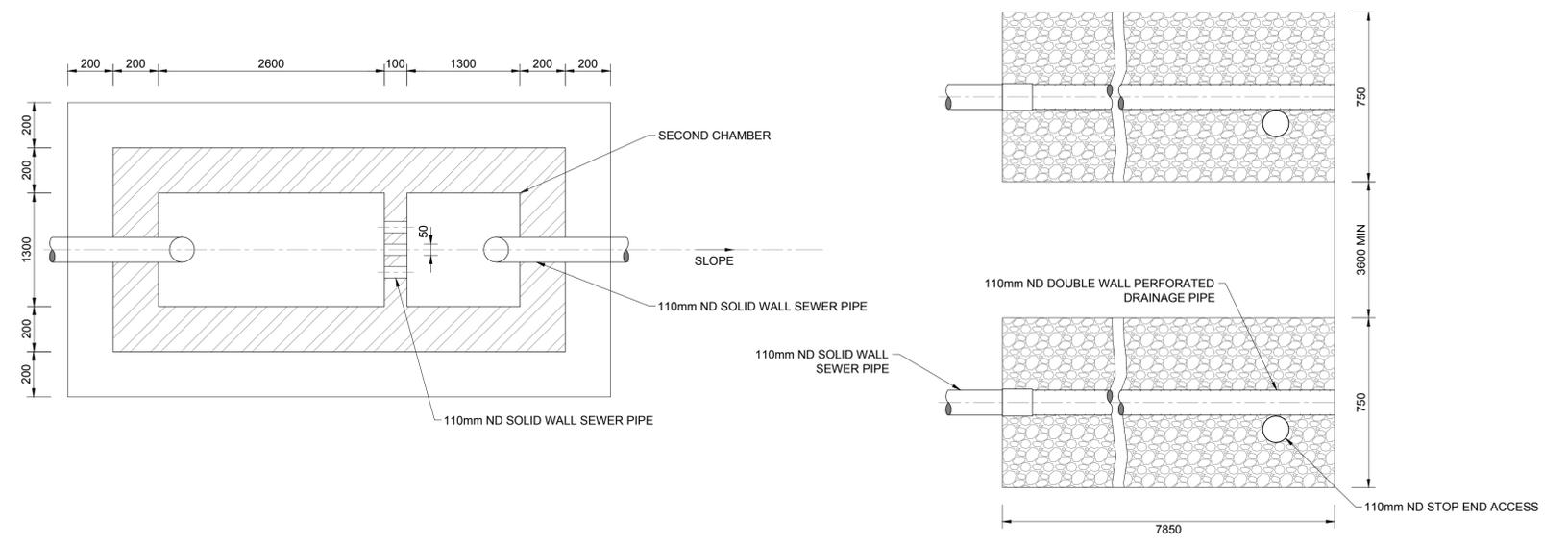
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COMMUNITY CENTRE  
WGS84 / UTM37S**

POINT	E	N
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CC02	662981.884	8801111.328
CC03	663001.472	8801107.799
CC04	663000.583	8801102.879
CC05	663008.473	8801101.458
CC06	663009.359	8801106.379
CC07	663028.845	8801102.868
CC08	663028.353	8801098.221
CC09	663029.771	8801097.621
CC10	663028.495	8801090.535
CC11	663026.905	8801090.430
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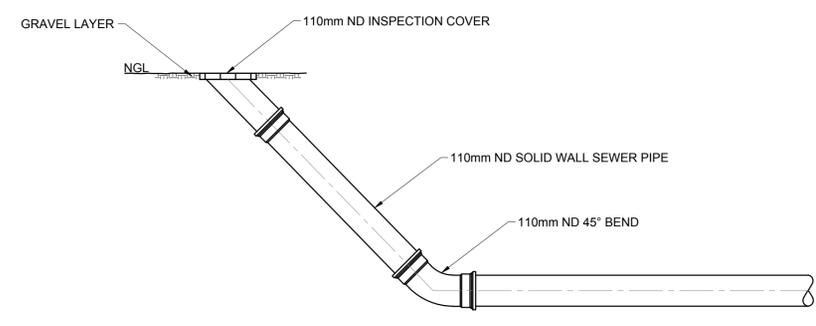
SCALE 1:100 <small>ORIGINAL DWG SIZE A1</small>	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-CL-DLP-0016-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI000-WOR-E05-00052-01	



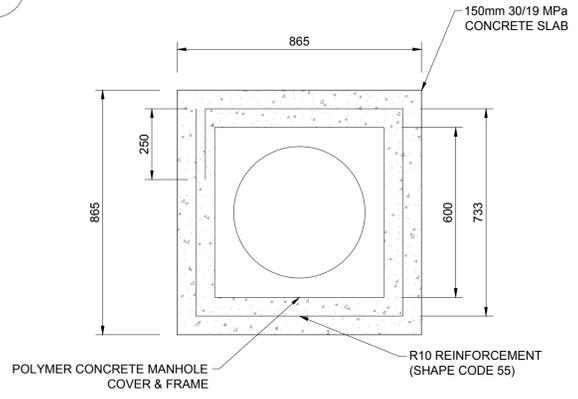
**TYPICAL SIDE SECTION DETAIL (SCHEMATIC)**  
N.T.S.



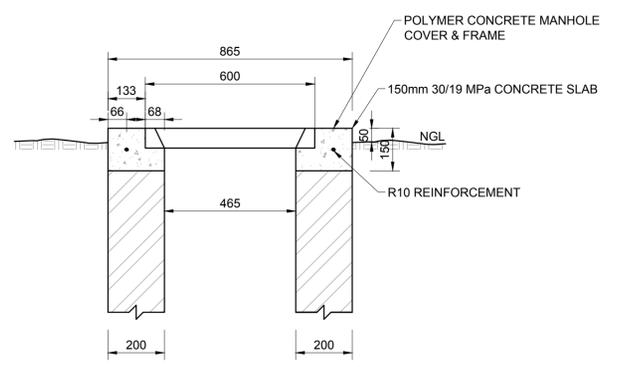
**SECTION A**  
N.T.S.



**END LINE INSPECTION EYE DETAIL**  
N.T.S.



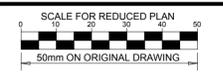
**DETAIL A: DETAIL OF MANHOLE COVER**  
N.T.S.



- 1. SOAK AWAYS**
- 1.1 CONSTRUCTION OF SOAK AWAYS:**
- 1.1.1 USE PERFORATED DRAINAGE PIPES, WITH THE SLOTS/HOLES AT THE BOTTOM, LAY IN TRENCHES OF A UNIFORM GRADIENT NOT STEEPER THAN 1:200. PERFORATED 'FLEXICOL' TYPE PIPE IS NOT ALLOWED.
  - 1.1.2 THE LENGTH OF A SINGLE TRENCH SHOULD NOT EXCEED 30m.
  - 1.1.3 PIPES SHOULD BE LAID ON CLEAN GRAVEL OR BROKEN GRADE 1 STONE (20mm - 50mm).
  - 1.1.4 SOAK AWAY TRENCHES SHOULD BE FILLED TO A LEVEL OF 50mm ABOVE THE PIPE AND COVERED WITH A LAYER OF GEOTEXTILE MEMBRANE TO PREVENT ENTRY OF FINES.
  - 1.1.5 THE REMAINDER OF THE SOAK AWAY TRENCH CAN BE FILLED WITH EXCAVATED MATERIAL.
  - 1.1.6 THE SOAK AWAY AND ASSOCIATED DRAINAGE MUST COMPLY WITH SANS 0252-2 AND SANS 10400-P:2010.
  - 1.1.7 THE AREA OF THE SOAK AWAY IS CALCULATED AFTER CARRYING OUT A MINIMUM OF THREE PERCOLATION TESTS IN THE PROPOSED DRAIN FIELD AREA, OVER THREE CONSECUTIVE DAYS AND APPLYING A FORMULA AS DETAILED IN SANS 10400-P: 2010.
  - 1.1.8 DRAINAGE TRENCHES SHOULD BE 750mm WIDE WITH AREAS OF UNDISTURBED GROUND OF MINIMUM 3.6m WIDE BETWEEN PARALLEL TRENCHES.
  - 1.1.9 A SOAK AWAY SHALL:
    - a) BE SO CONSTRUCTED AND LOCATED AS NOT TO CAUSE THE POLLUTION OF ANY SPRING, STREAM, WELL OR OTHER SOURCE OF WATER WHICH IS USED OR IS LIKELY TO BE USED, FOR DRINKING, DOMESTIC USE OR KITCHEN PURPOSES.
    - b) BE SO POSITIONED THAT THE FOUNDATIONS OF ADJACENT BUILDINGS ARE NOT ADVERSELY AFFECTED BY ITS DISCHARGE, AND
    - c) BE NOT LESS THAN 3m FROM ANY BUILDING OR BOUNDARY OF THE SITE ON WHICH IT IS SITUATED.
  - 1.1.10 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 SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION DOWNHILL OF SUCH WATER SOURCE IS NOT POSSIBLE, SOAK AWAYS SHOULD BE LOCATED AT LEAST 50m FROM THE WATER SOURCE.
  - 1.1.11 SOAK AWAYS SHOULD PREFERABLY BE CONSTRUCTED ALONG THE CONTOUR OF THE SOIL SURFACE.
  - 1.1.12 LENGTH OF SOAK AWAY DETERMINED IN ACCORDANCE WITH SANS 10400-P:2010.
  - 1.1.13 NO SOAK AWAY SHALL BE CONSTRUCTED:
    - a) IN GROUND THAT HAS A PERCOLATION RATE THAT EXCEEDS 30 MINUTES (REFER TO SANS 10400-P:2010)
    - b) WHERE EFFLUENT MIGHT FLOW OUT DUE TO THE CONTOURS OF, OR THE STRATA FORMING, THE GROUND.
    - c) WHERE THE SITE TO BE AFFECTED BY SUCH EFFLUENT IS OF INSUFFICIENT SIZE TO ACCOMMODATE THE SOAKING AWAY OF THE EFFLUENT; OR
    - d) WHERE THE LEVEL OF THE WATER TABLE IS, OR MIGHT BE, SUCH AS TO PREVENT ADEQUATE PERCOLATION.

- 2. STRUCTURAL**
- 2.1 ALL SEPTIC TANK EXCAVATION INVERTS TO BE COMPACTED TO 93% MOD AASHTO (MINIMUM).
  - 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	
ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00595-01	COMMUNITY FACILITIES: COMMUNITY CENTRE: WATER AND SANITATION LAYOUT SHEET 1 of 3
EA-MZ-CI0100-WOR-E05-00595-02	COMMUNITY FACILITIES: COMMUNITY CENTRE: DETAILS OF TOILET FACILITIES SHEET 2 of 3



**NOTES**

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B	16/09/15	LL	WWS	ISSUED FOR DETAIL DESIGN
C	29/09/15	LL	WWS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	WWS	ISSUED FOR CLIENT REVIEW
E	06/11/15	LL	WWS	ISSUED FOR CLIENT APPROVAL
0	03/12/15	LL	WWS	ISSUED FOR CONSTRUCTION

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PR ENG: LH LOUW 20090253	<i>[Signature]</i>	03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE	<i>[Signature]</i>	03/12/2015
LOCAL PR ENG:		
CLIENT:		



PROJECT  
**AMA 1 RESETTLEMENT VILLAGE**  
DRAWING DESCRIPTION  
**COMMUNITY FACILITIES: COMMUNITY CENTRE: DETAILS OF SEPTIC TANK INSTALLATION**  
SHEET 3 OF 3

SCALE: AS SHOWN	DATE: DECEMBER 2015
DRAWING NUMBER: C00290-00-WW-DRD-0020-003	REV NO: 0
ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E05-00595-03	



**NOTES**

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.

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B	16/09/15	LL	CS	ISSUED FOR DETAIL DESIGN
C	30/09/15	LL	WVS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	WVS	ISSUED FOR CLIENT REVIEW
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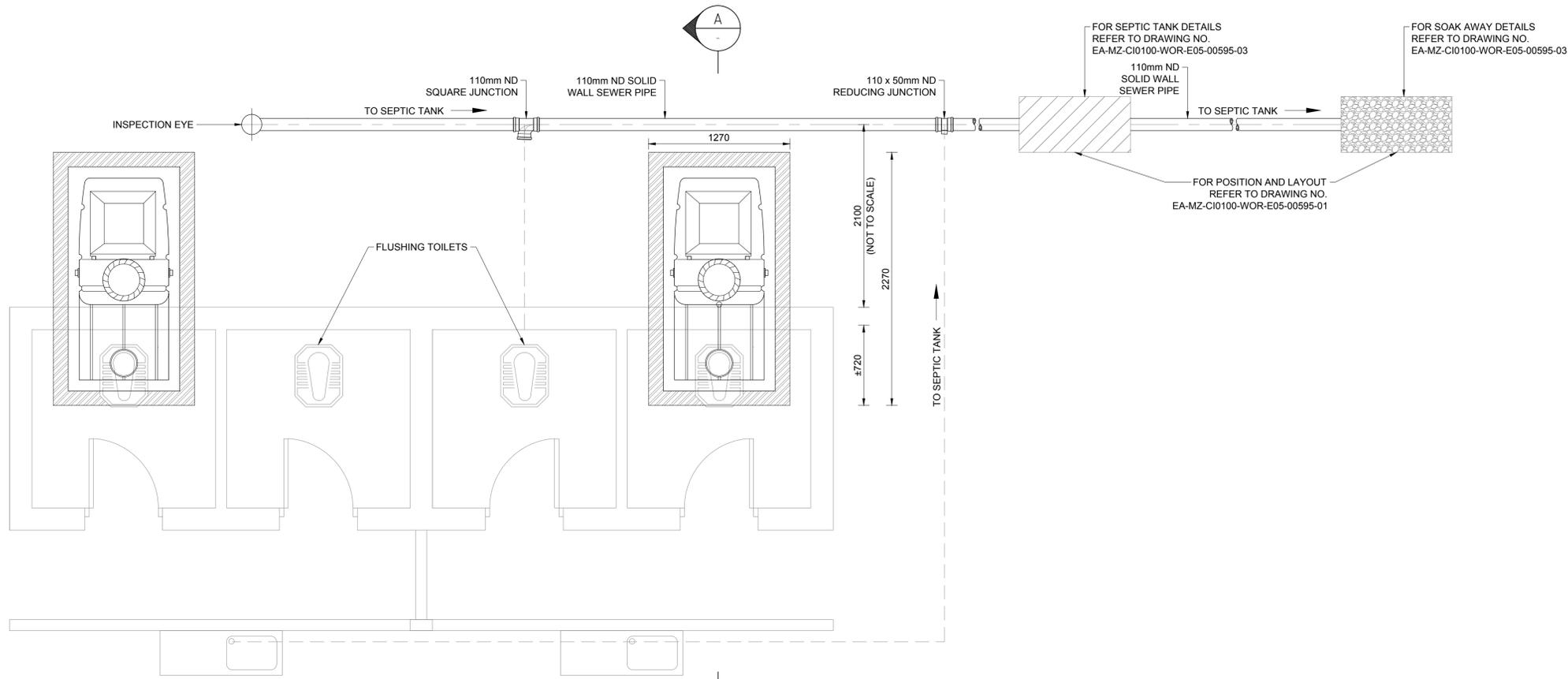
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NAME	SIGNATURE	DATE
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DESIGNER: L LOUW		03/12/2015
PR ENG: L LOUW 20090253		03/12/2015
PROJECT ENG. MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		



PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**  
DRAWING DESCRIPTION  
**COMMUNITY FACILITIES  
COMMUNITY CENTRE:  
DETAILS OF TOILET  
FACILITIES**  
SHEET 2 OF 3

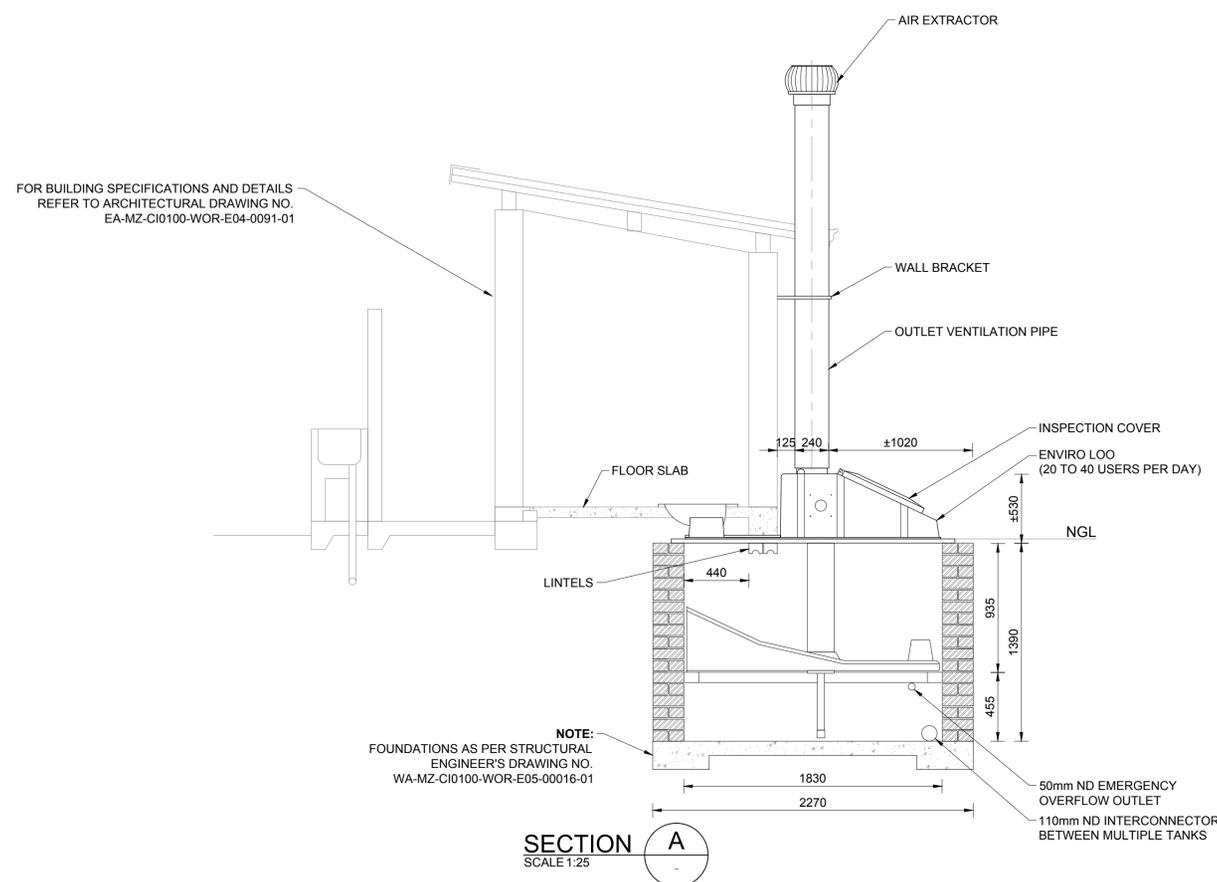
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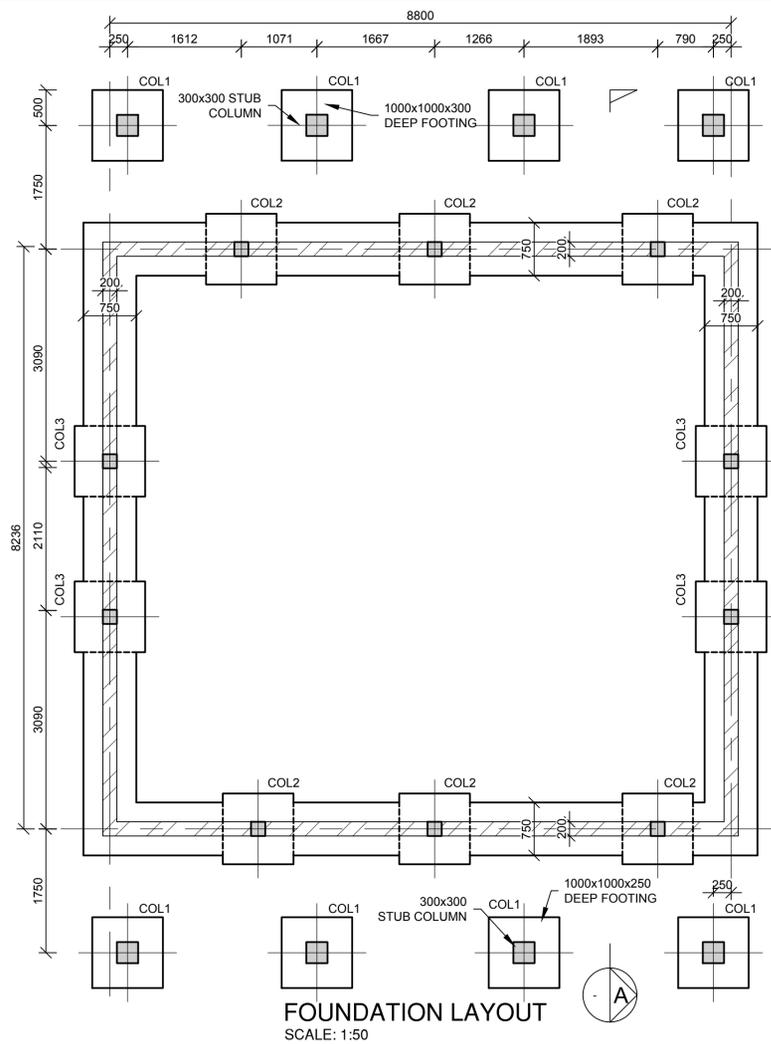
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SCALE 1:25

**REFERENCES**

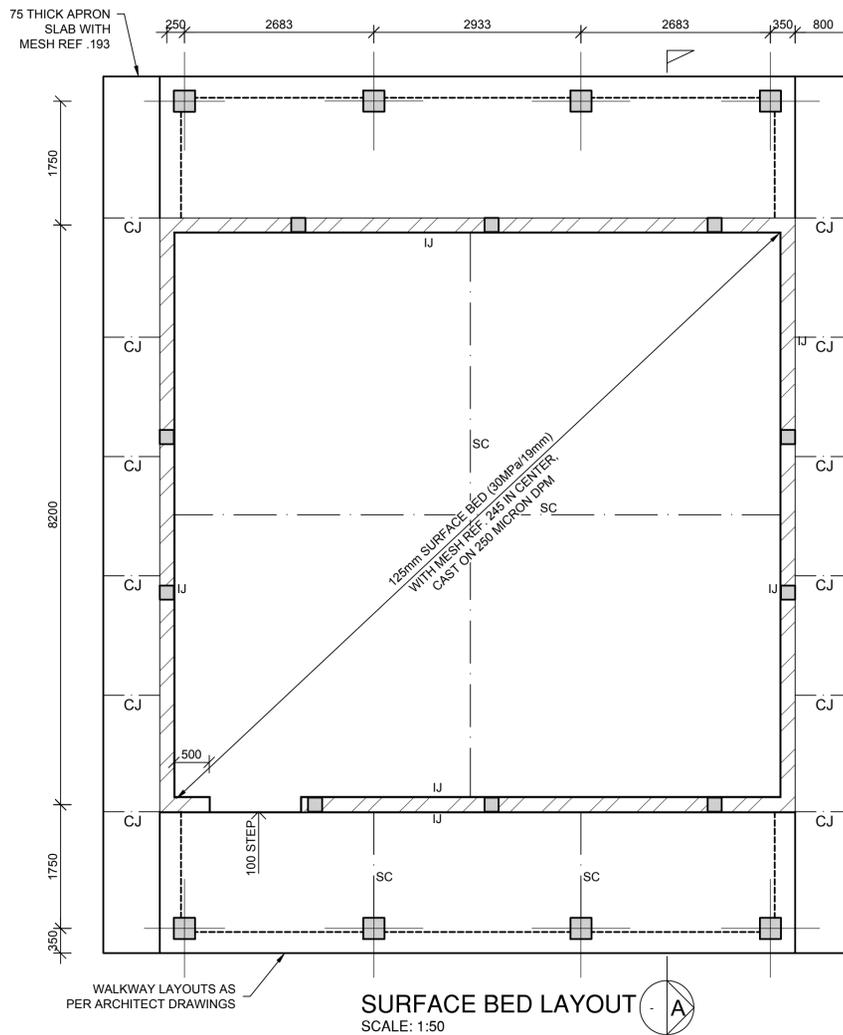
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EA-MZ-CI0100-WOR-E05-00595-01	COMMUNITY FACILITIES: COMMUNITY CENTRE: WATER AND SANITATION LAYOUT SHEET 2 OF 3
EA-MZ-CI0100-WOR-E05-00595-03	COMMUNITY FACILITIES: COMMUNITY CENTRE: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0100-WOR-E05-00111-01	COMMUNITY FACILITIES: COMMUNITY CENTRE: TOILETS: INTERNAL RETICULATIONS



**SECTION A**  
SCALE 1:25



FOUNDATION LAYOUT  
SCALE: 1:50

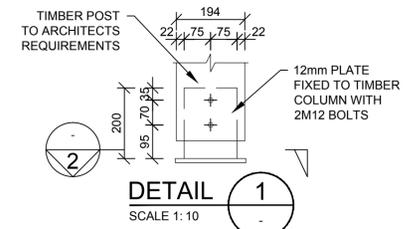


SURFACE BED LAYOUT  
SCALE: 1:50

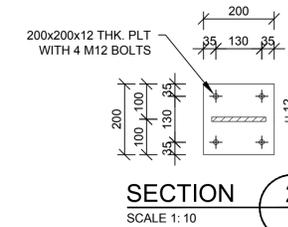
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 COL 2 200x200mm COL, 1000x1000x300mm BASE TO LEVEL T.O.C. = 2.92m  
 COL 3 200x200mm COL, 1000x1000x300mm BASE TO LEVEL T.O.C. = 4.20m

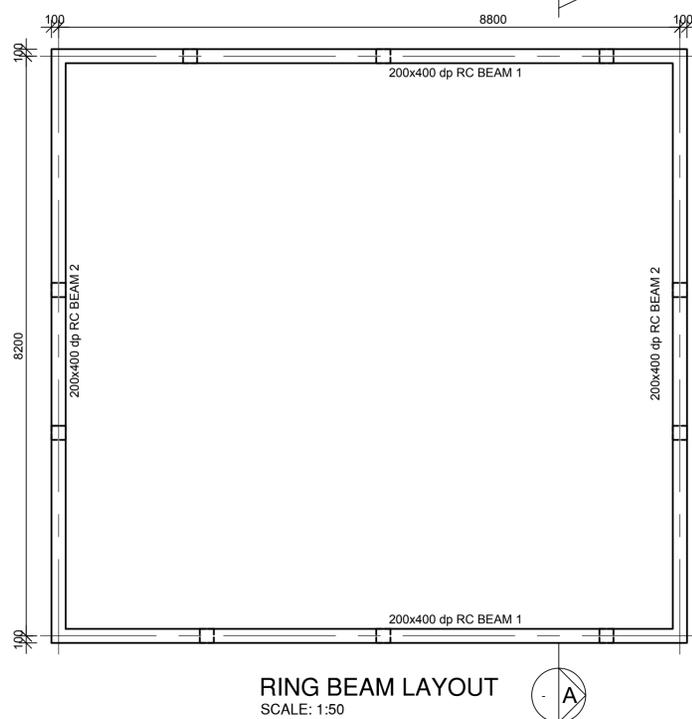
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 ALL COLUMNS ARE CENTERED ON BASES, UNLESS INDICATED OTHERWISE



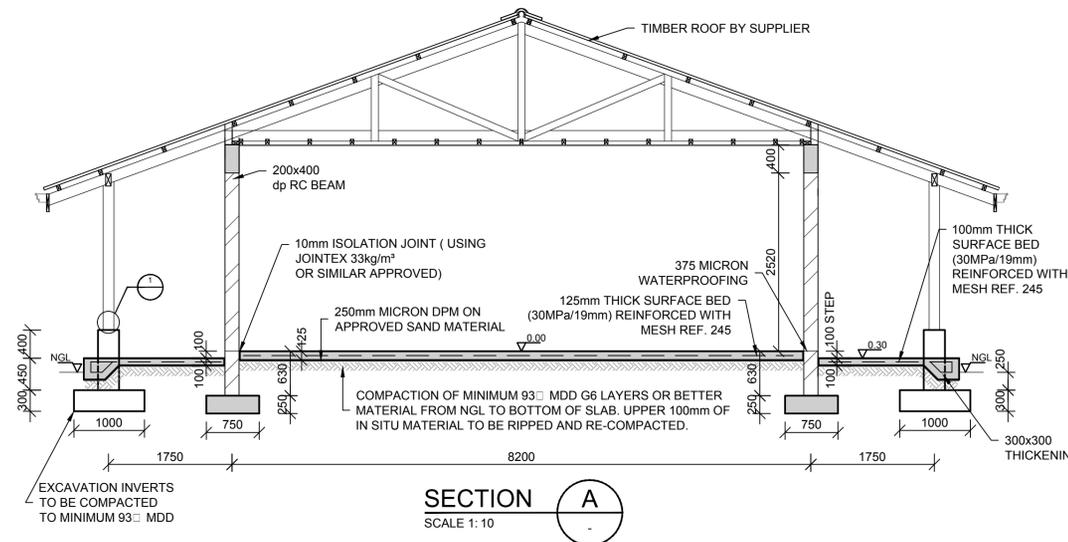
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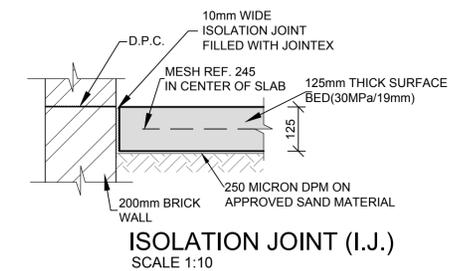
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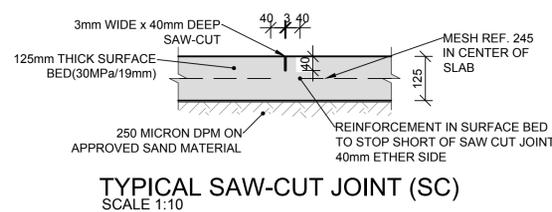
RING BEAM LAYOUT  
SCALE: 1:50



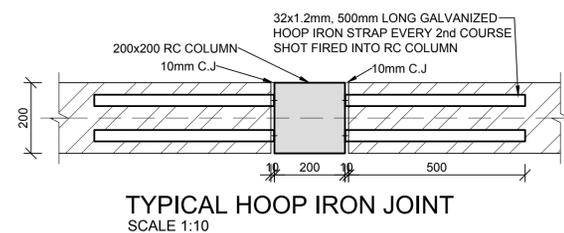
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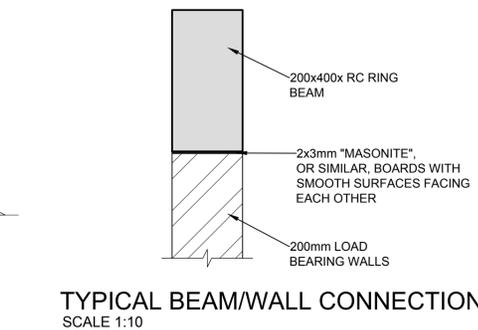
ISOLATION JOINT (I.J.)  
SCALE 1:10



TYPICAL SAW-CUT JOINT (SC)  
SCALE 1:10



TYPICAL HOOP IRON JOINT  
SCALE 1:10



TYPICAL BEAM/WALL CONNECTION  
SCALE 1:10



**NOTES**

REFER TO STRUCTURAL GENERAL NOTES  
 EA-MZ-CI000-WOR-B18-00001-01

REFER TO ARCHITECTS DRAWING  
 EA-MZ-CI0100-WOR-E04-01113-01

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 EA-MZ-CI0100-WOR-E05-00518-01

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C	11/08/15	TS	NR	ISSUED FOR SQUAD CHECK
C1	04/09/15	TS	NR	RE-ISSUED FOR SQUAD CHECK
D	29/09/15	TS	NR	ISSUED FOR CLIENT REVIEW
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0	03/12/15	TS	NR	ISSUED FOR CONSTRUCTION

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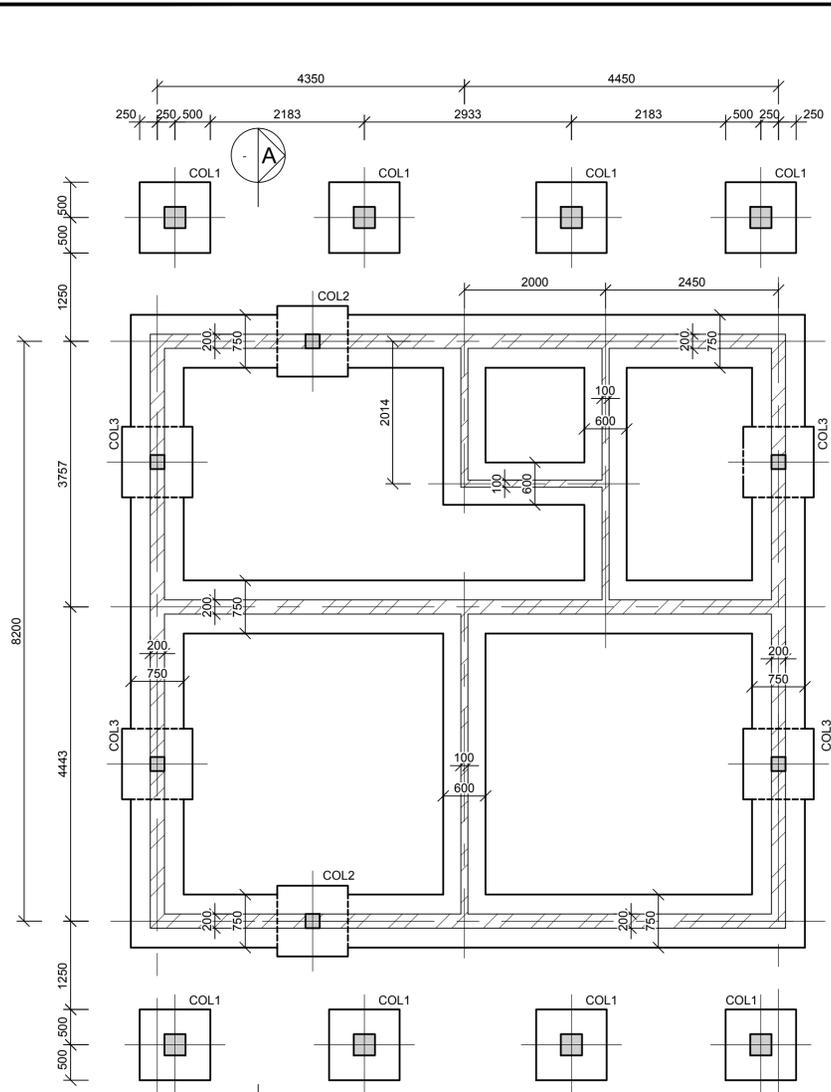
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DESIGNER:	T SNYDERS	03/12/15
PR ENG:	I ROBINSON	03/12/15
PROJECT ENG MANAGER	L PADAYACHEE	03/12/15
LOCAL PR ENG:		
CLIENT:		

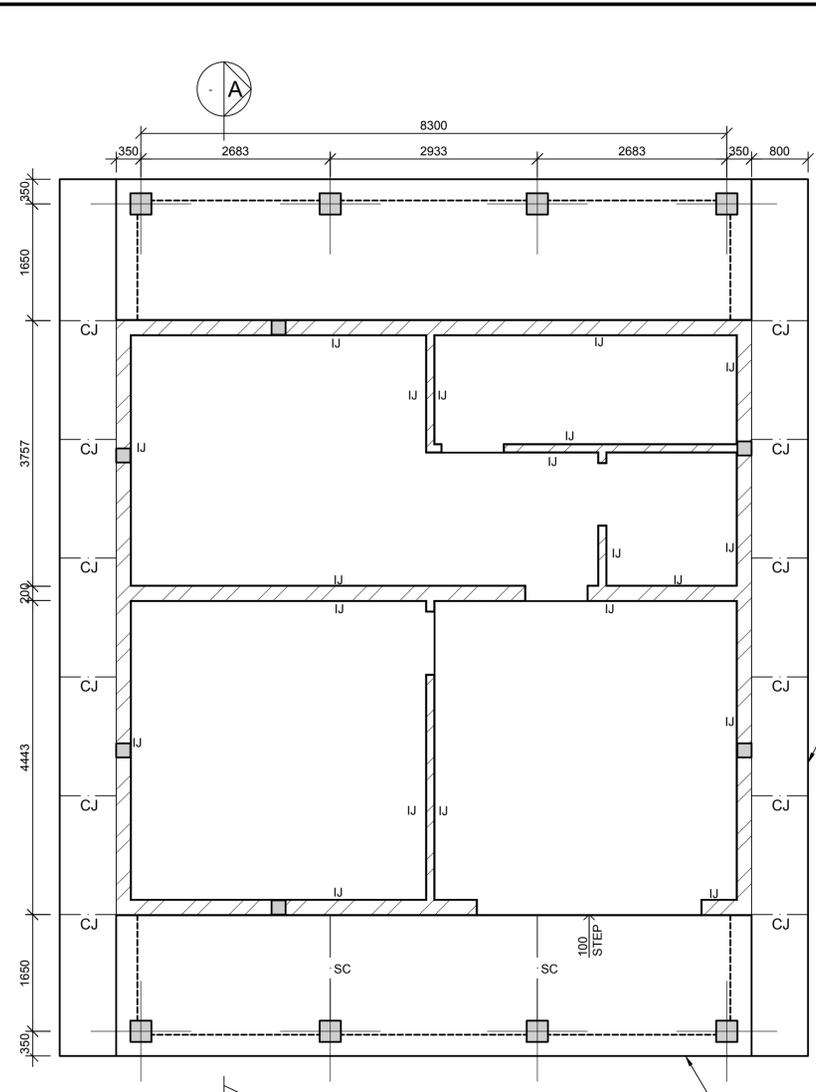


PROJECT  
**AMA 1  
 RESETTLEMENT  
 VILLAGE**  
 DRAWING DESCRIPTION  
**COMMUNITY CENTER  
 CLASSROOM**

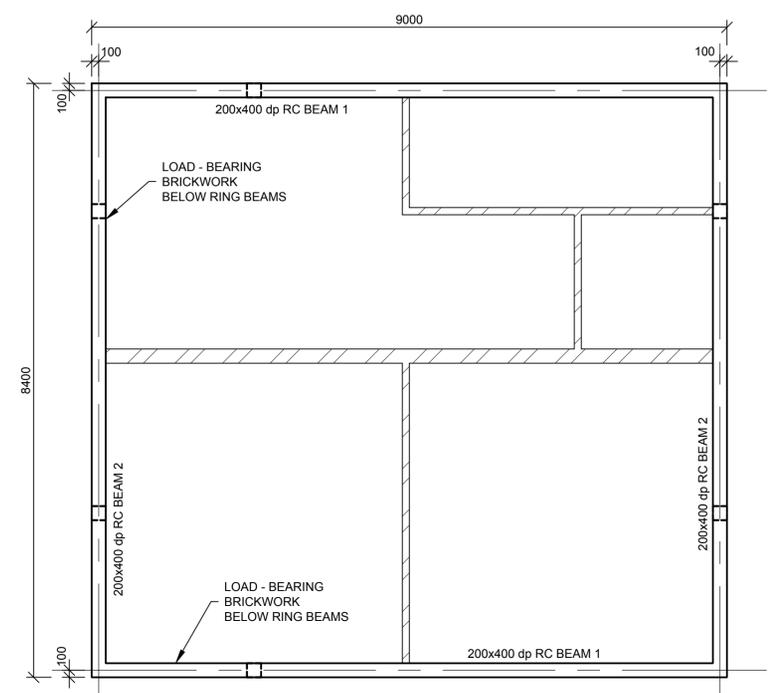
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ANADARKO DRAWING NUMBER	
EA-MZ-CI0100-WOR-E05-00558-01	



**FOUNDATION LAYOUT**  
SCALE 1:50



**SURFACE BED LAYOUT**  
SCALE 1:50

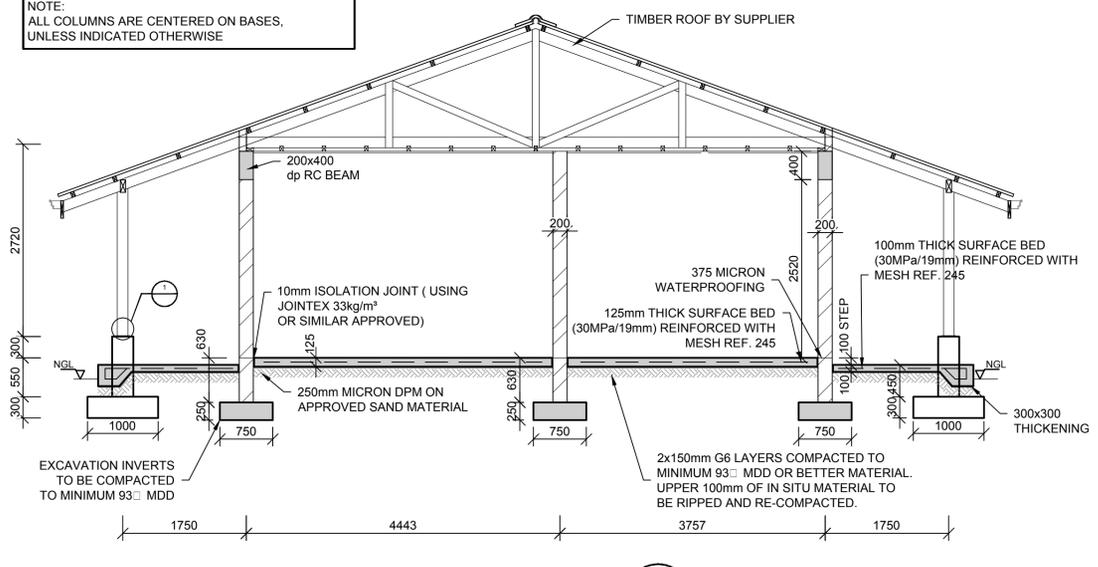


**RING BEAM LAYOUT**  
SCALE 1:50

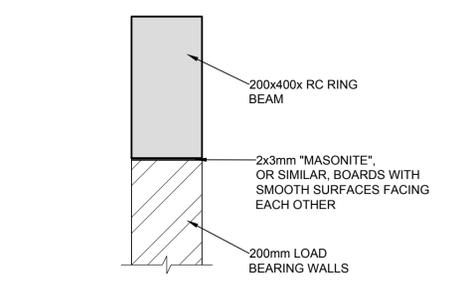
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COL 2	200x200mm COL, 1000x1000x300mm BASE TO LEVEL T.O.C. = 2.92m
COL 3	200x200mm COL, 1000x1000x300mm BASE TO LEVEL T.O.C. = 4.00m

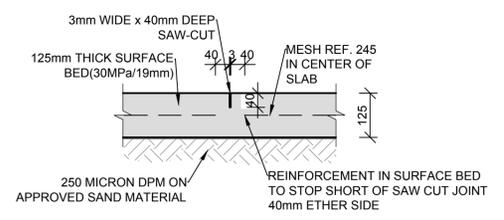
**NOTE:**  
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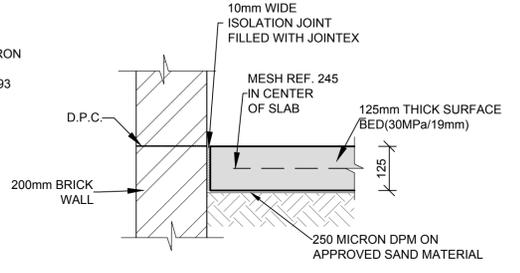
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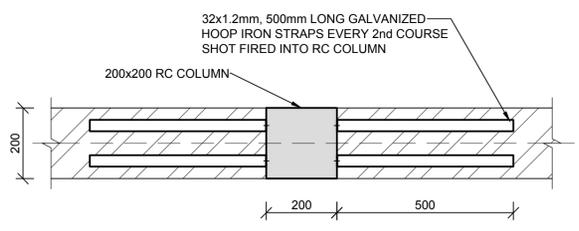
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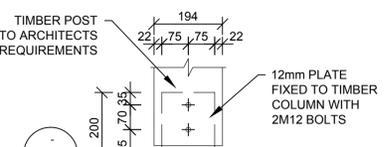
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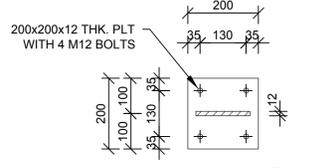
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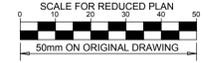
**TYPICAL HOOP IRON JOINT**  
SCALE 1:10



**DETAIL 1**  
SCALE 1:10



**SECTION 2**  
SCALE 1:10



**NOTES**

REFER TO STRUCTURAL GENERAL NOTES  
EA-MZ-CI000-WOR-B18-00001-01

REFER TO ARCHITECTS DRAWING  
EA-MZ-CI0100-WOR-E04-01111-01

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PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Area 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**  
DRAWING DESCRIPTION

**COMMUNITY CENTER ADMINISTRATION BUILDING**

SCALE AS SHOWN	DATE DEC 2015
DRAWING NUMBER C00290-00-ST-DRD-0010-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00557-01	



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REFER TO ARCHITECTS DRAWING  
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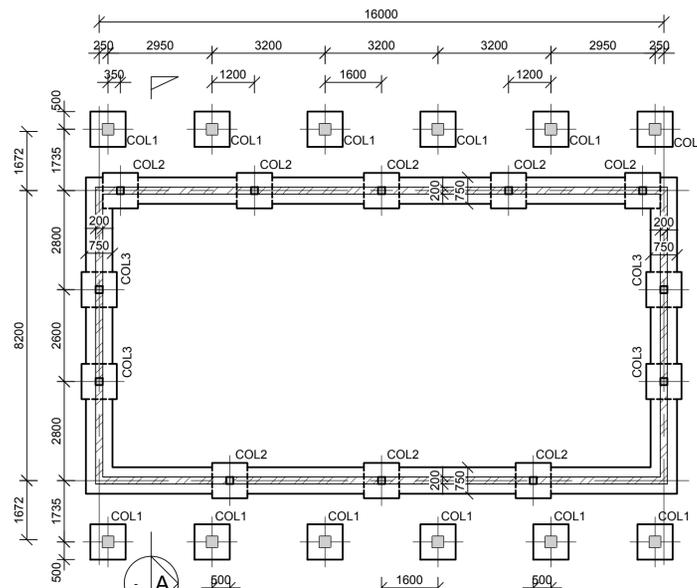
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CHECKED: T SNYDERS	<i>T Snymers</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snymers</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

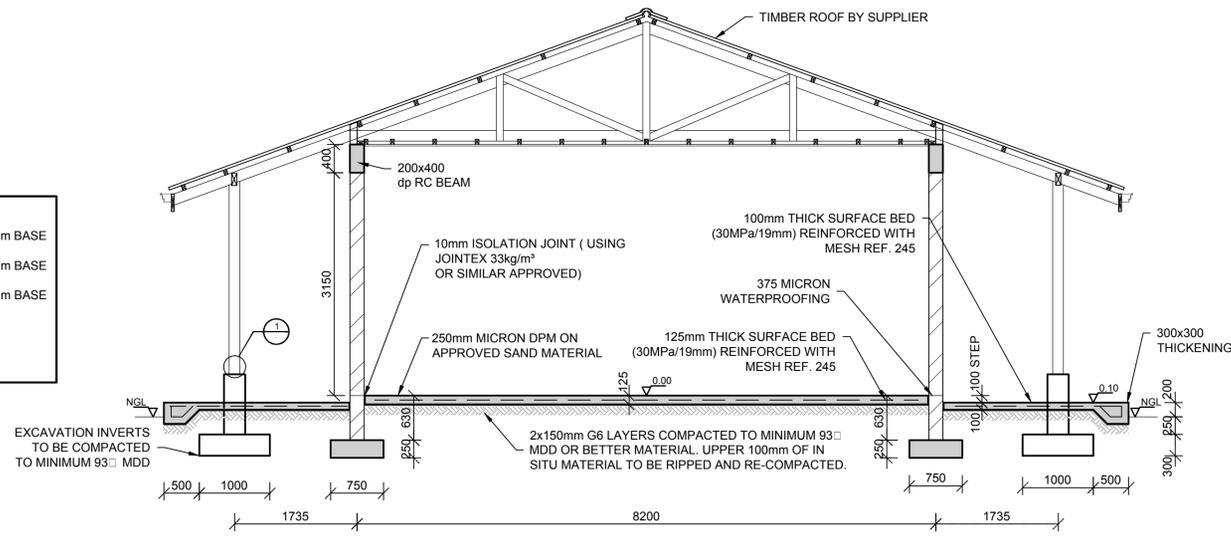
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RESETTLEMENT  
VILLAGE**  
DRAWING DESCRIPTION  
**COMMUNITY CENTER  
COMMUNITY HALL**

SCALE	DATE
AS SHOWN	DEC 2015
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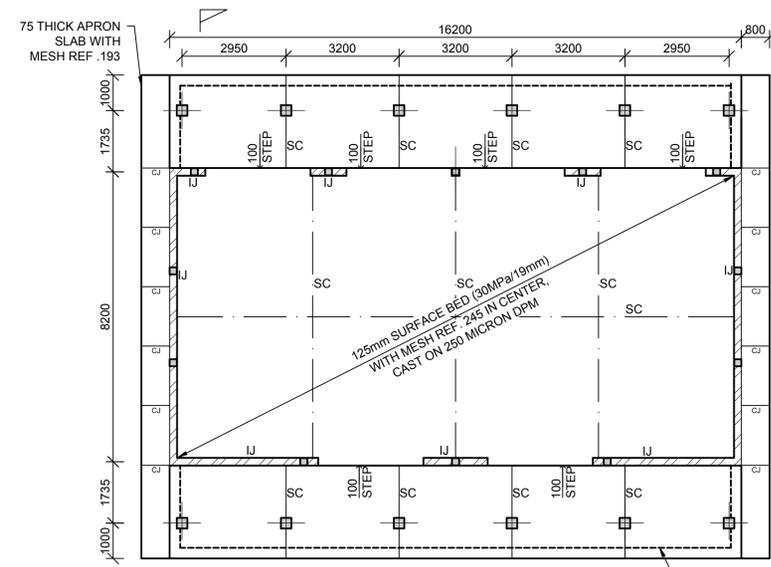


**FOUNDATION LAYOUT**  
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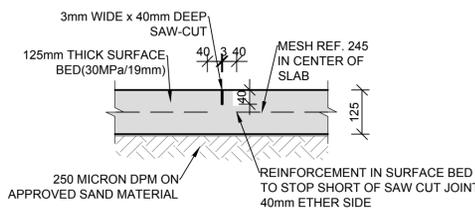
**LEGEND : COLUMNS & BASES**  
COL 1 300x300mm COL, 1000x1000x300mm BASE TO LEVEL T.O.C. = 0.30m  
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COL 3 200x200mm COL, 1000x1000x300mm BASE TO LEVEL T.O.C. = 4.70m  
**NOTE:**  
ALL COLUMNS ARE CENTERED ON BASES, UNLESS INDICATED OTHERWISE



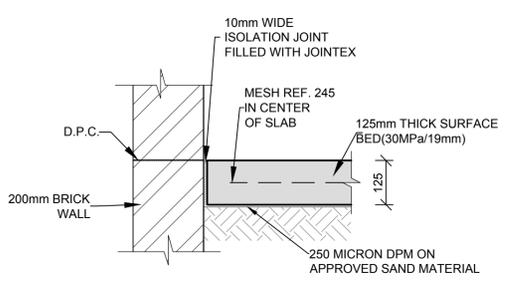
**SECTION A**  
SCALE 1:10



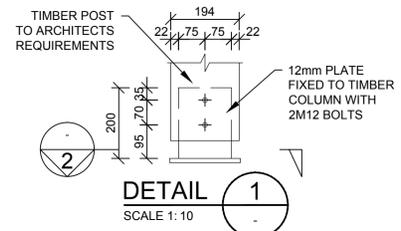
**SURFACE BED LAYOUT**  
SCALE: 1:100



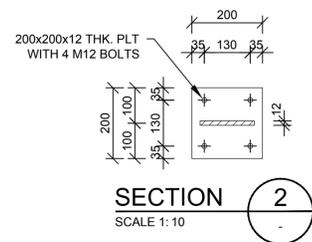
**TYPICAL SAW-CUT JOINT (SC)**  
SCALE 1:10



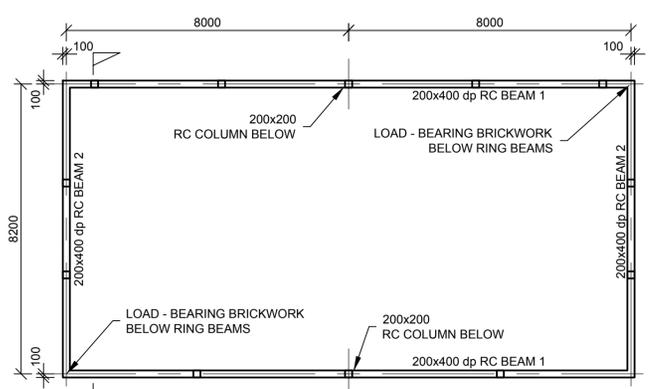
**ISOLATION JOINT (I.J.)**  
SCALE 1:10



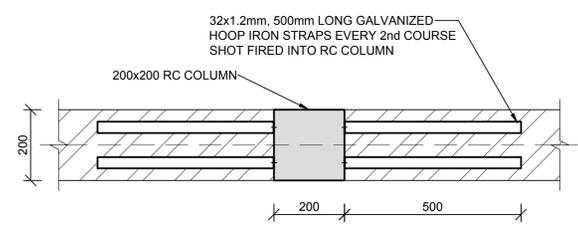
**DETAIL 1**  
SCALE 1:10



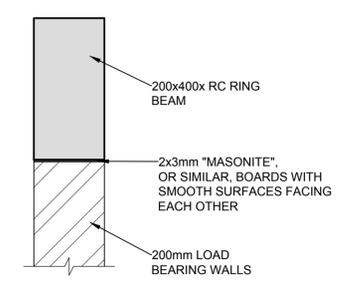
**SECTION 2**  
SCALE 1:10



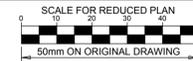
**RING BEAM LAYOUT**  
SCALE: 1:100



**TYPICAL HOOP IRON JOINT**  
SCALE 1:10



**TYPICAL BEAM/WALL CONNECTION**  
SCALE 1:10



**NOTES**

REFER TO STRUCTURAL GENERAL NOTES  
EA-MZ-CI000-WOR-B18-00001-01

REFER TO ARCHITECTS DRAWING  
EA-MZ-CI0100-WOR-E04-01113-01

REFER TO LAYOUT DRAWING  
EA-MZ-CI0100-WOR-E05-00558-01

REFER TO BENDING SCHEDULE 06  
ON DRAWING EA-MZ-CI0100-WOR-E05-00060-01

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B	10/09/15	TS	NR	ISSUED FOR DETAIL DESIGN
C	10/09/15	TS	NR	ISSUED FOR SQUAD CHECK
D	29/09/15	TS	NR	ISSUED FOR CLIENT REVIEW
E	17/11/15	TS	NR	ISSUED FOR CLIENT APPROVAL
0	03/12/15	TS	NR	ISSUED FOR CONSTRUCTION

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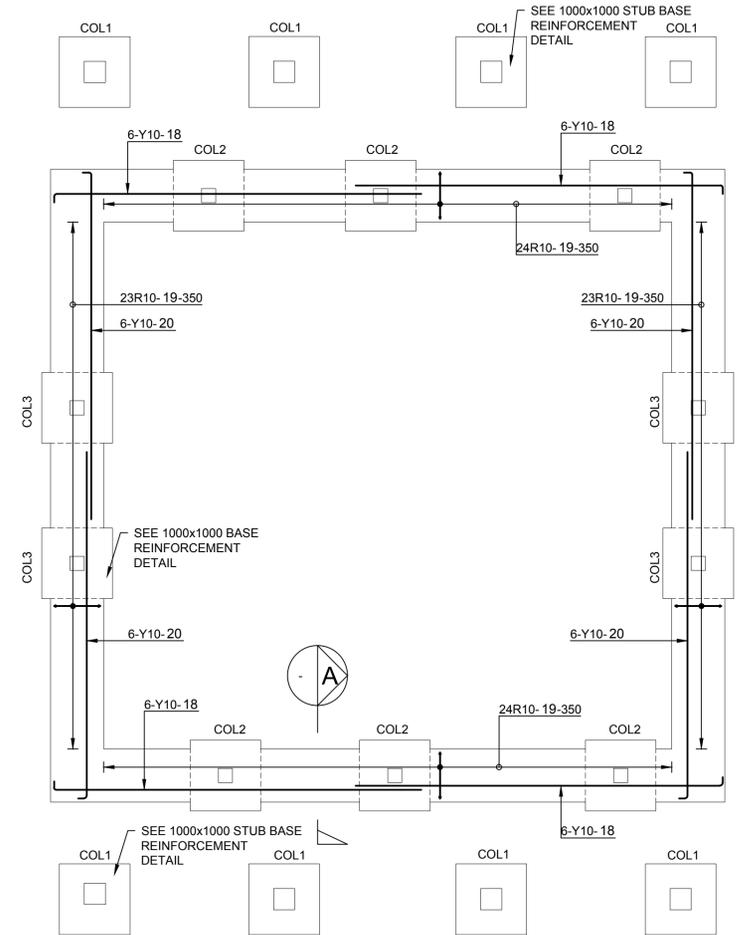
NAME	SIGNATURE	DATE
DRAWN BY: N ROBINSON	<i>N Robinson</i>	03/12/15
CHECKED: T SNYDERS	<i>T Snymers</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snymers</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		



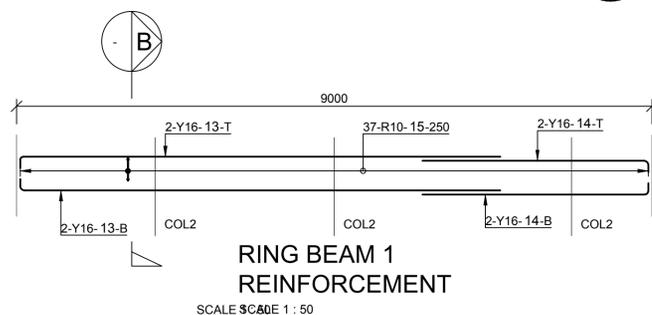
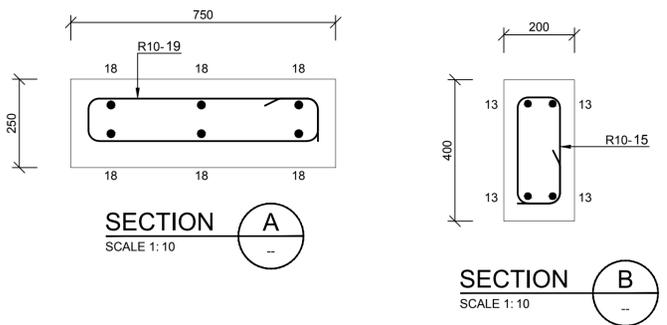
PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**COMMUNITY CENTER  
CLASSROOM  
REINFORCEMENT**

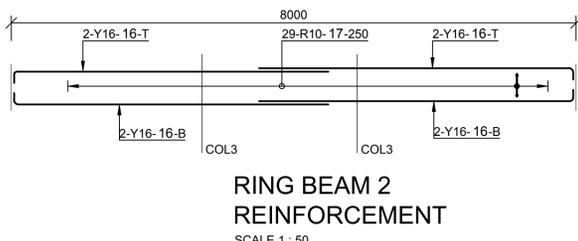
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AS SHOWN ORIGINAL DWG SIZE A1	DEC 2015
DRAWING NUMBER C00290-00-ST-DAL-0006-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00518-01	



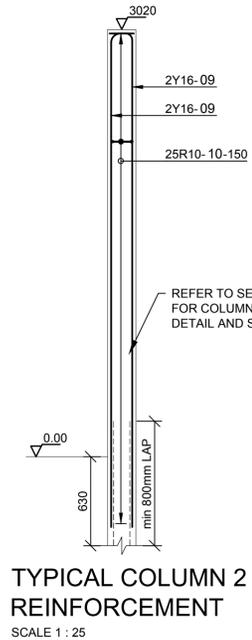
**STRIP FOUNDATIONS  
REINFORCEMENT**  
SCALE 1 : 50



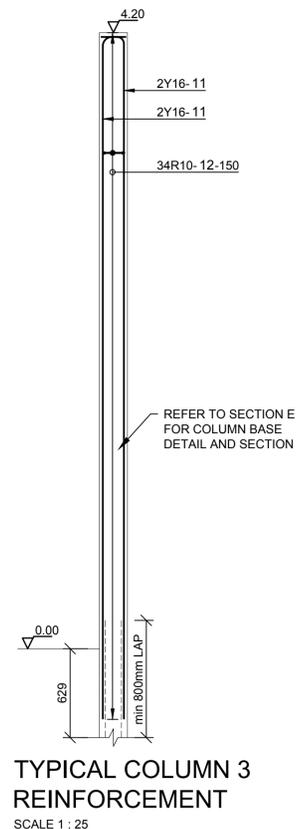
**RING BEAM 1  
REINFORCEMENT**  
SCALE 1 : 50



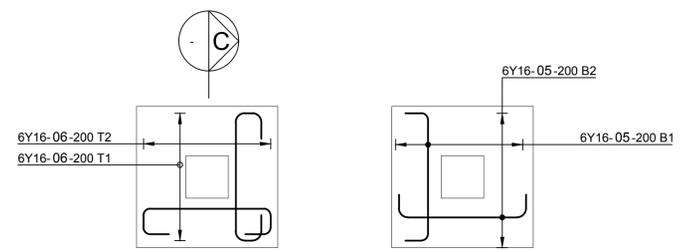
**RING BEAM 2  
REINFORCEMENT**  
SCALE 1 : 50



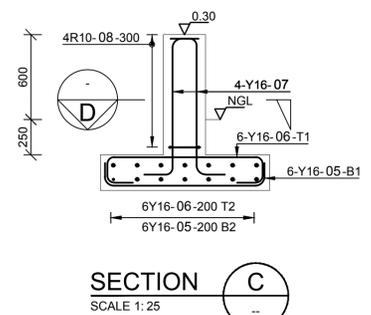
**TYPICAL COLUMN 2  
REINFORCEMENT**  
SCALE 1 : 25



**TYPICAL COLUMN 3  
REINFORCEMENT**  
SCALE 1 : 25

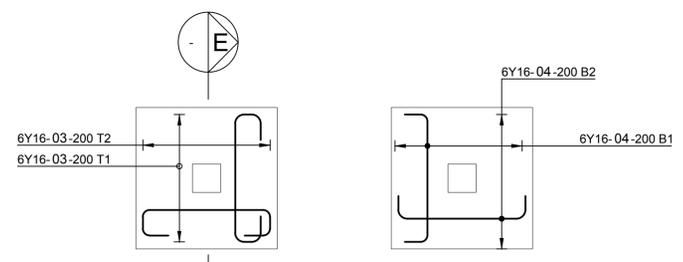


**1000x1000 STUB BASE  
TYPICAL COL1 REINFORCEMENT**  
SCALE 1 : 25

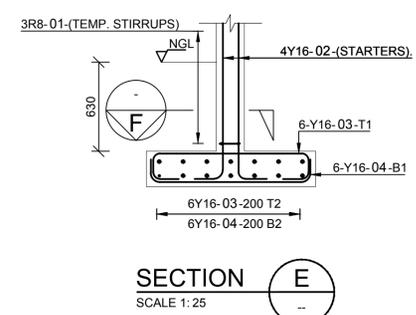


**SECTION E**  
SCALE 1 : 25

**SECTION D**  
SCALE 1 : 10



**1000x1000 BASE  
TYPICAL REINFORCEMENT**  
SCALE 1 : 25



**SECTION E**  
SCALE 1 : 25

**SECTION F**  
SCALE 1 : 10



**NOTES**

REFER TO STRUCTURAL GENERAL NOTES  
EA-MZ-CI000-WOR-B18-00001-01

REFER TO ARCHITECTS DRAWING  
EA-MZ-CI0100-WOR-E04-01111-01

REFER TO LAYOUT DRAWING  
EA-MZ-CI0100-WOR-E05-00557-01

REFER TO BENDING SCHEDULE 05  
ON DRAWING EA-MZ-CI0100-WOR-E05-00060-01

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0	03/12/15	TS	NR	ISSUED FOR CONSTRUCTION

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WorleyParsons RSA (Pty) Ltd.

NAME	SIGNATURE	DATE
DRAWN BY: N ROBINSON	<i>N Robinson</i>	03/12/15
CHECKED: T SNYDERS	<i>T Snyder</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snyder</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		

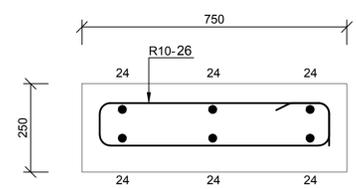
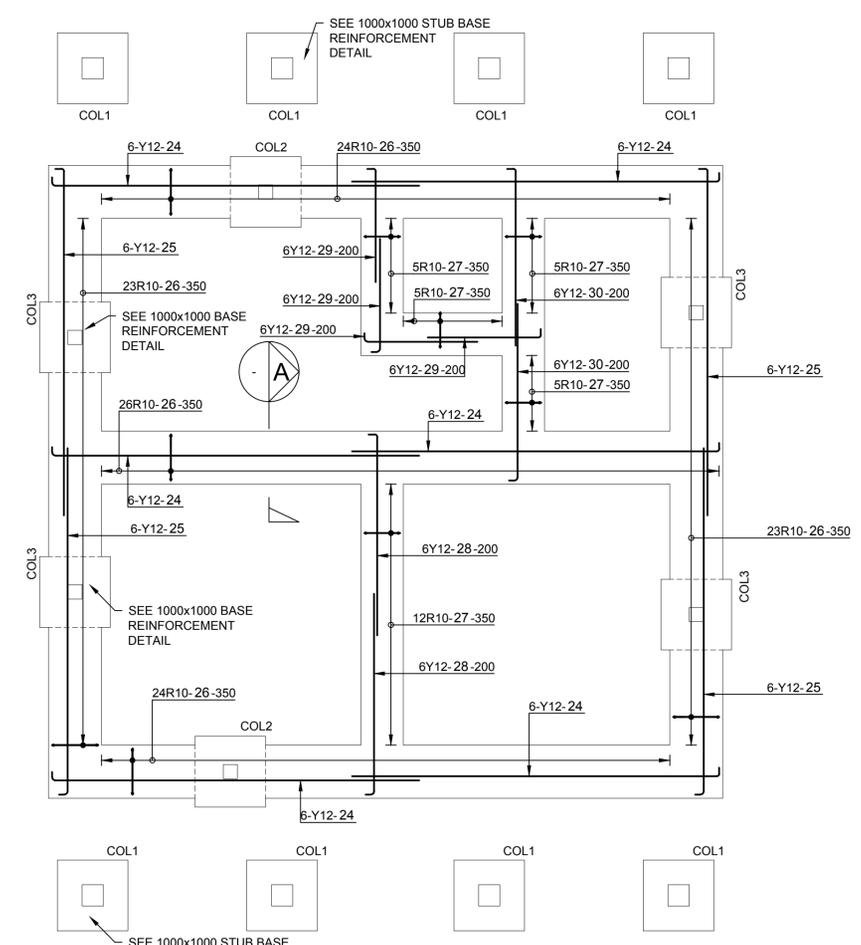
**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

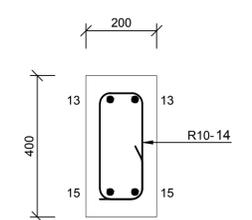
PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**COMMUNITY CENTER  
ADMINISTRATION  
BUILDING  
REINFORCEMENT**

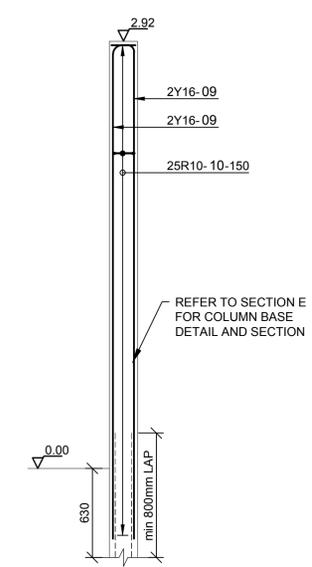
SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DEC 2015
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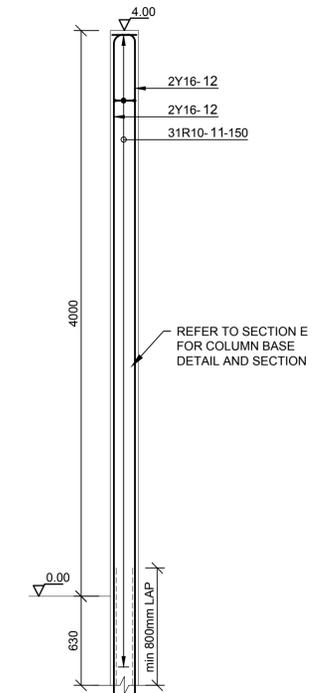
**SECTION A**  
SCALE 1:10



**SECTION B**  
SCALE 1:10

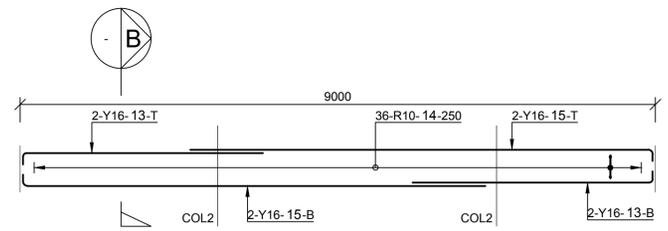


**TYPICAL COLUMN 2  
REINFORCEMENT**  
SCALE 1:25

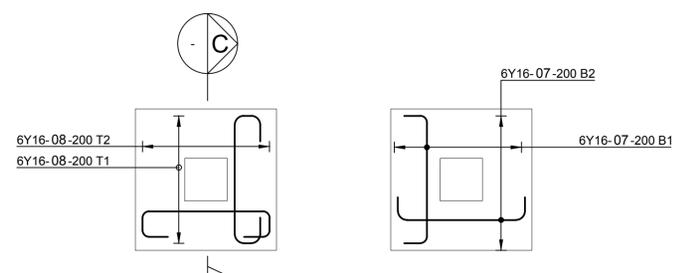


**TYPICAL COLUMN 3  
REINFORCEMENT**  
SCALE 1:25

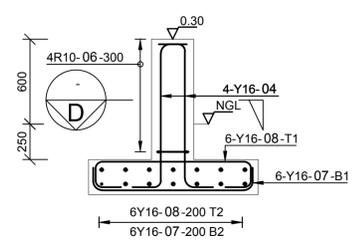
**STRIP FOUNDATIONS  
REINFORCEMENT**  
SCALE 1:50



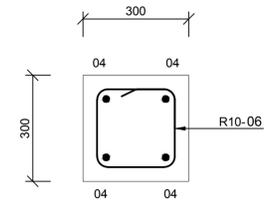
**RING BEAM 1  
REINFORCEMENT**  
SCALE 1:50



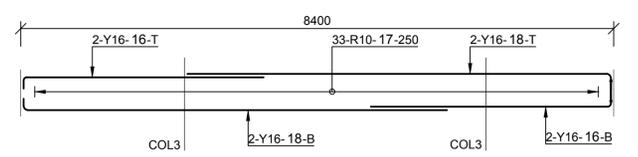
**1000x1000 STUB BASE  
TYPICAL COL1 REINFORCEMENT**  
SCALE 1:25



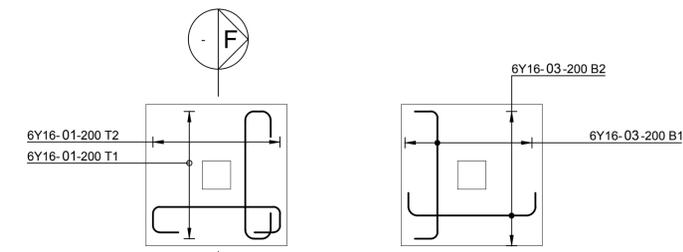
**SECTION C**  
SCALE 1:25



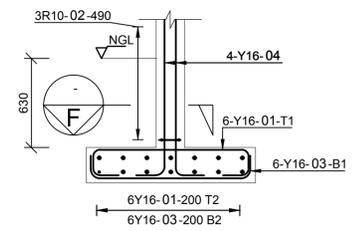
**SECTION D**  
SCALE 1:10



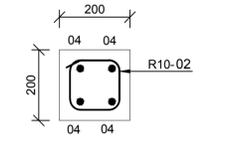
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REINFORCEMENT**  
SCALE 1:50



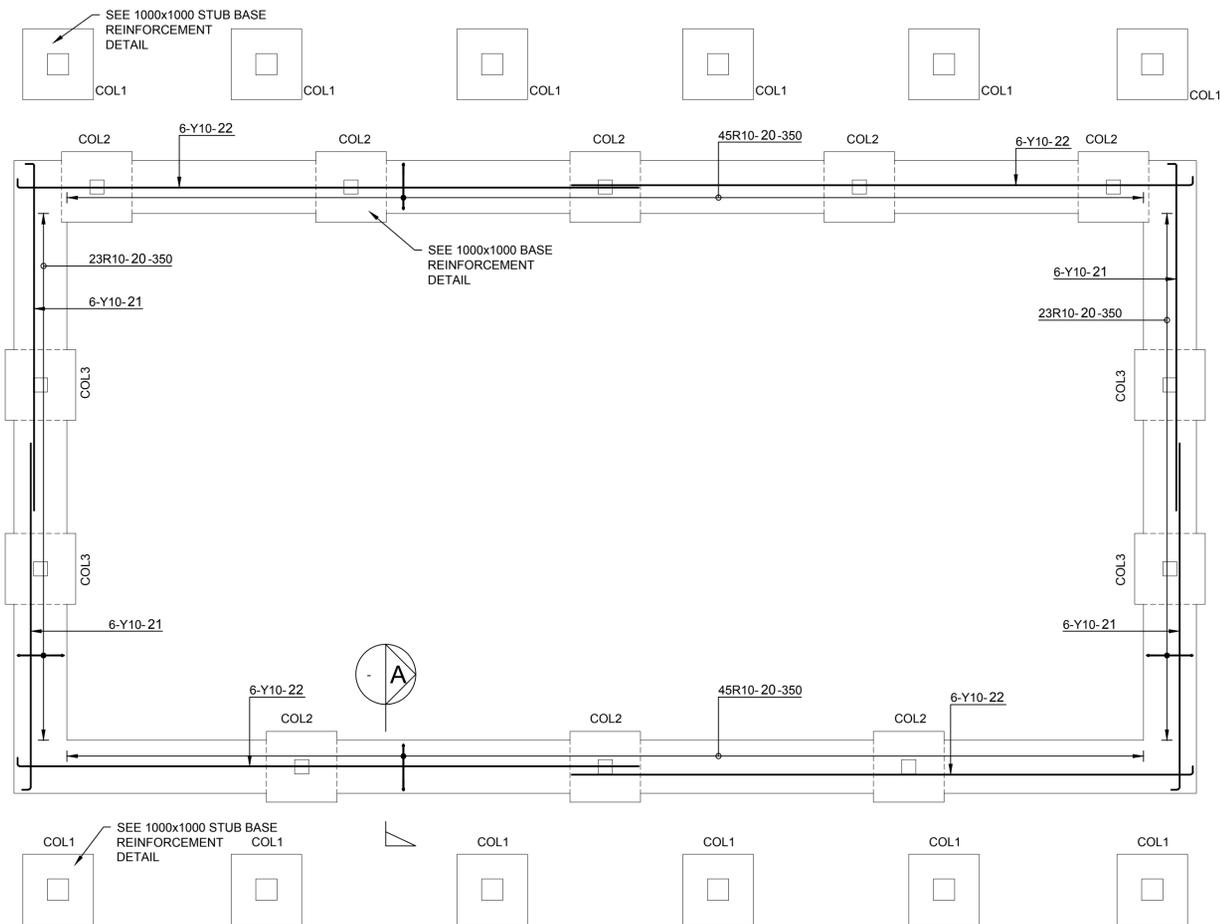
**1000x1000 BASE  
TYPICAL REINFORCEMENT**  
SCALE 1:25



**SECTION E**  
SCALE 1:25



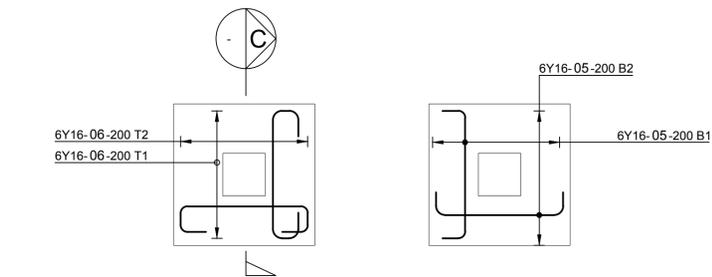
**SECTION F**  
SCALE 1:10



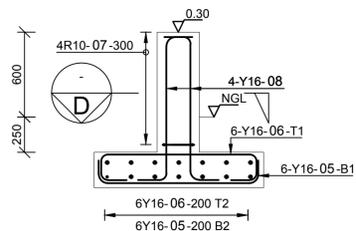
STRIP FOUNDATIONS REINFORCEMENT



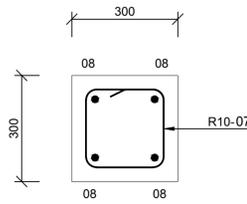
1000x1000 STUB BASE TYPICAL COL1 REINFORCEMENT SCALE 1 : 25



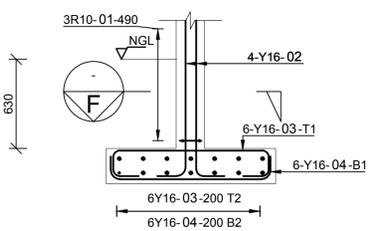
1000x1000 BASE TYPICAL REINFORCEMENT SCALE 1 : 25



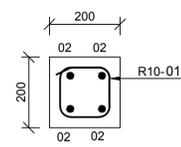
SECTION C SCALE 1: 25



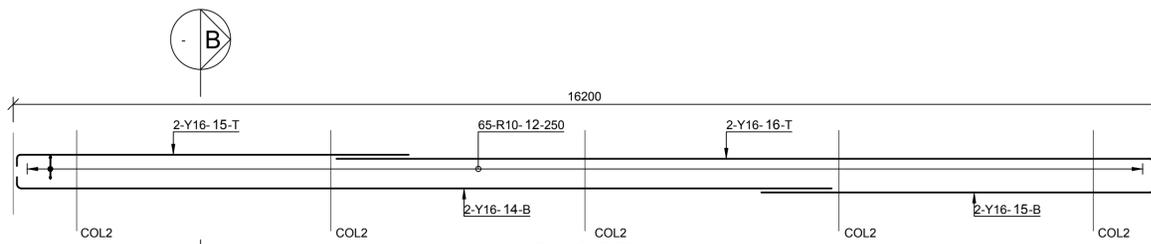
SECTION D SCALE 1: 10



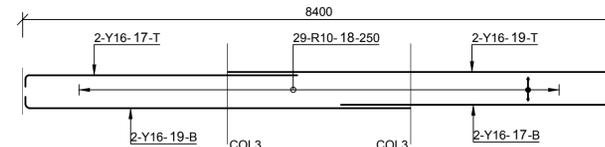
SECTION E SCALE 1: 25



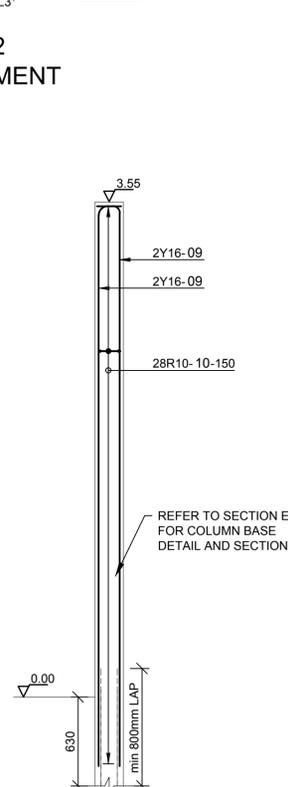
SECTION F SCALE 1: 10



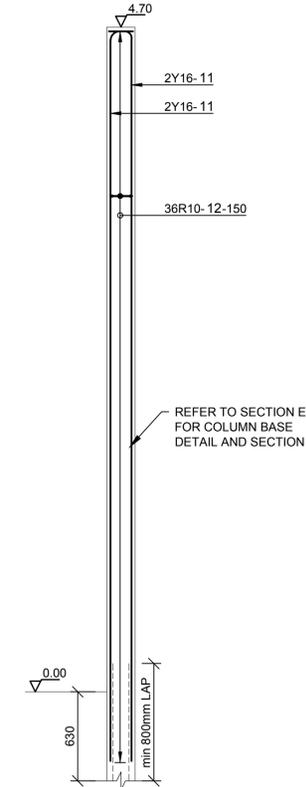
RING BEAM 1 REINFORCEMENT SCALE 1 : 50



RING BEAM 2 REINFORCEMENT SCALE 1 : 50

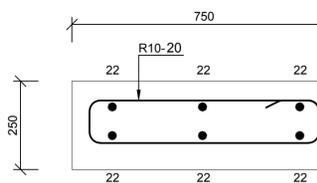


TYPICAL COLUMN 2 REINFORCEMENT SCALE 1 : 25

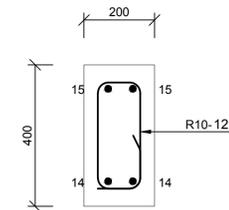


TYPICAL COLUMN 3 REINFORCEMENT SCALE 1 : 25

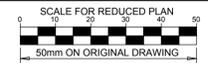
TYPICAL COLUMN 2 REINFORCEMENT SCALE 1 : 25



SECTION A SCALE 1: 10



SECTION B SCALE 1: 10



NOTES

- REFER TO STRUCTURAL GENERAL NOTES EA-MZ-CI0000-WOR-B18-00001-01
- REFER TO ARCHITECTS DRAWING EA-MZ-CI0100-WOR-E04-01112-01
- REFER TO LAYOUT DRAWING EA-MZ-CI0100-WOR-E05-00556-01
- REFER TO BENDING SCHEDULE 04 ON DRAWING EA-MZ-CI0100-WOR-E05-00060-01

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B	10/09/15	TS	NR	ISSUED FOR DETAIL DESIGN
C	10/09/15	TS	NR	ISSUED FOR SQUAD CHECK
D	29/09/15	TS	NR	ISSUED FOR CLIENT REVIEW
E	17/11/15	TS	NR	ISSUED FOR CLIENT APPROVAL
0	03/12/15	TS	NR	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: N ROBINSON	<i>N Robinson</i>	03/12/15
CHECKED: T SNYDERS	<i>T Snyder</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snyder</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		

CLIENT

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**COMMUNITY CENTER  
COMMUNITY HALL  
REINFORCEMENT**

SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DEC 2015
DRAWING NUMBER C00290-00-ST-DAL-0004-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00516-01	





**NOTES**

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

- LEGEND:**
- 110mm ND PVC PIPE
  - ..... 15mm ND COPPER PIPE
  - - - - 50mm ND PVC PIPE
  - . - . - . 20mm ND HDPE PIPE
  - - - - - 40mm ND HDPE PIPE

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**REVISIONS**

NO.	DATE	CHECKED BY	DESCRIPTION
A	29/10/15	AR	ISSUED FOR INTERNAL REVIEW
B	17/10/15	AR	ISSUED FOR DETAIL DESIGN
C	18/10/15	AR	ISSUED FOR SQUAD CHECK
D	23/10/15	AR	ISSUED FOR CLIENT REVIEW
E	25/11/15	CT	ISSUED FOR CLIENT APPROVAL
Q	08/12/15	CT	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: A. RAJAH		29/10/2015
CHECKED: L. PADAYACHEE		29/10/2015
DESIGNER: L. PADAYACHEE		29/10/2015
PR ENG: L. PADAYACHEE		29/10/2015
PROJECT ENG MANAGER: L. PADAYACHEE		29/10/2015
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
SAS DEVELOPMENT PROJECT

**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**COMMUNITY FACILITIES  
COMMUNITY CENTRE  
TOILETS  
INTERNAL RETICULATIONS**

SCALE 1:50 ORIGINAL DWG SIZE A1	DATE NOVEMBER 2015
DRAWING NUMBER C00290-00-PL-DRD-0006-001	REV NO 0
ANADARKO DRAWING NUMBER EZ-MZ-CI0100-WOR-E05-00111-01	

COMMUNITY FACILITIES - ADMIN. CENTRE INTERNAL DRAINAGE CONNECTIONS

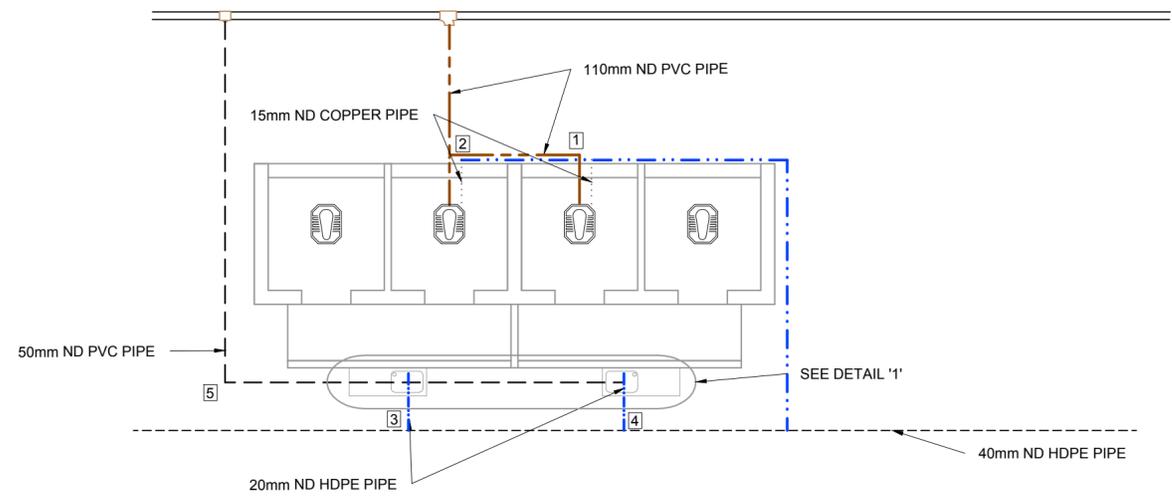
PUBLIC TOILET

No	DESCRIPTION	UNIT	QUANTITY
1	110x50mm - 87.5° VENTHORN BEND	No.	1
	50mm VENT COWL	No.	1
	110 - 87.5° PLAIN BEND	No.	1
	110 ND PVC PIPE	m	2m
2	110x50mm - 87.5° VENTHORN BEND	No.	1
	50mm VENT COWL	No.	1
	110 - 87.5° PLAIN BEND	No.	1
	110mm - SINGLE 87.5° PLAIN JUNCTION	No.	1
	110 ND PVC PIPE	m	2m
3	S-TRAP	No.	1
	50mm ND PVC PIPE	m	8m
	DRAIN GULLEY COMPLETE	No.	1
4	S-TRAP	No.	1
	50mm ND PVC PIPE	m	4m
	DRAIN GULLEY COMPLETE	No.	1
5	50 - 87.5° PLAIN BEND	No.	1

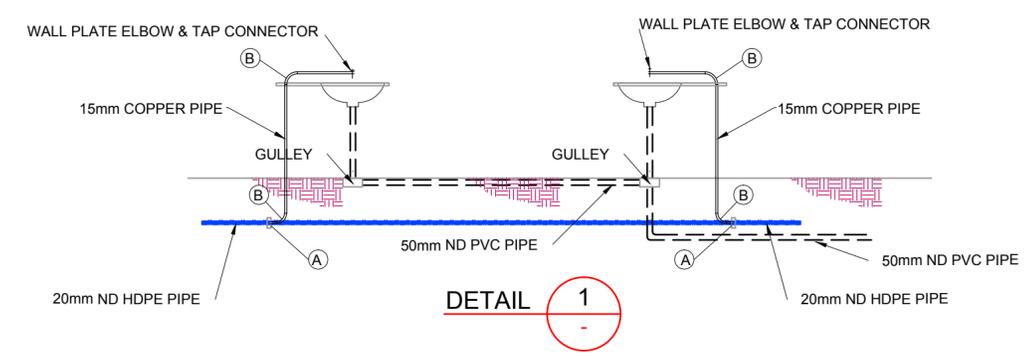
COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY

ADMIN. BUILDING

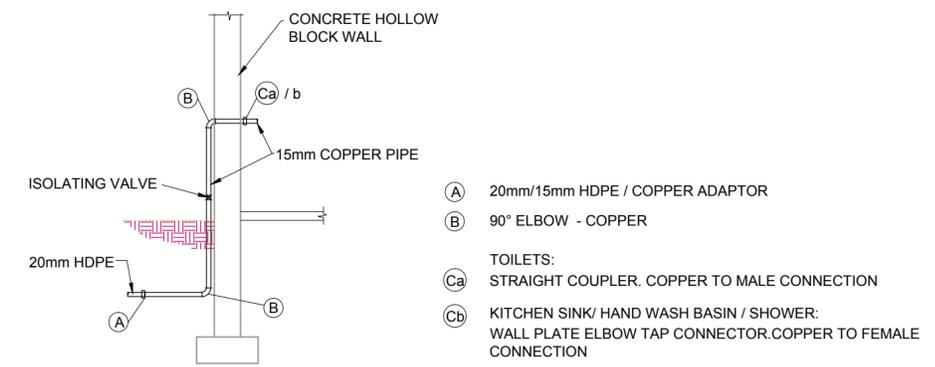
No	DESCRIPTION	UNIT	QUANTITY
(A)	20mm/15mm HDPE / COPPER ADAPTOR	No.	4
(B)	90° ELBOW - COPPER	No.	8
(Ca)	TOILETS: STRAIGHT COUPLER. COPPER TO MALE CONN.	No.	2
(Cb)	KITCHEN SINK/ HAND WASH BASIN / SHOWER: WALL PLATE ELBOW TAP CONNECTOR. Cu TO FEM. CONN.	No.	2
	15mm COPPER PIPE	m	8m
	20mm ND HDPE PIPE	m	10m



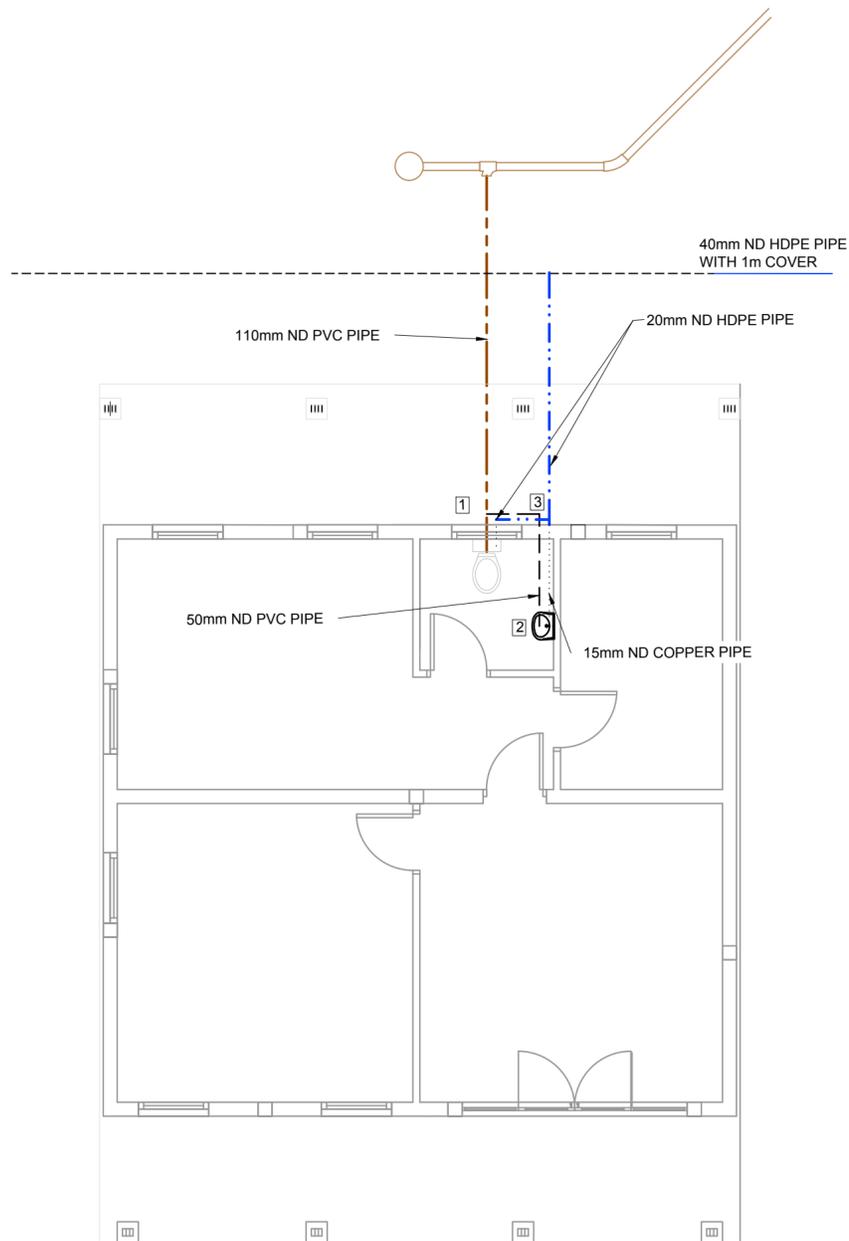
**PLAN - COMMUNITY CENTRE TOILETS**  
1:50



**DETAIL 1**



**TYPICAL WATER SUPPLY DETAIL AT BUILDINGS**  
NTS

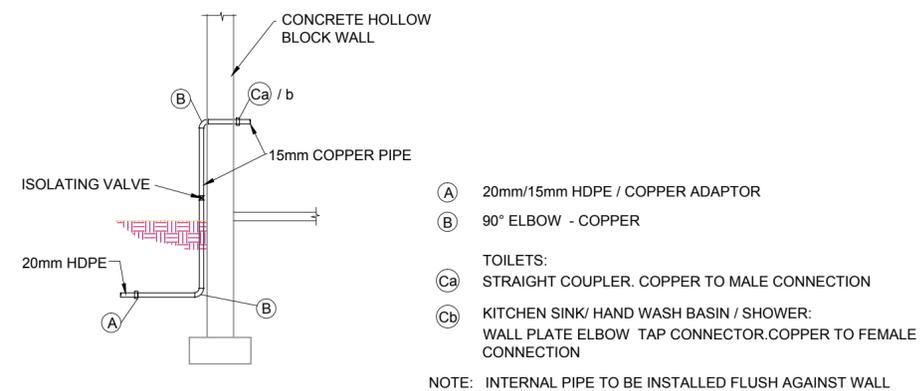


PLAN - ADMINISTRATION CENTRE

1:50

COMMUNITY FACILITIES - COMMUNITY CENTRE INTERNAL DRAINAGE CONNECTIONS			
ADMIN. BUILDING			
No	DESCRIPTION	UNIT	QUANTITY
1	110x50mm - 87.5° VENTHORN BEND	No.	1
	50mm VENT COWL	No.	1
	110x50mm - SINGLE 87.5° PLAIN REDUCING JUNCTION	No.	1
	110 - 87.5° PLAIN BEND	No.	1
	110 ND PVC PIPE	m	4m
2	P-TRAP	No.	2
	50mm ND PVC PIPE	m	2m
3	50mm - 87.5° ACCESS BEND	No.	1
	50mm ND PVC PIPE	m	1m
	DRAIN GULLEY COMPLETE	No.	1

COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY			
ADMIN. BUILDING			
No	DESCRIPTION	UNIT	QUANTITY
A	20mm/15mm HDPE / COPPER ADAPTOR	No.	1
B	90° ELBOW - COPPER	No.	4
Ca	TOILETS: STRAIGHT COUPLER. COPPER TO MALE CONN.	No.	1
Cb	KITCHEN SINK/ HAND WASH BASIN / SHOWER: WALL PLATE ELBOW TAP CONNECTOR. Cu TO FEM. CONN.	No.	1
	15mm COPPER PIPE	m	5m
	20mm ND HDPE PIPE	m	5m



TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

NTS

NOTES

REFERENCE DRAWINGS:  
ADMINISTRATION CENTRE:  
C00290-00-WW-DRD-0020-001

LEGEND:

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

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A	29/10/15	AR	AR	ISSUED FOR INTERNAL REVIEW
B	17/10/15	AR	AR	ISSUED FOR DETAIL DESIGN
C	18/10/15	AR	AR	ISSUED FOR SQUAD CHECK
D	23/10/15	AR	AR	ISSUED FOR CLIENT REVIEW
E	25/11/15	CT	CT	ISSUED FOR CLIENT APPROVAL
Q	08/12/15	CT	CT	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: A. RAJAH		29/10/2015
CHECKED: L. PADAYACHEE		29/10/2015
DESIGNER: L. PADAYACHEE		29/10/2015
PR ENG: L. PADAYACHEE		29/10/2015
PROJECT ENG MANAGER: L. PADAYACHEE		29/10/2015
LOCAL PR ENG:		
CLIENT:		

CLIENT



PROJECT  
AMA 1  
RESETTLEMENT  
VILLAGE

DRAWING DESCRIPTION  
COMMUNITY FACILITIES  
COMMUNITY CENTRE:  
INTERNAL RETICULATIONS

SCALE 1:50 ORIGINAL DWG SIZE A1 DATE NOVEMBER 2015

DRAWING NUMBER C00290-00-PL-DRD-0005-001 REV NO 0

ANADARKO DRAWING NUMBER EZ-MZ-CI0100-WOR-E05-00110-01



**NOTES**

REFER TO STRUCTURAL GENERAL NOTES  
EA-MZ-CI000-WOR-B18-00001-01

REFER TO ARCHITECTS DRAWING  
EA-MZ-CI0100-WOR-E04-00605-01

REFER TO LAYOUT  
EA-MZ-CI0100-WOR-E05-00082-01 &  
FOUNDATION REINFORCEMENT  
EA-MZ-CI0100-WOR-E05-00083-01

REFER TO BENDING SCHEDULE 52  
ON DRAWING EA-MZ-CI0100-WOR-E05-00068-01

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B	03/11/15	TS	NR	ISSUED FOR DETAIL DESIGN
C	03/11/15	TS	NR	ISSUED FOR SQUAD CHECK
D	04/11/15	TS	NR	ISSUED FOR CLIENT REVIEW
E	17/11/15	TS	NR	ISSUED FOR CLIENT APPROVAL
0	03/12/15	TS	NR	ISSUED FOR CONSTRUCTION



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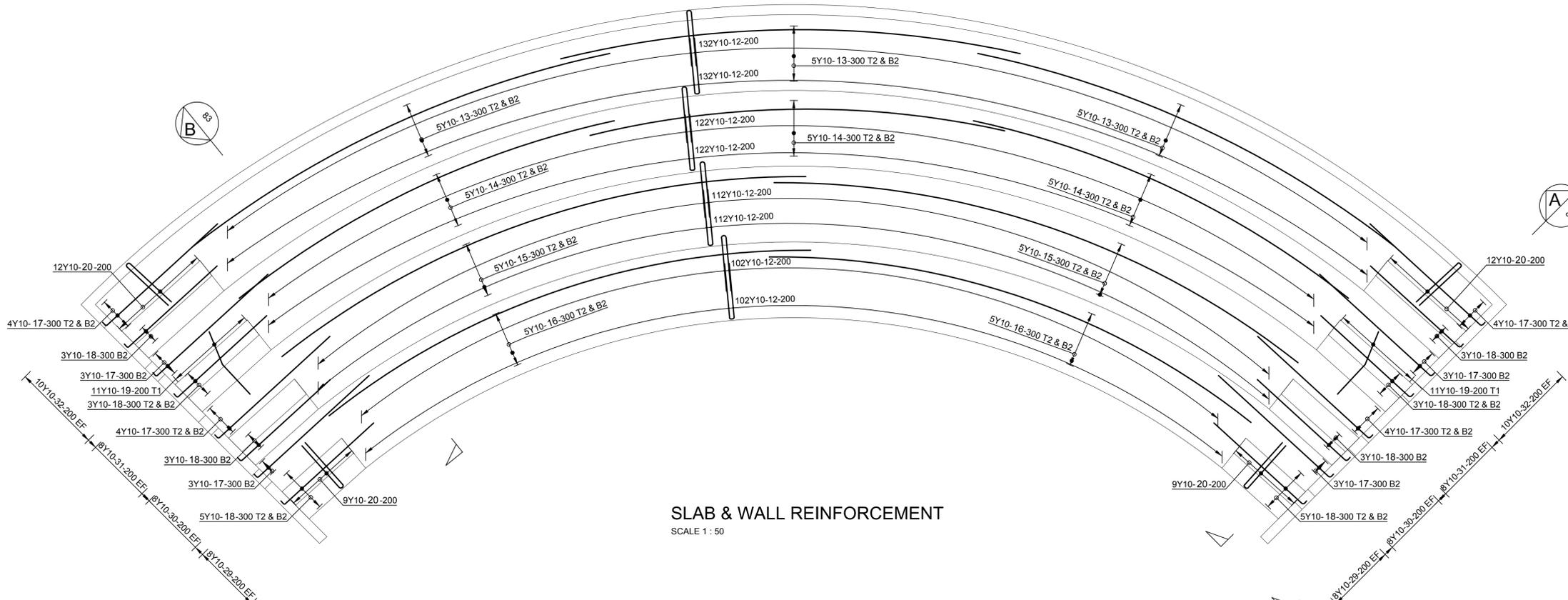
NAME	SIGNATURE	DATE
DRAWN BY: N ROBINSON	<i>N Robinson</i>	03/12/15
CHECKED: T SNYDERS	<i>T Snyder</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snyder</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		



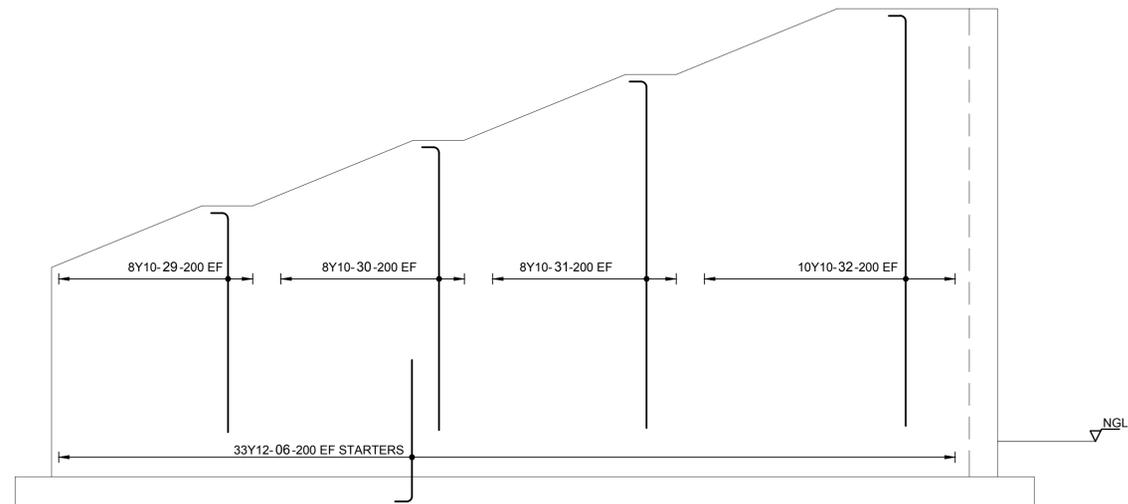
PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**COMMUNITY CENTER:  
AMPHITHEATER SLAB  
REINFORCEMENT**

SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DEC 2015
DRAWING NUMBER C00290-00-ST-DAL-0084-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00084-01	



**SLAB & WALL REINFORCEMENT**  
SCALE 1 : 50

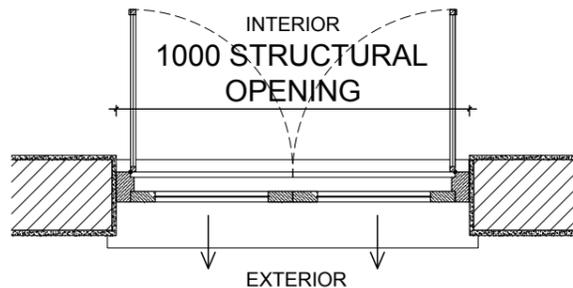
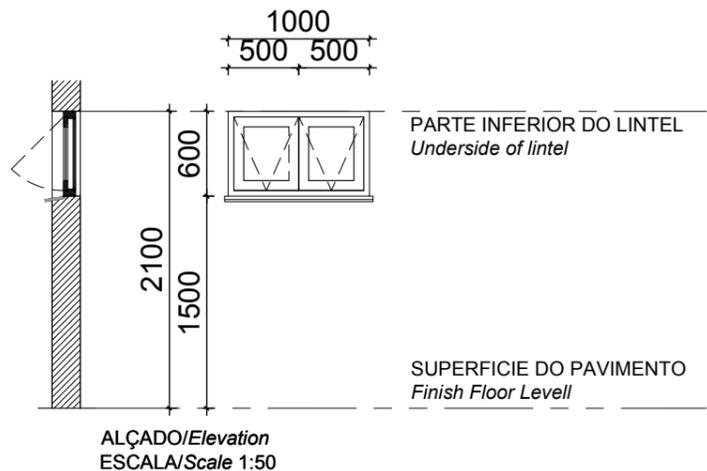


**ELEVATION C**  
SCALE 1:25



# SALA DE AULAS/ Classroom WINDOWS & DOOR SCHEDULE/ Mapa de vãos: Janelas & Portas

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



## 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

<b>Code:</b> Codigo:	<b>W4</b>	<b>Position:</b> Localização:	Classroom Blocks	<b>Qty:</b> Qtd:	4
<b>Frame:</b>	WOOD FRAME TO MANUFACTURERS SPECS SOLID TIMBER WINDOW, 2 GLASS PANELS ON OUTSIDE & 2 MOSQUITO SCREEN PANELS ON THE INSIDE WINDOW TO BE FROM SWARTLAND OR SIMILAR				
<b>Finish:</b> Acabamentos:	1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS & TRIMS COLOUR "LIGHT BROWN" OR EQUAL & APPROVED				
<b>Ferragens</b>	PIVOT AT THE TOP WITH OUTWARD SWINGING SASH AND PUSH OUT LEVER TO MANUFACTURER SPEC'S. 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				
<b>Glazing:</b> Vidros:	3mm CLEAR GLASS				
<b>Glazing Notes:</b>					

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A	12/08/15	MM	CP	ISSUED INTERNAL REVIEW
B	12/08/15	MM	CP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	CP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	CP	ISSUED FOR CLIENT REVIEW
E	13/11/15	MM	CP	ISSUED CLIENT APPROVAL
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CLIENT



PROJECT  
AMA 1  
RESETTLEMENT  
VILLAGE

## DRAWING DESCRIPTION

CENTRO COMUNITÁRIO - MAPA DE VÃOS FOLHA 5 DE 5  
COMMUNITY CENTRE - WINDOW & DOOR SCHEDULE SHEET 5 OF 5

SCALE  
A3@AS SHOWN

DATE  
NOV 2015

DRAWING NUMBER:  
C00290-00-AR-SCH-0005-005

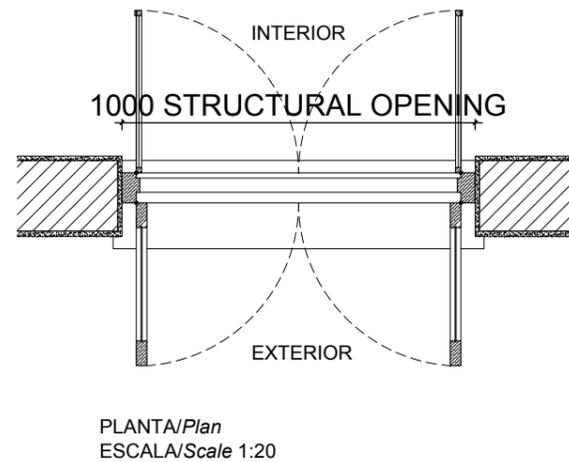
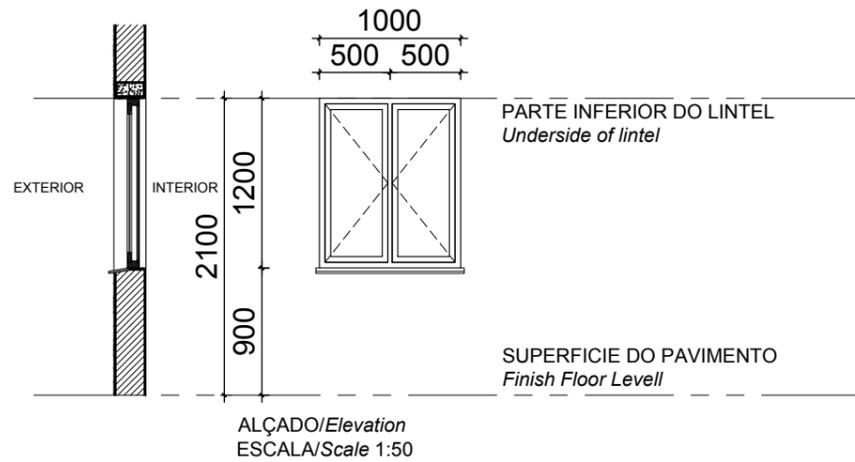
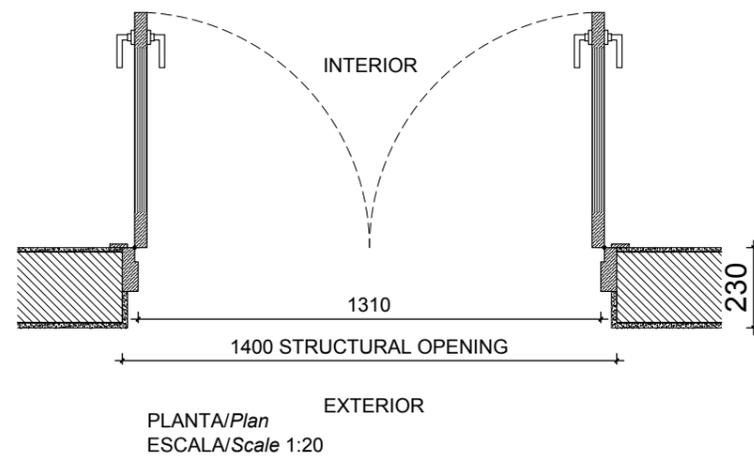
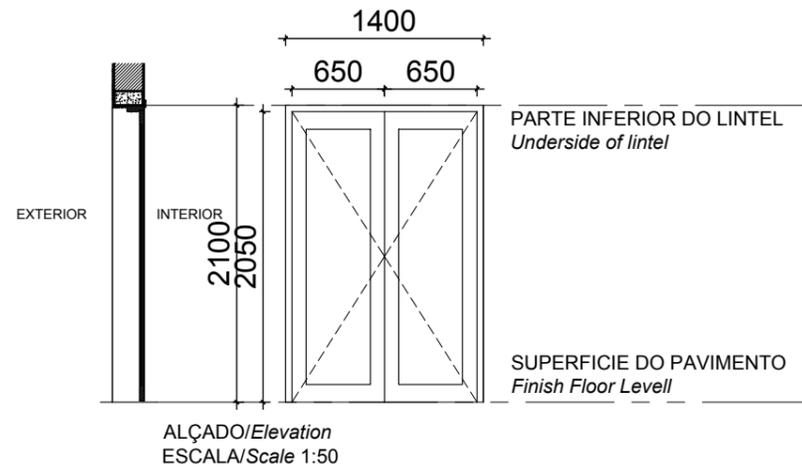
REV Nº  
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ANADARKO DRAWING NUMBER:  
EA-MZ-CI0100-WOR-E05-00046-05

*Handwritten signatures and initials*

# SALA DE AULAS/ Classroom WINDOWS & DOOR SCHEDULE/ Mapa de vãos: Janelas & Portas

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



### NOTES:

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

Code: Codigo:	Position: Localização:	Qty: Qtd:	Code: Codigo:	Position: Localização:	Qty: Qtd:
D5	Classroom Block	1	W3	Classroom Block	5
<b>Frame:</b> Aro:	WOOD FRAME TO MANUFACTURERS SPECS SEMI SOLID SLATTED TIMBER DOOR DOOR TO BE TYPE ZCDR - from SWARTLAND OR SIMILAR		<b>Frame:</b> Aro:	WOOD FRAME TO MANUFACTURERS SPECS SOLID TIMBER WINDOW, 2 GLASS PANELS ON OUTSIDE & 2 MOSQUITO SCREEN PANELS ON THE INSIDE WINDOW TO BE FROM SWARTLAND OR SIMILAR	
<b>Finish:</b> Acabamentos:	3 COATS CLEAR VARNISH		<b>Finish:</b> Acabamentos:	1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS & TRIMS COLOUR "LIGHT BROWN" OR EQUAL & APPROVED	
<b>Ironmongery</b> Ferragens	102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR LOCK (2 LEAVER) WITH HANDLES POLISHED CHROME FINISH SIMILAR TO YALE GOWER HANDLE		<b>Ironmongery</b> Ferragens	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	
<b>Glazing:</b> Vidros:			<b>Glazing:</b> Vidros:	3mm CLEAR GLASS	
<b>Glazing Notes:</b>			<b>Glazing Notes:</b>		

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

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ARCHITECTURAL  
EA-MZ-CI0100-WOR-E04-00612-01

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B	12/08/15	MM	CP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	CP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	CP	ISSUED FOR CLIENT REVIEW
E	13/11/15	MM	CP	ISSUED CLIENT APPROVAL
0	25/11/15	MM	CP	ISSUED FOR CONSTRUCTION



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CLIENT



PROJECT  
AMA 1  
RESETTLEMENT  
VILLAGE

### DRAWING DESCRIPTION

CENTRO COMUNITÁRIO - MAPA DE VÃOS FOLHA 4 DE 5  
COMMUNITY CENTRE - WINDOW & DOOR SCHEDULE SHEET 4 OF 5

SCALE: A3@AS SHOWN DATE: NOV 2015

DRAWING NUMBER: C00290-00-AR-SCH-0005-004 REV Nº: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E05-00046-04

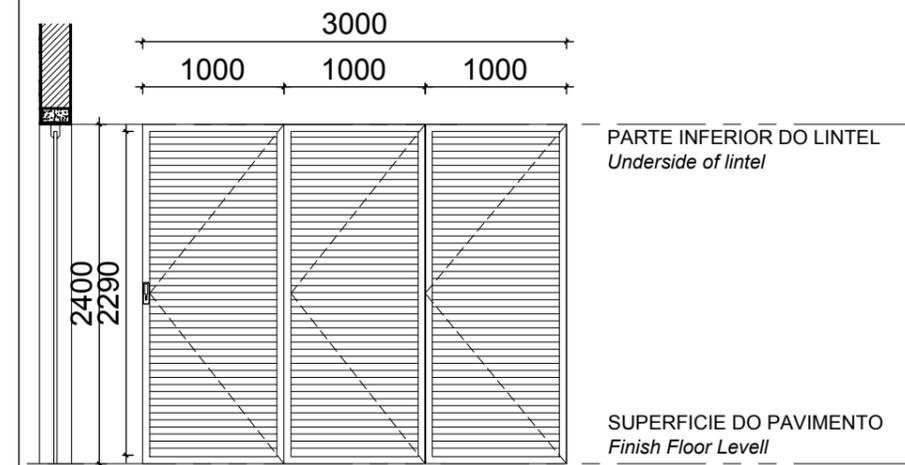
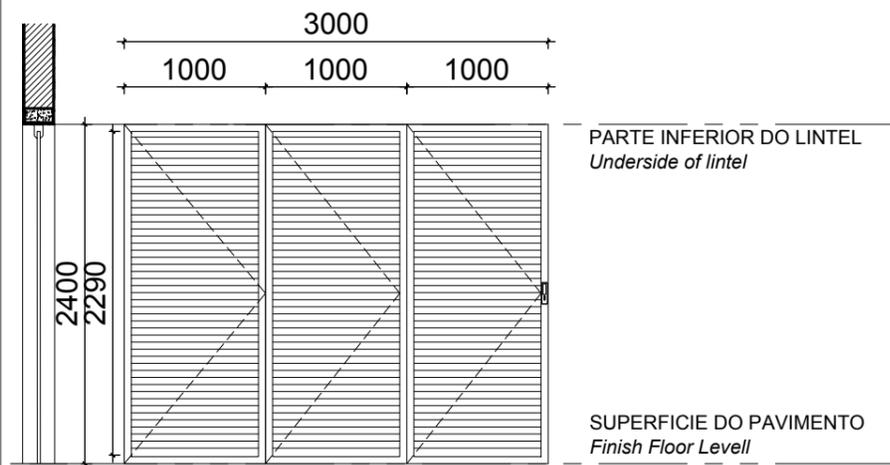
# SALA COMUNITÁRIA/Community Hall DOOR SCHEDULE/Mapa de vãos: Portas

*M. de S. J.*

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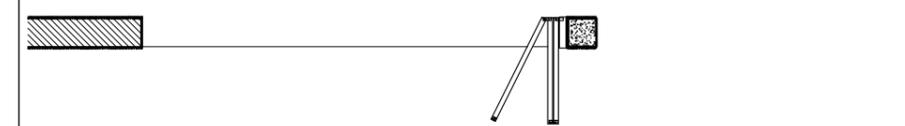
### NOTES:

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



ALÇADO/Elevation  
ESCALA/Scale 1:50

ALÇADO/Elevation  
ESCALA/Scale 1:50



PLANTA/Plan  
ESCALA/Scale 1:20

PLANTA/Plan  
ESCALA/Scale 1:20

<b>Code:</b> Codigo:	<b>D6L</b>	<b>Position:</b> Localização:	Community Hall	<b>Qty:</b> Qtd:	03	<b>Code:</b> Codigo:	<b>D6R</b>	<b>Position:</b> Localização:	Community Hall	<b>Qty:</b> Qtd:	03
<b>Frame:</b> Aro:	FRAME TO MANUFACTURERS SPECS FOLDING WOOD DOOR DOOR TO BE TYPE ZWFAS - from SWARTLAND OR SIMILAR					<b>Frame:</b> Aro:	FRAME TO MANUFACTURERS SPECS FOLDING WOOD DOOR DOOR TO BE TYPE ZWFAS - from SWARTLAND OR SIMILAR				
<b>Finish:</b> Acabamentos:	1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS & TRIMS COLOUR "LIGHT BROWN" OR EQUAL & APPROVED					<b>Finish:</b> Acabamentos:	1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS & TRIMS COLOUR "LIGHT BROWN" OR EQUAL & APPROVED				
<b>Ironmongery</b> Ferragens	IRONMONGERY TO MANUFACTURERS SPECS					<b>Ironmongery</b> Ferragens	IRONMONGERY TO MANUFACTURERS SPECS				
<b>Glazing:</b> Vidros:						<b>Glazing:</b> Vidros:					

**Glazing Notes:**

**Glazing Notes:**

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**THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:**  
ARCHITECTURAL  
EA-MZ-CI0100-WOR-E04-00612-01

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B	12/08/15	MM	CP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	CP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	CP	ISSUED FOR CLIENT REVIEW
E	13/11/15	MM	CP	ISSUED CLIENT APPROVAL
0	25/11/15	MM	CP	ISSUED FOR CONSTRUCTION

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**MESCH**  
arquitectos

CLIENT

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
AMA 1  
RESETTLEMENT  
VILLAGE

DRAWING DESCRIPTION  
CENTRO COMUNITÁRIO - MAPA DE VÃOS FOLHA 3 DE 5  
COMMUNITY CENTRE - WINDOW & DOOR SCHEDULE SHEET 3 OF 5

SCALE A3@AS SHOWN	DATE NOV 2015
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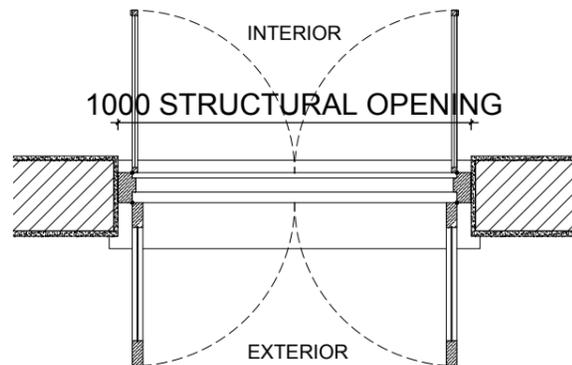
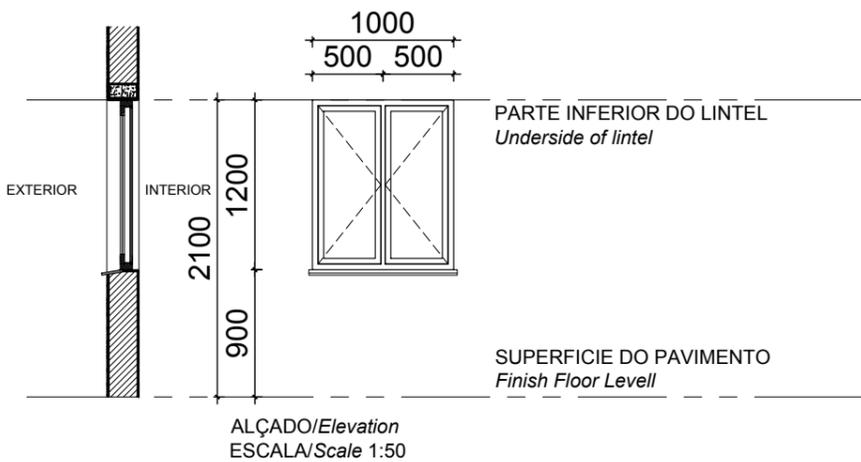
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ANADARKO DRAWING NUMBER:  
EA-MZ-CI0100-WOR-E05-00046-03

# ADMISTRAÇÃO/ Administration WINDOWS & DOOR SCHEDULE/ Mapa de vãos: Janelas & Portas

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ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED/VERIFIED ON SITE AND ANY DISCREPENCIES ARE TO BE REPORTED TO THE ARCHITECT  
TODAS DIMENSÕES E NÍVEIS DEVEM SER VERIFICADOS NA OBRA E QUALQUER DISCREPÂNCIA DEVERÁ SER COMUNICADA AO ARQUITECTO



<b>Code:</b> Codigo:	<b>W3</b>	<b>Position:</b> Localização:	Admin. Block	<b>Qty:</b> Qtd:	6
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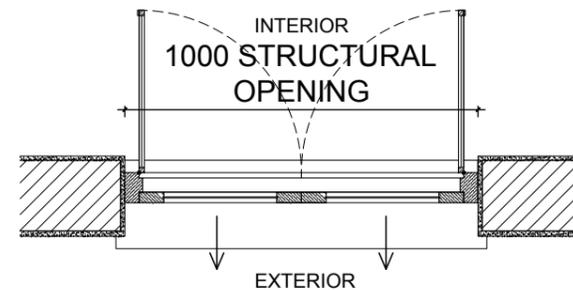
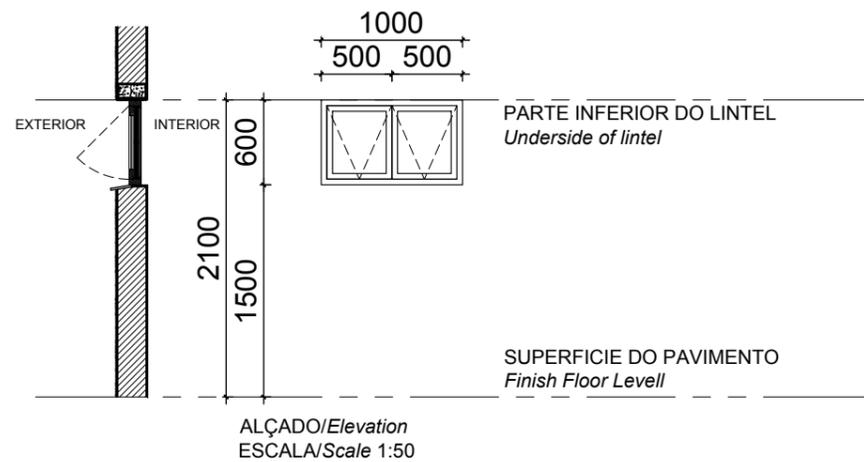
<b>Frame:</b> Aro:	WOOD FRAME TO MANUFACTURERS SPECS  SOLID TIMBER WINDOW , 2 GLASS PANELS ON OUTSIDE & 2 MOSQUITO SCREEN PANELS ON THE INSIDE  WINDOW TO BE FROM SWARTLAND OR SIMILAR
-----------------------	---

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

<b>Ironmongery</b> Ferragens	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
---------------------------------	--

<b>Glazing:</b> Vidros:	3mm CLEAR GLASS
----------------------------	-----------------

**Glazing Notes:**



<b>Code:</b> Codigo:	<b>W4</b>	<b>Position:</b> Localização:	WC & STORE	<b>Qty:</b> Qtd:	2
-------------------------	-----------	----------------------------------	------------	---------------------	---

<b>Frame:</b> Aro:	WOOD FRAME TO MANUFACTURERS SPECS  SOLID TIMBER TOP HUNG WINDOW, 2 GLASS PANELS ON OUTSIDE & 2 MOSQUITO SCREEN PANELS ON THE INSIDE  WINDOW TO BE FROM SWARTLAND OR SIMILAR
-----------------------	---

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

<b>Ironmongery</b> Ferragens	PIVOT AT THE TOP WITH OUTWARD SWINGING SASH AND PUSH OUT LEVER TO MANUFACTURER SPEC'S.  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
---------------------------------	--

<b>Glazing:</b> Vidros:	3mm CLEAR GLASS
----------------------------	-----------------

**Glazing Notes:**

**NOTES:**

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

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A	12/08/15	MM	CP	ISSUED INTERNAL REVIEW
B	12/08/15	MM	CP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	CP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	CP	ISSUED FOR CLIENT REVIEW
E	13/11/15	MM	CP	ISSUED CLIENT APPROVAL
0	25/11/15	MM	CP	ISSUED FOR CONSTRUCTION



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CLIENT



PROJECT  
AMA 1  
RESETTLEMENT  
VILLAGE

**DRAWING DESCRIPTION**

CENTRO COMUNITÁRIO - MAPA DE VÃOS FOLHA 2 DE 5  
COMMUNITY CENTRE - WINDOW & DOOR SCHEDULE SHEET 2 OF 5

SCALE	DATE
A3@AS SHOWN	NOV 2015

DRAWING NUMBER:	REV Nº
C00290-00-AR-SCH-0005-002	0

ANADARKO DRAWING NUMBER:
EA-MZ-CI0100-WOR-E05-00046-02

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

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

ARCHITECTURAL  
EA-MZ-CI0100-WOR-E04-00612-01

# ADMISTRAÇÃO/ Administration WINDOWS & DOOR SCHEDULE/ Mapa de vãos: Janelas & Portas

ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED/VERIFIED ON SITE AND ANY DISCREPENCIES ARE TO BE REPORTED TO THE ARCHITECT  
TODAS DIMENSÕES E NÍVEIS DEVEM SER VERIFICADOS NA OBRA E QUALQUER DISCREPÂNCIA DEVERÁ SER COMUNICADA AO ARQUITECTO

*Handwritten signatures and initials*

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REVISIONS				
NO.	DATE	CHK	DONE BY	DESCRIPTION
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B	12/08/15	MM	CP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	CP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	CP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	CP	ISSUED CLIENT APPROVAL
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CLIENT

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

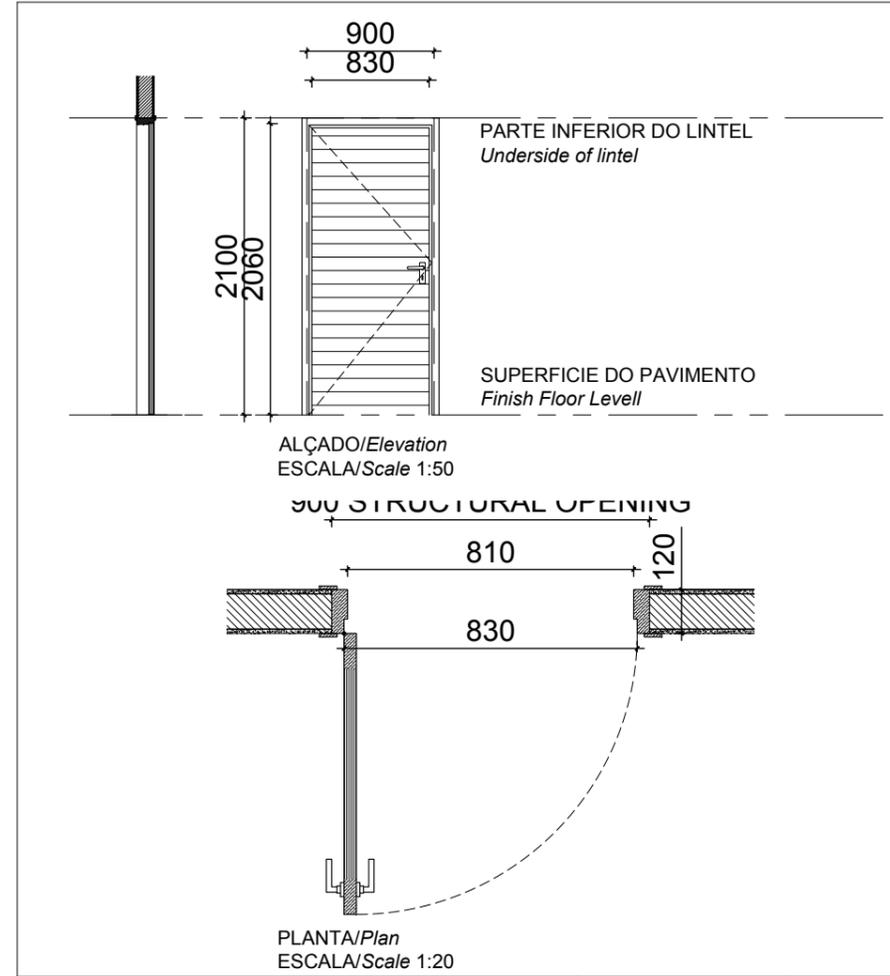
PROJECT  
AMA 1  
RESETTLEMENT  
VILLAGE

DRAWING DESCRIPTION  
CENTRO COMUNITÁRIO - MAPA  
DE VÃOS FOLHA 1 DE 5  
COMMUNITY CENTRE - WINDOW  
& DOOR SCHEDULE SHEET 1 OF  
5

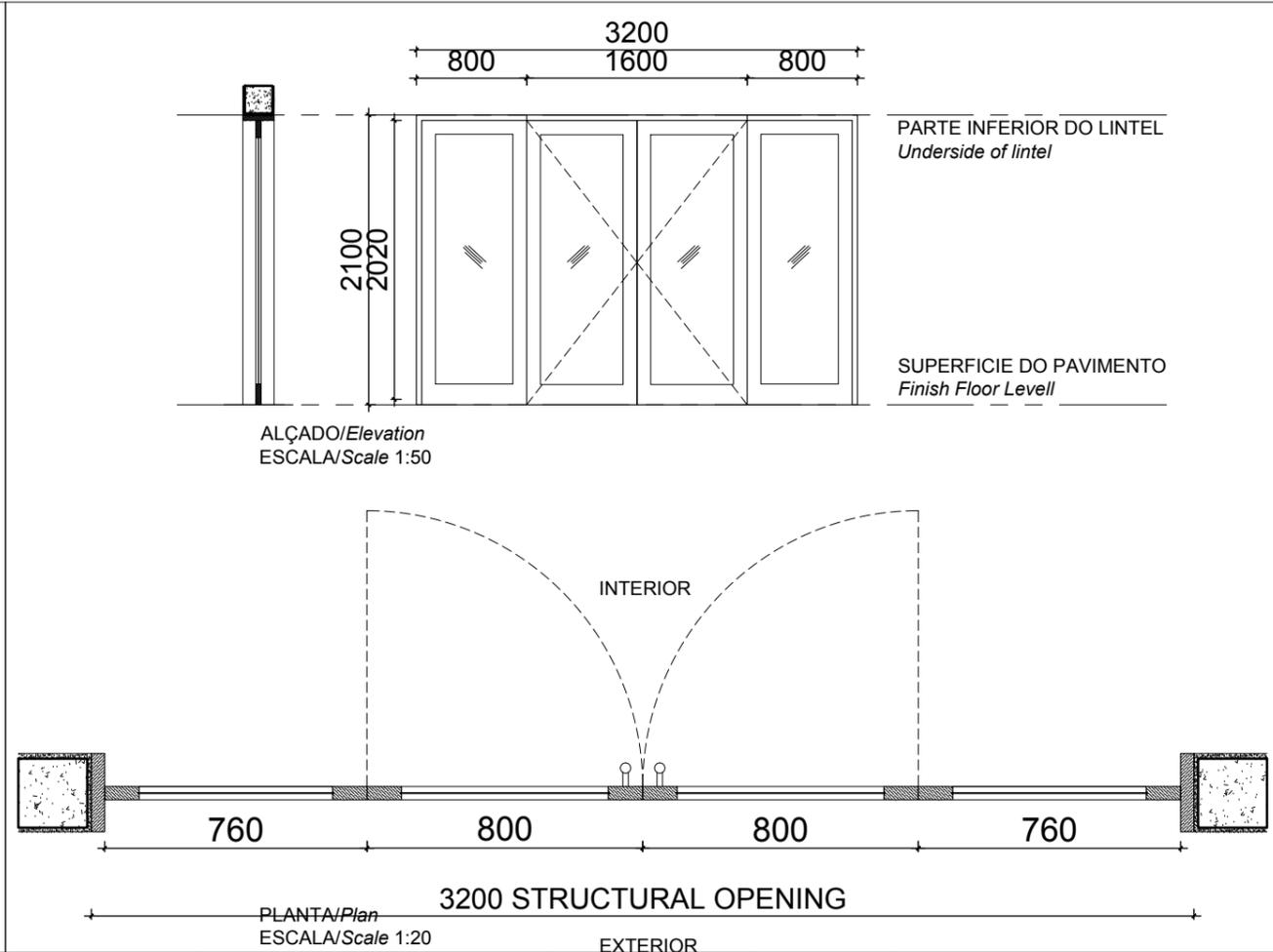
SCALE A3@AS SHOWN	DATE NOV 2015
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DRAWING NUMBER: C00290-00-AR-SCH-0005	REV Nº 0
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ANADARKO DRAWING NUMBER:  
EA-MZ-CI0100-WOR-E05-00046-01



<b>Code:</b> Codigo:	<b>D2</b>	<b>Position:</b> Localização:	Administration	<b>Qty:</b> Qtd:	4
<b>Frame:</b> Aro:	WOOD FRAME TO MANUFACTURERS SPECS SEMI SOLID TIMBER DOOR DOORS TO BE TYPE ZKID - from SWARTLAND OR SIMILAR				
<b>Finish:</b> Acabamentos:	3 COATS CLEAR VARNISH				
<b>Ironmongery</b> Ferragens	102 x 75 x 3mm PVD DOUBLE BALL BEARING BUTT HINGE X 3 PER DOOR LOCK (2 LEVER) WITH HANDLES POLISHED CHROME FINISH SIMILAR TO YALE GOWER HANDLE				
<b>Glazing:</b> Vidros:					
<b>Glazing Notes:</b>					



<b>Code:</b> Codigo:	<b>D9</b>	<b>Position:</b> Localização:	Administration Reception	<b>Qty:</b> Qtd:	1
<b>Frame:</b> Aro:	WOOD FRAME TO MANUFACTURERS SPECS SOLID WOOD DOOR WITH GLASS PANES DOOR TO BE from SWARTLAND OR SIMILAR				
<b>Finish:</b> Acabamentos:	1 COAT PRIMER 1 COAT UNDERCOAT AND 2 COATS PLASCON ENAMEL DOORS & TRIMS COLOUR "LIGHT BROWN" OR EQUAL & APPROVED				
<b>Ironmongery</b> Ferragens	IRONMONGERY TO MANUFACTURERS SPECS				
<b>Glazing:</b> Vidros:	3mm LAMINATED CLEAR GLASS				
<b>Glazing Notes:</b>					

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

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

ARCHITECTURAL  
EA-MZ-CI0100-WOR-E04-00612-01

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

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL

EA-MZ-CI0100-WOR-E04-00901-01  
EA-MZ-CI0100-WOR-E04-00500-01  
EA-MZ-CI0100-WOR-E04-00605-01  
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EA-MZ-CI0100-WOR-E05-00517-01  
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EA-MZ-CI0000-WOR-E05-00052-01

STRUCTURAL

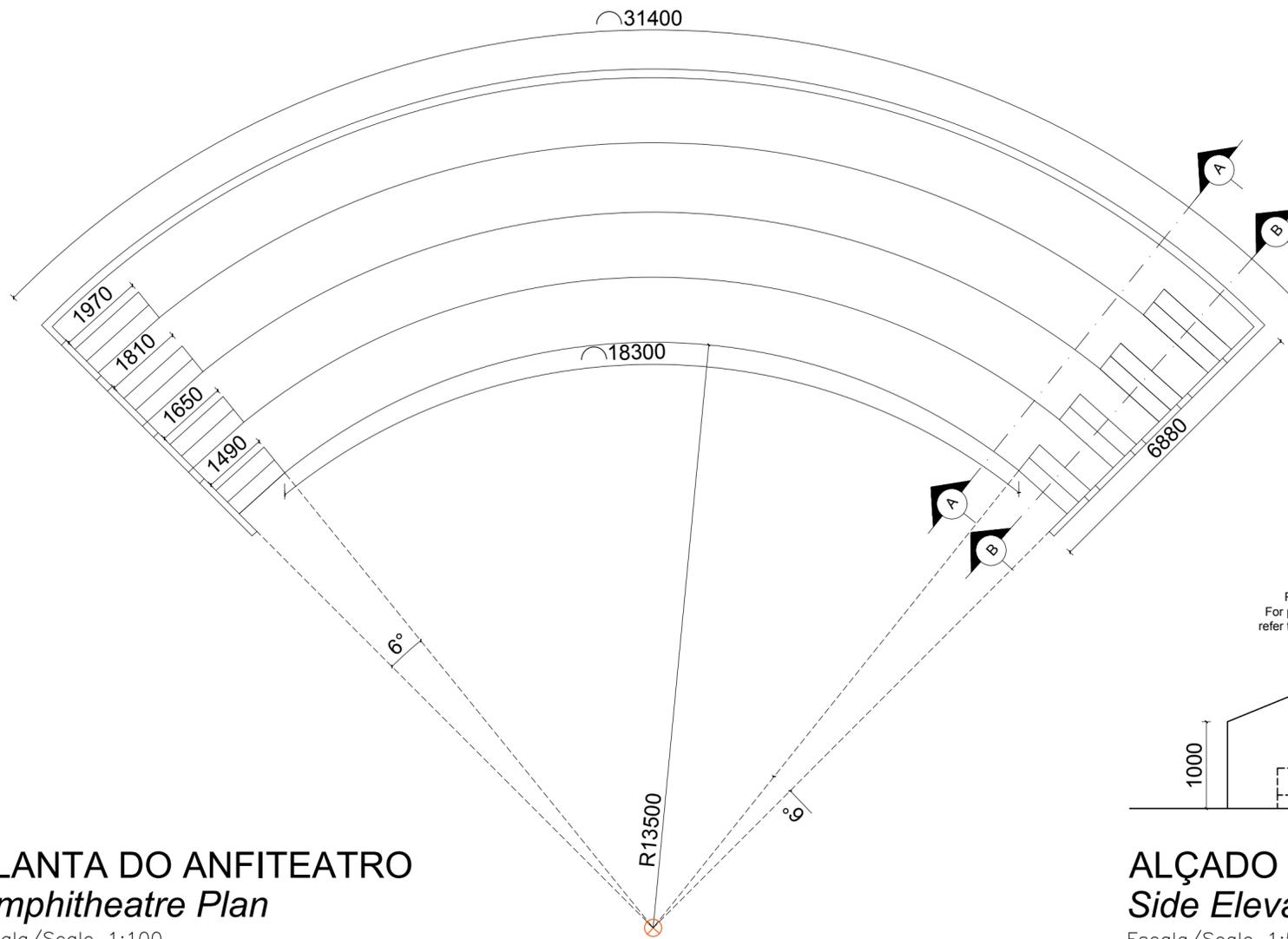
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EA-MZ-CI0100-WOR-E05-00557-01  
EA-MZ-CI0100-WOR-E05-00558-01

WATER

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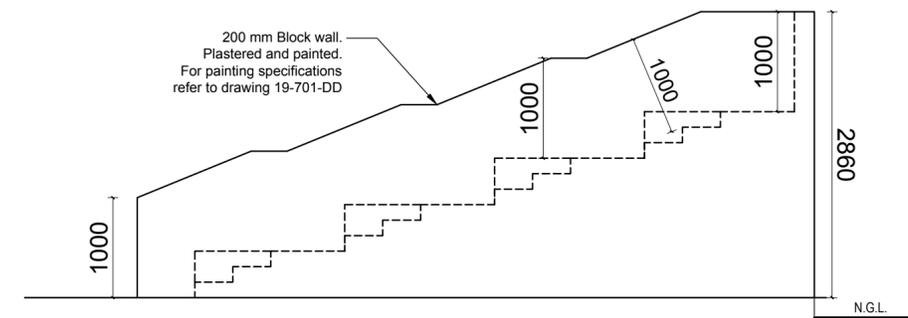
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EA-MZ-CI0100-WOR-E02-00531-01  
EA-MZ-CI0100-WOR-E02-00530-01  
EA-MZ-CI0100-WOR-E02-00535-01



PLANTA DO ANFITEATRO  
Amphitheatre Plan

Escala/Scale 1:100



ALÇADO LATERAL  
Side Elevation

Escala/Scale 1:50



CORTE AA  
Section AA

Escala/Scale 1:50



CORTE BB  
Section BB

Escala/Scale 1:50

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C	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	AP	ISSUED CLIENT APPROVAL
O	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION

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	NAME	SIGNATURE	DATE
DRAWN BY:	AP		
CHECKED:	MM		
DESIGNER:	AP		
PROJECT ENG MANAGER:	L PADAYACHEE		
LOCAL PR ENG:			
CLIENT:	G MARAVIGLIA		

CLIENT  
**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

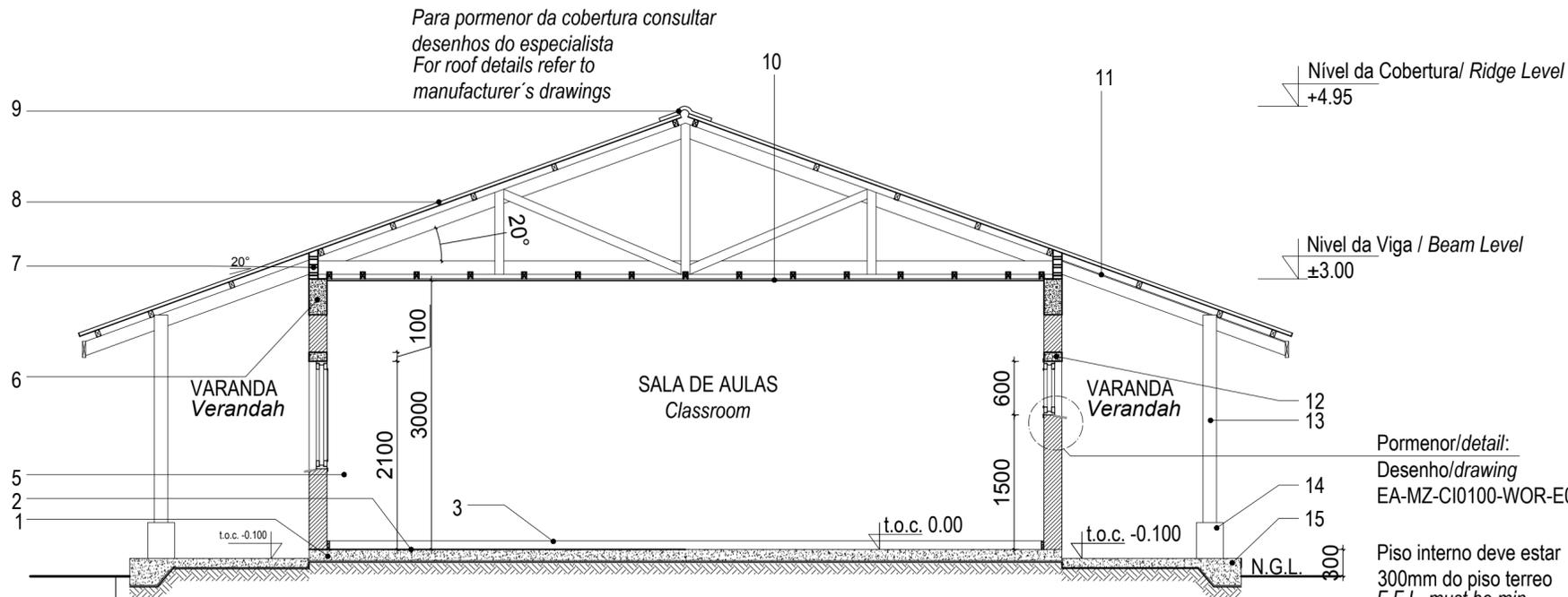
PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**CENTRO COMUNITÁRIO -**  
**PORMENOR DO ANFITEATRO**  
**COMMUNITY CENTRE -**  
**AMPHITHEATRE DETAIL**

SCALE AS SHOWN ORIGINAL DWG SIZE A2	DATE NOV 2015
---	------------------

DRAWING NUMBER C00290-00-AR-DRD-0002-001	REV NO 0
---	-------------

ANADARKO DRAWING NUMBER  
EA-MZ-CI0100-WOR-E05-00045-01



## Corte A-A Section A-A

Escala/Scale 1:50

Para pormenor da cobertura consultar  
desenhos do especialista  
For roof details refer to  
manufacturer's drawings

Nível da Cobertura / Ridge Level  
+4.95

Nível da Viga / Beam Level  
±3.00

Pormenor/detail:  
Desenho/drawing  
EA-MZ-CI0100-WOR-E05-00049-01

Piso interno deve estar  
300mm do piso terreo  
F.F.L. must be min.  
300mm above n.g.l.

## 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\_Parede com reboco liso, pintada a tinta plástica

Wall with plain plaster and PVA painted

4\_Viga de coroamento em betão armado

Concrete ring beam

5\_Blocos ventiladores com rede mosquiteira sintectica

Vent blocks with mosquito net

6\_Cobertura em chapas metálicas esmaltadas com perfil IBR

com isolamento Sisolation 405

Enameled metalic roof sheeting with IBR profile on graded SA pine battens

with sisalation 405 roof underlay fixed to prefabricated roof trusses

7\_Cumeeira em chapa esmaltada

Enameled sheet ridge cap

8\_Tecto falso em placas de gesso cartonado pintado a tinta plástica

sob estrutura de madeira

Ceiling in Gypsum board PVA painted under wooden structure

9\_Tecto falso NUTEC em fibra de cimento

Fiber cement NUTEC soffit board

10\_Lintel em betão armado

Concrete lintel

11\_Pilar em madeira tratada

Treated timber column

12\_Base do pilar em betão, pitado a tinta plástica

Concrete column base, painted with washable PVA paint

13\_Laje de pavimento da varanda

Concrete verandah slab

ESTE DESENHO É PARA SER LIDO EM  
CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN  
CONJUNCTION WITH:

ARCHITECTURAL  
EA-MZ-CI0100-WOR-E04-00901-01  
EA-MZ-CI0100-WOR-E04-00500-01  
EA-MZ-CI0100-WOR-E04-00605-01  
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EA-MZ-CI0100-WOR-E05-00198-01  
EA-MZ-CI0100-WOR-E05-00046-01  
EA-MZ-CI0100-WOR-E05-00045-01

STRUCTURAL  
EA-MZ-CI0100-WOR-E05-00005-01  
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WATER  
EA-MZ-CI0100-WOR-E05-00595-01  
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ELECTRICAL  
EA-MZ-CI0100-WOR-E02-00532-01  
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EA-MZ-CI0100-WOR-E02-00530-01  
EA-MZ-CI0100-WOR-E02-00535-01

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0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION



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**MESCH**

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	NAME	SIGNATURE	DATE
DRAWN BY:	AP		
CHECKED:	MM		
DESIGNER:	AP		
PROJECT ENG MANAGER	L PADAYACHEE		
LOCAL PR ENG:			
CLIENT:	G MARAVIGLIA		

CLIENT



**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
CENTRO COMUNITÁRIO -  
LAYOUT DA SALA DE AULAS FOLHA  
3 DE 3

COMMUNITY CENTRE -  
CLASSROOM LAYOUT SHEET 3 OF 3

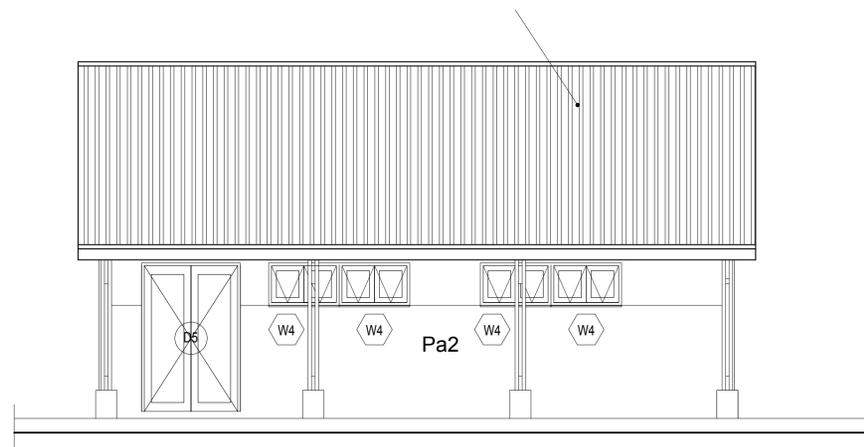
SCALE  
AS SHOWN  
ORIGINAL DWG SIZE A2

DATE  
NOV 2015

DRAWING NUMBER  
C00290-00-AR-DLP-0141-003

REV NO  
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ANADARKO DRAWING NUMBER  
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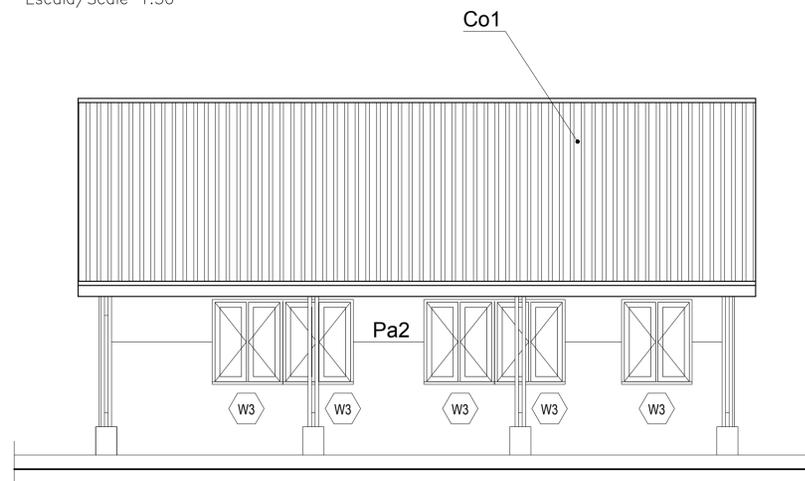
**ALÇADO FRONTAL**  
*Front Elevation*

Escala/Scale 1:50

Nivel da Cobertura Ridge Level  
+4.95

Beiral / Eaves  
+2.14

Nivel Piso Interno /  
T.O.C.  
±0.00



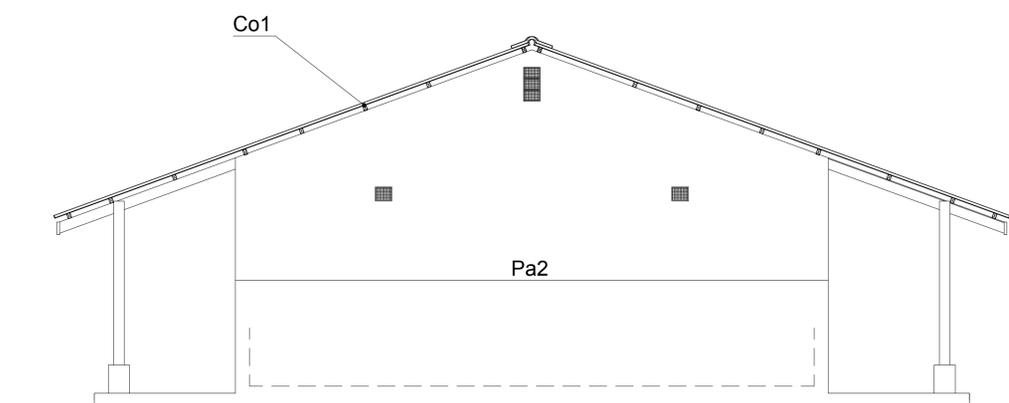
**ALÇADO POSTERIOR**  
*Back Elevation*

Escala/Scale 1:50

Nivel da Cobertura Ridge Level  
+4.95

Beiral / Eaves  
+2.14

Nivel Piso Interno /  
T.O.C.  
±0.00



**ALÇADO LATERAL**  
*Side Elevation*

Escala/Scale 1:50

Nivel da Cobertura Ridge Level  
+4.95

Beiral / Eaves  
+2.14

Nivel Piso Interno /  
T.O.C.  
±0.00

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

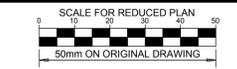
THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL  
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STRUCTURAL  
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EA-MZ-CI0000-WOR-E05-00052-01

WATER  
EA-MZ-CI0100-WOR-E05-00595-01  
EA-MZ-CI0100-WOR-E05-00595-02  
EA-MZ-CI0100-WOR-E05-00595-03

ELECTRICAL  
EA-MZ-CI0100-WOR-E02-00532-01  
EA-MZ-CI0100-WOR-E02-00531-01  
EA-MZ-CI0100-WOR-E02-00530-01  
EA-MZ-CI0100-WOR-E02-00535-01



**NOTES**

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL  
EA-MZ-CI0100-WOR-E04-00505-01  
EA-MZ-CI0100-WOR-E04-00600-02  
EA-MZ-CI0100-WOR-E05-00028-01 (DETAIL A)  
EA-MZ-CI0100-WOR-E05-00029-01 (DETAIL B)  
EA-MZ-CI0100-WOR-E04-00606-01  
EA-MZ-CI0100-WOR-E05-00044-01

STRUCTURAL  
EA-MZ-CI0100-WOR-E05-00616-01  
EA-MZ-CI0100-WOR-E05-00617-01  
EA-MZ-CI0100-WOR-E05-00618-01  
EA-MZ-CI0100-WOR-E05-00656-01  
EA-MZ-CI0100-WOR-E05-00657-01  
EA-MZ-CI0100-WOR-E05-00658-01

WATER  
EA-MZ-CI0100-WOR-E05-01295-01

ELECTRICAL  
EA-MZ-CI0100-WOR-E02-00630-01  
EA-MZ-CI0100-WOR-E02-00640-01

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B	12/08/15	MM	AP	ISSUED FOR DETAIL DESIGN
C	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	19/11/15	MM	AP	ISSUED CLIENT APPROVAL
0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION

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**MESCI**  
arquitectos

	NAME	SIGNATURE	DATE
DRAWN BY:	AP		
CHECKED:	MM		
DESIGNER:	AP		
PR ENG:			
PROJECT ENG MANAGER:	L PADAYACHEE		
LOCAL PR ENG:			
CLIENT:			

CLIENT  
**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
CENTRO COMUNITÁRIO -  
LAYOUT DA SALA DE AULAS FOLHA  
2 DE 3

COMMUNITY CENTRE -  
CLASSROOM LAYOUT SHEET 2 OF 3

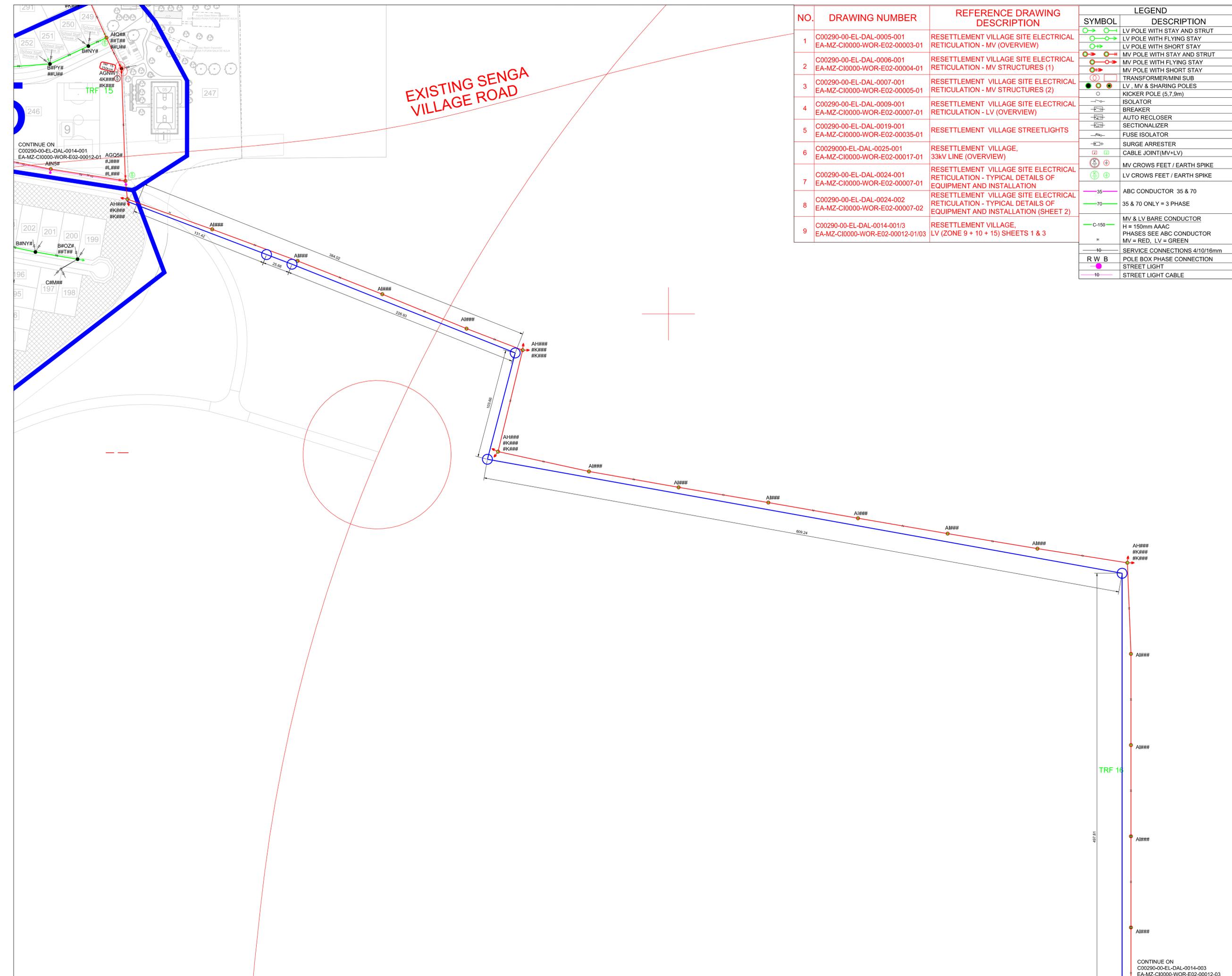
SCALE AS SHOWN ORIGINAL DWG SIZE A1 DATE NOVEMBER 2015

DRAWING NUMBER C00290-00-AR-DLP-0141-002 REV NO 0

ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E04-01113-02

	<i>Mozambique Gas Development</i>		 Moçambique Área 1, Lda  
	Resettlement Plan		
	Annex I: Construction drawings		
Rev. 1	Rev Date: 27-May-16		

## 8. ELECTRICAL



EXISTING SENGA VILLAGE ROAD

NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0005-001 EA-MZ-CI0000-WOR-E02-00003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)
2	C00290-00-EL-DAL-0006-001 EA-MZ-CI0000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
3	C00290-00-EL-DAL-0007-001 EA-MZ-CI0000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
4	C00290-00-EL-DAL-0009-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)
5	C00290-00-EL-DAL-0019-001 EA-MZ-CI0000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
6	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33kV LINE (OVERVIEW)
7	C00290-00-EL-DAL-0024-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION
8	C00290-00-EL-DAL-0024-002 EA-MZ-CI0000-WOR-E02-00007-02	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2)
9	C00290-00-EL-DAL-0014-001/3 EA-MZ-CI0000-WOR-E02-00012-01/03	RESETTLEMENT VILLAGE, LV (ZONE 9 + 10 + 15) SHEETS 1 & 3

LEGEND	
SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MINI SUB
	LV, MV & SHARING POLES
	KICKER POLE (5,7,9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT(MV+LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	ABC CONDUCTOR 35 & 70
	35 & 70 ONLY = 3 PHASE
	MV & LV BARE CONDUCTOR H = 150mm AAAC PHASES SEE ABC CONDUCTOR MV = RED, LV = GREEN
	SERVICE CONNECTIONS 4/10/16mm
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE

**NOTES**

1. FOR POLE STRUCTURE CODES REFER TO C00290-00-EL-DAL-0006-001  
EA-MZ-CI0000-WOR-E02-00004-01

KEYPLAN  
SCALE: N.T.S.

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B	23/07/15	TM	TM	ISSUED FOR DETAILED DESIGN
C	17/09/15	TM	TM	ISSUED FOR SQUAD CHECK
D	03/10/15	GM	MM	ISSUED FOR CLIENT REVIEW
D1	20/11/15	GM	MM	ISSUED FOR CLIENT REVIEW
E	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL
0	03/12/15	TM	MM	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: M Maritz		30/09/2015
CHECKED: T Meyer		30/09/2015
DESIGNER: C Brandsen		30/09/2015
PR ENG: J Pretorius		30/09/2015
PROJECT ENG: L Padayachee		30/09/2015
MANAGER:		
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

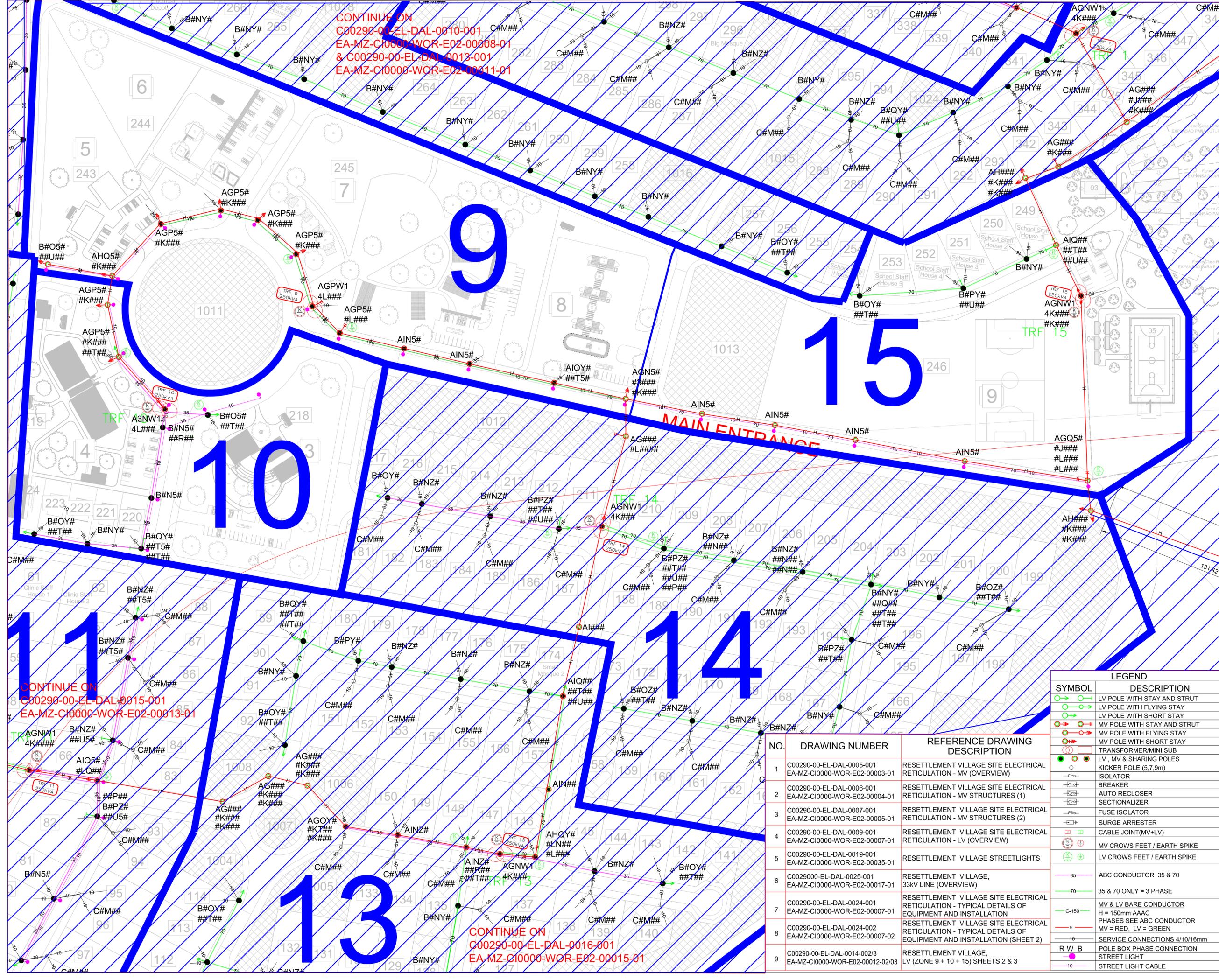
**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (ZONE 9 + 10 + 15) (SHEET 002)**

SCALE NOT TO SCALE ORIGINAL DWG SIZE A1	DATE 03/12/2015
DRAWING NUMBER C00290-00-EL-DAL-0014-002	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E02-00012-02	

CONTINUE ON  
C00290-00-EL-DAL-0014-003  
EA-MZ-CI0000-WOR-E02-00012-03



CONTINUE ON  
 C00290-00-EL-DAL-0010-001  
 EA-MZ-CI0000-WOR-E02-00008-01  
 & C00290-00-EL-DAL-0013-001  
 EA-MZ-CI0000-WOR-E02-00011-01

CONTINUE ON  
 C00290-00-EL-DAL-0015-001  
 EA-MZ-CI0000-WOR-E02-00013-01

CONTINUE ON  
 C00290-00-EL-DAL-0016-001  
 EA-MZ-CI0000-WOR-E02-00015-01

**NOTES**

- FOR POLE STRUCTURE CODES REFER TO C00290-00-EL-DAL-0006-001  
EA-MZ-CI0000-WOR-E02-00004-01

**KEYPLAN**  
SCALE: N.T.S.

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B	23/07/15	TM	TM	ISSUED FOR DETAILED DESIGN
C	17/09/15	TM	TM	ISSUED FOR SQUAD CHECK
D	03/10/15	GM	MM	ISSUED FOR CLIENT REVIEW
D1	20/11/15	GM	MM	ISSUED FOR CLIENT REVIEW
E	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL
E	03/12/15	TM	MM	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
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DESIGNER: C Brandson		30/09/2015
PR ENG: J Pretorius		30/09/2015
PROJECT ENG. MANAGER: L Padayachee		30/09/2015
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

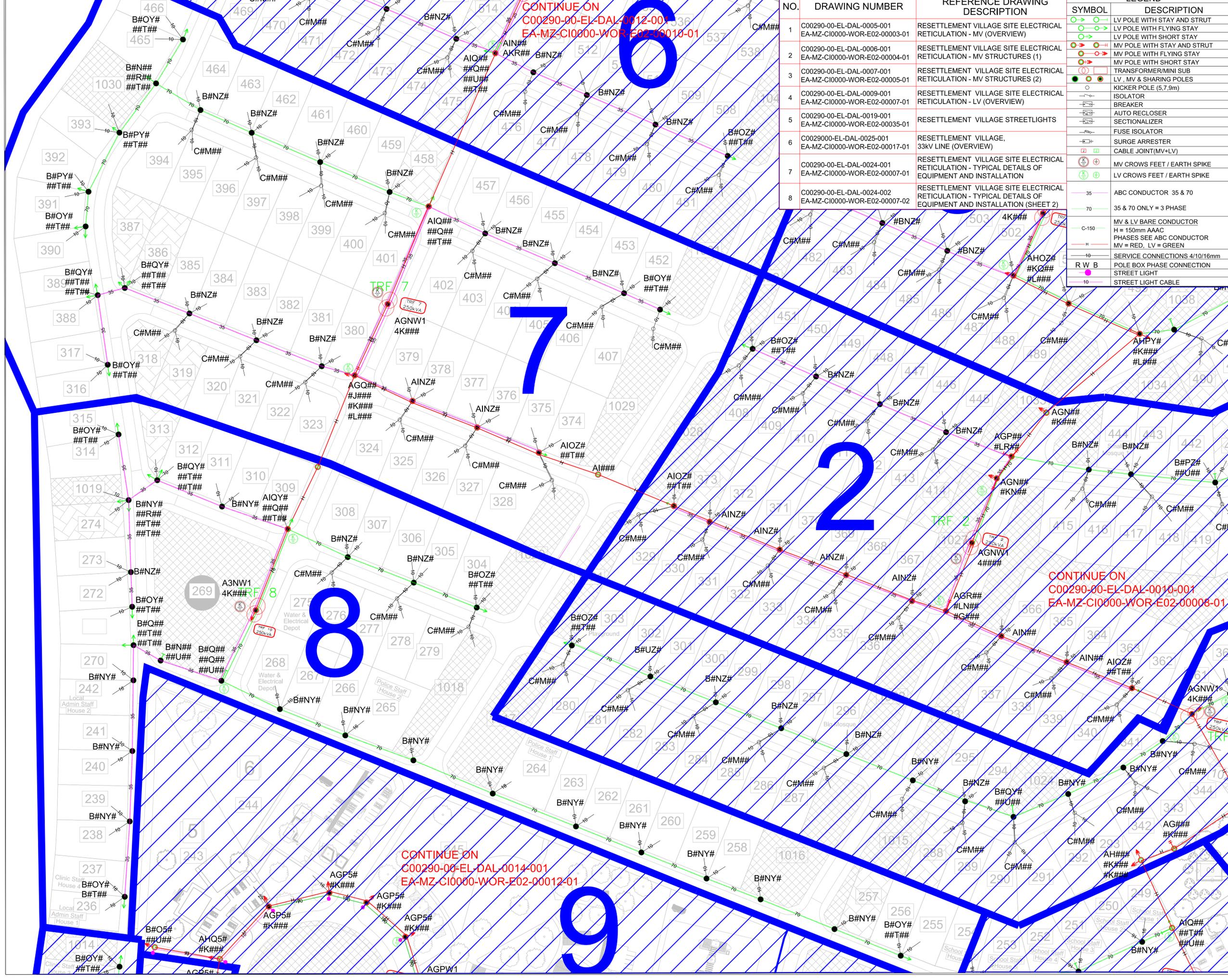
DRAWING DESCRIPTION  
**RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (ZONE 9 + 10 + 15) (SHEET 001)**

SCALE	DATE
NOT TO SCALE	03/12/2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0014-001	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0000-WOR-E02-00012-01	

NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0005-001 EA-MZ-CI0000-WOR-E02-00003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)
2	C00290-00-EL-DAL-0006-001 EA-MZ-CI0000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
3	C00290-00-EL-DAL-0007-001 EA-MZ-CI0000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
4	C00290-00-EL-DAL-0009-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)
5	C00290-00-EL-DAL-0019-001 EA-MZ-CI0000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
6	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33kV LINE (OVERVIEW)
7	C00290-00-EL-DAL-0024-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION
8	C00290-00-EL-DAL-0024-002 EA-MZ-CI0000-WOR-E02-00007-02	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2)
9	C00290-00-EL-DAL-0014-002/3 EA-MZ-CI0000-WOR-E02-00012-02/03	RESETTLEMENT VILLAGE, LV (ZONE 9 + 10 + 15) SHEETS 2 & 3

**LEGEND**

SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MINI SUB
	LV, MV & SHARING POLES
	KICKER POLE (5,7,9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT(MV+LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	35 - ABC CONDUCTOR 35 & 70
	70 - 35 & 70 ONLY = 3 PHASE
	C-150
	MV & LV BARE CONDUCTOR H = 150mm AAC PHASES SEE ABC CONDUCTOR MV = RED, LV = GREEN
	10 - SERVICE CONNECTIONS 4/10/16mm
	R W B - POLE BOX PHASE CONNECTION
	STREET LIGHT
	10 - STREET LIGHT CABLE



CONTINUE ON  
C00290-00-EL-DAL-0012-001  
EA-MZ-CI0000-WOR-E02-00010-01

NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0005-001 EA-MZ-CI0000-WOR-E02-00003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)
2	C00290-00-EL-DAL-0006-001 EA-MZ-CI0000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
3	C00290-00-EL-DAL-0007-001 EA-MZ-CI0000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
4	C00290-00-EL-DAL-0009-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)
5	C00290-00-EL-DAL-0019-001 EA-MZ-CI0000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
6	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33kV LINE (OVERVIEW)
7	C00290-00-EL-DAL-0024-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION
8	C00290-00-EL-DAL-0024-002 EA-MZ-CI0000-WOR-E02-00007-02	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2)

**LEGEND**

SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MINI SUB
	LV, MV & SHARING POLES
	KICKER POLE (5.7.9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT(MV+LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	35
	70
	MV & LV BARE CONDUCTOR H = 150mm AAAC PHASES SEE ABC CONDUCTOR MV = RED, LV = GREEN
	10
	SERVICE CONNECTIONS 4/10/16mm
	R W B POLE BOX PHASE CONNECTION
	STREET LIGHT
	10
	STREET LIGHT CABLE

**NOTES**

1. FOR POLE STRUCTURE CODES REFER TO C00290-00-EL-DAL-0006-001  
EA-MZ-CI0000-WOR-E02-00004-01

**KEYPLAN**  
SCALE: N.T.S.

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B	23/07/15	TM	TM	ISSUED FOR DETAILED REVIEW
C	17/09/15	TM	TM	ISSUED FOR SQUAD CHECK
D	03/10/15	GM	MM	ISSUED FOR CLIENT REVIEW
D1	20/11/15	GM	MM	ISSUED FOR CLIENT REVIEW
E	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL
O	03/12/15	TM	MM	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: M MANTZ		30/09/2015
CHECKED: T Meyer		30/09/2015
DESIGNER: C Branden		30/09/2015
PR ENG: J Pretorius		30/09/2015
PROJECT ENG. MANAGER: L Padayachee		30/09/2015
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Area 1, Lda

**PROJECT**  
AMA 1  
RESETTLEMENT VILLAGE

**DRAWING DESCRIPTION**  
RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (ZONE 7 + 8)

SCALE: NOT TO SCALE  
ORIGINAL DWG SIZE A1

DATE: 03/12/2015

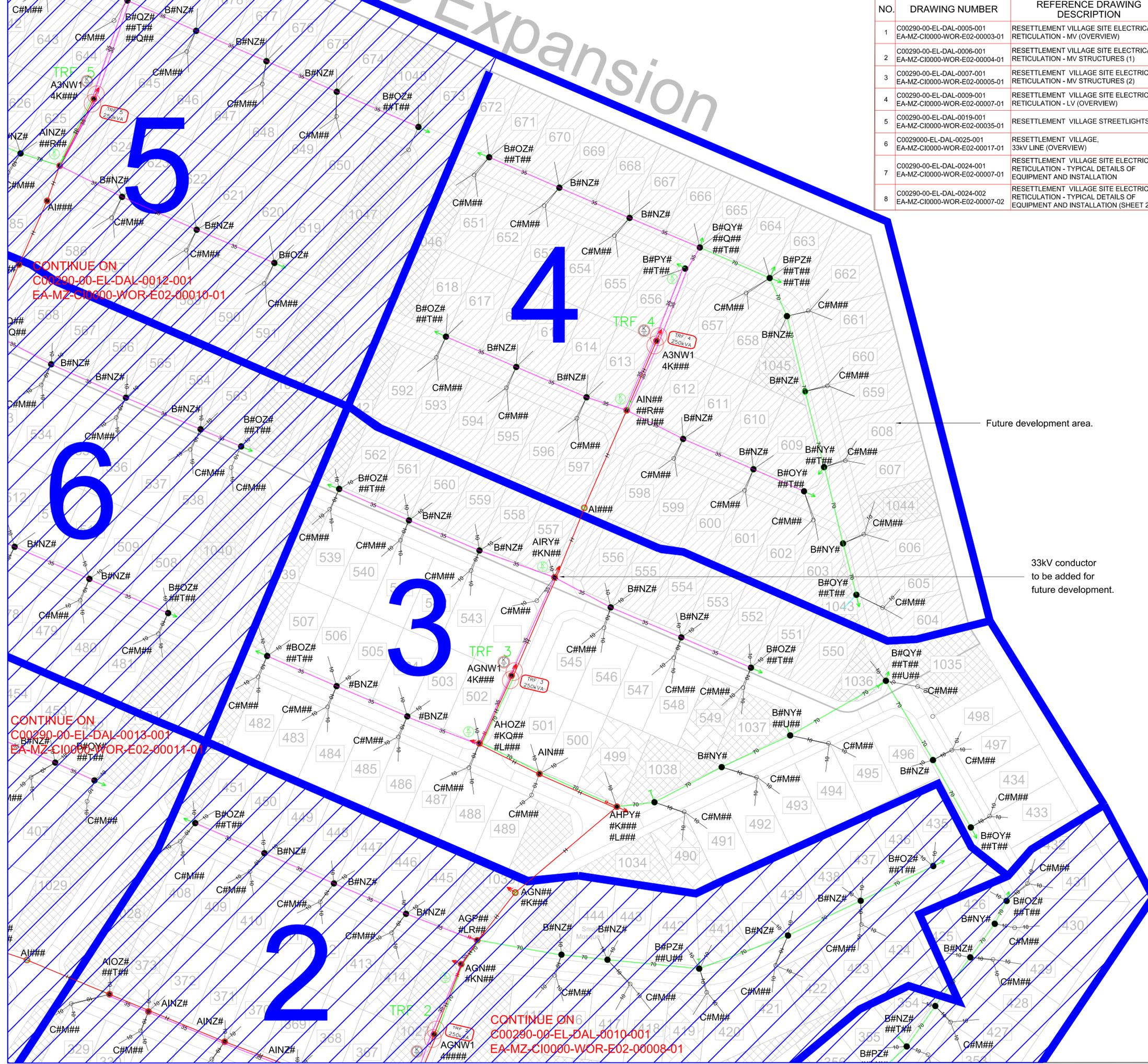
DRAWING NUMBER: C00290-00-EL-DAL-0013-001  
REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0000-WOR-E02-00011-01

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EA-MZ-CI0000-WOR-E02-00012-01

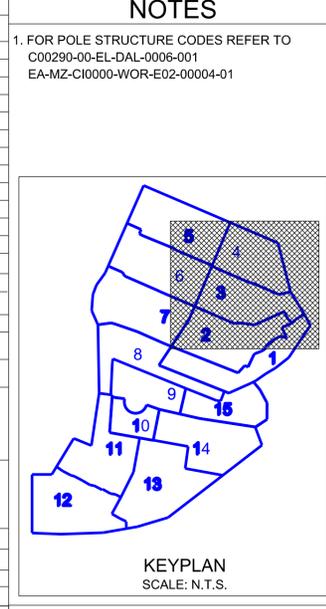
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EA-MZ-CI0000-WOR-E02-00008-01





NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0005-001 EA-MZ-C10000-WOR-E02-00003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)
2	C00290-00-EL-DAL-0006-001 EA-MZ-C10000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
3	C00290-00-EL-DAL-0007-001 EA-MZ-C10000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
4	C00290-00-EL-DAL-0009-001 EA-MZ-C10000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)
5	C00290-00-EL-DAL-0019-001 EA-MZ-C10000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
6	C0029000-EL-DAL-0025-001 EA-MZ-C10000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33kV LINE (OVERVIEW)
7	C00290-00-EL-DAL-0024-001 EA-MZ-C10000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION
8	C00290-00-EL-DAL-0024-002 EA-MZ-C10000-WOR-E02-00007-02	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2)

LEGEND	
SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MINI SUB
	LV, MV & SHARING POLES
	KICKER POLE (5.7.9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT(MV+LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	ABC CONDUCTOR 35 & 70
	35 & 70 ONLY = 3 PHASE
	MV & LV BARE CONDUCTOR
	H = 150mm AAC
	PHASES SEE ABC CONDUCTOR
	MV = RED, LV = GREEN
	SERVICE CONNECTIONS 4/10/16mm
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE



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NAME	SIGNATURE	DATE
DRAWN BY: M Maritz		30/09/2015
CHECKED: T Meyer		30/09/2015
DESIGNER: C Brandsen		30/09/2015
PR ENG: J Pretorius		30/09/2015
PROJECT ENG. MANAGER: L Padayachee		30/09/2015
CLIENT:		

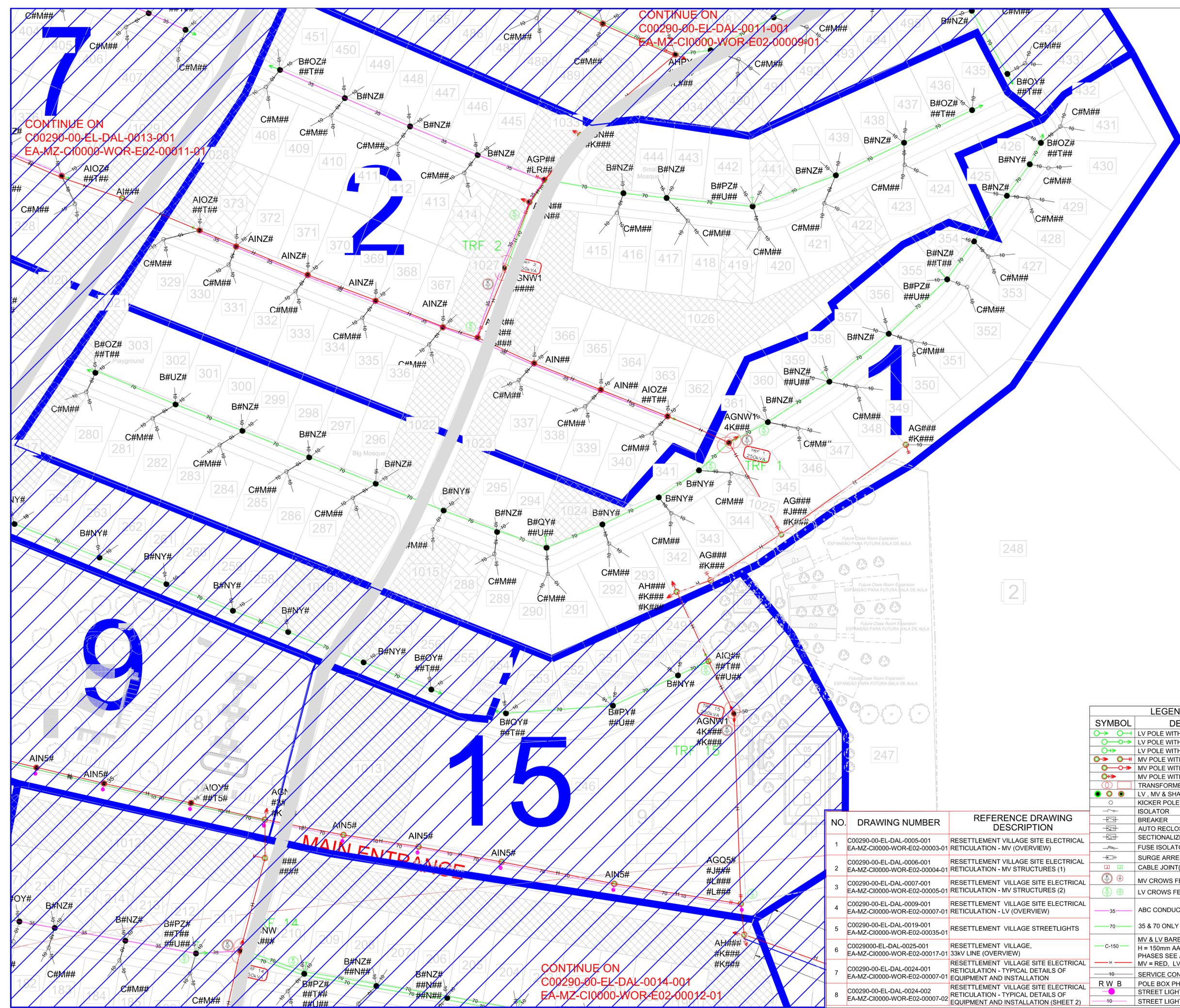
**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
AMA 1  
RESETTLEMENT VILLAGE

DRAWING DESCRIPTION  
RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (ZONE 3 + 4)

SCALE NOT TO SCALE	DATE 03/12/2015
DRAWING NUMBER C00290-00-EL-DAL-0011-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-C10000-WOR-E02-00009-01	



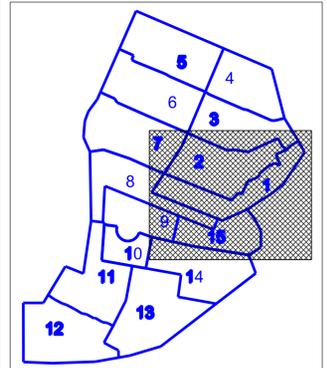
CONTINUE ON  
C00290-00-EL-DAL-0011-001  
EA-MZ-CI0000-WOR-E02-00009-01

CONTINUE ON  
C00290-00-EL-DAL-0013-001  
EA-MZ-CI0000-WOR-E02-00011-01

CONTINUE ON  
C00290-00-EL-DAL-0014-001  
EA-MZ-CI0000-WOR-E02-00012-01

**NOTES**

1. FOR POLE STRUCTURE CODES REFER TO  
C00290-00-EL-DAL-0006-001  
EA-MZ-CI0000-WOR-E02-00004-01



KEYPLAN  
SCALE: N.T.S.

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**REVISIONS**

NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	23/07/15	TM	TM	ISSUED FOR INTERNAL REVIEW
B	23/07/15	TM	TM	ISSUED FOR DETAILED DESIGN
C	17/09/15	TM	TM	ISSUED FOR SQUAD CHECK
D	03/10/15	GM	MM	ISSUED FOR CLIENT REVIEW
D1	20/11/15	GM	TM	ISSUED FOR CLIENT REVIEW
E	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL
O	03/12/15	TM	MM	ISSUED FOR CONSTRUCTION



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NAME	SIGNATURE	DATE
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PROJECT ENG. MANAGER: L Padayachee		30/09/2015
LOCAL PR ENG:		
CLIENT:		



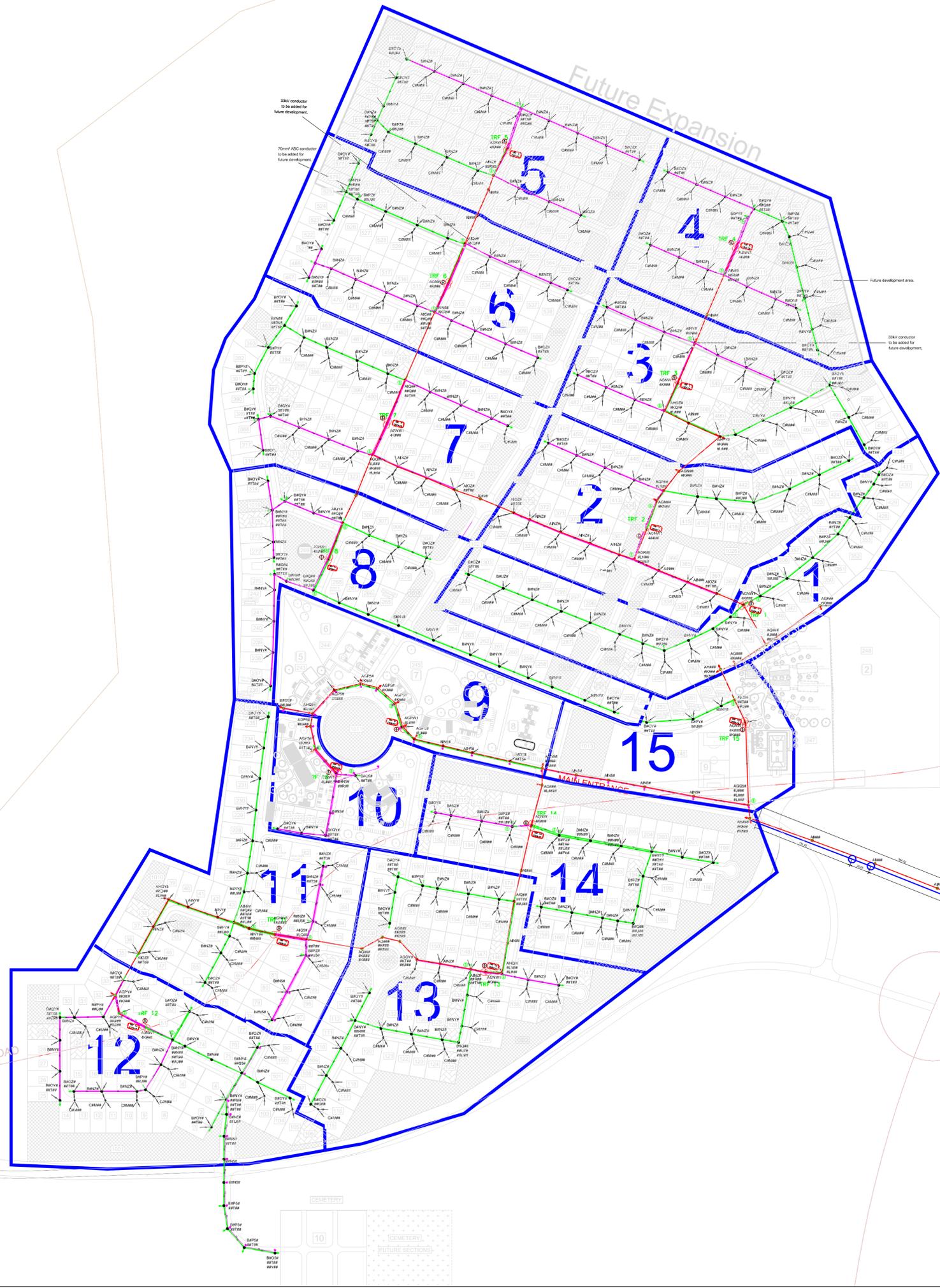
PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**RESETTLEMENT VILLAGE  
SITE ELECTRICAL  
RETICULATION -  
LV (ZONE 1 + 2)**

SCALE NOT TO SCALE	DATE 03/12/2015
DRAWING NUMBER C00290-00-EL-DAL-0010-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E02-00008-01	

LEGEND	
SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MINI SUB
	LV, MV & SHARING POLES
	KICKER POLE (5.7.9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT(MV-LV)
	LV CROWS FEET / EARTH SPIKE
	MV CROWS FEET / EARTH SPIKE
	ABC CONDUCTOR 35 & 70
	35 & 70 ONLY = 3 PHASE
	MV & LV BARE CONDUCTOR
	H = 150mm AAC
	PHASES SEE ABC CONDUCTOR
	MV = RED, LV = GREEN
	SERVICE CONNECTIONS 4/10/16mm
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE

NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0005-001 EA-MZ-CI0000-WOR-E02-00003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)
2	C00290-00-EL-DAL-0006-001 EA-MZ-CI0000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
3	C00290-00-EL-DAL-0007-001 EA-MZ-CI0000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
4	C00290-00-EL-DAL-0009-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)
5	C00290-00-EL-DAL-0019-001 EA-MZ-CI0000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
6	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33kV LINE (OVERVIEW)
7	C00290-00-EL-DAL-0024-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION
8	C00290-00-EL-DAL-0024-002 EA-MZ-CI0000-WOR-E02-00007-02	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2)



LEGEND	
SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MV SUB
	LV, MV & SHARING POLES
	KICKER POLE (5.7.9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT (MV-LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	35 & 70 ONLY = 3 PHASE
	MV & LV BARE CONDUCTOR H = 150mm AAAC PHASES SEE ABC CONDUCTOR MV = RED, LV = GREEN
	SERVICE CONNECTIONS 4/10/16mm
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE

**NOTES**

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E	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL
O	03/12/15	TM	MM	ISSUED FOR CONSTRUCTION

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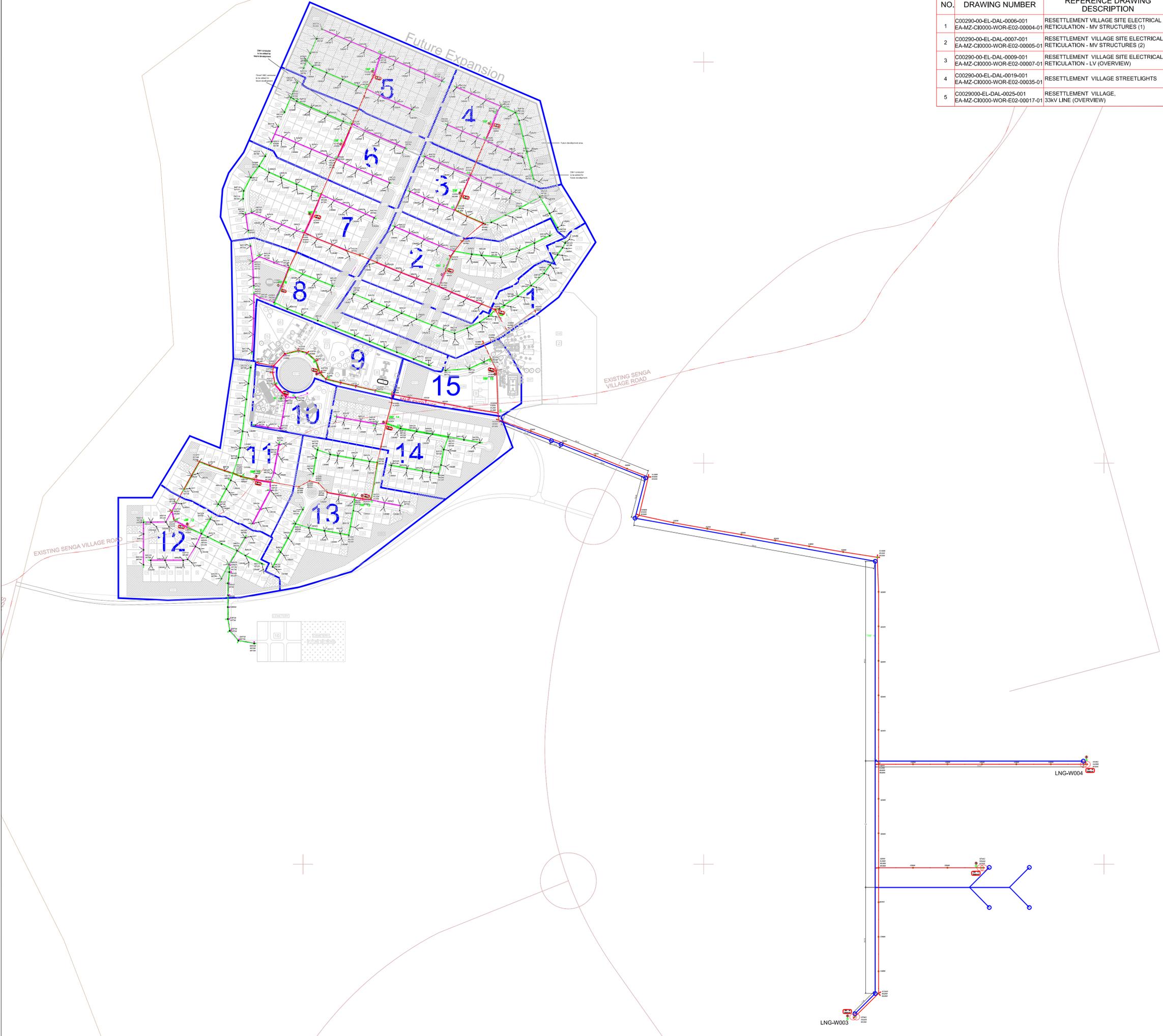


PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**RESETTLEMENT VILLAGE  
SITE ELECTRICAL  
RETICULATION -  
LV (OVERVIEW)**

NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0005-001 EA-MZ-CI0000-WOR-E02-00003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)
2	C00290-00-EL-DAL-0006-001 EA-MZ-CI0000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
3	C00290-00-EL-DAL-0007-001 EA-MZ-CI0000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
4	C00290-00-EL-DAL-0019-001 EA-MZ-CI0000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
5	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33kV LINE (OVERVIEW)
6	C00290-00-EL-DAL-0024-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION
7	C00290-00-EL-DAL-0024-002 EA-MZ-CI0000-WOR-E02-00007-02	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2)

SCALE <b>NOT TO SCALE</b>	DATE 03/12/2015
DRAWING NUMBER <b>C00290-00-EL-DAL-0009-001</b>	REV NO <b>0</b>
ANADARKO DRAWING NUMBER <b>EA-MZ-CI0000-WOR-E02-00007-01</b>	



NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0006-001 EA-MZ-CI0000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
2	C00290-00-EL-DAL-0007-001 EA-MZ-CI0000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
3	C00290-00-EL-DAL-0009-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)
4	C00290-00-EL-DAL-0019-001 EA-MZ-CI0000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
5	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33KV LINE (OVERVIEW)

LEGEND	
SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MINI SUB
	LV, MV & SHARING POLES
	KICKER POLE (5,7,9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT(MV+LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	ABC CONDUCTOR 35 & 70
	35 & 70 ONLY = 3 PHASE
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	H = 150mm AAC
	PHASES SEE ABC CONDUCTOR
	MV = RED, LV = GREEN
	SERVICE CONNECTIONS 4/10/16mm
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE

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A	23/07/15	TM	TM	ISSUED FOR INTERNAL REVIEW
B	23/07/15	TM	TM	ISSUED FOR DETAILED DESIGN
C	17/09/15	TM	MM	ISSUED FOR SQUAD CHECK
D	03/10/15	GM	MM	ISSUED FOR CLIENT REVIEW
E	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL
0	03/12/15	TM	MM	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
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CHECKED: T Meyer		30/09/2015
DESIGNER: C Brandsen		30/09/2015
PR ENG: J Pretorius		30/09/2015
PROJECT ENG. MANAGER: L Padayachee		30/09/2015
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

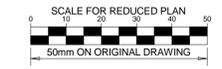
DRAWING DESCRIPTION  
**RESETTLEMENT VILLAGE  
SITE ELECTRICAL  
RETICULATION -  
MV (OVERVIEW)**

SCALE: NOT TO SCALE ORIGINAL DWG SIZE A1 DATE: 03/12/2015

DRAWING NUMBER: C00290-00-EL-DAL-0005-001 REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0000-WOR-E02-00003-01

LEGEND	
SYMBOL	DESCRIPTION
	33kV/400V 250kVA TRANSFORMER
	MANUAL ISOLATOR
	6A FUSE ISOLATOR



**NOTES**

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0025 EA-MZ-CI0000-WOR-E02-00017-01	33kV Line (Overview)
C00290-00-EL-DAL-0005 EA-MZ-CI0000-WOR-E02-00003-01	Site Electrical Reticulation – MV (Overview)
C00290-00-EL-DAL-0006 EA-MZ-CI0000-WOR-E02-00004-01	Site Electrical Reticulation – MV Structures(1)
C00290-00-EL-DAL-0007 EA-MZ-CI0000-WOR-E02-00005-01	Site Electrical Reticulation – MV Structures(2)
C00290-00-EL-DAL-0008 EA-MZ-CI0000-WOR-E02-00006-01	Site Electrical Reticulation – MV Structures Earthing

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NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	06/11/15	TM	TM	Issued for Peer Review
B	06/11/15	TM	TM	Issued for Detailed Design
C	19/11/15	TM	CB	Issued for Squad Check
D	19/11/15	TM	CB	Issued for Client Review
E	26/11/15	TM	CB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

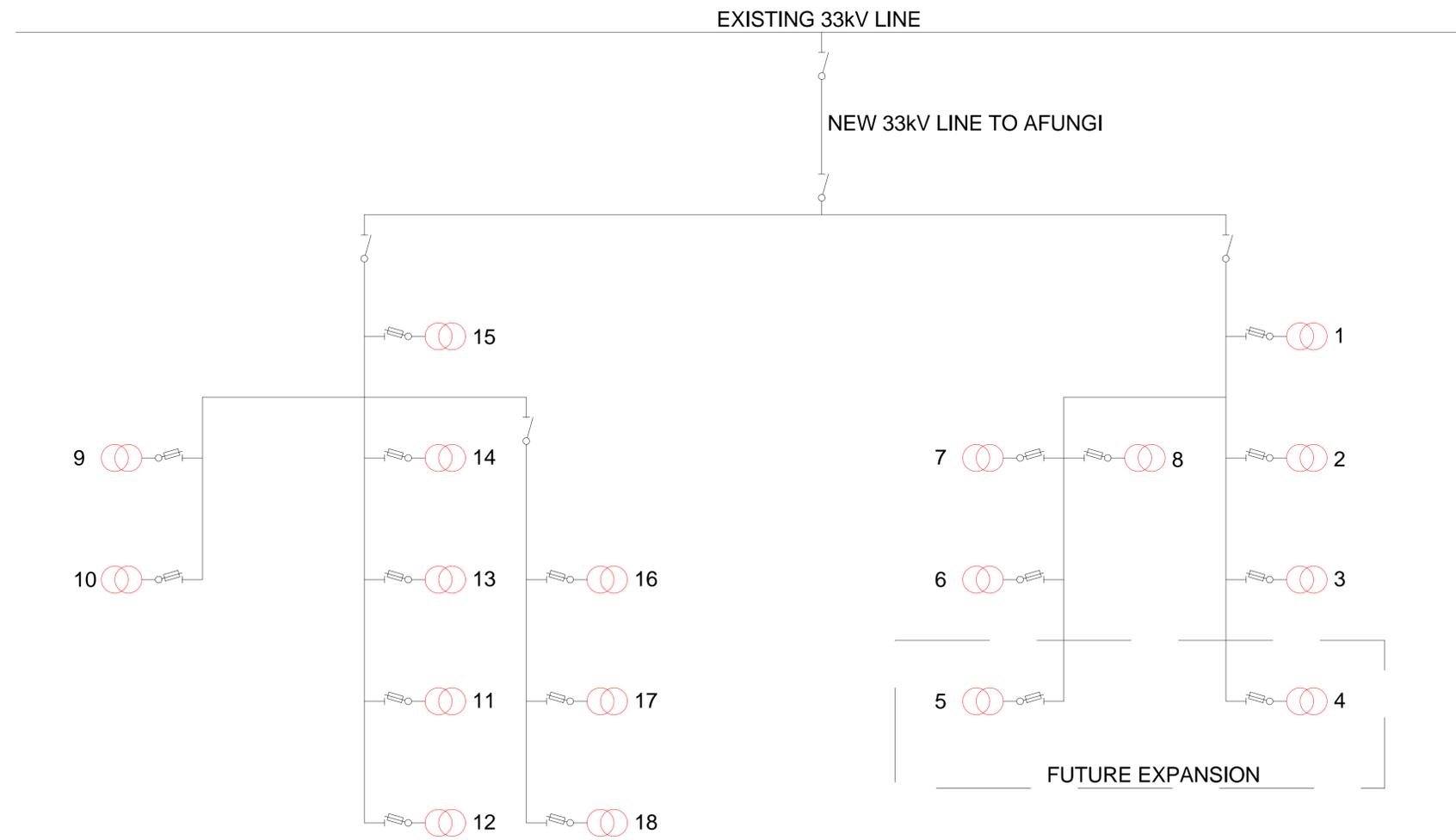
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NAME	SIGNATURE	DATE
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CHECKED: J Pretorius		06/11/15
DESIGNER: T Meyer		06/11/15
PR ENG: W Snyman 20050168		06/11/15
PROJECT ENG MANAGER: L Padayachee		06/11/15
LOCAL PR ENG:		
CLIENT:		

**PROJECT**  
AMA1 RESETTLEMENT VILLAGE

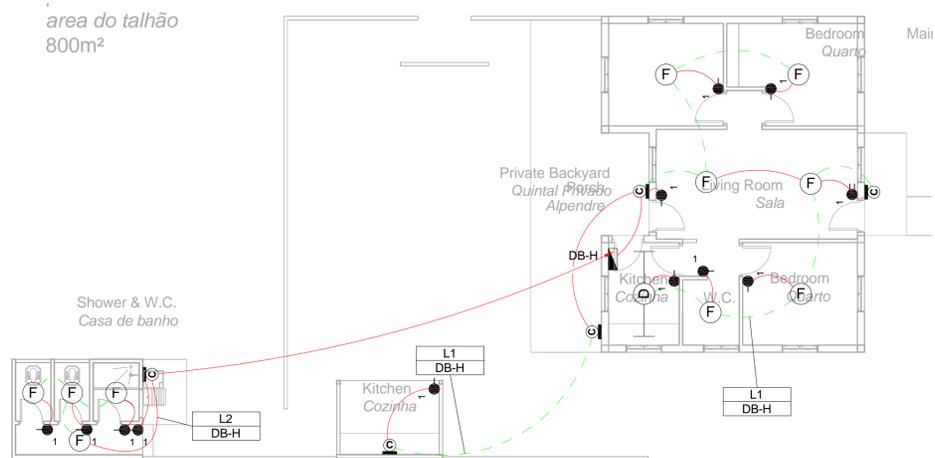
**DRAWING DESCRIPTION**  
Resettlement Village  
Electric Power Line Diagram  
and Power Panel

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0004	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E02-00002-03	

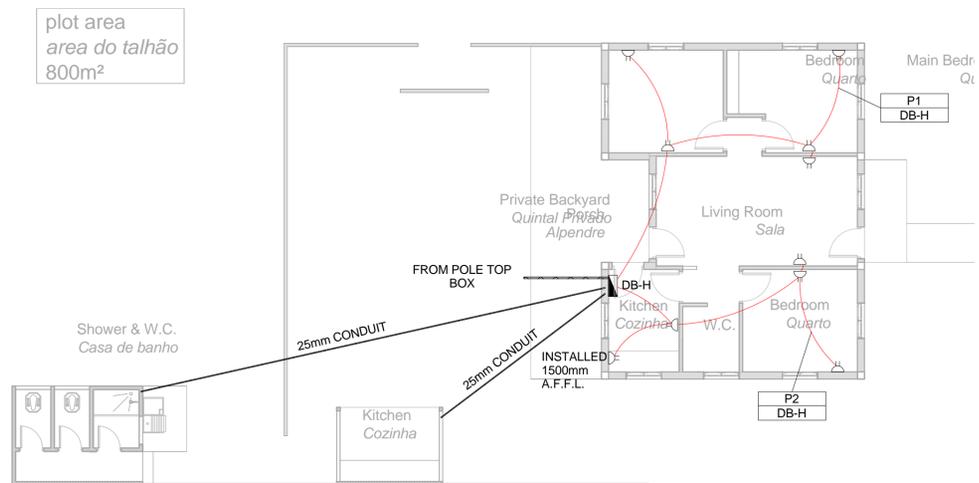


33kV NETWORK DIAGRAM

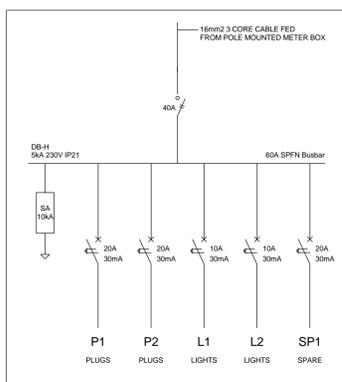
1 33kV Network Diagram  
1 : 500



1 Lighting Layout - Housing  
1 : 100



2 Power Layout - Housing  
1 : 100



3 Schematic - Housing  
1 : 20

**SMALL POWER LEGEND**

- SINGLE SOCKET OUTLET
- DOUBLE SOCKET OUTLET
- ▲ VOIP DATA POINT
- ▲ TV POINT
- Ⓟ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD
- ⊘ DOUBLE POLE ISOLATOR
- ▭ 6U IT CABINET FOR VOIP
- ▭ 50mm SLEEVE
- ▭ 25mm CONDUIT

**LIGHTING LEGEND**

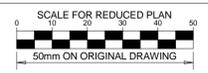
- Ⓛ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
- Ⓛ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
- Ⓛ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- Ⓛ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-136-ELB)
- Ⓛ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- Ⓛ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-236-ELB)
- Ⓛ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- Ⓛ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- Ⓛ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD LOCATION
- ⊘ DOUBLE POLE ISOLATOR
- Ⓛ PC PHOTOCCELL

**CONDUCTOR LEGEND**

1. 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2. 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3. 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

**SCHEMATICS LEGEND**

- SINGLE PHASE SWITCH
- SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- SINGLE PHASE SWITCH DISCONNECTOR
- SINGLE PHASE CIRCUIT BREAKER
- SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- THREE PHASE SWITCH
- THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- THREE PHASE SWITCH DISCONNECTOR
- THREE PHASE CIRCUIT BREAKER
- THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- RCBO PROTECTION



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticulation - LV (Overview)
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-0007-01	
EA-MZ-CI0000-WOR-E02-0007-02	

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C	02/10/15	TM	SB	Issued for Squad Check
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E	06/11/15	TM	SB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15

CLIENT:

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

**PROJECT**

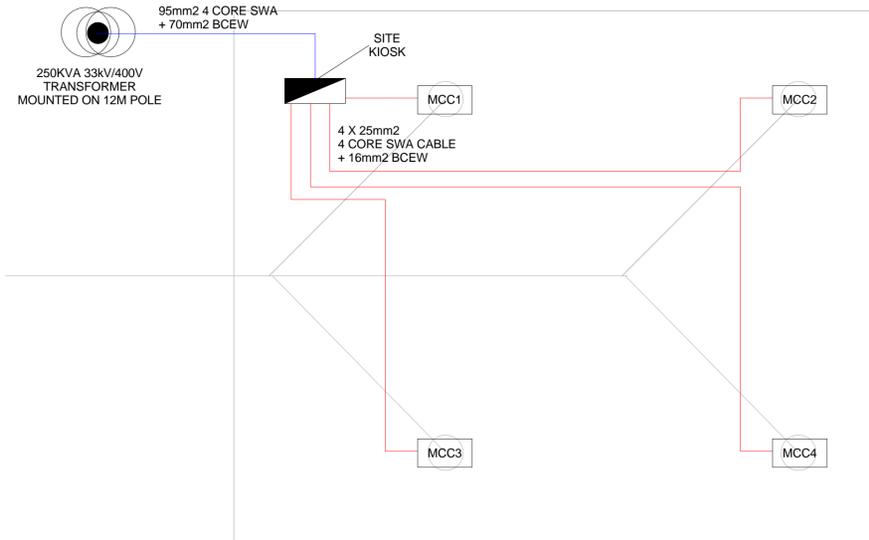
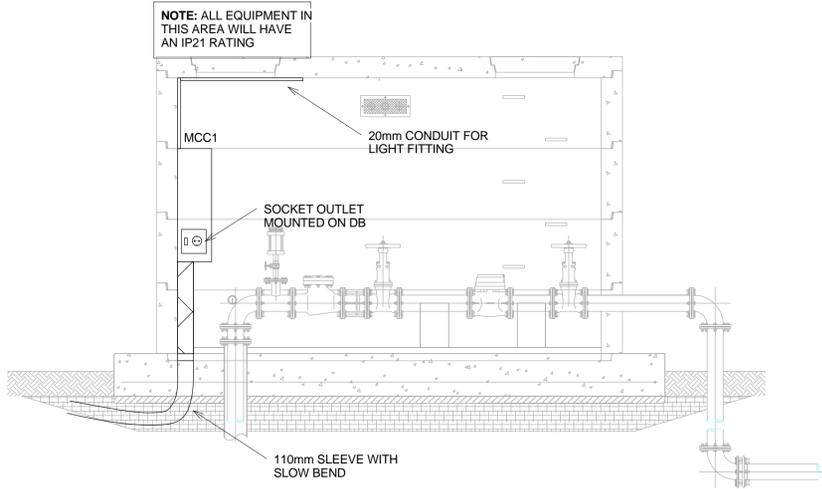
**AMA1 RESETTLEMENT VILLAGE**

**DRAWING DESCRIPTION**

**Resettlement Village Housing Small Power and Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0002	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0000-WOR-E02-00002-01	

NOTE: SEE DRAWING C00290-00-EL-DAL-0009, FOR OVERVIEW



**NOTES**

1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
2. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY AND LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
3. A MINIMUM OF TWO 70mm² BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS
4. ALL CABLES TO BE BURIED AT A MINIMUM DEPTH OF 600mm.

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0005	Site Electrical Reticulation - MV (Overview)
C00290-00-EL-DAL-0041	Well Field Control System
C00290-00-EL-DES-0001-001	Typical Drawings Sheet 1
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2

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**REVISIONS**

NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	28/09/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
C	14/10/15	TM	SB	Issued for Squad Check
D	16/10/15	TM	CB	Issued for Client Review
E	17/11/15	TM	CB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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DESIGNER:	C Brandsen	02/10/15
PR ENG:	W Snyman 20050168	02/10/15
PROJECT ENG MANAGER:	L Padayachee	02/10/15
LOCAL PR ENG:		
CLIENT:		

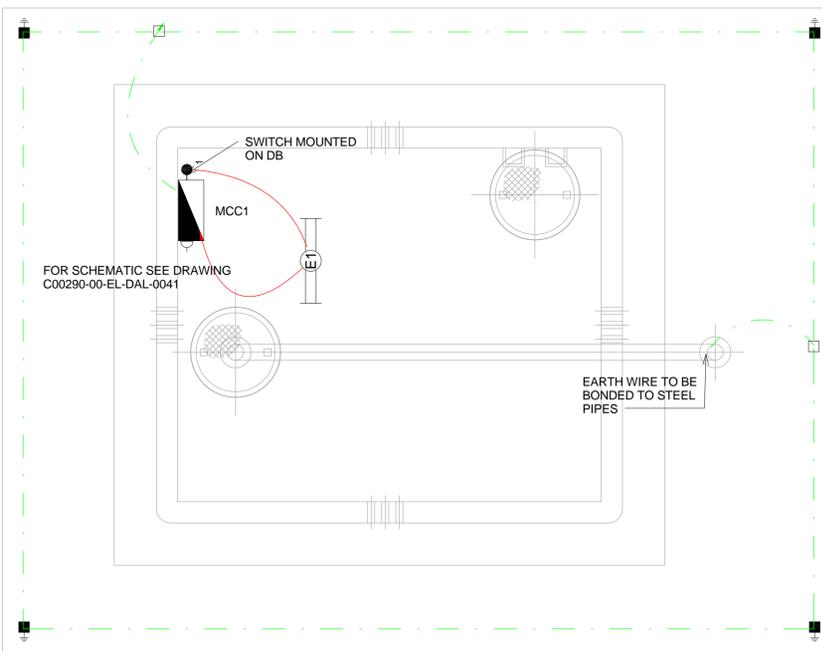
**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

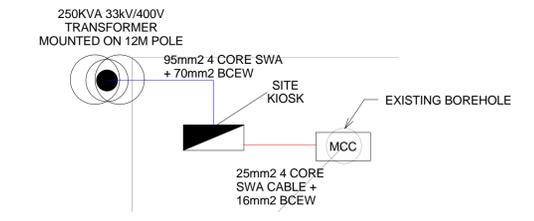
PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Well Field Power Installation**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0040	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E02-00001-01	



**3 Power Layout - New Well Field Site**  
1 : 500



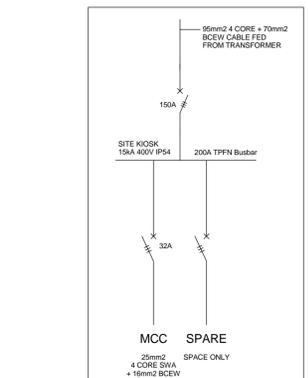
**4 Power Layout - Existing Well Field Site**  
1 : 500

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS

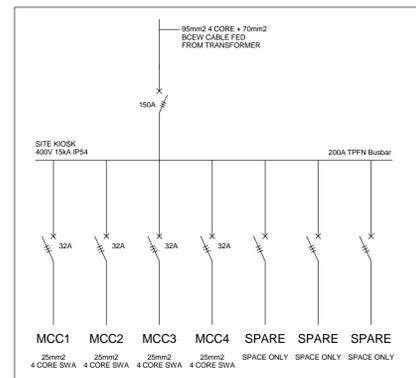
- CONDUCTOR LEGEND**
1. 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING OUTLET CIRCUITS
  2. 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET AND STOVE CIRCUITS
  3. 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
  4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
  5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

- EARTHING LEGEND**
- CADWELDED CONNECTION
  - 3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
  - DOWN CONDUCTOR
  - 70MM² BARE COPPER EARTH WIRE

**1 Lighting & Power Layout - Borehole**  
1 : 25



**2 Schematic - Existing Well Site Kiosk**  
1 : 20



**5 Schematic - New Well Site Kiosk**  
1 : 20

- SCHEMATICS LEGEND**
- SINGLE PHASE SWITCH
  - SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - SINGLE PHASE SWITCH DISCONNECTOR
  - SINGLE PHASE CIRCUIT BREAKER
  - SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
  - THREE PHASE SWITCH
  - THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - THREE PHASE SWITCH DISCONNECTOR
  - THREE PHASE CIRCUIT BREAKER
  - THREE PHASE CIRCUIT BREAKER FOR ISOLATION
  - RCBO PROTECTION

- SMALL POWER LEGEND**
- SINGLE SOCKET OUTLET
  - DOUBLE SOCKET OUTLET
  - ▲ VOIP DATA POINT
  - ▲ TV POINT
  - ⊙ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
  - LIGHT SWITCH
  - 2W 2-WAY LIGHT SWITCH
  - DISTRIBUTION BOARD
  - DOUBLE POLE ISOLATOR
  - 6U IT CABINET FOR VOIP
  - 50mm SLEEVE
  - ▬ 25mm CONDUIT

- LIGHTING LEGEND**
- 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
  - 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
  - 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
  - 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-136-ELB)
  - 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
  - 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
  - EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
  - ONE LEVER LIGHT SWITCH
  - TWO LEVER LIGHT SWITCH
  - THREE LEVER LIGHT SWITCH
  - 2-WAY LIGHT SWITCH
  - DISTRIBUTION BOARD LOCATION
  - DOUBLE POLE ISOLATOR
  - PHOTOCELL



**NOTES**

- POWER CABLES SHALL BE BURIED DIRECTLY AT A MINIMUM OF 600mm BELOW GRADE
- WHERE POWER CABLES ARE BURIED BELOW A ROAD CROSSING OR PATHWAY, 2x 110mm SLEEVES SHALL BE INSTALLED
- WHERE SPECIFIED ON THE DRAWING, CONDUITS/SLEEVES SHALL BE INSTALLED

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticulation - LV (Overview)
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-0007-01	
EA-MZ-CI0000-WOR-E02-0007-02	

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NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	03/08/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	06/11/15	TM	SB	Issued for Client Approval
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CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: A Boodhram	<i>A Boodhram</i>	28/09/15
PR ENG: W Snyman	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

CLIENT



PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Bus Station Small Power and Lighting**

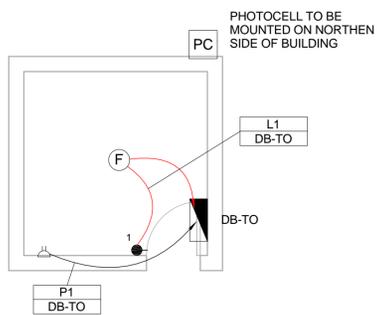
SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0032	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00830-01	

**SMALL POWER LEGEND**

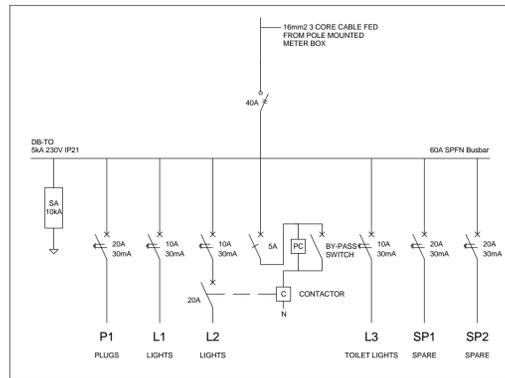
- SINGLE SOCKET OUTLET
- DOUBLE SOCKET OUTLET
- VOIP DATA POINT
- TV POINT
- POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2-WAY LIGHT SWITCH
- DISTRIBUTION BOARD
- DOUBLE POLE ISOLATOR
- 6U IT CABINET FOR VOIP
- 50mm SLEEVE
- 25mm CONDUIT

**LIGHTING LEGEND**

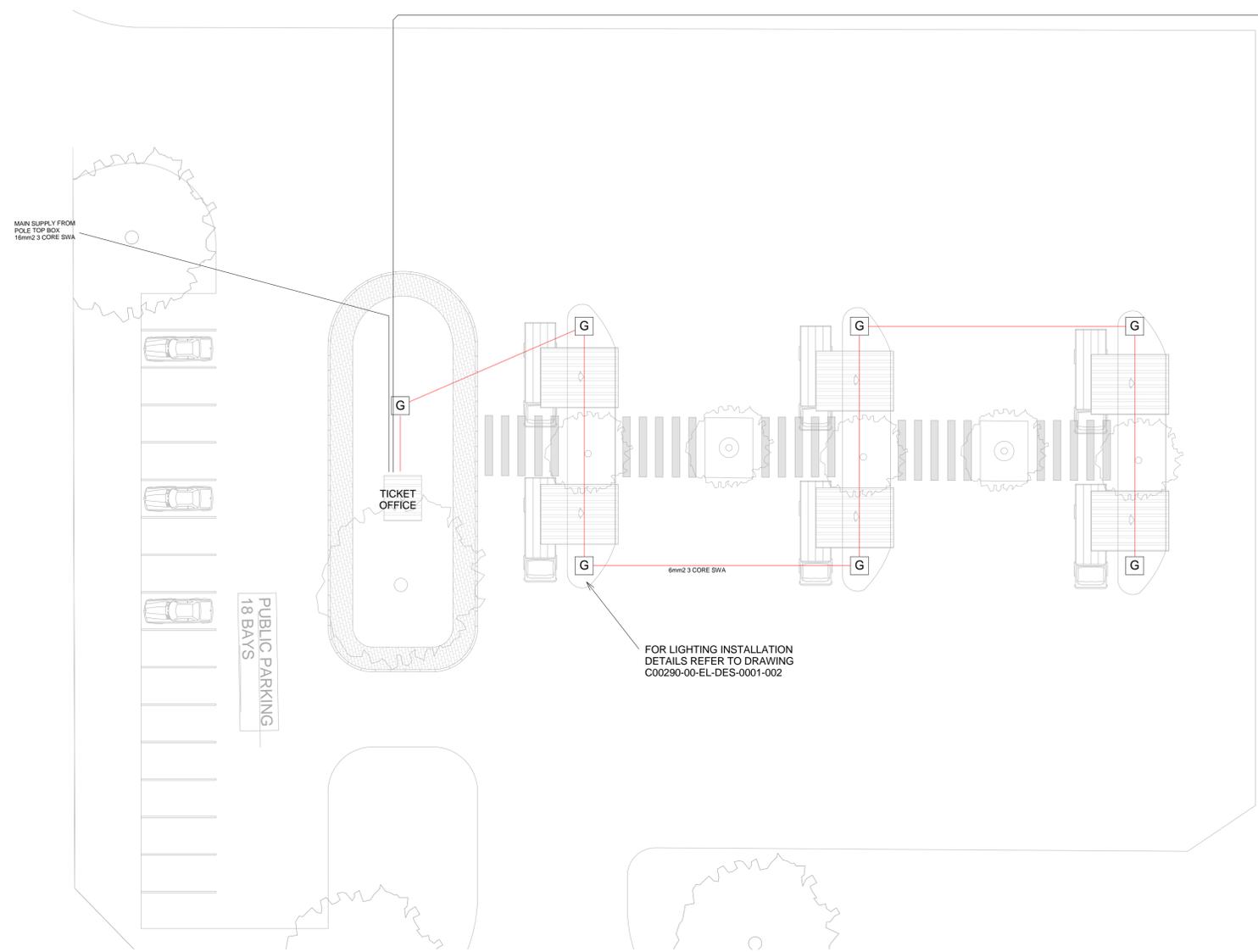
- 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
- 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
- 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/I-T-136-ELB)
- 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/I-T-236-ELB)
- 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2-WAY LIGHT SWITCH
- DISTRIBUTION BOARD LOCATION
- DOUBLE POLE ISOLATOR
- PHOTOCELL



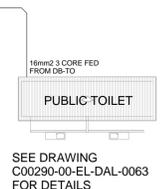
2 Lighting & Power Layout - Ticket Office  
1 : 50



3 Schematic - Ticket Office  
1 : 20



1 Site Lighting & Power Layout - Bus Station  
1 : 200



SEE DRAWING C00290-00-EL-DAL-0063 FOR DETAILS

**SCHEMATICS LEGEND**

- SINGLE PHASE SWITCH
- SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- SINGLE PHASE SWITCH DISCONNECTOR
- SINGLE PHASE CIRCUIT BREAKER
- SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- THREE PHASE SWITCH
- THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- THREE PHASE SWITCH DISCONNECTOR
- THREE PHASE CIRCUIT BREAKER
- THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- RCBO PROTECTION

**CONDUCTOR LEGEND**

- 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
- 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
- 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
- ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
- ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 245/8 FOR OVERVIEW



**NOTES**

- POWER CABLES SHALL BE BURIED DIRECTLY AT A MINIMUM OF 600mm BELOW GRADE
- WHERE POWER CABLES ARE BURIED BELOW A ROAD CROSSING OR PATHWAY, 2x 110mm SLEEVES SHALL BE INSTALLED
- WHERE SPECIFIED ON THE DRAWING, CONDUITS/SLEEVES SHALL BE INSTALLED

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticulation - LV (Overview)
C00290-00-EL-DAL-0035	Market Small Power and Lighting
EA-MZ-CI0100-WOR-E02-00730-01	Public Toilets Lighting Layout
C00290-00-EL-DAL-0063	Typical Drawings Sheet 2

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B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	06/11/15	TM	SB	Issued for Client Approval
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NAME	SIGNATURE	DATE
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DESIGNER: C Brandsen		28/09/15
PR ENG: W Snyman		02/10/15
PROJECT ENG MANAGER: L Padayachee		02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

**PROJECT**  
**AMA1 RESETTLEMENT VILLAGE**

**DRAWING DESCRIPTION**  
**Resettlement Village Market Site Power and Lighting**

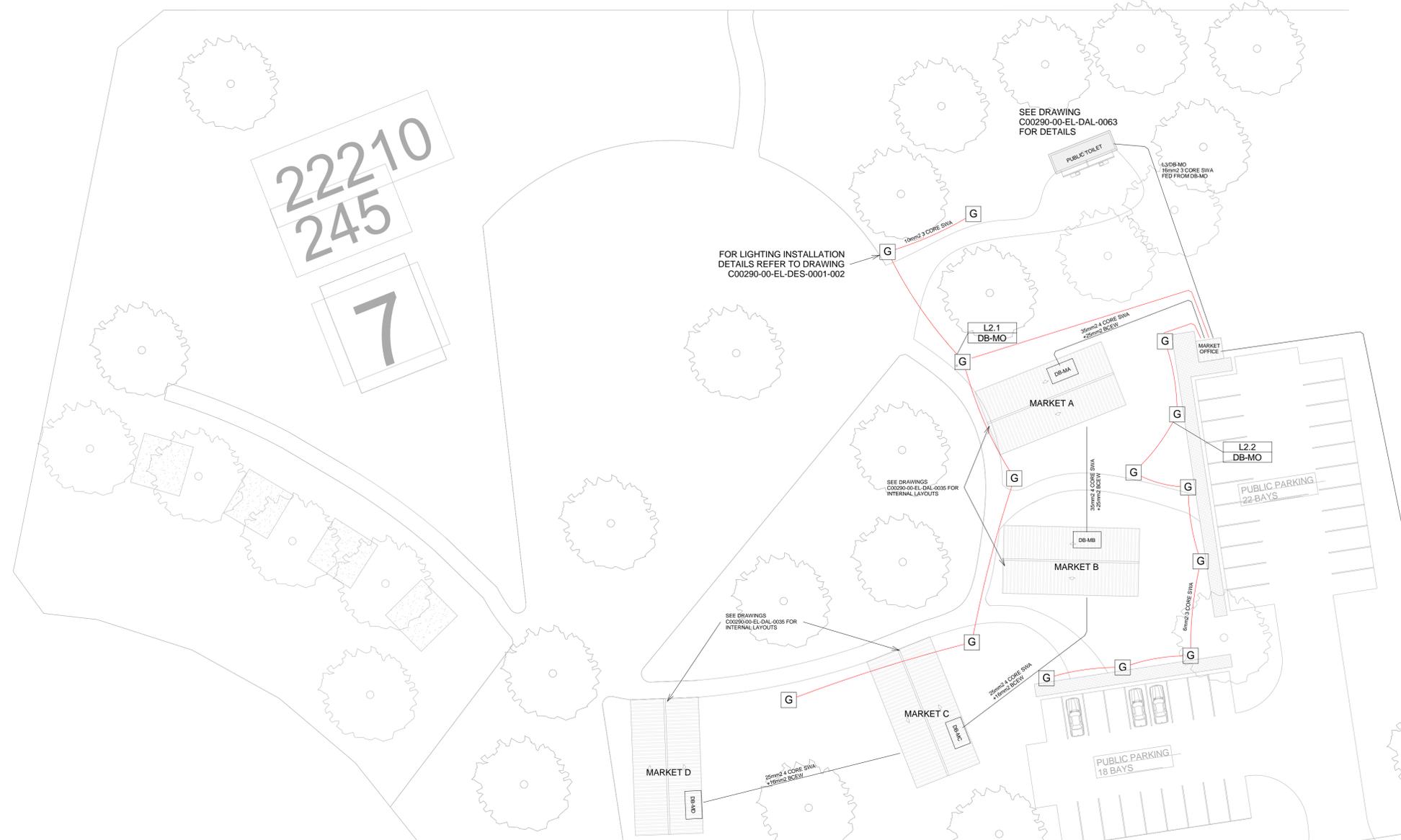
SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0062	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0100-WOR-E02-00732-01	

- SCHEMATICS LEGEND**
- SINGLE PHASE SWITCH
  - SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - SINGLE PHASE SWITCH DISCONNECTOR
  - SINGLE PHASE CIRCUIT BREAKER
  - SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
  - THREE PHASE SWITCH
  - THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - THREE PHASE SWITCH DISCONNECTOR
  - THREE PHASE CIRCUIT BREAKER
  - THREE PHASE CIRCUIT BREAKER FOR ISOLATION
  - RCBO PROTECTION

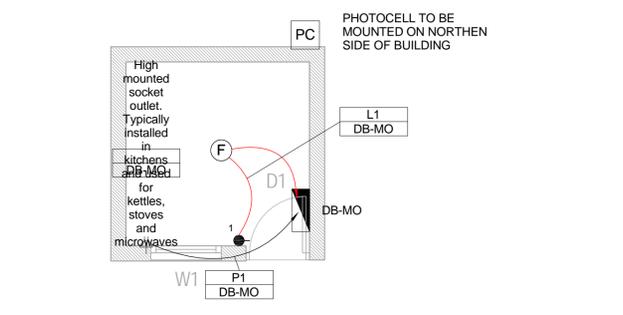
- CONDUCTOR LEGEND**
- 2.5mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
  - 4mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
  - 6mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
  - ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
  - ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

- SMALL POWER LEGEND**
- SINGLE SOCKET OUTLET
  - DOUBLE SOCKET OUTLET
  - VOIP DATA POINT
  - TV POINT
  - POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
  - LIGHT SWITCH
  - 2-WAY LIGHT SWITCH
  - DISTRIBUTION BOARD
  - DOUBLE POLE ISOLATOR
  - 6U IT CABINET FOR VOIP
  - 50mm SLEEVE
  - 25mm CONDUIT

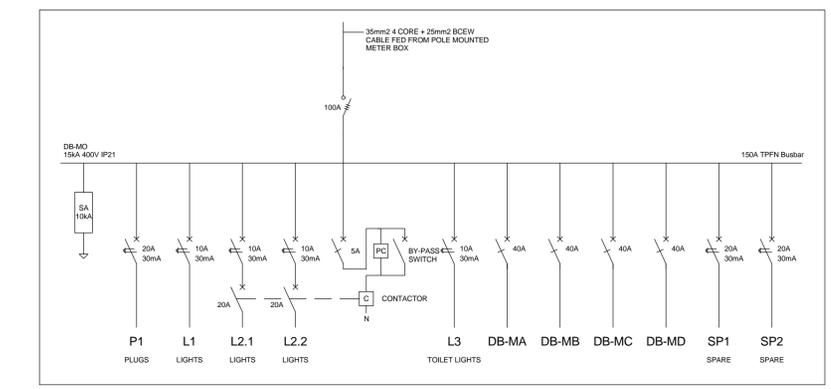
- LIGHTING LEGEND**
- 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
  - 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM<sup>2</sup> CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
  - 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
  - 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-136-ELB)
  - 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-236-ELB)
  - 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINARIES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
  - EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
  - ONE LEVER LIGHT SWITCH
  - TWO LEVER LIGHT SWITCH
  - THREE LEVER LIGHT SWITCH
  - 2-WAY LIGHT SWITCH
  - DISTRIBUTION BOARD LOCATION
  - DOUBLE POLE ISOLATOR
  - PHOTOCELL



**1 Site Lighting & Power Layout - Market Site**  
Layout  
1:300



**2 Lighting & Power Layout - Market Office**  
1:50



**3 Schematic - Market Office**  
1:20



**NOTES**

1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
2. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
3. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
4. A MINIMUM OF TWO 70mm<sup>2</sup> BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DES-0001-001 EA-MZ-CI0000-WOR-E02-00027-01	Typical Drawings Sheet 1

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0	04/12/15	TM	SB	Issued for Construction

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CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman 20050166	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		



PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

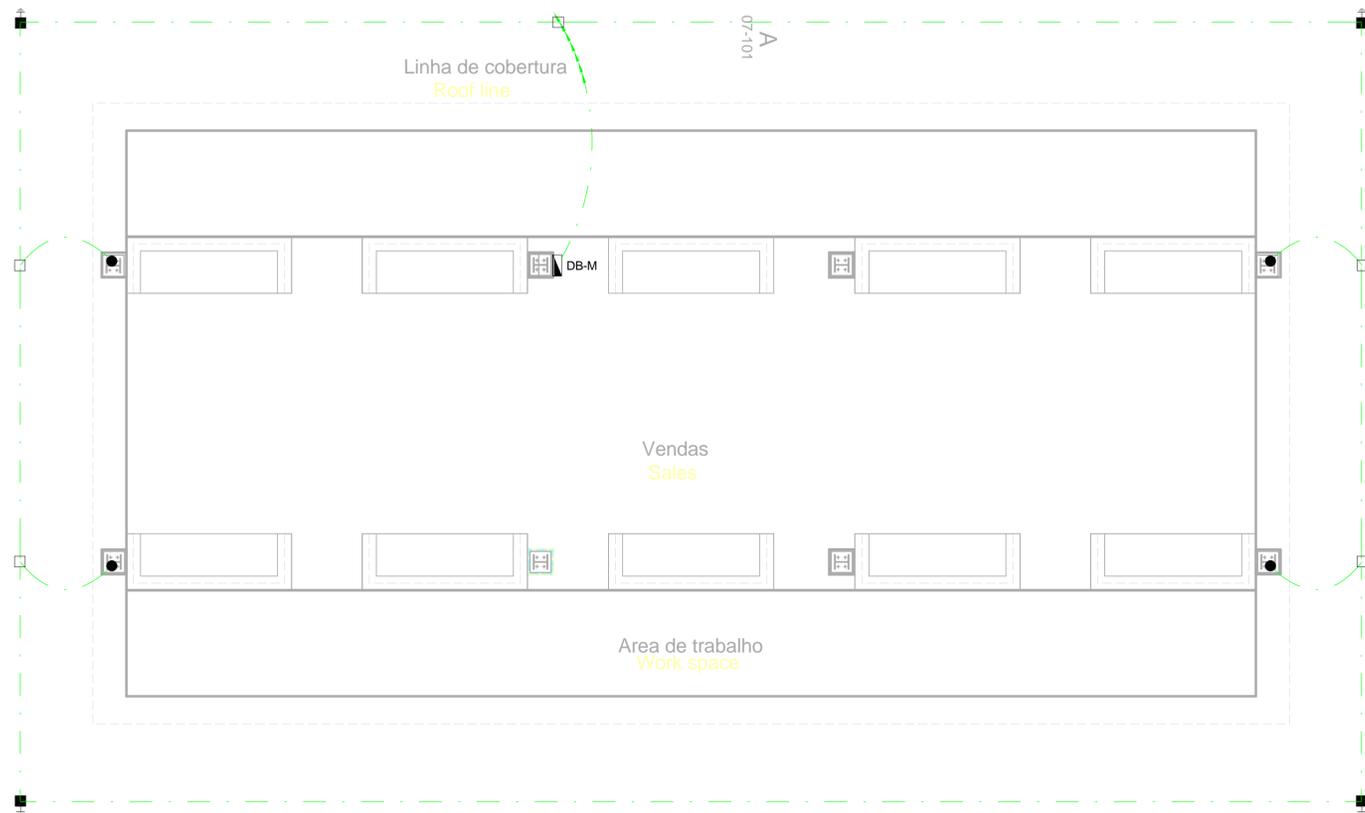
DRAWING DESCRIPTION  
**Resettlement Village Market Earthing and Lightning Protection**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0055	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0100-WOR-E02-00731-01	

**EARTHING LEGEND**

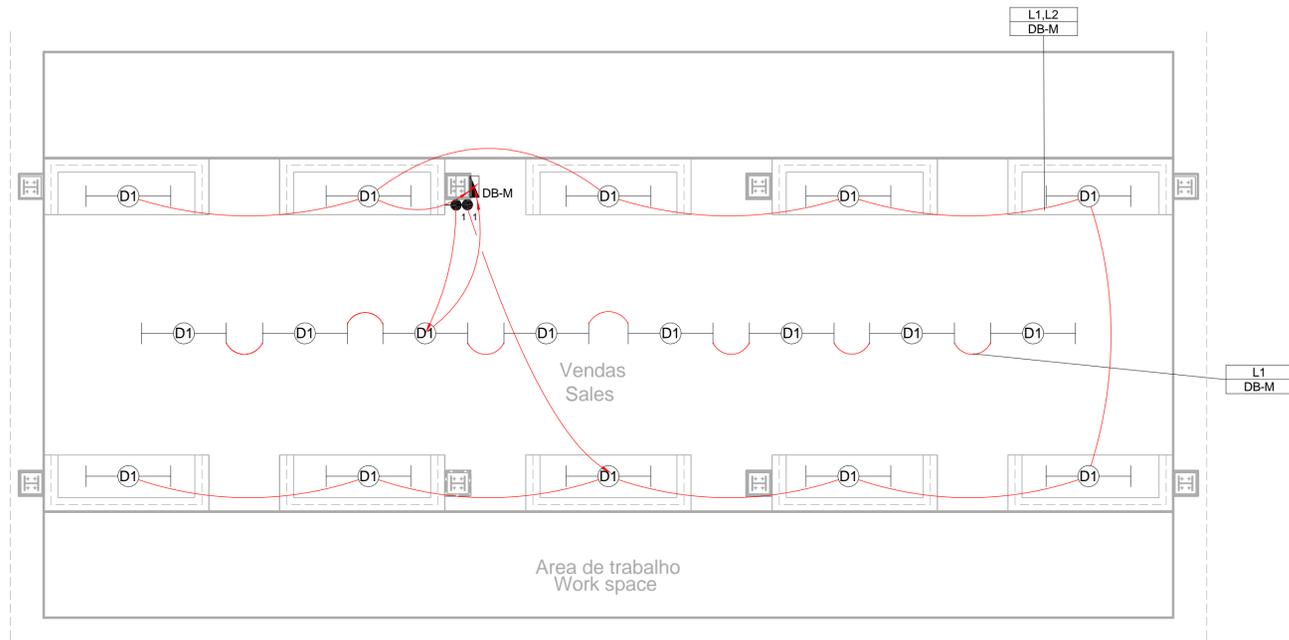
	CADWELDED CONNECTION
	3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
	DOWN CONDUCTOR
	70MM <sup>2</sup> BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS



**1** Earthing Layout - Market  
1 : 50

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 245/7 FOR OVERVIEW



1 Lighting Layout - Market  
1 : 50

SMALL POWER LEGEND	LIGHTING LEGEND
○ SINGLE SOCKET OUTLET	⊙ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS *POLE* AND LS122 "LIGHT" FROM RADIANT)
⊙ DOUBLE SOCKET OUTLET	⊙ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
▲ VOIP DATA POINT	⊙ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
▲ TV TV POINT	⊙ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-136-ELB)
⊙ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.	⊙ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
● LIGHT SWITCH	⊙ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
● 2W 2-WAY LIGHT SWITCH	⊙ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
▭ DISTRIBUTION BOARD	⊙ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
▭ DOUBLE POLE ISOLATOR	⊙ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
▭ 6U IT CABINET FOR VOIP	● ONE LEVER LIGHT SWITCH
▭ 50mm SLEEVE	● TWO LEVER LIGHT SWITCH
▭ 25mm CONDUIT	● THREE LEVER LIGHT SWITCH
	● 2W 2-WAY LIGHT SWITCH
	▭ DISTRIBUTION BOARD LOCATION
	▭ DOUBLE POLE ISOLATOR
	⊙ PHOTOCELL



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0062	Market Site Power and Lighting
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-00027-02	

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PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

**PROJECT**  
**AMA1 RESETTLEMENT VILLAGE**

**DRAWING DESCRIPTION**

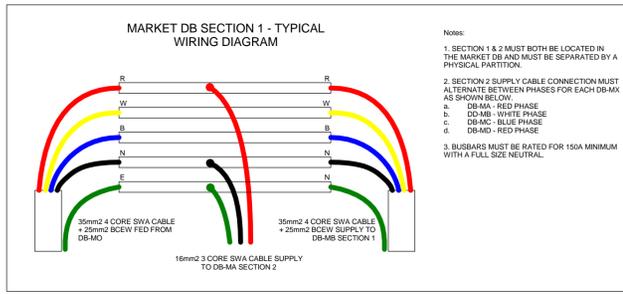
Resettlement Village Market  
Small Power and Lighting

SCALE: As indicated ORIGINAL DWG SIZE A1 DATE: DECEMBER 2015

DRAWING NUMBER: C00290-00-EL-DAL-0035 REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E02-00730-01

**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 245/7 FOR OVERVIEW



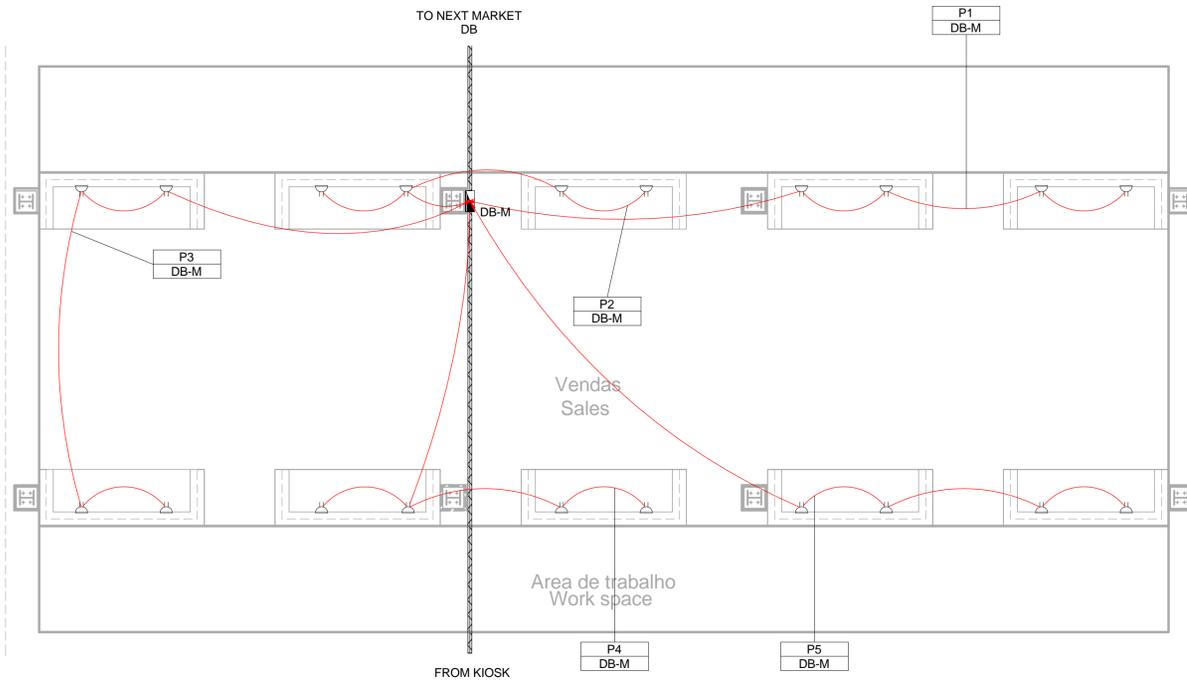
4 Schematic - Market DB Section 1 Typical Detail  
1 : 20

**SCHEMATICS LEGEND**

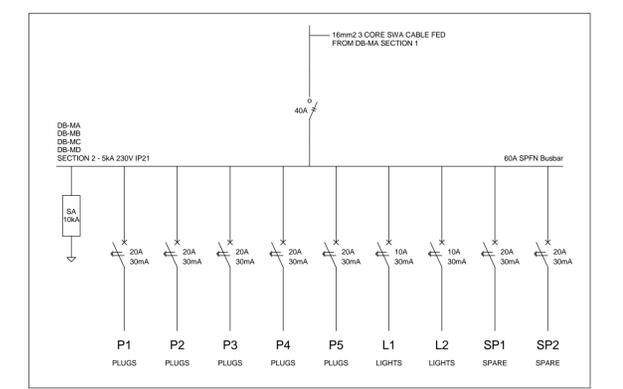
- SINGLE PHASE SWITCH
- SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- SINGLE PHASE SWITCH DISCONNECTOR
- SINGLE PHASE CIRCUIT BREAKER
- SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- THREE PHASE SWITCH
- THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- THREE PHASE SWITCH DISCONNECTOR
- THREE PHASE CIRCUIT BREAKER
- THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- RCBO PROTECTION

**CONDUCTOR LEGEND**

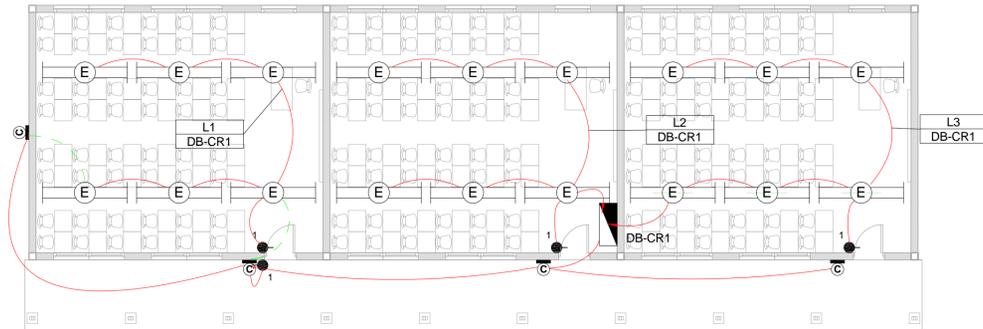
- 2.5mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
- 4mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
- 6mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
- ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
- ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS



2 Power Layout - Market  
1 : 50



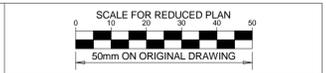
3 Schematic - Market DB Section 2  
1 : 20



1 Lighting Layout - School Classroom Large  
1 : 100

SMALL POWER LEGEND		LIGHTING LEGEND	
	SINGLE SOCKET OUTLET		2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRE WILL BE SUITABLE FOR WALL &/OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS 'POLE' AND LS122 'LIGHT' FROM RADIANT)
	DOUBLE SOCKET OUTLET		2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
	VOIP DATA POINT		1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
	TV POINT		1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-136-ELB)
	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.		1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
	LIGHT SWITCH		2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-236-ELB)
	2-WAY LIGHT SWITCH		2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
	DISTRIBUTION BOARD		1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
	DOUBLE POLE ISOLATOR		EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
	6U IT CABINET FOR VOIP		ONE LEVER LIGHT SWITCH
	50mm SLEEVE		TWO LEVER LIGHT SWITCH
	25mm CONDUIT		THREE LEVER LIGHT SWITCH
			2-WAY LIGHT SWITCH
			DISTRIBUTION BOARD LOCATION
			DOUBLE POLE ISOLATOR
			PHOTOCELL

CONDUCTOR LEGEND	
1.	2.5mm <sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2.	4mm <sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3.	6mm <sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4.	ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5.	ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS



NOTES	
DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0038	School Small Power
C00290-00-EL-DES-0001-002	
EA-MZ-CI0000-WOR-E02-00027-02	Typical Drawings Sheet 2

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DESIGNER: C Brandsen		28/09/15
PR ENG: W Snyman		02/10/15
PROJECT ENG MANAGER: L Padayachee		02/10/15
LOCAL PR ENG:		
CLIENT:		

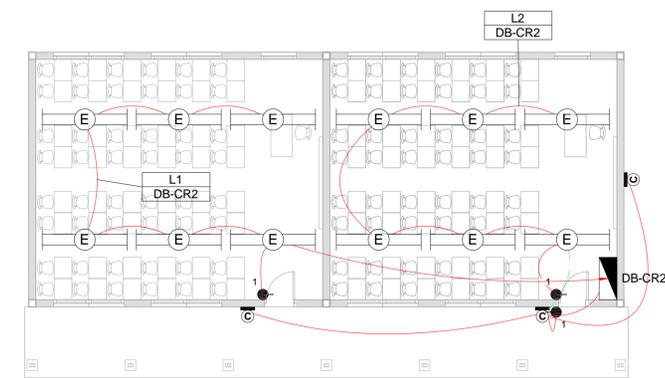
**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

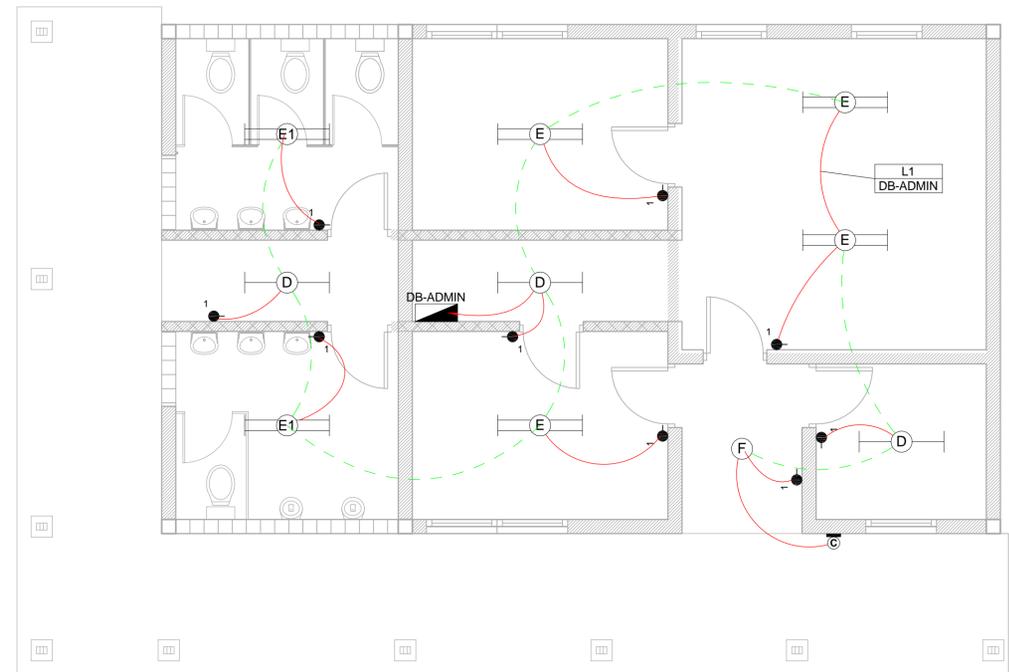
PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village School Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0039	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00640-01	

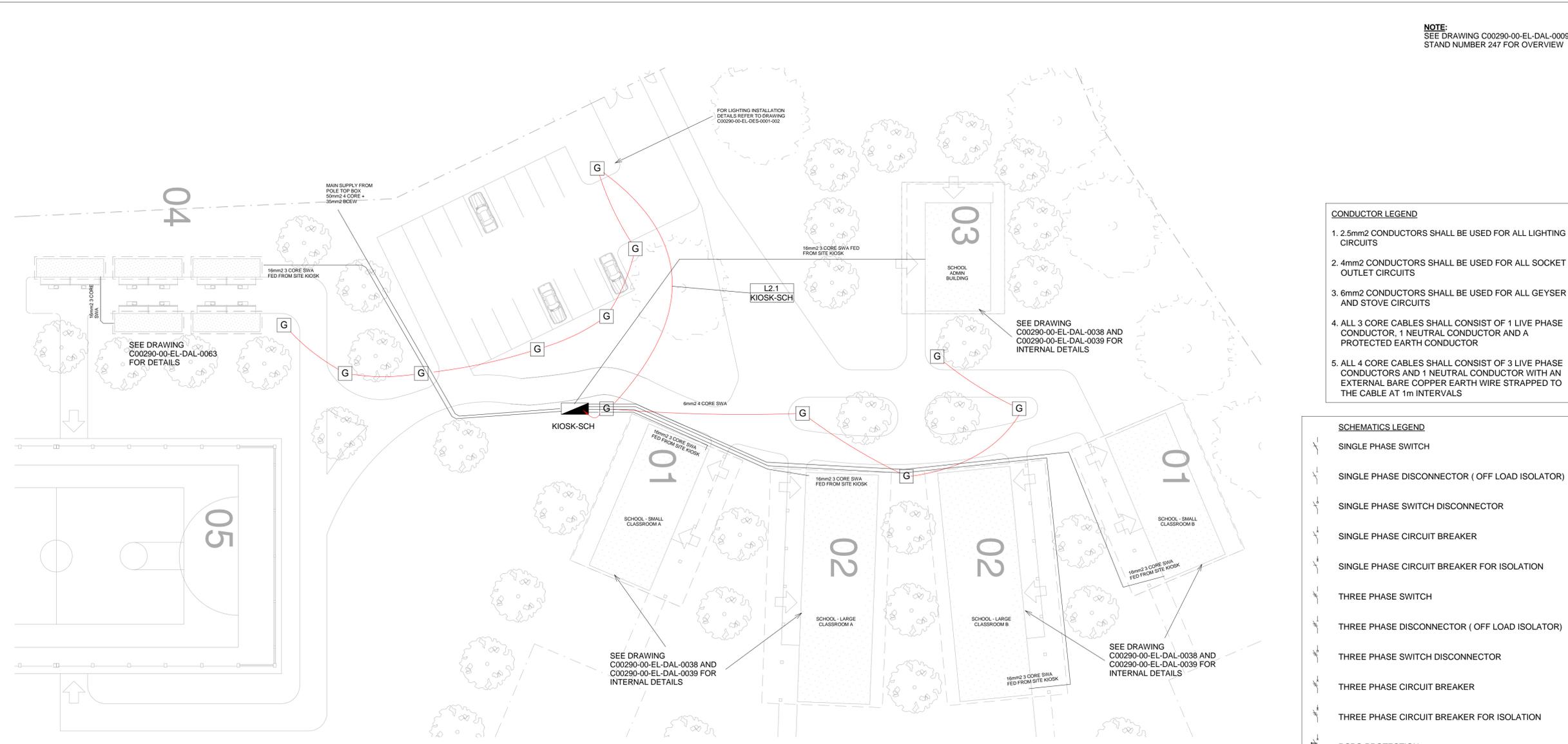


2 Lighting Layout - School Classroom Small  
1 : 100

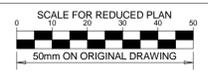


3 Lighting Layout - School Admin  
1 : 50

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 247 FOR OVERVIEW



**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 247 FOR OVERVIEW



**NOTES**

1. POWER CABLES SHALL BE BURIED DIRECTLY AT A MINIMUM OF 600mm BELOW GRADE
2. WHERE POWER CABLES ARE BURIED BELOW A ROAD CROSSING OR PATHWAY, 2x 110mm SLEEVES SHALL BE INSTALLED
3. WHERE SPECIFIED ON THE DRAWING, CONDUITS/SLEEVES SHALL BE INSTALLED

- CONDUCTOR LEGEND**
1. 2.5mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
  2. 4mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
  3. 6mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
  4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
  5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

- SCHEMATICS LEGEND**
- SINGLE PHASE SWITCH
  - SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - SINGLE PHASE SWITCH DISCONNECTOR
  - SINGLE PHASE CIRCUIT BREAKER
  - SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
  - THREE PHASE SWITCH
  - THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - THREE PHASE SWITCH DISCONNECTOR
  - THREE PHASE CIRCUIT BREAKER
  - THREE PHASE CIRCUIT BREAKER FOR ISOLATION
  - RCBO PROTECTION

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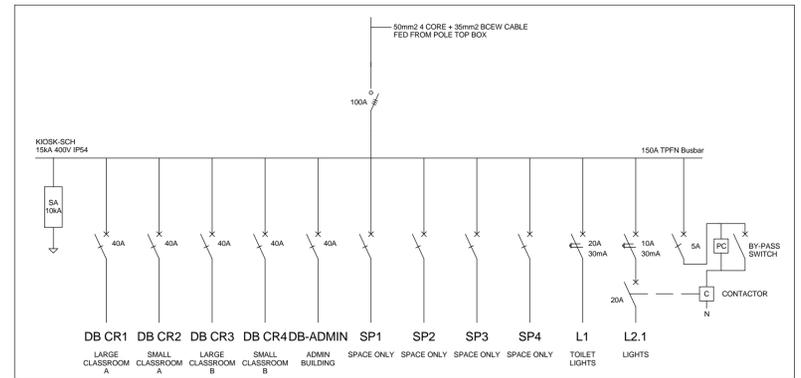
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PR ENG:	W Snyman 20050168	02/10/15
PROJECT ENG MANAGER:	L Padayachee	02/10/15
LOCAL PR ENG:		
CLIENT:		

**1** Site Lighting & Power Layout - School  
1 : 250



**2** Schematic - School Site Kiosk  
1 : 20

- SMALL POWER LEGEND**
- SINGLE SOCKET OUTLET
  - DOUBLE SOCKET OUTLET
  - ▲ VOIP DATA POINT
  - ▲ TV POINT
  - POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
  - LIGHT SWITCH
  - 2W 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD
  - DOUBLE POLE ISOLATOR
  - ▭ 6U IT CABINET FOR VOIP
  - ▭ 50mm SLEEVE
  - ▭ 25mm CONDUIT

- LIGHTING LEGEND**
- ⊙ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
  - ⊙ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
  - ⊙ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE W76E)
  - ⊙ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-136-ELB)
  - ⊙ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - ⊙ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-236-ELB)
  - ⊙ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - ⊙ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
  - ONE LEVER LIGHT SWITCH
  - TWO LEVER LIGHT SWITCH
  - THREE LEVER LIGHT SWITCH
  - 2W 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD LOCATION
  - DOUBLE POLE ISOLATOR
  - ⊙ PHOTOCELL

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village School Site Power and Lighting**

SCALE	As indicated ORIGINAL DWG SIZE A1	DATE	DECEMBER 2015
DRAWING NUMBER	C00290-00-EL-DAL-0061	REV NO	0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00633-01			



**NOTES**

1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
2. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
3. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
4. A MINIMUM OF TWO 70mm<sup>2</sup> BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DES-0001-001 EA-MZ-CI0000-WOR-E02-00027-01	Typical Drawings Sheet 1

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DRAWN BY: S Bedasie	<i>S Bedasie</i>	29/09/15
CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman 20050166	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

CLIENT

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

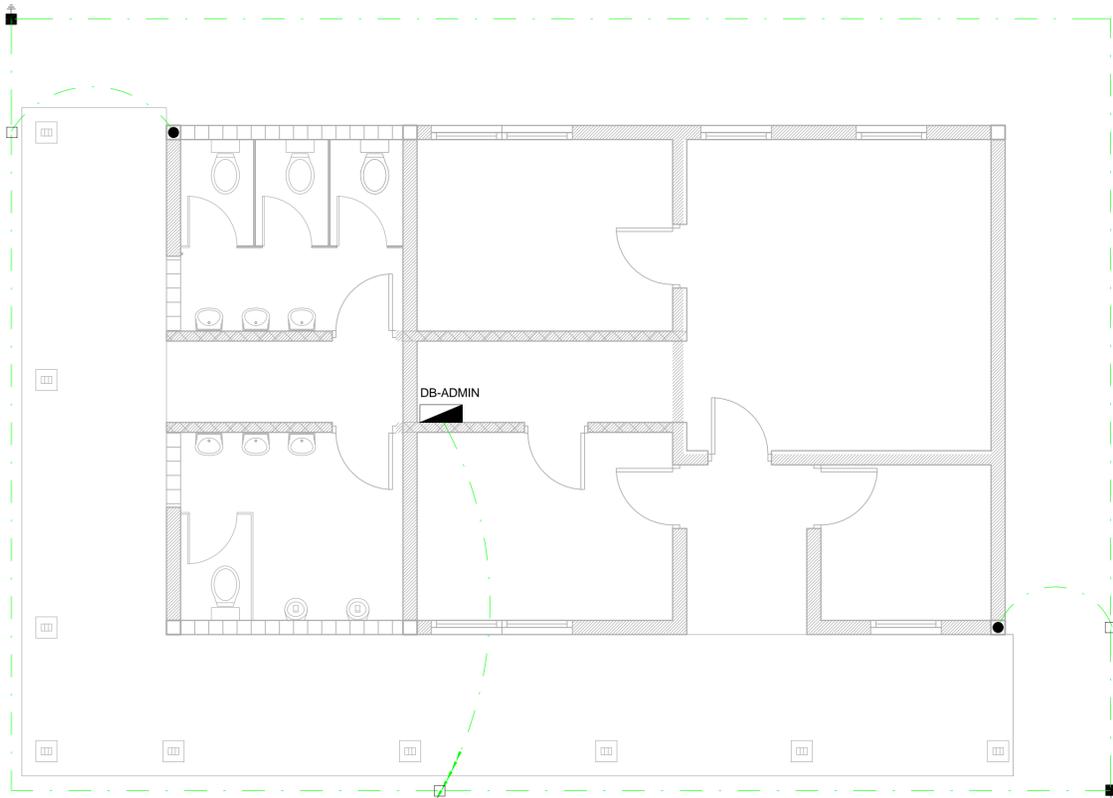
DRAWING DESCRIPTION  
**Resettlement Village School Admin Earthing and Lightning Protection**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0059	0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00632-01	

**EARTHING LEGEND**

- CADWELDED CONNECTION
- 3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
- DOWN CONDUCTOR
- 70MM<sup>2</sup> BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS



**1** Earthing Layout - School Admin  
1 : 50

**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 247 FOR OVERVIEW



**NOTES**

1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
2. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
3. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
4. A MINIMUM OF TWO 70MM<sup>2</sup> BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

**EARTHING LEGEND**

- CADWELDED CONNECTION
- 3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
- DOWN CONDUCTOR
- 70MM<sup>2</sup> BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DES-0001-001	Typical Drawings Sheet 1
EA-MZ-CI0000-WOR-E02-00027-01	

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**REVISIONS**

NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	28/09/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	06/11/15	TM	SB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman 20050168	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

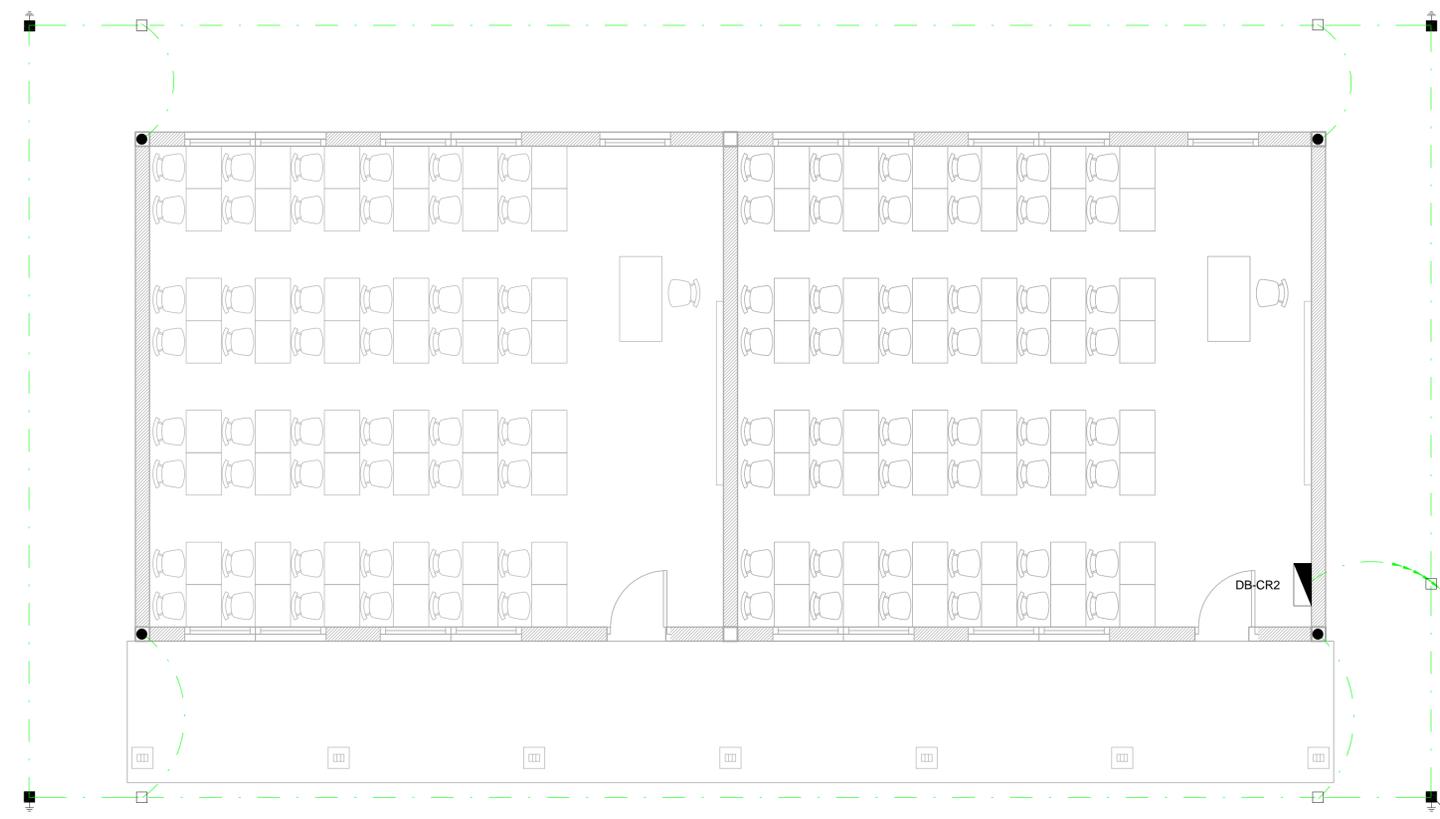
**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mogambique Area 1, Lda

**PROJECT**  
**AMA1 RESETTLEMENT VILLAGE**

**DRAWING DESCRIPTION**  
**Resettlement Village School Earthing and Lightning Protection**

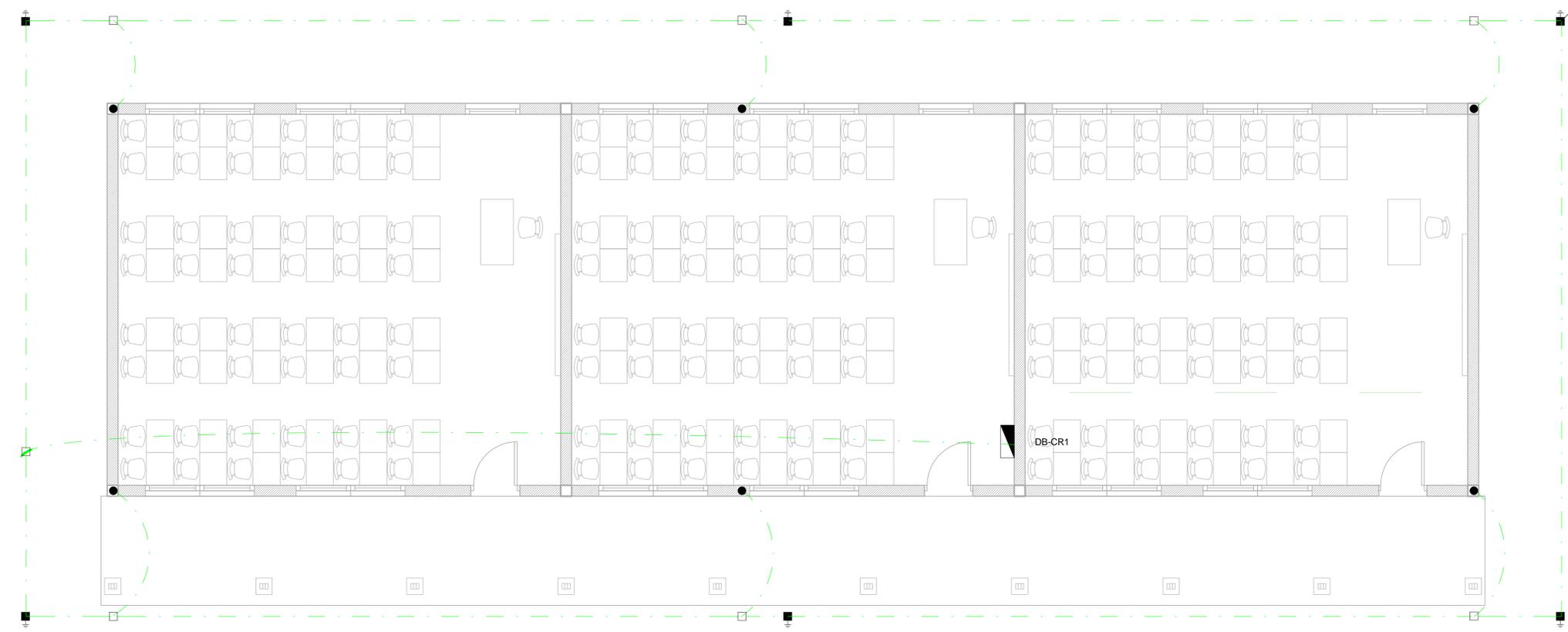
SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0058	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0100-WOR-E02-00631-01	



**2** Earthing Layout - School Classroom Small  
1 : 50

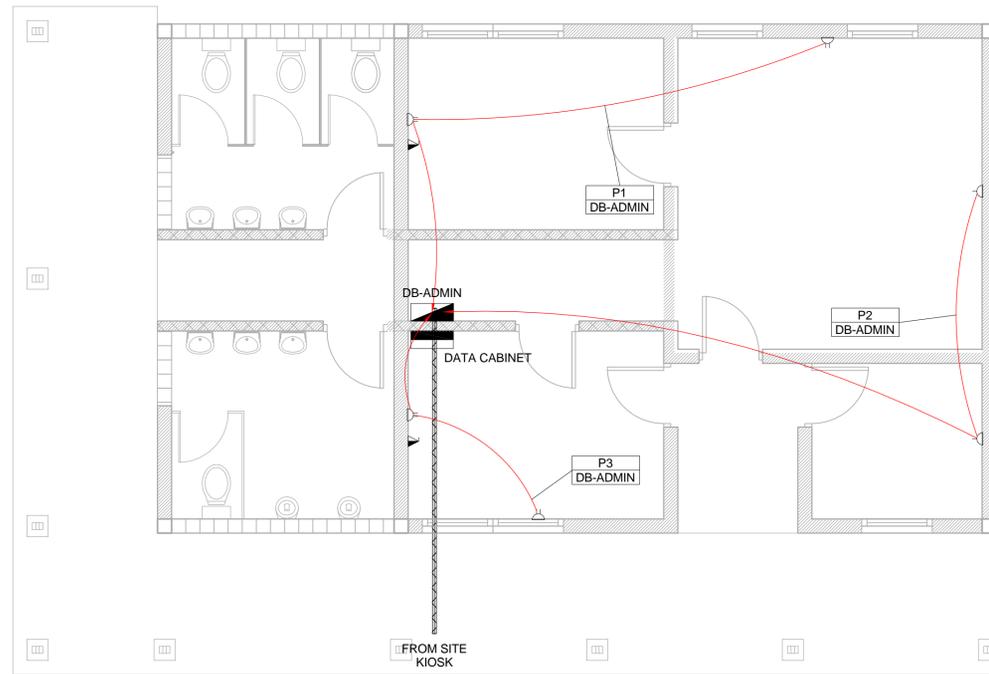
MUST BE BONDED TO ADJACENT BUILDING'S EARTHING

MUST BE BONDED TO ADJACENT BUILDING'S EARTHING



**1** Earthing Layout - School Classroom Large  
1 : 50

NOTE: SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 247 FOR OVERVIEW

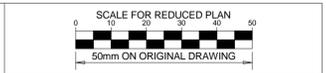


1 Power Layout - School Admin  
1 : 50

- SMALL POWER LEGEND**
- △ SINGLE SOCKET OUTLET
  - △ DOUBLE SOCKET OUTLET
  - ▲ VOIP DATA POINT
  - ▲ TV POINT
  - ⊕ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET
  - LIGHT SWITCH
  - 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD
  - ▭ DOUBLE POLE ISOLATOR
  - ▭ 6U IT CABINET FOR VOIP
  - ▭ 50mm SLEEVE
  - ▭ 25mm CONDUIT
- LIGHTING LEGEND**
- ⊙ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS \*POLE AND LS122 \*LIGHT FROM RADIANT)
  - ⊙ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MMP CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
  - ⊙ 1 X 26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
  - ⊙ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/IT-136-ELB)
  - ⊙ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH LASCON TYPE R/IT-236-ELB)
  - ⊙ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/IT-236-ELB)
  - ⊙ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH LASCON TYPE R/IT-236-ELB)
  - ⊙ 1 X 18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
  - ⊙ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
  - ONE LEVER LIGHT SWITCH
  - TWO LEVER LIGHT SWITCH
  - THREE LEVER LIGHT SWITCH
  - 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD LOCATION
  - ▭ DOUBLE POLE ISOLATOR
  - ⊙ PHOTOCELL

- CONDUCTOR LEGEND**
1. 2.5mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
  2. 4mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
  3. 6mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
  4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
  5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

- SCHEMATICS LEGEND**
- SINGLE PHASE SWITCH
  - SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - SINGLE PHASE SWITCH DISCONNECTOR
  - SINGLE PHASE CIRCUIT BREAKER
  - SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
  - THREE PHASE SWITCH
  - THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - THREE PHASE SWITCH DISCONNECTOR
  - THREE PHASE CIRCUIT BREAKER
  - THREE PHASE CIRCUIT BREAKER FOR ISOLATION
  - RCBO PROTECTION



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0061	School Site Power and Lighting
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-00027-02	

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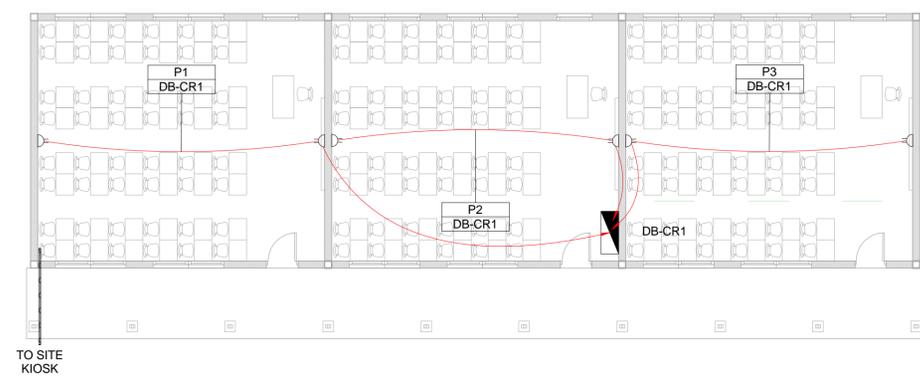
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B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	26/11/15	TM	CB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

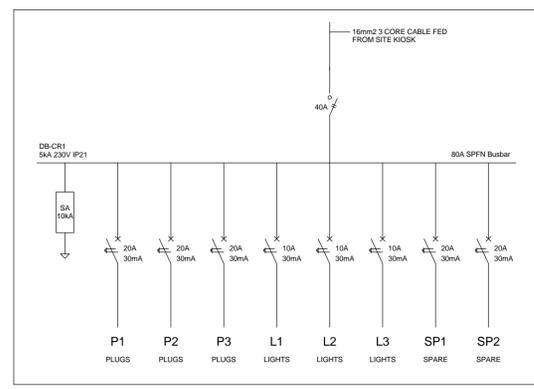


3 Power Layout - School Classroom Small  
1 : 100

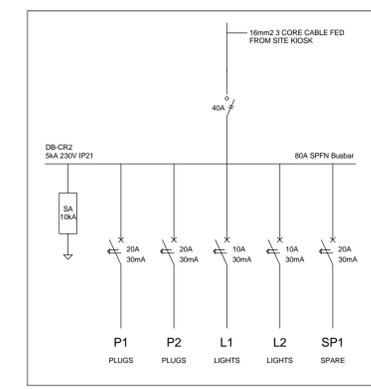


2 Power Layout - School Classroom Large  
1 : 100

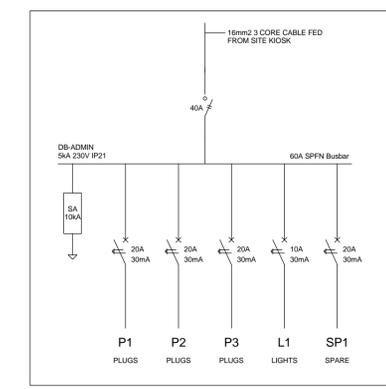
**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 247 FOR OVERVIEW



4 Schematic - School Classroom Large  
1 : 20



5 Schematic - School Classroom Small  
1 : 20



6 Schematic - School Admin  
1 : 20

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PR ENG: W Snyman	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village School Small Power**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0038	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0100-WOR-E02-00630-01	



**NOTES**

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0033	Bus Community Centre Small Power
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-00027-02	

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0	04/12/15	TM	SB	Issued for Construction

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NAME	SIGNATURE	DATE
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DESIGNER: A Boodhram	<i>A Boodhram</i>	28/09/15
PR ENG: W Snyman	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

CLIENT



PROJECT  
**AMA1 RESETTLEMENT VILLAGE**  
DRAWING DESCRIPTION  
**Resettlement Village Bus Community Centre Lighting**

SCALE 1 : 100 ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0034	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00535-01	

**SMALL POWER LEGEND**

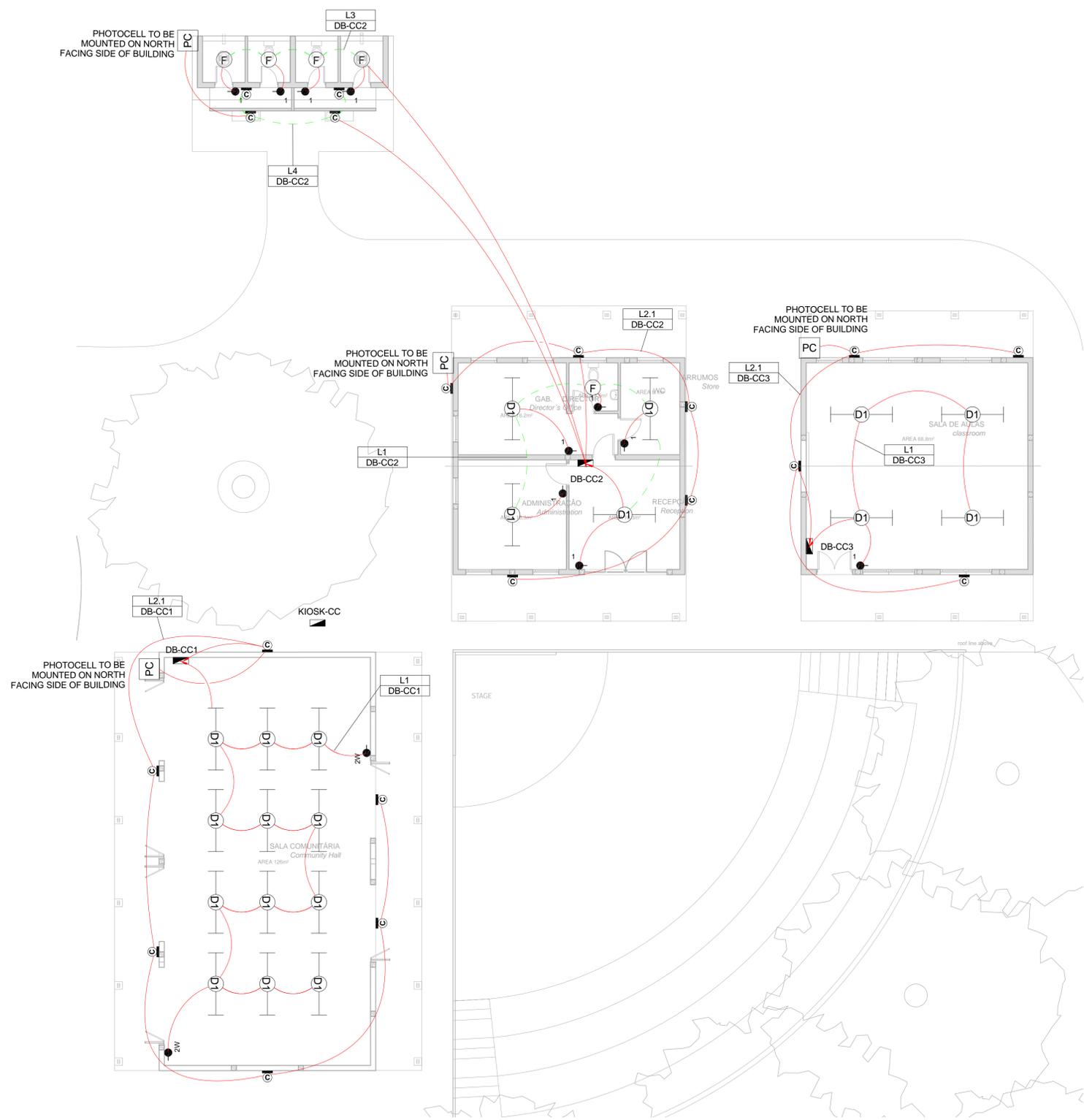
- SINGLE SOCKET OUTLET
- DOUBLE SOCKET OUTLET
- ▲ VOIP DATA POINT
- ▲ TV POINT
- ⊕ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD
- ⊘ DOUBLE POLE ISOLATOR
- ▭ 6U IT CABINET FOR VOIP
- ▭ 50mm SLEEVE
- ▭ 25mm CONDUIT

**LIGHTING LEGEND**

- ⊕ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS \*POLE AND LS122 "LIGHT" FROM RADIANT)
- ⊕ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
- ⊕ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- ⊕ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-136-ELB)
- ⊕ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊕ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-136-ELB)
- ⊕ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊕ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- ⊕ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD LOCATION
- ⊘ DOUBLE POLE ISOLATOR
- ⊕ PHOTOCELL

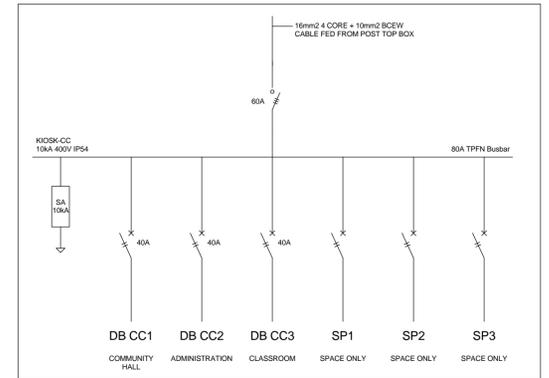
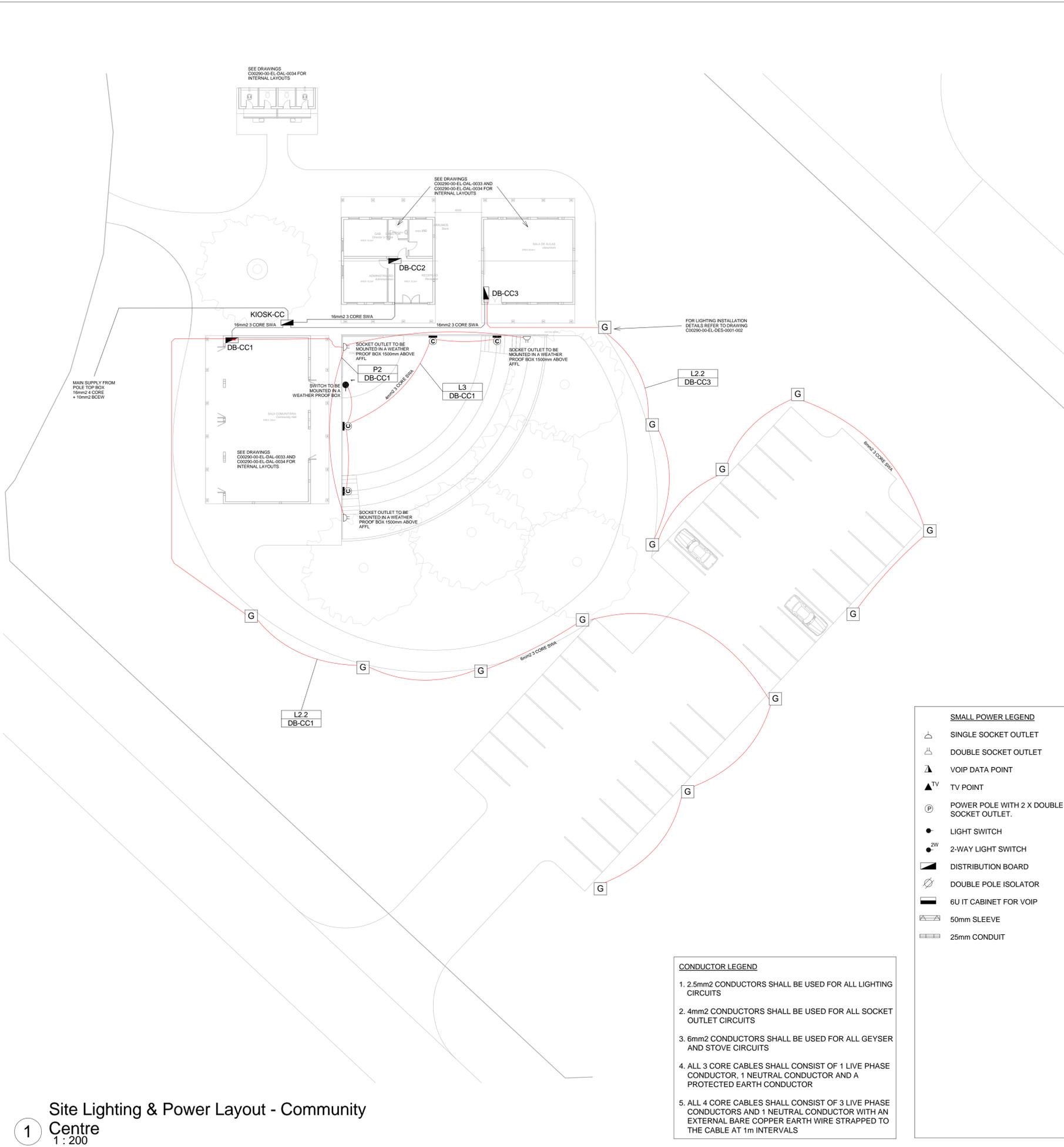
**CONDUCTOR LEGEND**

- 2.5mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
- 4mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
- 6mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
- ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
- ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS



1 Lighting Layout - Community Centre  
1 : 100

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 218 FOR OVERVIEW



2 Schematic - Community Centre Kiosk  
1 : 20

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 218 FOR OVERVIEW

**SCHEMATICS LEGEND**

- SINGLE PHASE SWITCH
- SINGLE PHASE DISCONNECTER ( OFF LOAD ISOLATOR)
- SINGLE PHASE SWITCH DISCONNECTOR
- SINGLE PHASE CIRCUIT BREAKER
- SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- THREE PHASE SWITCH
- THREE PHASE DISCONNECTER ( OFF LOAD ISOLATOR)
- THREE PHASE SWITCH DISCONNECTOR
- THREE PHASE CIRCUIT BREAKER
- THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- RCBO PROTECTION

**SMALL POWER LEGEND**

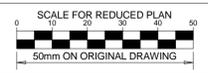
- SINGLE SOCKET OUTLET
- DOUBLE SOCKET OUTLET
- VOIP DATA POINT
- TV POINT
- POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2-WAY LIGHT SWITCH
- DISTRIBUTION BOARD
- DOUBLE POLE ISOLATOR
- 6U IT CABINET FOR VOIP
- 50mm SLEEVE
- 25mm CONDUIT

**LIGHTING LEGEND**

- 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
- 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
- 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-136-ELB)
- 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
- 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2-WAY LIGHT SWITCH
- DISTRIBUTION BOARD LOCATION
- DOUBLE POLE ISOLATOR
- PHOTOCCELL

**CONDUCTOR LEGEND**

1. 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2. 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3. 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS



**NOTES**

1. POWER CABLES SHALL BE BURIED DIRECTLY AT A MINIMUM OF 600mm BELOW GRADE
2. WHERE POWER CABLES ARE BURIED BELOW A ROAD CROSSING OR PATHWAY, 2x 110mm SLEEVES SHALL BE INSTALLED
3. WHERE SPECIFIED ON THE DRAWING, CONDUITS/SLEEVES SHALL BE INSTALLED

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticalation - LV (Overview)
C00290-00-EL-DAL-0033	Bus Community Centre Small Power
EA-MZ-CI0100-WOR-E02-00530-01	Bus Community Centre Lighting
C00290-00-EL-DAL-0034	Bus Community Centre Lighting
EA-MZ-CI0100-WOR-E02-00535-01	Bus Community Centre Lighting
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-00027-02	Typical Drawings Sheet 2

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D	09/10/15	TM	CB	Issued for Client Review
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DRAWN BY: C Brandsen		29/09/15
CHECKED: T Meyer		02/10/15
DESIGNER: C Brandsen		28/09/15
PR ENG: W Snyman		02/10/15
PROJECT ENG MANAGER: L Padayachee		02/10/15
LOCAL PR ENG:		
CLIENT:		

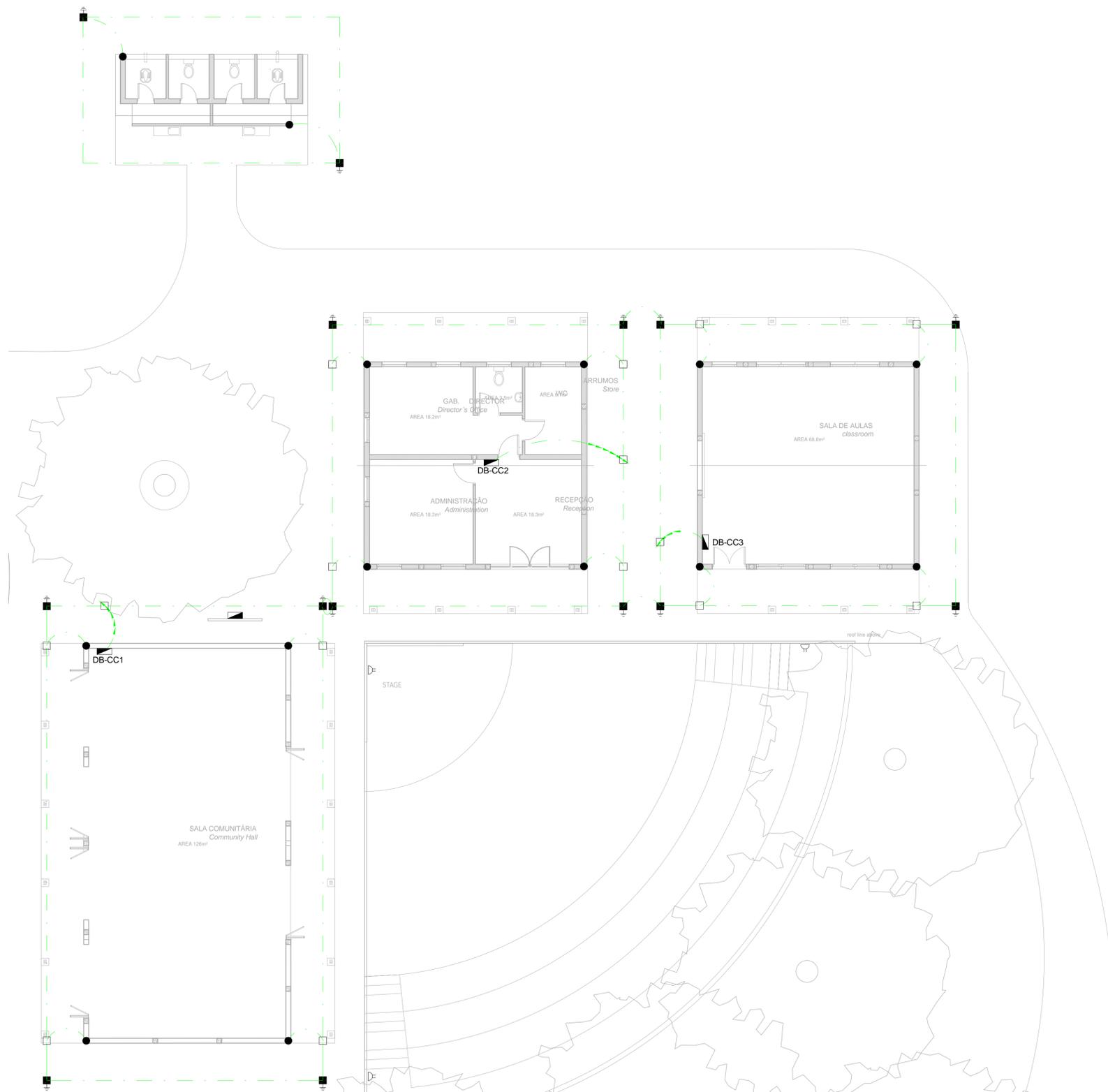


PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Bus Community Centre Site Power and Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0060	0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00532-01	

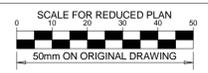
1 Site Lighting & Power Layout - Community Centre  
1 : 200



**EARTHING LEGEND**

- CADWELDED CONNECTION
- 3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
- DOWN CONDUCTOR
- 70MM2 BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS



**NOTES**

1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
2. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
3. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
4. A MINIMUM OF TWO 70mm2 BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DES-0001-001 EA-MZ-CI0000-WOR-E02-00027-01	Typical Drawings Sheet 1

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**REVISIONS**

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PR ENG: W Snyman 20050168	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Área 1, Lda

**PROJECT**  
**AMA1 RESETTLEMENT VILLAGE**

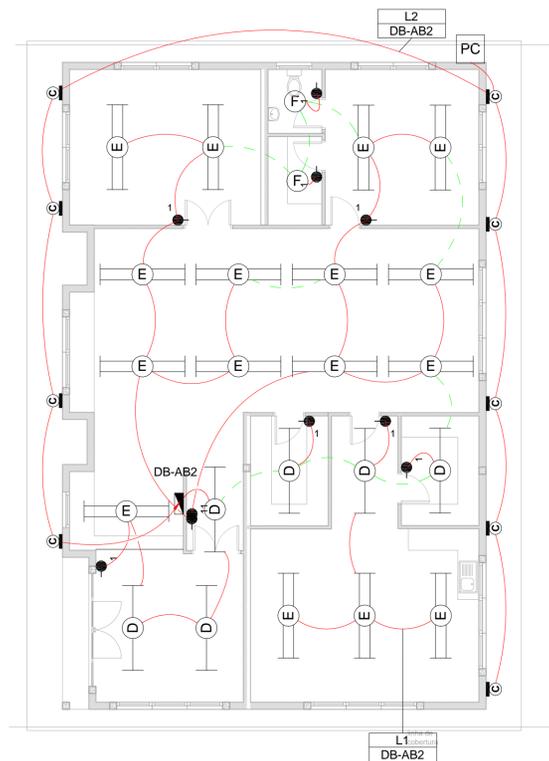
**DRAWING DESCRIPTION**  
**Resettlement Village Bus Community Centre Earthing and Lightning Protection**

SCALE 1 : 100 ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0054	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00531-01	

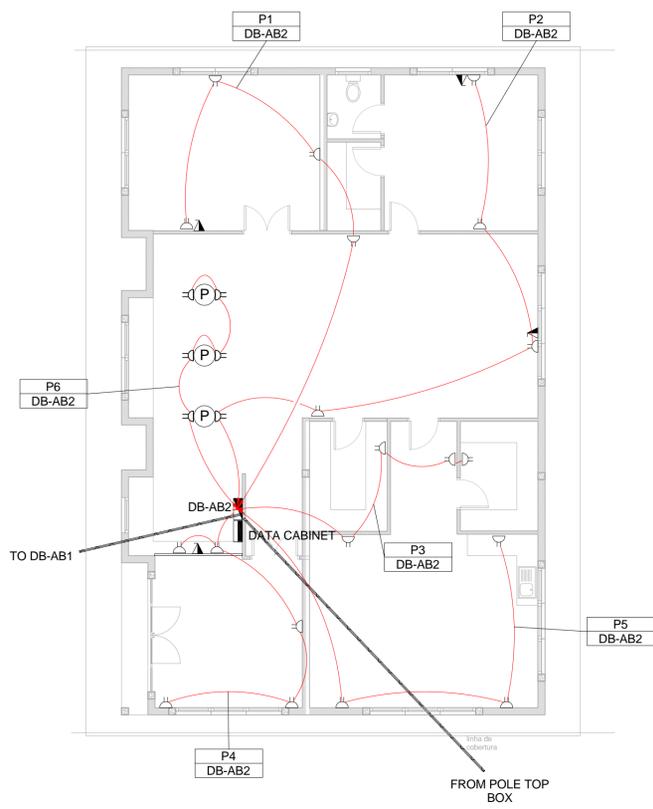
**1** Earthing Layout - Community Centre  
1 : 100

**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 218 FOR OVERVIEW

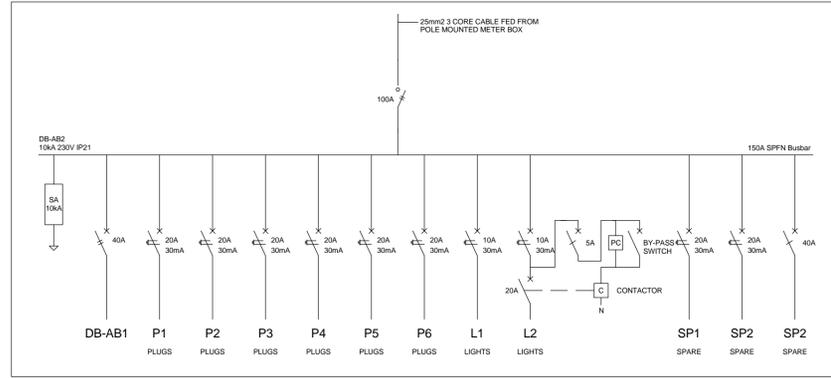




1 Lighting Layout - Admin Block 2  
1 : 100



2 Power Layout - Admin Block 2  
1 : 100



3 Schematic - Admin Block 2  
1 : 20

**SMALL POWER LEGEND**

- SINGLE SOCKET OUTLET
- DOUBLE SOCKET OUTLET
- ▲ VOIP DATA POINT
- ▲ TV TV POINT
- ⊕ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD
- ⊕ DOUBLE POLE ISOLATOR
- ▭ 6U IT CABINET FOR VOIP
- ▭ 50mm SLEEVE
- ▭ 25mm CONDUIT

**LIGHTING LEGEND**

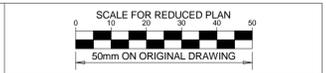
- ⊕ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
- ⊕ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB78
- ⊕ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- ⊕ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-136-ELB)
- ⊕ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊕ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
- ⊕ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊕ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- ⊕ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD LOCATION
- ⊕ DOUBLE POLE ISOLATOR
- ⊕ PHOTOCELL

**SCHEMATICS LEGEND**

- ⊕ SINGLE PHASE SWITCH
- ⊕ SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- ⊕ SINGLE PHASE SWITCH DISCONNECTOR
- ⊕ SINGLE PHASE CIRCUIT BREAKER
- ⊕ SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- ⊕ THREE PHASE SWITCH
- ⊕ THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- ⊕ THREE PHASE SWITCH DISCONNECTOR
- ⊕ THREE PHASE CIRCUIT BREAKER
- ⊕ THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- ⊕ RCBO PROTECTION

**CONDUCTOR LEGEND**

1. 2.5mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2. 4mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3. 6mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticulation - LV (Overview)
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-0007-01	
EA-MZ-CI0000-WOR-E02-0007-02	

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PR ENG: W Snyman	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15

CLIENT

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

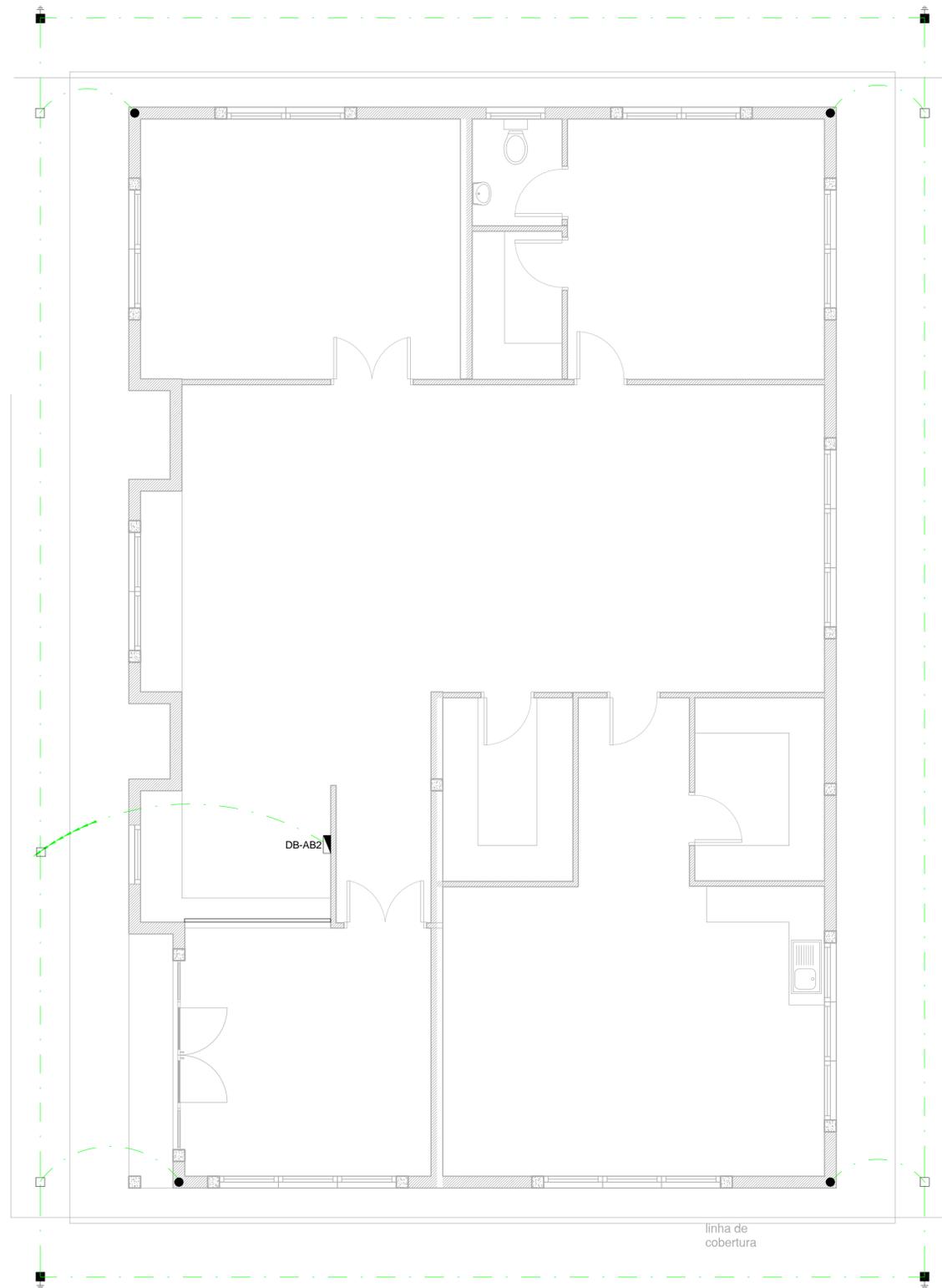
**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Admin Block 2 Small Power and Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0031	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00435-01	

**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 243 FOR OVERVIEW



1 Earthing Layout - Admin Block 2  
1 : 50

EARTHING LEGEND	
	CADWELDED CONNECTION
	3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
	DOWN CONDUCTOR
	70MM2 BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS



**NOTES**

1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
2. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
3. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
4. A MINIMUM OF TWO 70mm² BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DES-0001-001	Typical Drawings Sheet 1
EA-MZ-CI0000-WOR-E02-00027-01	

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LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Admin Block 2 Earthing and Lightning Protection**

SCALE As indicated ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
---	-----------------------

DRAWING NUMBER C00290-00-EL-DAL-0053	REV NO 0
---	-------------

ANADARKO DRAWING NUMBER  
EA-MZ-CI0100-WOR-E02-00433-01

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 243 FOR OVERVIEW

EARTHING LEGEND	
	CADWELDED CONNECTION
	3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
	DOWN CONDUCTOR
	70MM2 BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS



### NOTES

1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
2. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
3. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
4. A MINIMUM OF TWO 70mm2 BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DES-0001-001	Typical Drawings Sheet 1
EA-MZ-CI0000-WOR-E02-00027-01	

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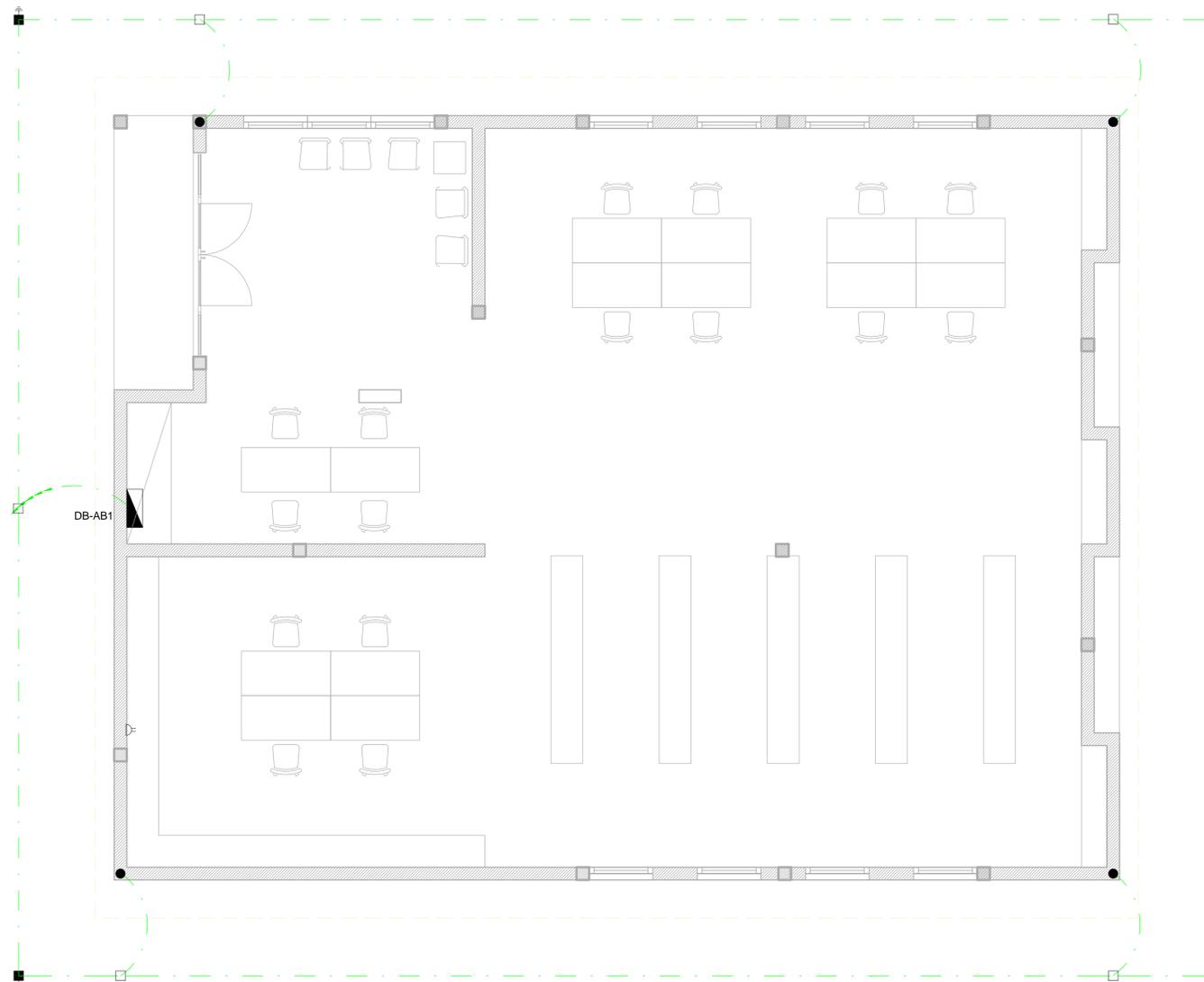
CLIENT

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

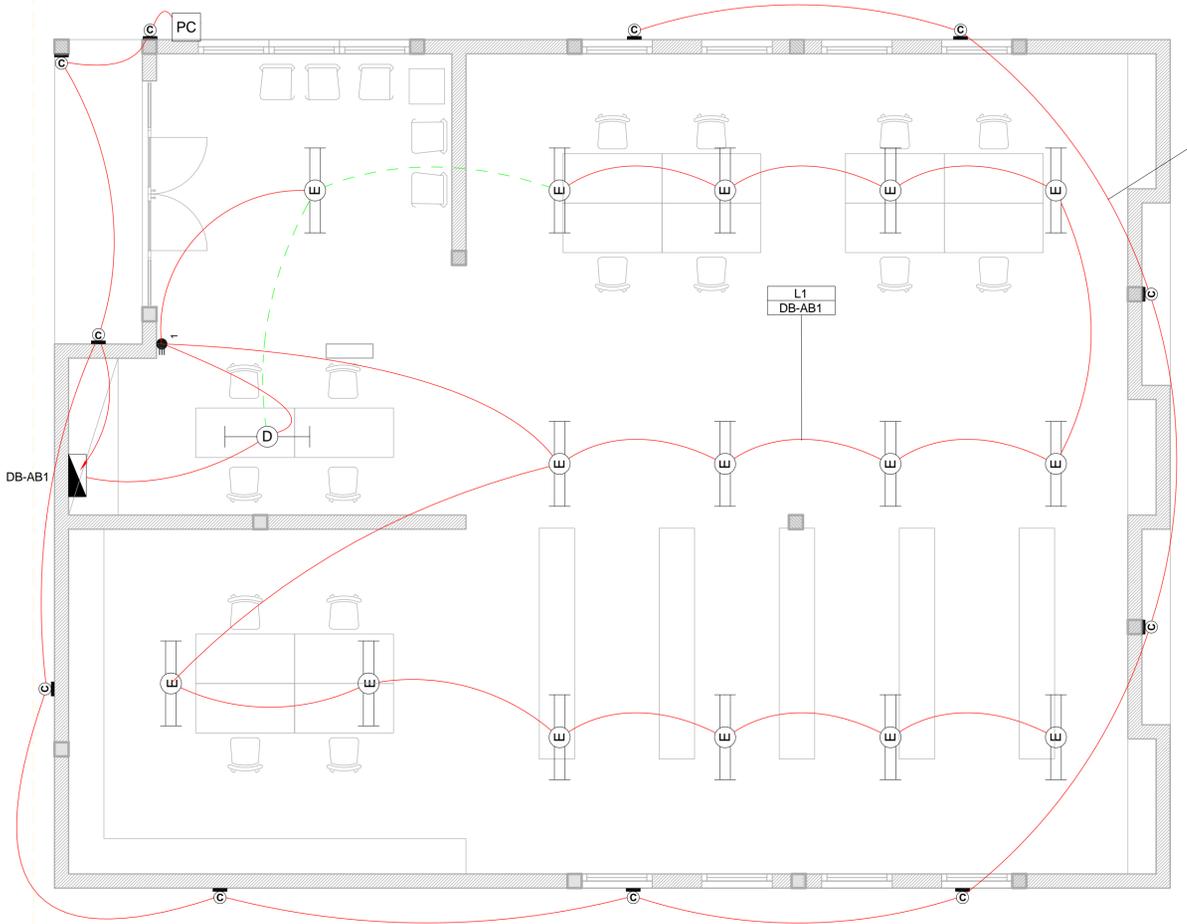
DRAWING DESCRIPTION  
**Resettlement Village Admin Block 1 Earthing and Lightning Protection**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0052	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0100-WOR-E02-00432-01	

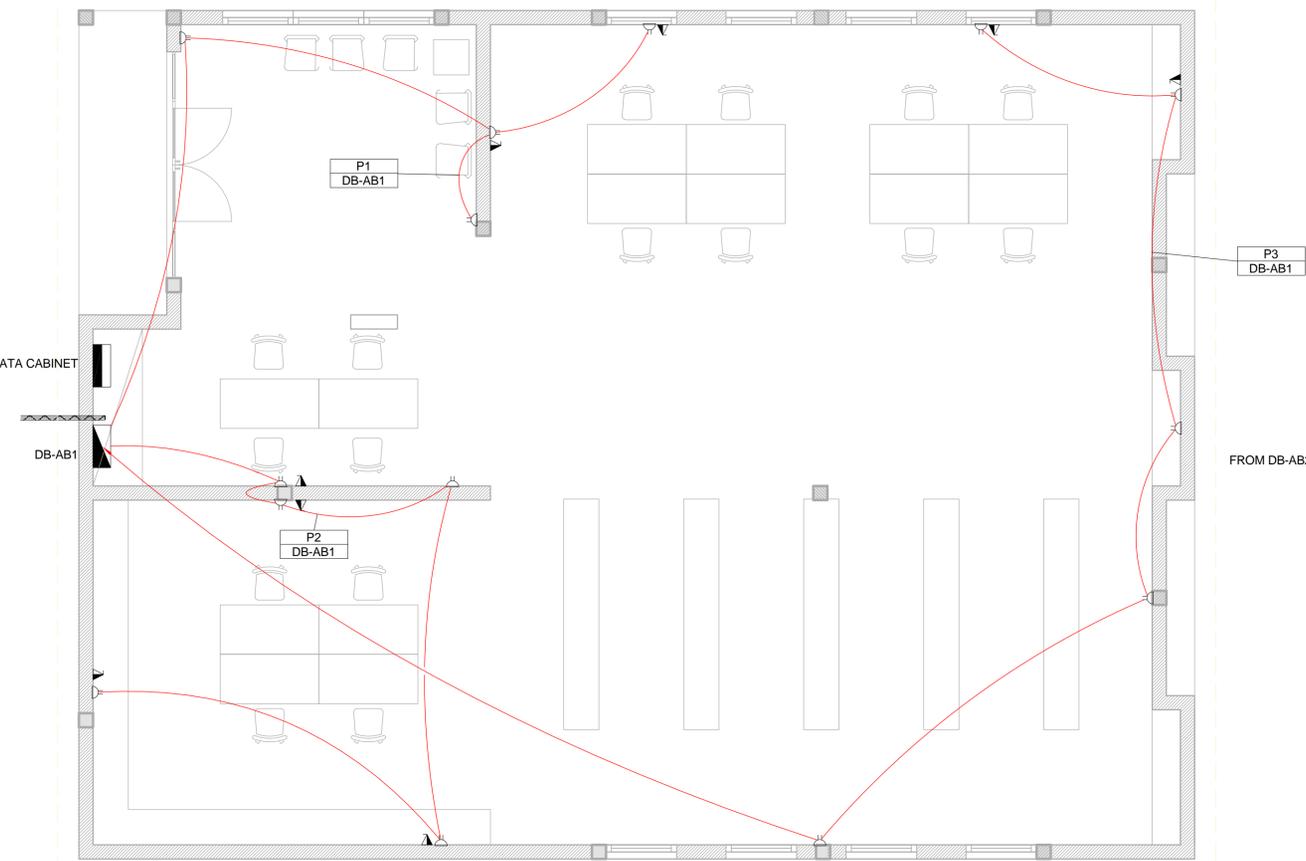
NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 243 FOR OVERVIEW



1 Earthing Layout - Admin Block 1  
1 : 50



1 Lighting Layout - Admin Block 1  
1 : 50



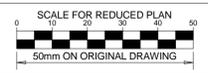
2 Power Layout - Admin Block 1  
1 : 50

**SMALL POWER LEGEND**

- △ SINGLE SOCKET OUTLET
- ◻ DOUBLE SOCKET OUTLET
- ▲ VOIP DATA POINT
- ▲ TV TV POINT
- ⊙ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD
- ⊘ DOUBLE POLE ISOLATOR
- ▭ 6U IT CABINET FOR VOIP
- ▭ 50mm SLEEVE
- ▭ 25mm CONDUIT

**LIGHTING LEGEND**

- ⊙ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS, THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED, (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS \*POLE AND LS122 "LIGHT" FROM RADIANT)
- ⊙ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
- ⊙ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- ⊙ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-136-ELB)
- ⊙ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊙ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-236-ELB)
- ⊙ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊙ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINARIES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- ⊙ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD LOCATION
- ⊘ DOUBLE POLE ISOLATOR
- ⊙ PHOTOCELL



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticulation - LV (Overview)
C00290-00-EL-DAL-0031	Admin Block 2 Small Power and Lighting
EA-MZ-CI0100-WOR-E02-00435-01	Typical Drawings Sheet 2

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CLIENT



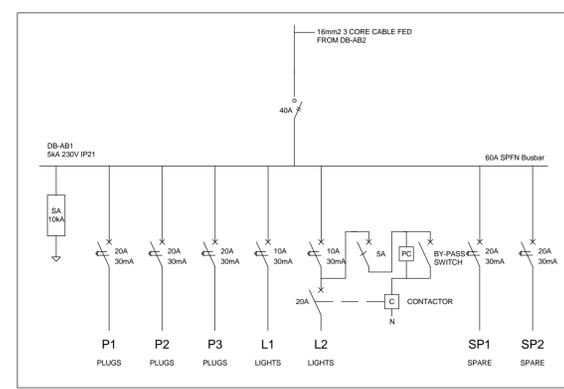
PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Admin Block 1 Small Power and Lighting**

SCALE As indicated ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
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DRAWING NUMBER C00290-00-EL-DAL-0030	REV NO 0
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ANADARKO DRAWING NUMBER  
EA-MZ-CI0100-WOR-E02-00430-01



3 Schematic - Admin Block 1  
1 : 20

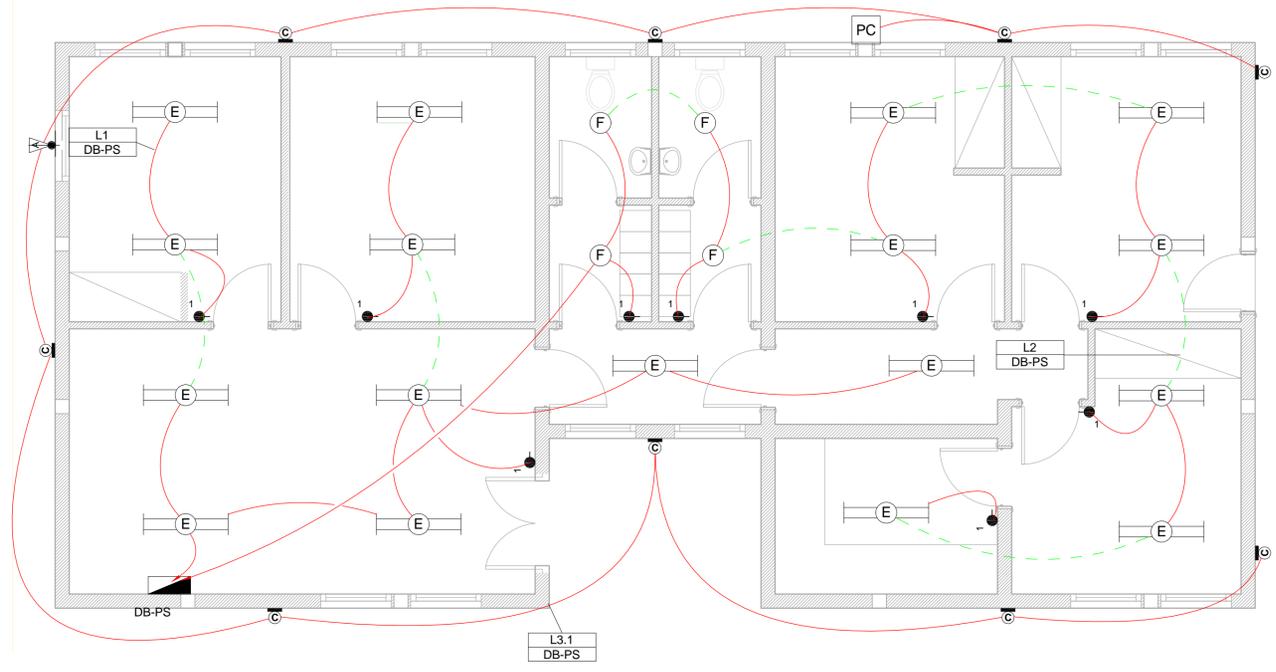
**SCHEMATICS LEGEND**

- ⊙ SINGLE PHASE SWITCH
- ⊙ SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- ⊙ SINGLE PHASE SWITCH DISCONNECTOR
- ⊙ SINGLE PHASE CIRCUIT BREAKER
- ⊙ SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- ⊙ THREE PHASE SWITCH
- ⊙ THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- ⊙ THREE PHASE SWITCH DISCONNECTOR
- ⊙ THREE PHASE CIRCUIT BREAKER
- ⊙ THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- ⊙ RCBO PROTECTION

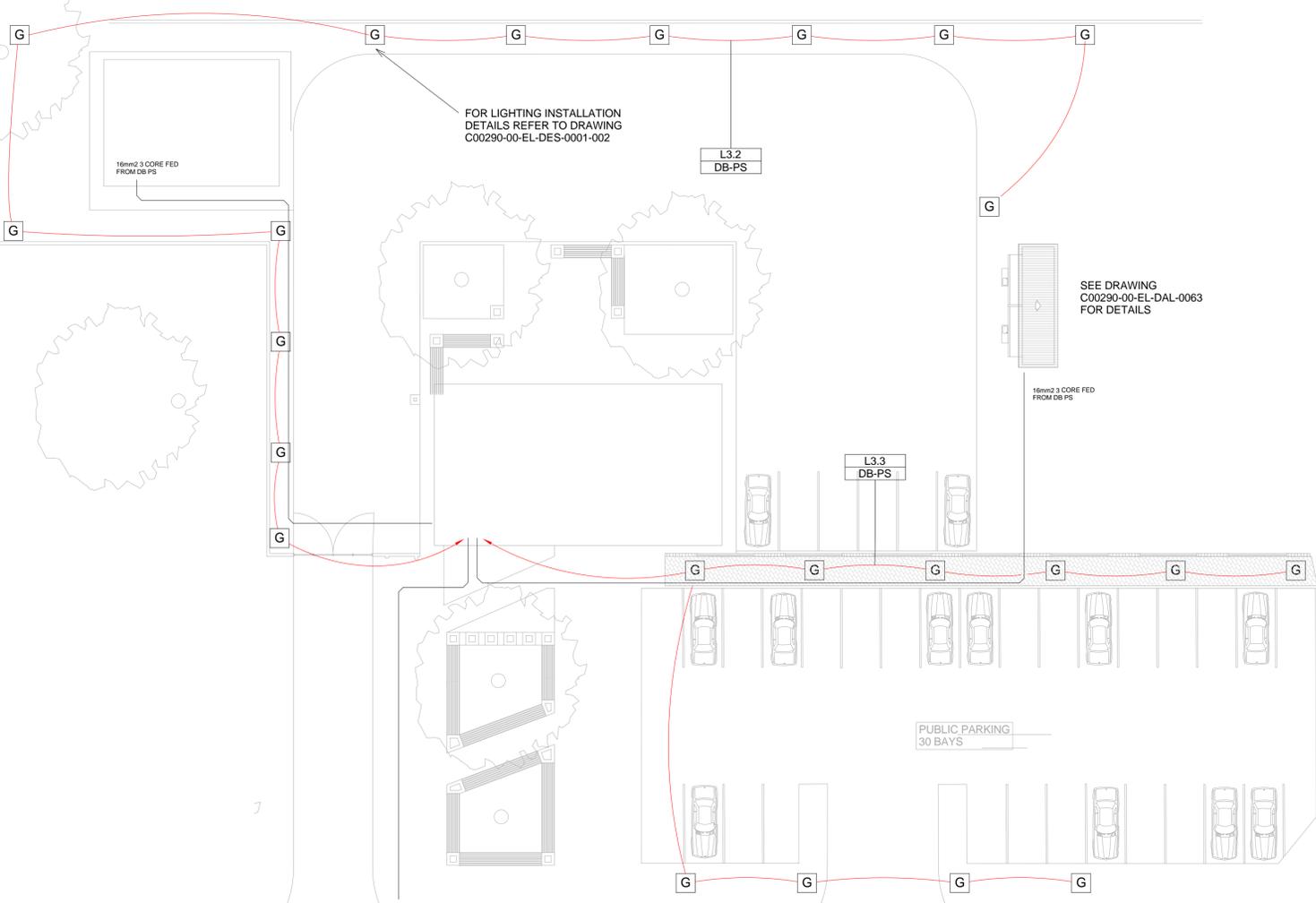
**CONDUCTOR LEGEND**

- 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
- 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
- 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
- ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
- ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 243 FOR OVERVIEW



1 Lighting Layout - Police Station  
1 : 50



3 Site Lighting Layout - Police Station  
1 : 200

**SMALL POWER LEGEND**

- △ SINGLE SOCKET OUTLET
- △ DOUBLE SOCKET OUTLET
- ▲ VOIP DATA POINT
- ▲ TV POINT
- Ⓟ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD
- ▭ DOUBLE POLE ISOLATOR
- ▭ 6U IT CABINET FOR VOIP
- ▭ 50mm SLEEVE
- ▭ 25mm CONDUIT

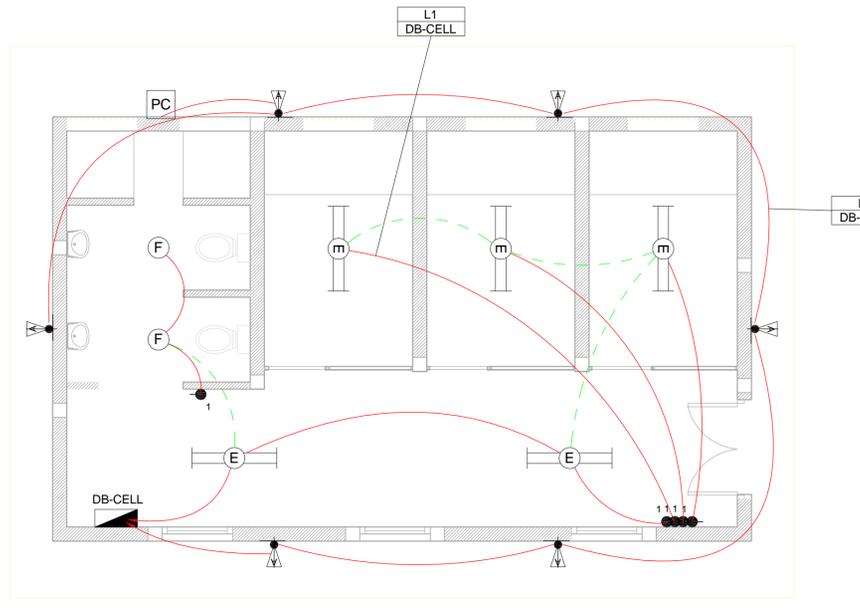
**LIGHTING LEGEND**

- Ⓛ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
- Ⓛ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB78
- Ⓛ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- Ⓛ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-136-ELB)
- Ⓛ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- Ⓛ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
- Ⓛ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- Ⓛ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- Ⓛ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD LOCATION
- ▭ DOUBLE POLE ISOLATOR
- Ⓛ PHOTOCELL

**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 244 FOR OVERVIEW

**CONDUCTOR LEGEND**

1. 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2. 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3. 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS



2 Lighting Layout - Police Station Cells  
1 : 50

SCALE FOR REDUCED PLAN  
0 10 20 30 40 50  
50mm ON ORIGINAL DRAWING

**NOTES**

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0036	Police Station Small Power
C00290-00-EL-DAL-0063	Public Toilets Lighting Layout
EA-MZ-CI0100-WOR-E02-00330-01	
EA-MZ-CI0100-WOR-E02-00108-01	
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-00027-02	

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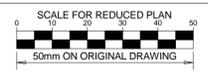
REVISIONS				
NO.	DATE	CHECKED BY	DRAWN BY	DESCRIPTION
A	03/08/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	26/11/15	TM	CB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**  
DRAWING DESCRIPTION  
**Resettlement Village Police Station Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0037	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00340-01	



**NOTES**

1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
2. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
3. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
4. A MINIMUM OF TWO 70mm<sup>2</sup> BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DES-0001-001 EA-MZ-CI0000-WOR-E02-00027-01	Typical Drawings Sheet 1

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**REVISIONS**

NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	28/09/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	06/11/15	TM	SB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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WorleyParsons RSA (Pty) Ltd.

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PR ENG: W Snyman 20050168	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Police Station Cells Earthing and Lightning Protection**

SCALE As indicated ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
---	-----------------------

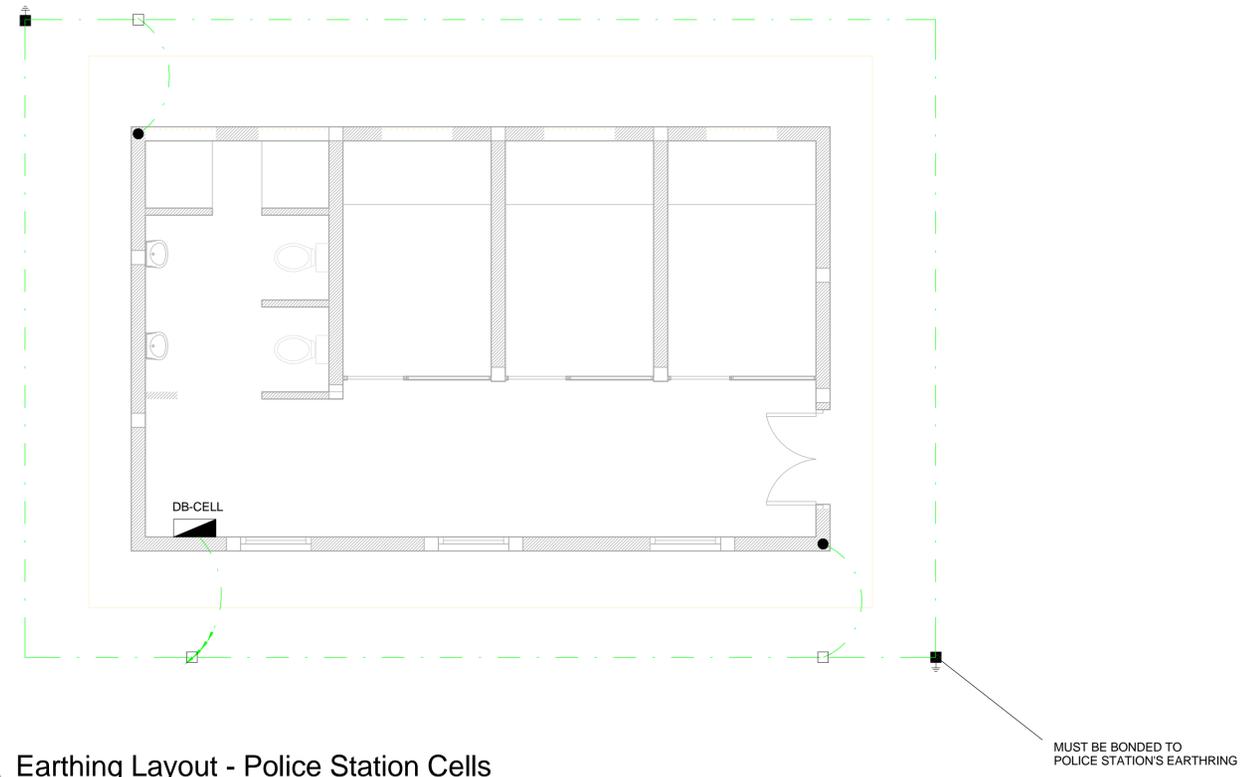
DRAWING NUMBER C00290-00-EL-DAL-0057	REV NO 0
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ANADARKO DRAWING NUMBER  
EA-MZ-CI0100-WOR-E02-00332-01

**EARTHING LEGEND**

- CADWELDED CONNECTION
- 3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
- DOWN CONDUCTOR
- 70MM<sup>2</sup> BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS



**1** Earthing Layout - Police Station Cells  
1 : 50

**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 244 FOR OVERVIEW



**NOTES**

1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
2. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
3. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
4. A MINIMUM OF TWO 70MM<sup>2</sup> BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DES-0001-001 EA-MZ-CI0000-WOR-E02-00027-01	Typical Drawings Sheet 1

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**REVISIONS**

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B	28/09/15	TM	SB	Issued for Detailed Design
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PR ENG: W Snyman 20050166	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Police Station Earthing and Lightning Protection**

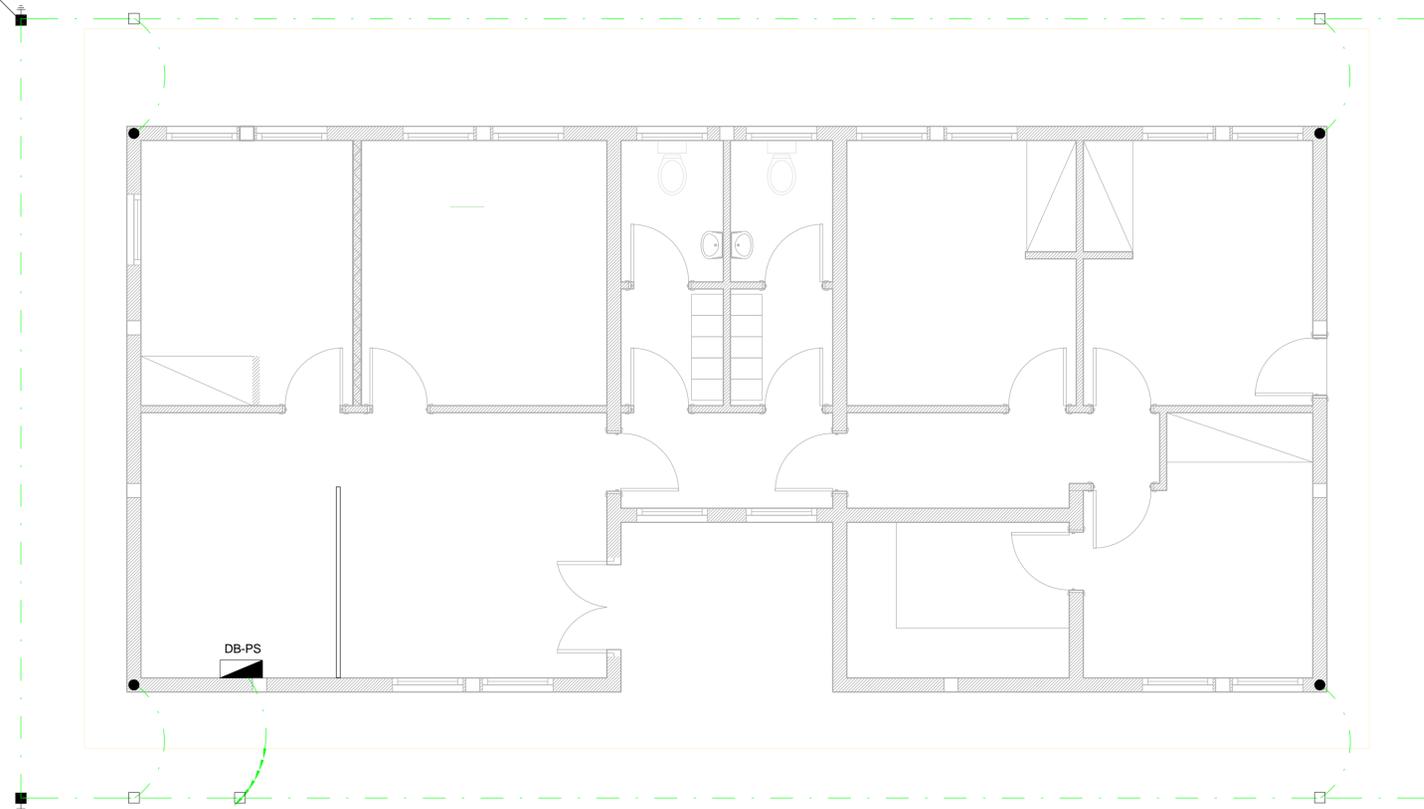
SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0056	0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00331-01	

**EARTHING LEGEND**

- CADWELDED CONNECTION
- 3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
- DOWN CONDUCTOR
- 70MM<sup>2</sup> BARE COPPER EARTH WIRE

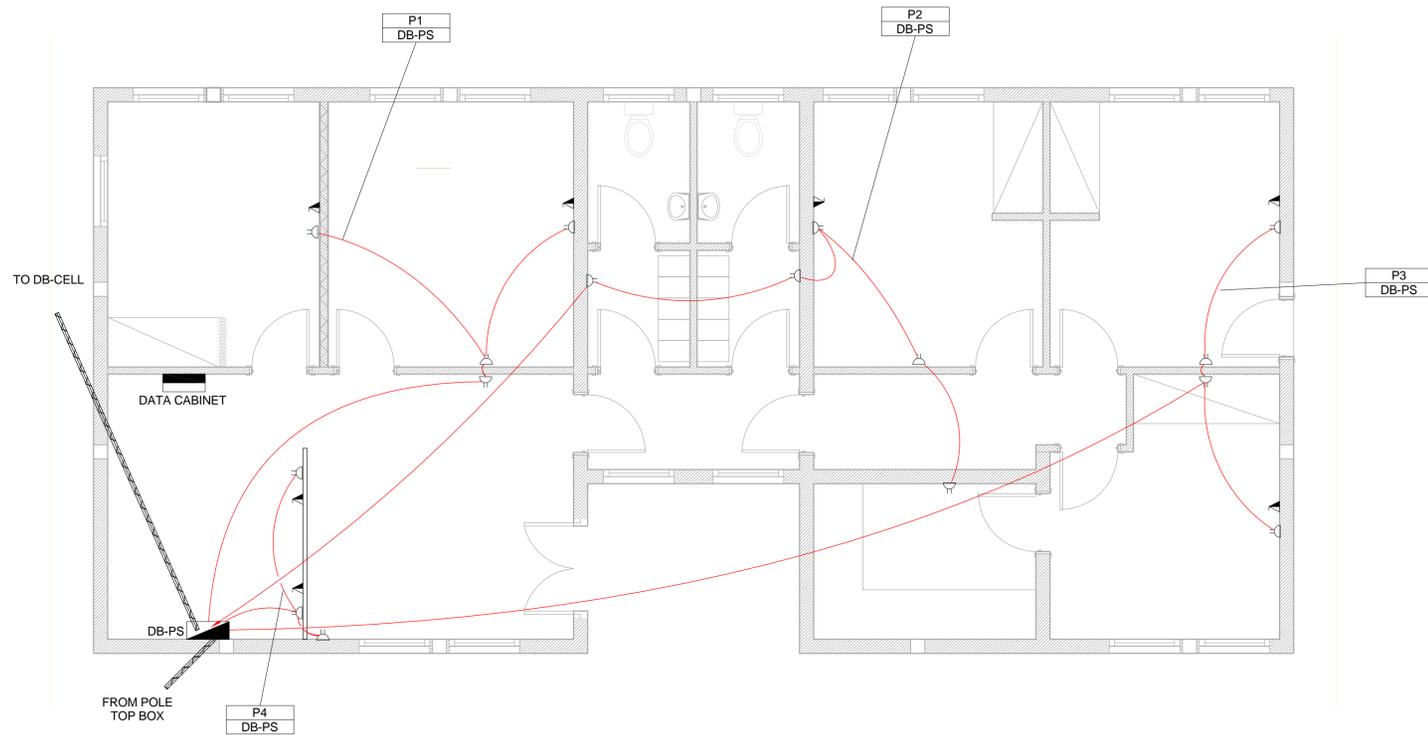
SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS

MUST BE BONDED TO CELL'S EARTHRING

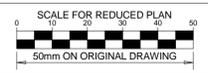


**1** Earthing Layout - Police Station  
1 : 50

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 244 FOR OVERVIEW



- SMALL POWER LEGEND**
- △ SINGLE SOCKET OUTLET
  - ⊕ DOUBLE SOCKET OUTLET
  - ▲ VOIP DATA POINT
  - ▲ TV TV POINT
  - ⊖ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
  - LIGHT SWITCH
  - 2W 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD
  - ⊖ DOUBLE POLE ISOLATOR
  - ▭ 6U IT CABINET FOR VOIP
  - ▭ 50mm SLEEVE
  - ▭ 25mm CONDUIT
- LIGHTING LEGEND**
- ⊖ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS \*POLE AND LS122 \*LIGHT\* FROM RADIANT)
  - ⊖ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB76
  - ⊖ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
  - ⊖ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-136-ELB)
  - ⊖ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - ⊖ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
  - ⊖ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - ⊖ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINARIES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
  - ⊖ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
  - ONE LEVER LIGHT SWITCH
  - TWO LEVER LIGHT SWITCH
  - THREE LEVER LIGHT SWITCH
  - 2W 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD LOCATION
  - ⊖ DOUBLE POLE ISOLATOR
  - ⊖ PHOTOCELL



**NOTES**

- ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticulation - LV (Overview)
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-00027-02	

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PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

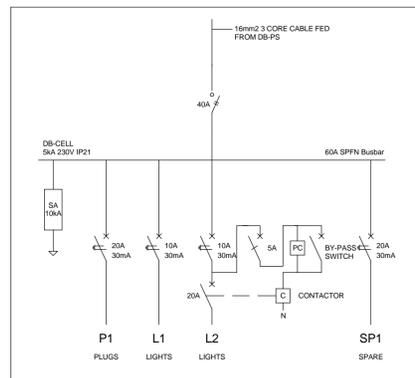
DRAWING DESCRIPTION  
**Resettlement Village Police Station Small Power**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0036	0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00330-01	

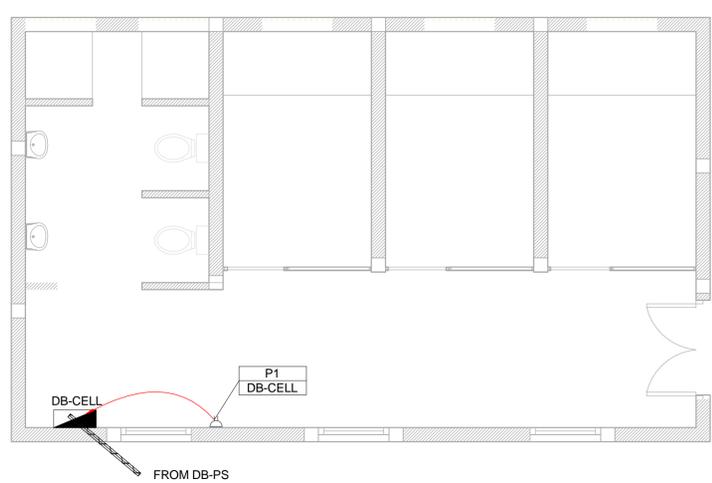
- CONDUCTOR LEGEND**
- 2.5mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
  - 4mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
  - 6mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
  - ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
  - ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

- SCHEMATICS LEGEND**
- SINGLE PHASE SWITCH
  - SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - SINGLE PHASE SWITCH DISCONNECTOR
  - SINGLE PHASE CIRCUIT BREAKER
  - SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
  - THREE PHASE SWITCH
  - THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - THREE PHASE SWITCH DISCONNECTOR
  - THREE PHASE CIRCUIT BREAKER
  - THREE PHASE CIRCUIT BREAKER FOR ISOLATION
  - RCBO PROTECTION

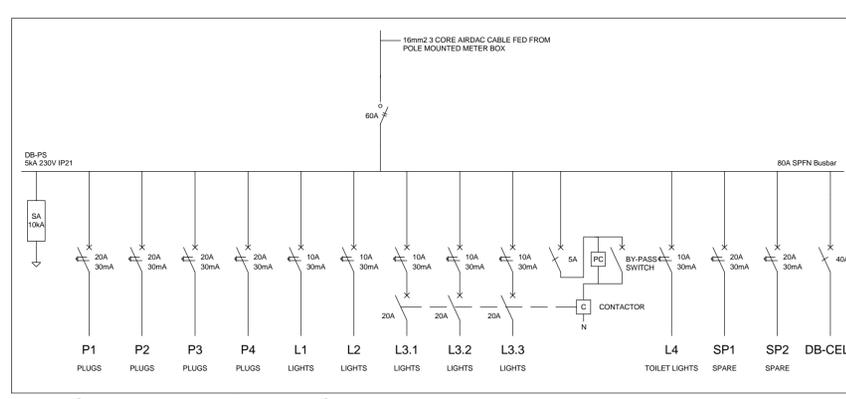
**1 Power Layout - Police Station**  
1 : 50



**4 Schematic - Police Station Cells**  
1 : 20

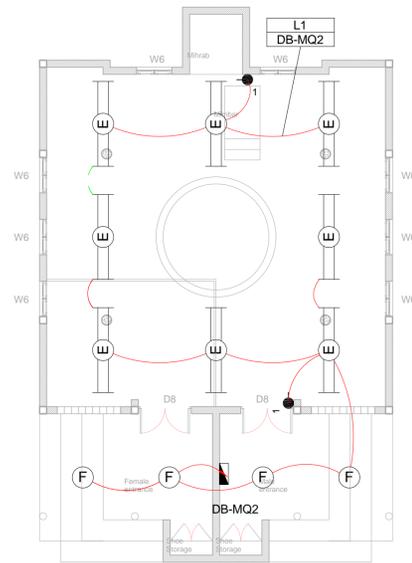


**2 Power Layout - Police Station Cells**  
1 : 50

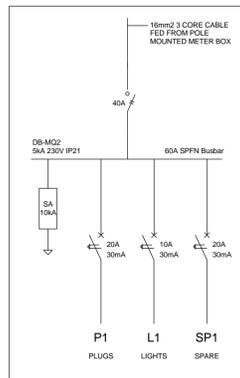


**3 Schematic - Police Station**  
1 : 20

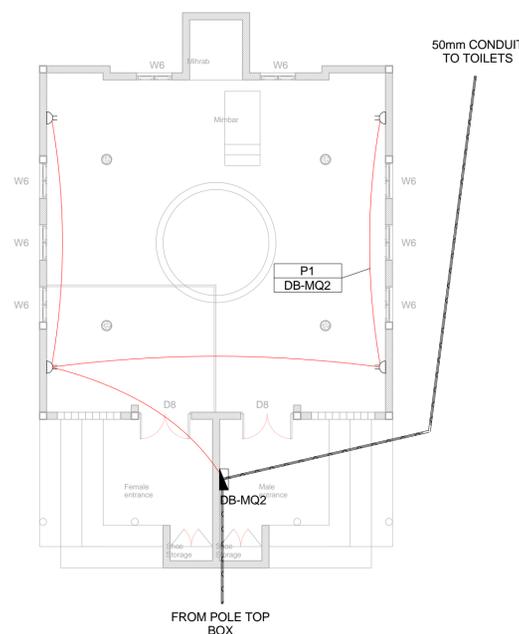
**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 244 FOR OVERVIEW



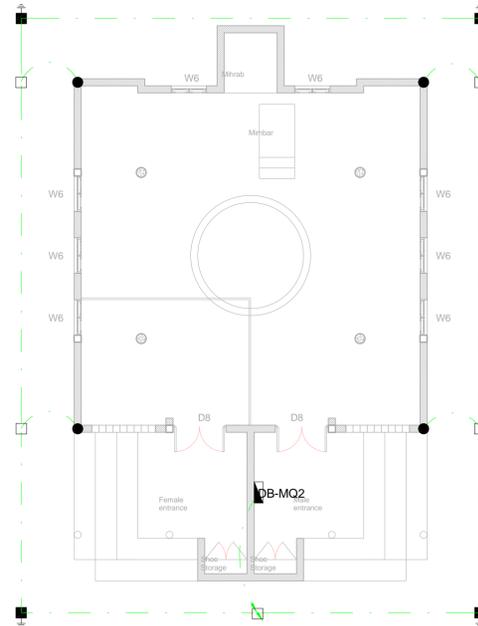
1 Lighting Layout - Small Mosque  
1 : 100



3 Schematic - Small Mosque  
1 : 20



2 Power Layout - Small Mosque  
1 : 100



4 Earthing Layout - Small Mosque  
1 : 100

- SMALL POWER LEGEND**
- SINGLE SOCKET OUTLET
  - DOUBLE SOCKET OUTLET
  - VOIP DATA POINT
  - ▲ TV POINT
  - POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
  - LIGHT SWITCH
  - 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD
  - ⊘ DOUBLE POLE ISOLATOR
  - ▭ 6U IT CABINET FOR VOIP
  - ▭ 50mm SLEEVE
  - ▭ 25mm CONDUIT

- LIGHTING LEGEND**
- ⊘ 2 X 28W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS 'POLE' AND LS122 'LIGHT' FROM RADIANT)
  - ⊘ 2 X 28W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG. HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
  - ⊘ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
  - ⊘ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/I-T-136-ELB)
  - ⊘ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - ⊘ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/I-T-236-ELB)
  - ⊘ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - ⊘ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
  - ⊘ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
  - ONE LEVER LIGHT SWITCH
  - TWO LEVER LIGHT SWITCH
  - THREE LEVER LIGHT SWITCH
  - 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD LOCATION
  - ⊘ DOUBLE POLE ISOLATOR
  - ⊘ PHOTOCELL

- CONDUCTOR LEGEND**
1. 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
  2. 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
  3. 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
  4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
  5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

- SCHEMATICS LEGEND**
- ⊘ SINGLE PHASE SWITCH
  - ⊘ SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - ⊘ SINGLE PHASE SWITCH DISCONNECTOR
  - ⊘ SINGLE PHASE CIRCUIT BREAKER
  - ⊘ SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
  - ⊘ THREE PHASE SWITCH
  - ⊘ THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - ⊘ THREE PHASE SWITCH DISCONNECTOR
  - ⊘ THREE PHASE CIRCUIT BREAKER
  - ⊘ THREE PHASE CIRCUIT BREAKER FOR ISOLATION
  - ⊘ RCBO PROTECTION

- EARTHING LEGEND**
- ⊘ CADWELDED CONNECTION
  - ⊘ 3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
  - DOWN CONDUCTOR
  - ⊘ 70MM² BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.
2. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
3. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
4. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
5. A MINIMUM OF TWO 70mm² BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Retention - LV (Overview)
C00290-00-EL-DES-0001-001	EA-MZ-CI0000-WOR-E02-00027-01 Typical Drawings Sheet 1
C00290-00-EL-DES-0001-002	EA-MZ-CI0000-WOR-E02-00027-02 Typical Drawings Sheet 2

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**REVISIONS**

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A	28/09/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
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FAX: +27(0)11 218 3100  
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WorleyParsons RSA (Pty) Ltd.

NAME	SIGNATURE	DATE
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DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman 20050168	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

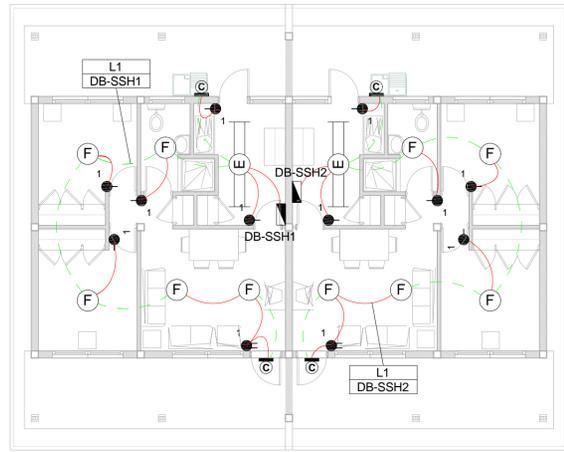
**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

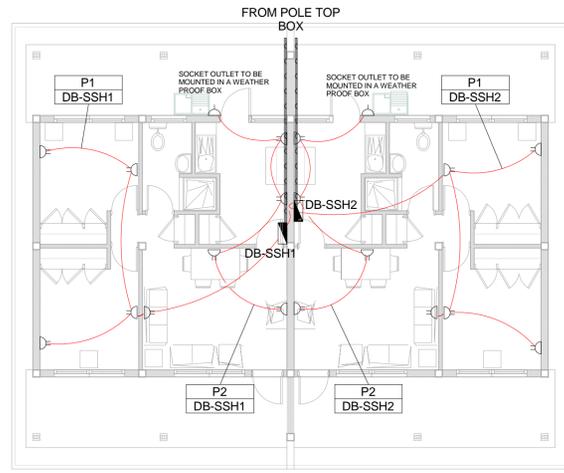
DRAWING DESCRIPTION  
**Resettlement Village Small Mosque Small Power and Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0051	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00107-01	

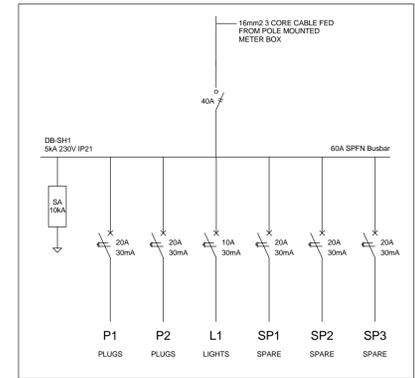
NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 174 & 444 FOR OVERVIEW



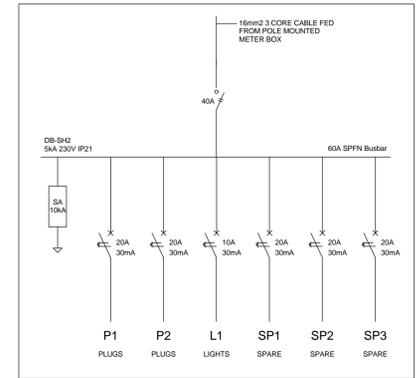
1 Lighting Layout - School Staff Housing  
1 : 100



2 Power Layout - School Staff Housing  
1 : 100



3 Schematic - School Staff Housing  
1 : 20



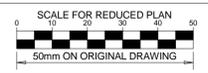
- SMALL POWER LEGEND**
- △ SINGLE SOCKET OUTLET
  - △ DOUBLE SOCKET OUTLET
  - △ VOIP DATA POINT
  - ▲ TV POINT
  - Ⓟ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
  - LIGHT SWITCH
  - 2W 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD
  - ⊘ DOUBLE POLE ISOLATOR
  - ▭ 6U IT CABINET FOR VOIP
  - ▭ 50mm SLEEVE
  - ▭ 25mm CONDUIT

- LIGHTING LEGEND**
- Ⓛ 2 X 28W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
  - Ⓛ 2 X 28W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
  - Ⓛ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
  - Ⓛ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/I/T-136-ELB)
  - Ⓛ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - Ⓛ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/I/T-236-ELB)
  - Ⓛ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
  - Ⓛ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINARIES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
  - Ⓛ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
  - ONE LEVER LIGHT SWITCH
  - TWO LEVER LIGHT SWITCH
  - THREE LEVER LIGHT SWITCH
  - 2W 2-WAY LIGHT SWITCH
  - ▭ DISTRIBUTION BOARD LOCATION
  - ⊘ DOUBLE POLE ISOLATOR
  - Ⓛ PHOTOCELL

- SCHEMATICS LEGEND**
- Ⓛ SINGLE PHASE SWITCH
  - Ⓛ SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - Ⓛ SINGLE PHASE SWITCH DISCONNECTOR
  - Ⓛ SINGLE PHASE CIRCUIT BREAKER
  - Ⓛ SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
  - Ⓛ THREE PHASE SWITCH
  - Ⓛ THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
  - Ⓛ THREE PHASE SWITCH DISCONNECTOR
  - Ⓛ THREE PHASE CIRCUIT BREAKER
  - Ⓛ THREE PHASE CIRCUIT BREAKER FOR ISOLATION
  - Ⓛ RCBO PROTECTION

- CONDUCTOR LEGEND**
1. 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
  2. 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
  3. 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
  4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
  5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 249, 250, 251, 252, 253 & 254 FOR OVERVIEW



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Retiulation - LV (Overview)
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-0007-01	
EA-MZ-CI0000-WOR-E02-0007-02	

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B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
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CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15

CLIENT

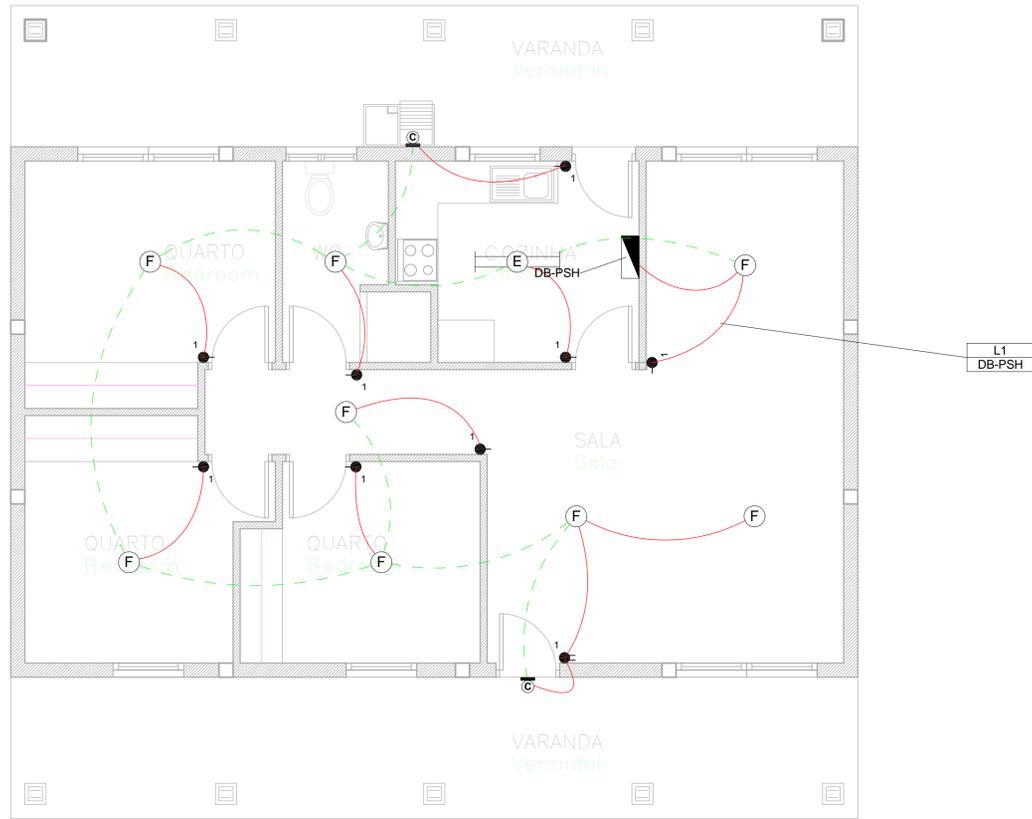
**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

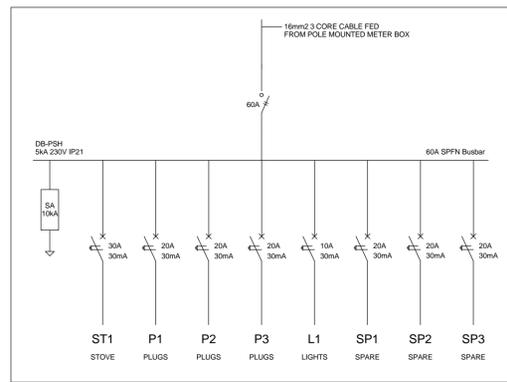
PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village School Staff Housing Small Power and Lighting**

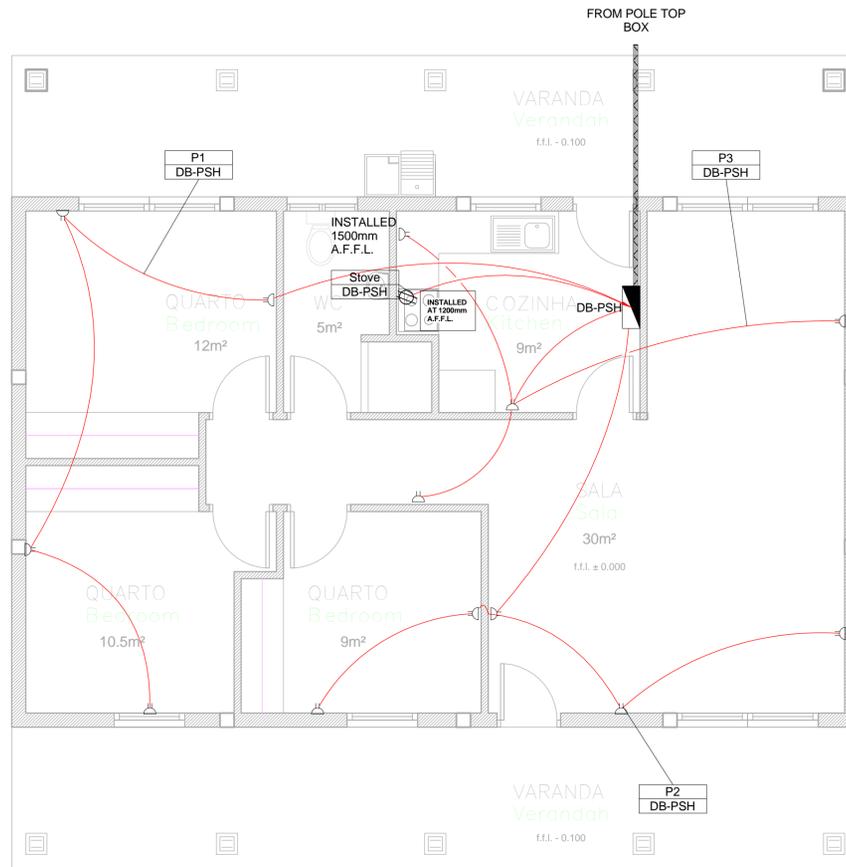
SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0050	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00106-01	



1 Lighting Layout - Police Staff Housing  
1 : 50



3 Schematic - Police Staff Housing  
1 : 20



2 Power Layout - Police Staff Housing  
1 : 50

**SMALL POWER LEGEND**

- SINGLE SOCKET OUTLET
- DOUBLE SOCKET OUTLET
- VOIP DATA POINT
- ▲ TV POINT
- POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD
- ▭ DOUBLE POLE ISOLATOR
- ▭ 6U IT CABINET FOR VOIP
- ▭ 50mm SLEEVE
- ▭ 25mm CONDUIT

**LIGHTING LEGEND**

- 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS 'POLE' AND LS122 'LIGHT' FROM RADIANT)
- 1X26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
- 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-136-ELB)
- 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE R/T-236-ELB)
- 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD LOCATION
- ▭ DOUBLE POLE ISOLATOR
- ▭ PHOTOCELL

**SCHEMATICS LEGEND**

- SINGLE PHASE SWITCH
- SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- SINGLE PHASE SWITCH DISCONNECTOR
- SINGLE PHASE CIRCUIT BREAKER
- SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- THREE PHASE SWITCH
- THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- THREE PHASE SWITCH DISCONNECTOR
- THREE PHASE CIRCUIT BREAKER
- THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- RCBO PROTECTION

**CONDUCTOR LEGEND**

1. 2.5mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2. 4mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3. 6mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Retiulation - LV (Overview)
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-0007-01	
EA-MZ-CI0000-WOR-E02-0007-02	

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NAME	SIGNATURE	DATE
DRAWN BY: S Bedasie	<i>S Bedasie</i>	28/09/15
CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15

CLIENT

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

PROJECT

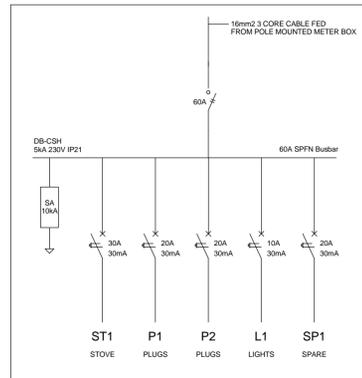
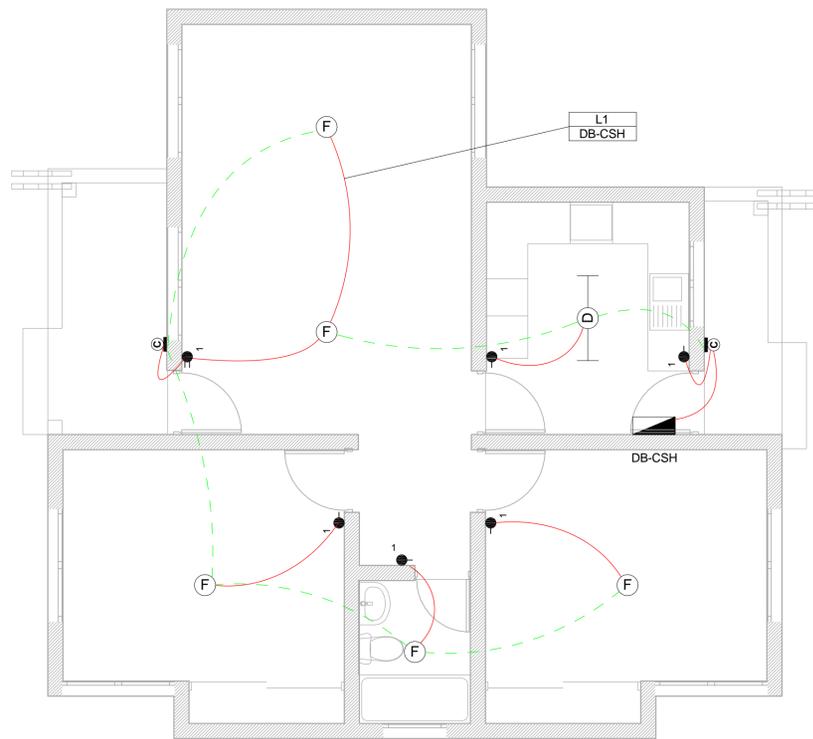
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION

**Resettlement Village Police Staff Housing Small Power and Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0049	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0100-WOR-E02-00105-01	

**NOTE:**  
SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 264 & 265 FOR OVERVIEW



4 Schematic - Clinic Staff Housing  
1 : 20

SMALL POWER LEGEND		LIGHTING LEGEND	
⏏	SINGLE SOCKET OUTLET	☼	2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
⏏	DOUBLE SOCKET OUTLET	ⓑ	2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M SCORE 1MM CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
⏏	VOIP DATA POINT	ⓐ	1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
⏏	TV POINT	ⓓ	1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
⏏	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.	ⓔ	1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
⏏	LIGHT SWITCH	ⓕ	2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
⏏	2-WAY LIGHT SWITCH	ⓖ	2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
⏏	DISTRIBUTION BOARD	ⓗ	1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
⏏	DOUBLE POLE ISOLATOR	ⓓ	EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
⏏	6U IT CABINET FOR VOIP	ⓓ	ONE LEVER LIGHT SWITCH
⏏	50mm SLEEVE	ⓓ	TWO LEVER LIGHT SWITCH
⏏	25mm CONDUIT	ⓓ	THREE LEVER LIGHT SWITCH
		ⓓ	2-WAY LIGHT SWITCH
		ⓓ	DISTRIBUTION BOARD LOCATION
		ⓓ	DOUBLE POLE ISOLATOR
		ⓓ	PHOTOCCELL

CONDUCTOR LEGEND	
1.	2.5mm <sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2.	4mm <sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3.	6mm <sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4.	ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5.	ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

SCHEMATICS LEGEND	
⏏	SINGLE PHASE SWITCH
⏏	SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
⏏	SINGLE PHASE SWITCH DISCONNECTOR
⏏	SINGLE PHASE CIRCUIT BREAKER
⏏	SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
⏏	THREE PHASE SWITCH
⏏	THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
⏏	THREE PHASE SWITCH DISCONNECTOR
⏏	THREE PHASE CIRCUIT BREAKER
⏏	THREE PHASE CIRCUIT BREAKER FOR ISOLATION
⏏	RCBO PROTECTION

EARTHING LEGEND	
⏏	CADWELDED CONNECTION
⏏	3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
⏏	DOWN CONDUCTOR
⏏	70MM <sup>2</sup> BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 61, 62, 235 & 237 FOR OVERVIEW



NOTES

- ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.
- EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
- LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
- LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
- A MINIMUM OF TWO 70mm<sup>2</sup> BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Retiulation - LV (Overview)
C00290-00-EL-DES-0001-001	Typical Drawings Sheet 1
EA-MZ-CI0000-WOR-E02-00027-01	Typical Drawings Sheet 2

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REVISIONS

NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	28/09/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	17/11/15	TM	CB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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CHECKED: T Meyer		02/10/15
DESIGNER: C Brandsen		28/09/15
PR ENG: W Snyman		02/10/15
PROJECT ENG MANAGER: L Padayachee		02/10/15

CLIENT

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

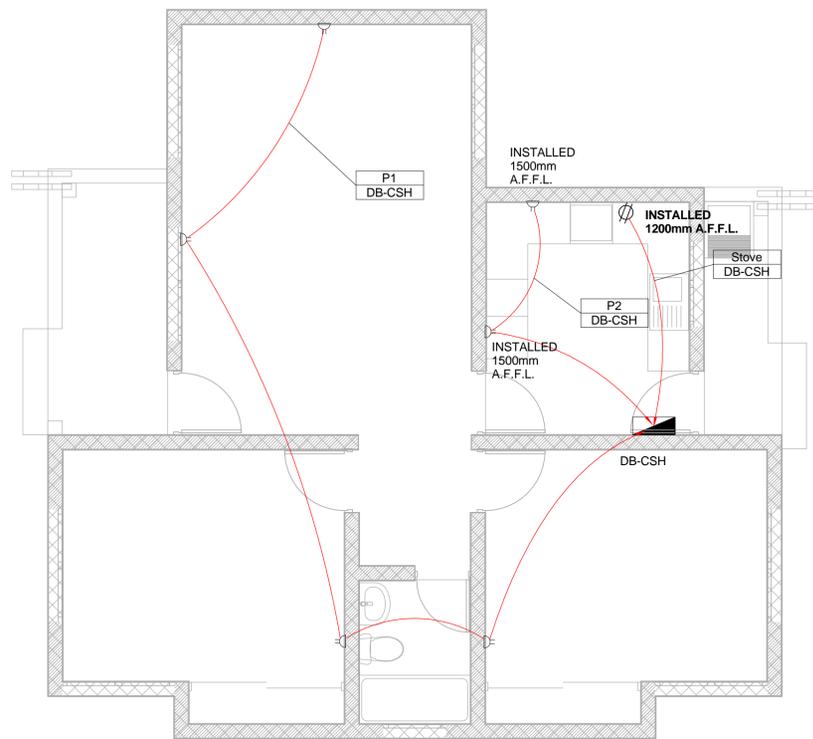
**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

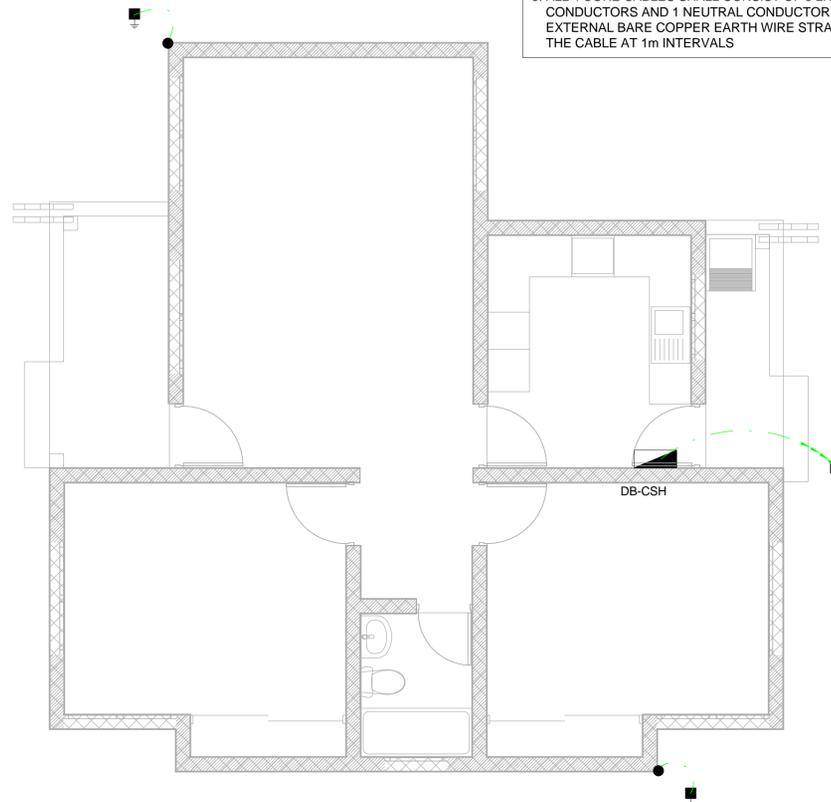
DRAWING DESCRIPTION  
**Resettlement Village Clinic Staff Housing Small Power and Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0048	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00104-01	

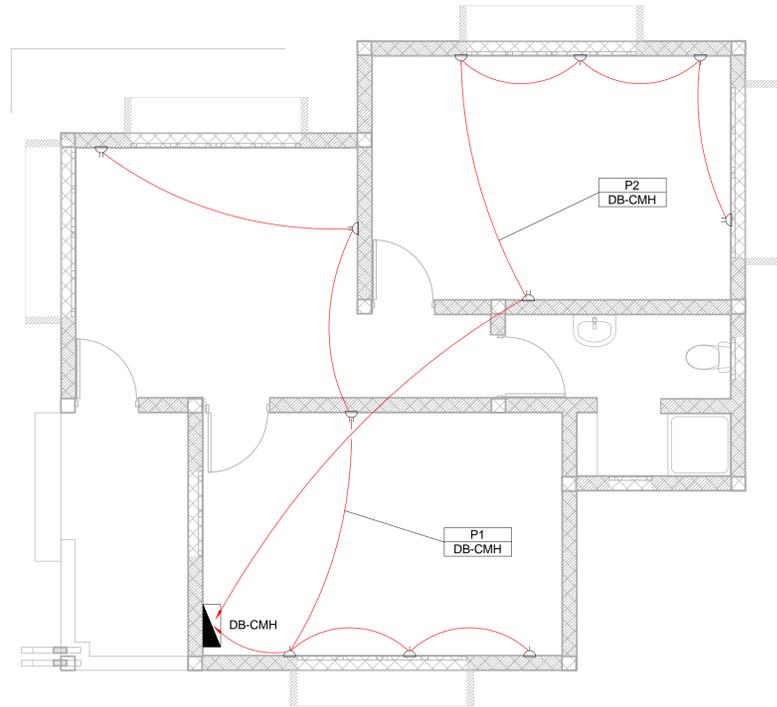
1 Lighting Layout - Clinic Staff Housing  
1 : 50



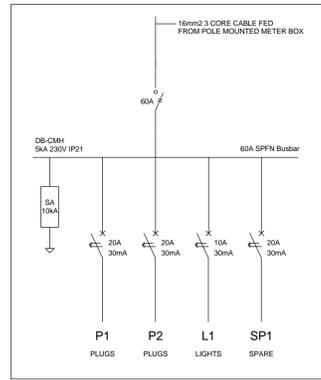
2 Power Layout - Clinic Staff Housing  
1 : 50



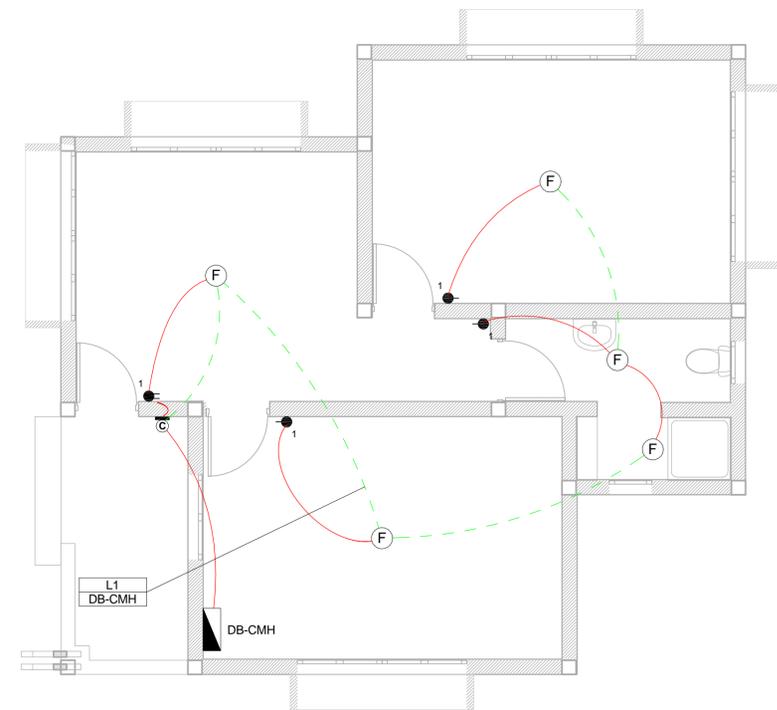
3 Earthing Layout - Clinic Staff Housing  
1 : 50



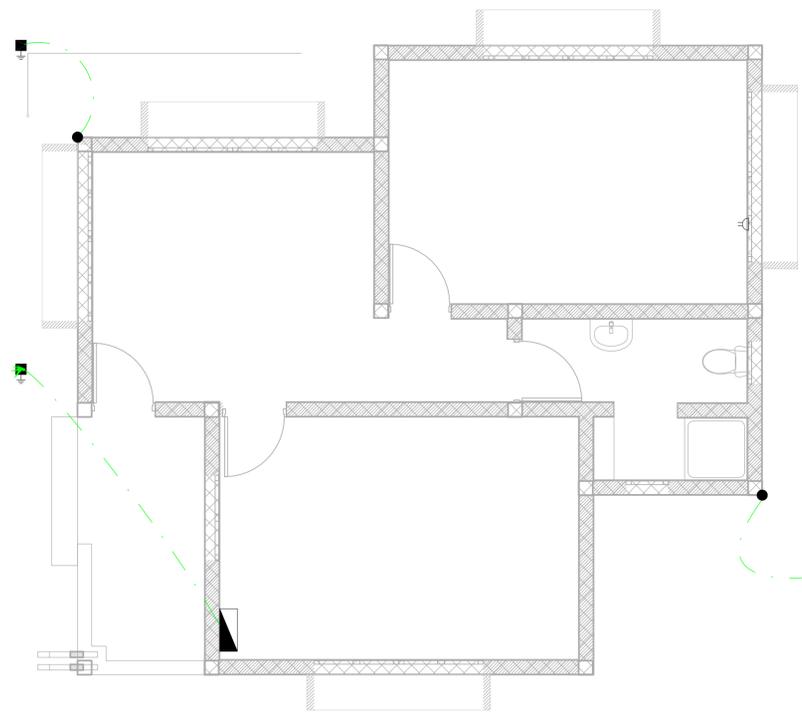
1 Power Layout - Clinic Mothers Housing  
1 : 50



4 Schematic - Clinic Mothers Housing  
1 : 20



3 Lighting Layout - Clinic Mothers Housing  
1 : 50



2 Earthing Layout - Clinic Mothers Housing  
1 : 50

**SMALL POWER LEGEND**

- △ SINGLE SOCKET OUTLET
- ⊕ DOUBLE SOCKET OUTLET
- ▲ VOIP DATA POINT
- ▲ TV POINT
- ⊙ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD
- ⊗ DOUBLE POLE ISOLATOR
- ▭ 6U IT CABINET FOR VOIP
- ▭ 50mm SLEEVE
- ▭ 25mm CONDUIT

**LIGHTING LEGEND**

- ⊙ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS \*POLE AND LS122 \*LIGHT FROM RADIANT)
- ⊙ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
- ⊙ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- ⊙ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RIT-136-ELB)
- ⊙ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊙ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RIT-136-ELB)
- ⊙ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊙ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- ⊙ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD LOCATION
- ⊗ DOUBLE POLE ISOLATOR
- ⊙ PHOTOCELL

**EARTHING LEGEND**

- CADWELDED CONNECTION
- 3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
- DOWN CONDUCTOR
- 70MM² BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS

**SCHEMATICS LEGEND**

- SINGLE PHASE SWITCH
- SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- SINGLE PHASE SWITCH DISCONNECTOR
- SINGLE PHASE CIRCUIT BREAKER
- SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- THREE PHASE SWITCH
- THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- THREE PHASE SWITCH DISCONNECTOR
- THREE PHASE CIRCUIT BREAKER
- THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- RCBO PROTECTION

**CONDUCTOR LEGEND**

- 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
- 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
- 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
- ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
- ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS



**NOTES**

- ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.
- EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
- LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
- LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
- A MINIMUM OF TWO 70mm² BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticalation - LV (Overview)
C00290-00-EL-DES-0001-001	EA-MZ-CI0000-WOR-E02-00007-01
EA-MZ-CI0000-WOR-E02-00027-01	Typical Drawings Sheet 1
C00290-00-EL-DES-0001-002	EA-MZ-CI0000-WOR-E02-00027-02
EA-MZ-CI0000-WOR-E02-00027-02	Typical Drawings Sheet 2

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PR ENG: W Snyman 20050168		02/10/15
PROJECT ENG MANAGER: L Padayachee		02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Clinic Mothers Housing Small Power and Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0047	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00103-01	



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticulation - LV (Overview)
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2
EA-MZ-CI0000-WOR-E02-0007-01	
EA-MZ-CI0000-WOR-E02-0007-02	

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C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	26/11/15	TM	CB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		



PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Church Small Power and Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0046	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0100-WOR-E02-00102-01	

**SMALL POWER LEGEND**

- SINGLE SOCKET OUTLET
- DOUBLE SOCKET OUTLET
- ▲ VOIP DATA POINT
- ▲ TV POINT
- ⊕ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD
- ⊗ DOUBLE POLE ISOLATOR
- ▭ 6U IT CABINET FOR VOIP
- ▭ 50mm SLEEVE
- ▭ 25mm CONDUIT

**LIGHTING LEGEND**

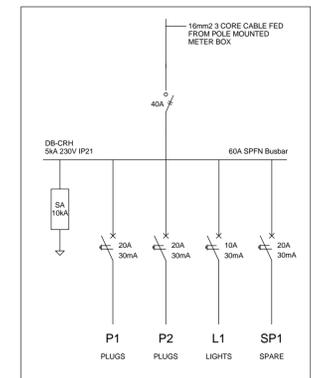
- ⊗ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
- ⊗ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
- ⊗ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- ⊗ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-136-ELB)
- ⊗ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊗ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
- ⊗ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- ⊗ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- ⊗ EQUAL OR BETTER THAN RADIANT TYPE LS986 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD LOCATION
- ⊗ DOUBLE POLE ISOLATOR
- ⊗ PHOTOCELL

**CONDUCTOR LEGEND**

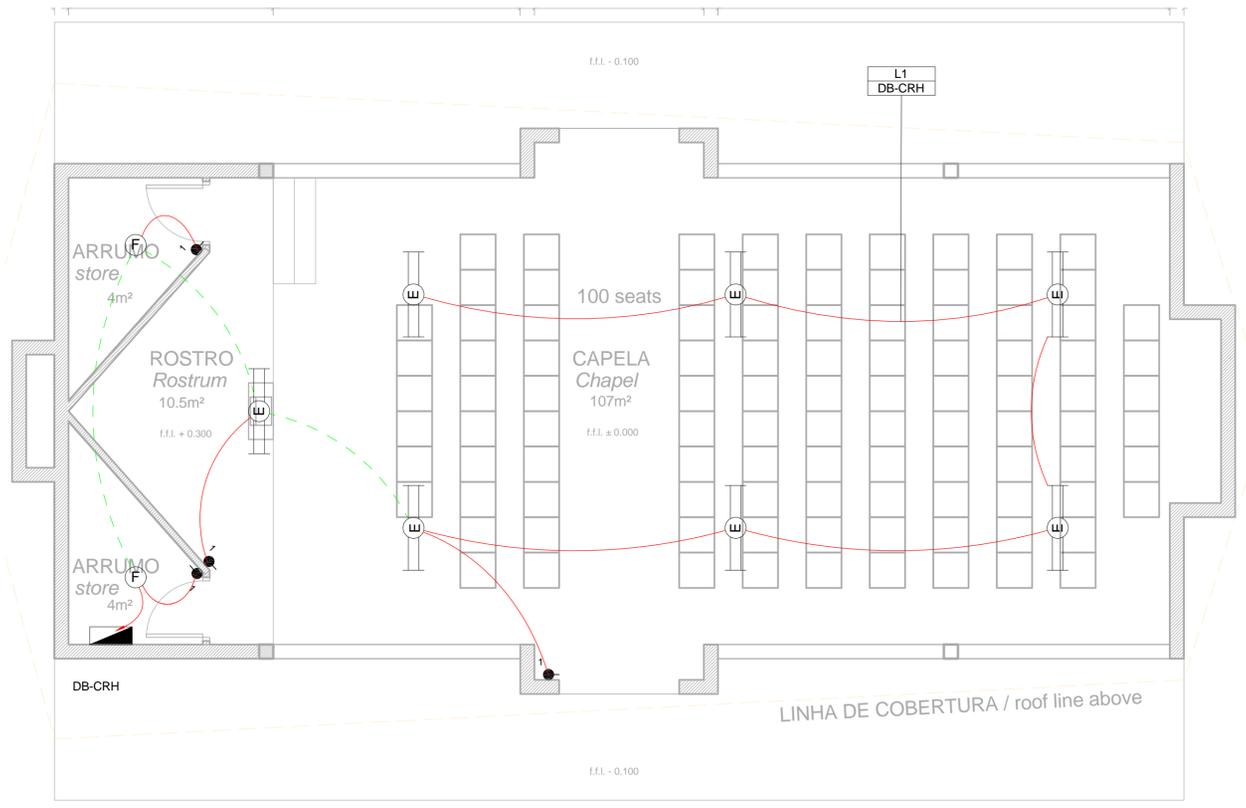
1. 2.5mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2. 4mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3. 6mm<sup>2</sup> CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

**SCHEMATICS LEGEND**

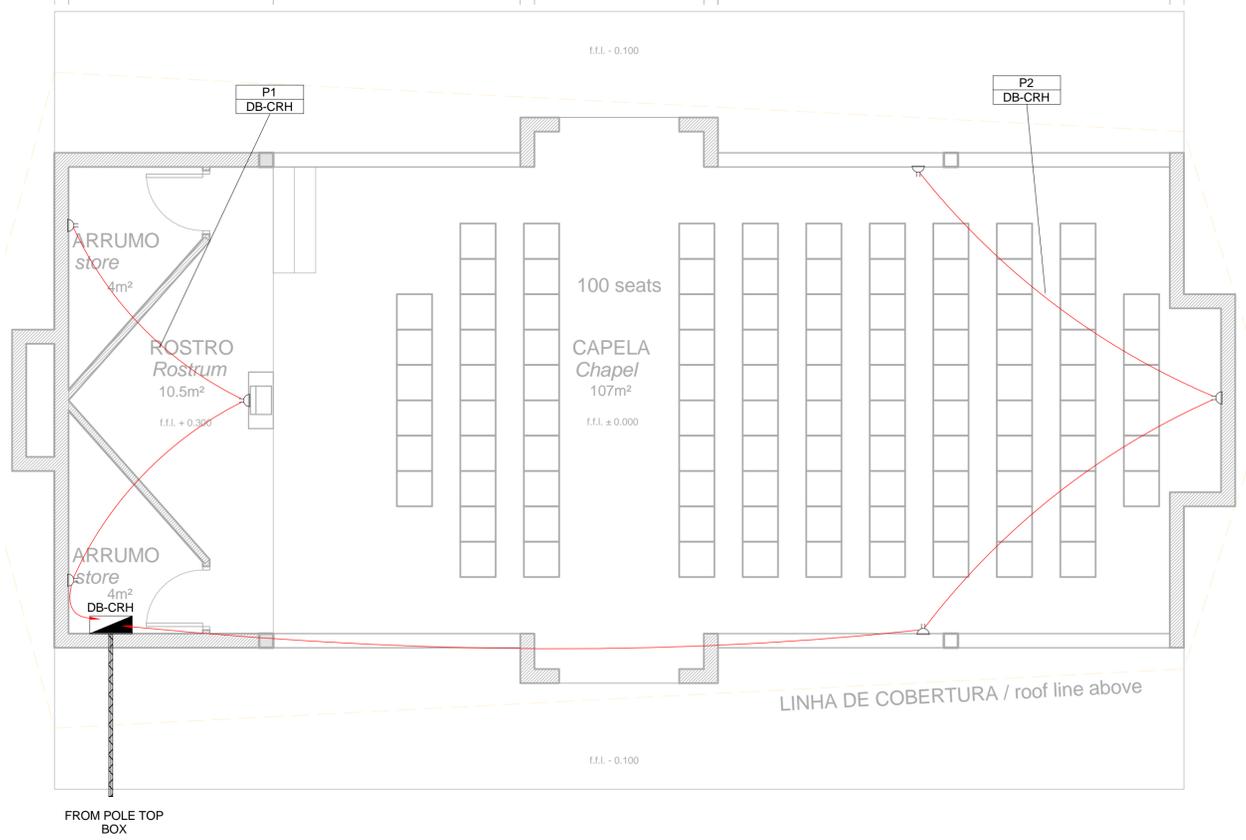
- ⊗ SINGLE PHASE SWITCH
- ⊗ SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- ⊗ SINGLE PHASE SWITCH DISCONNECTOR
- ⊗ SINGLE PHASE CIRCUIT BREAKER
- ⊗ SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- ⊗ THREE PHASE SWITCH
- ⊗ THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- ⊗ THREE PHASE SWITCH DISCONNECTOR
- ⊗ THREE PHASE CIRCUIT BREAKER
- ⊗ THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- ⊗ RCBO PROTECTION



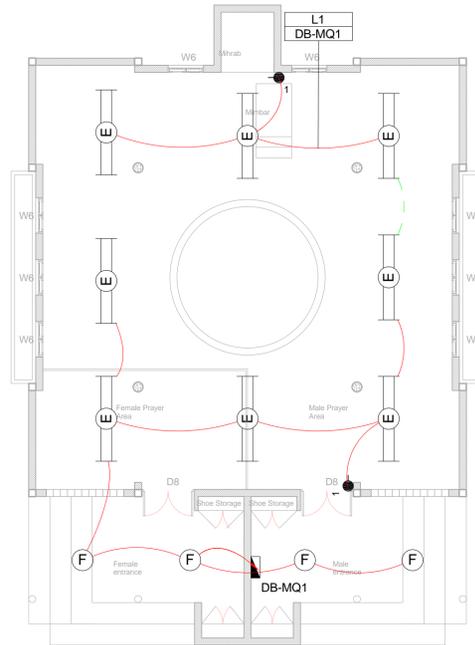
**3 Schematic - Church**  
1 : 20



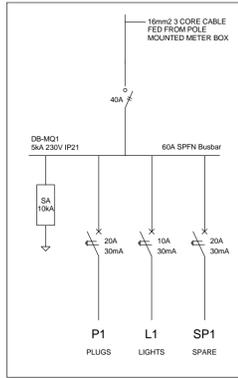
**1 Lighting Layout - Church**  
1 : 50



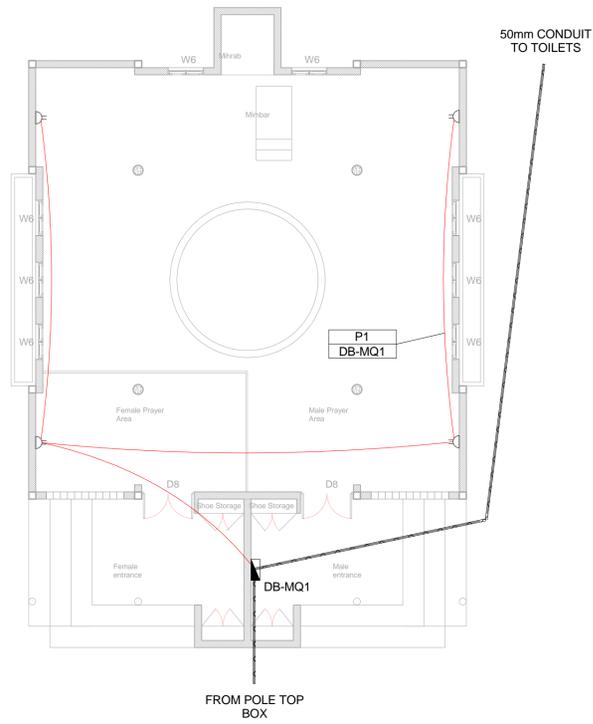
**2 Power Layout - Church**  
1 : 50



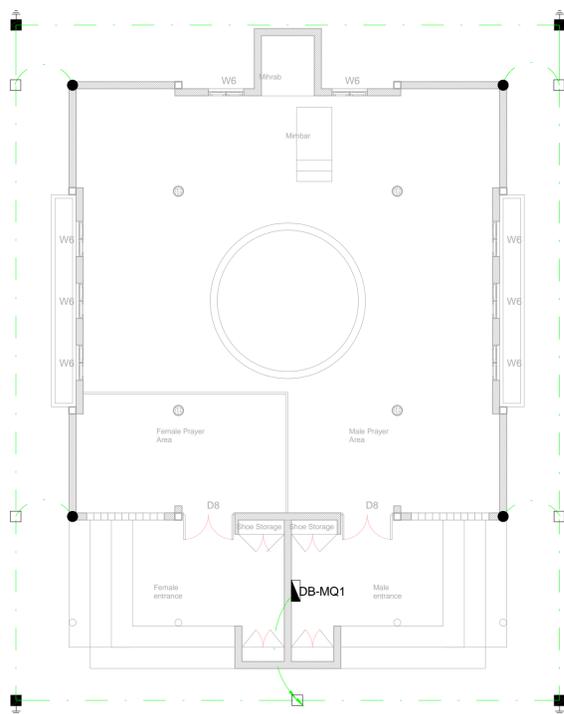
1 Lighting Layout - Big Mosque  
1 : 100



3 Schematic - Big Mosque  
1 : 20



2 Power Layout - Big Mosque  
1 : 100



4 Earthing Layout - Big Mosque  
1 : 100

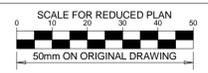
SMALL POWER LEGEND		LIGHTING LEGEND	
△	SINGLE SOCKET OUTLET	●	2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS 'POLE' AND LS122 'LIGHT' FROM RADIANT)
△	DOUBLE SOCKET OUTLET	⊙	2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M SCORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
▲	VOIP DATA POINT	⊙	1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
▲	TV POINT	⊙	1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI7-136-ELB)
⊙	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.	⊙	1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
●	LIGHT SWITCH	⊙	2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI7-136-ELB)
●	2-WAY LIGHT SWITCH	⊙	2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
■	DISTRIBUTION BOARD	⊙	1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINAIRES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
⊙	DOUBLE POLE ISOLATOR	⊙	EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
■	6U IT CABINET FOR VOIP	●	ONE LEVER LIGHT SWITCH
▬	50mm SLEEVE	●	TWO LEVER LIGHT SWITCH
▬	25mm CONDUIT	●	THREE LEVER LIGHT SWITCH
		●	2-WAY LIGHT SWITCH
		■	DISTRIBUTION BOARD LOCATION
		⊙	DOUBLE POLE ISOLATOR
		⊙	PHOTOCELL

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 296 FOR OVERVIEW

SCHEMATICS LEGEND	
⊙	SINGLE PHASE SWITCH
⊙	SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
⊙	SINGLE PHASE SWITCH DISCONNECTOR
⊙	SINGLE PHASE CIRCUIT BREAKER
⊙	SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
⊙	THREE PHASE SWITCH
⊙	THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
⊙	THREE PHASE SWITCH DISCONNECTOR
⊙	THREE PHASE CIRCUIT BREAKER
⊙	THREE PHASE CIRCUIT BREAKER FOR ISOLATION
⊙	RCBO PROTECTION

EARTHING LEGEND	
□	CADWELDED CONNECTION
■	3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
●	DOWN CONDUCTOR
---	70MM2 BARE COPPER EARTH WIRE

CONDUCTOR LEGEND	
1.	2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
2.	4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
3.	6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
4.	ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
5.	ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS



NOTES	
1.	ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.
2.	EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
3.	LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
4.	LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY
5.	A MINIMUM OF TWO 70mm2 BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticalation - LV (Overview)
C00290-00-EL-DES-0001-001	Typical Drawings Sheet 1
C00290-00-EL-DES-0001-002	Typical Drawings Sheet 2

REVISIONS				
NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	28/09/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	26/11/15	TM	CB	Issued for Client Approval
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DRAWN BY: S Bedasie	<i>S Bedasie</i>	28/09/15
CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman 20050168	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

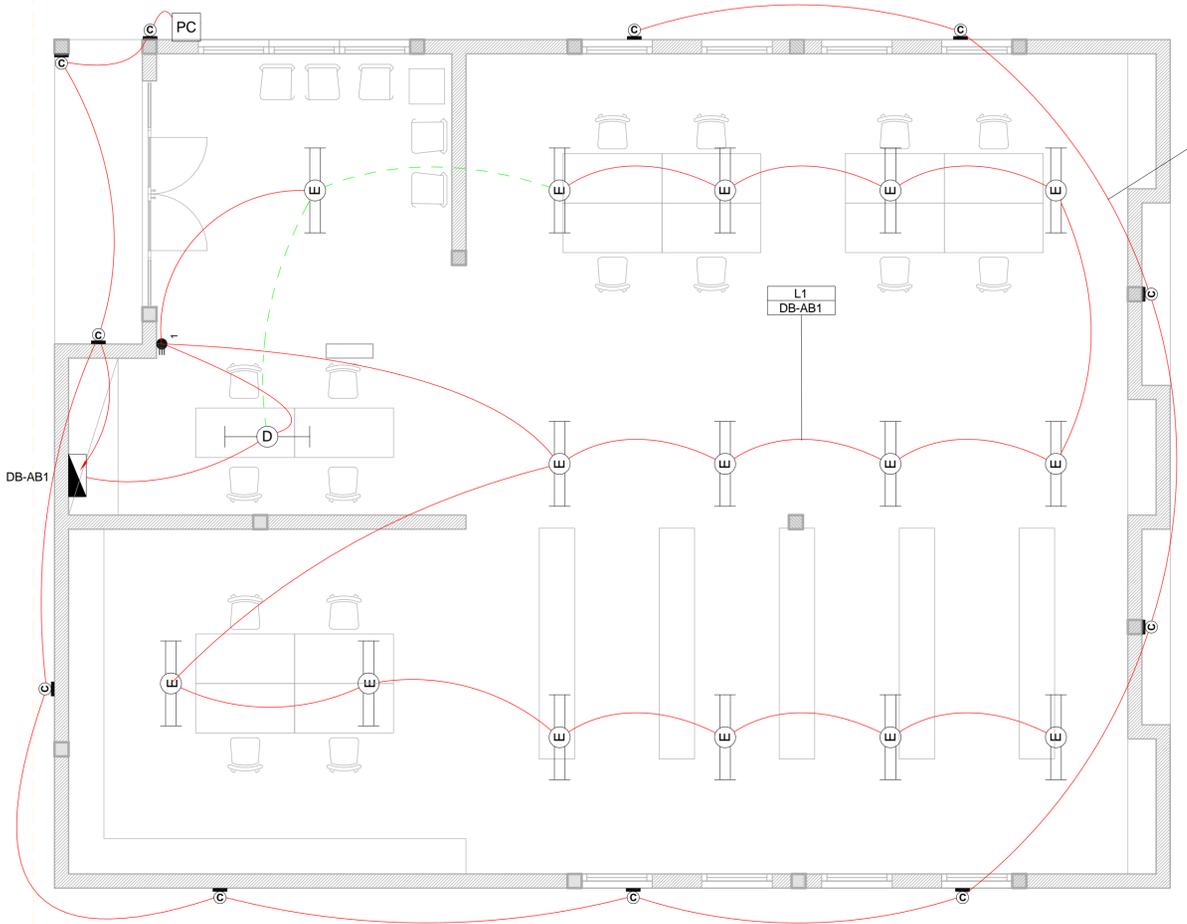
**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

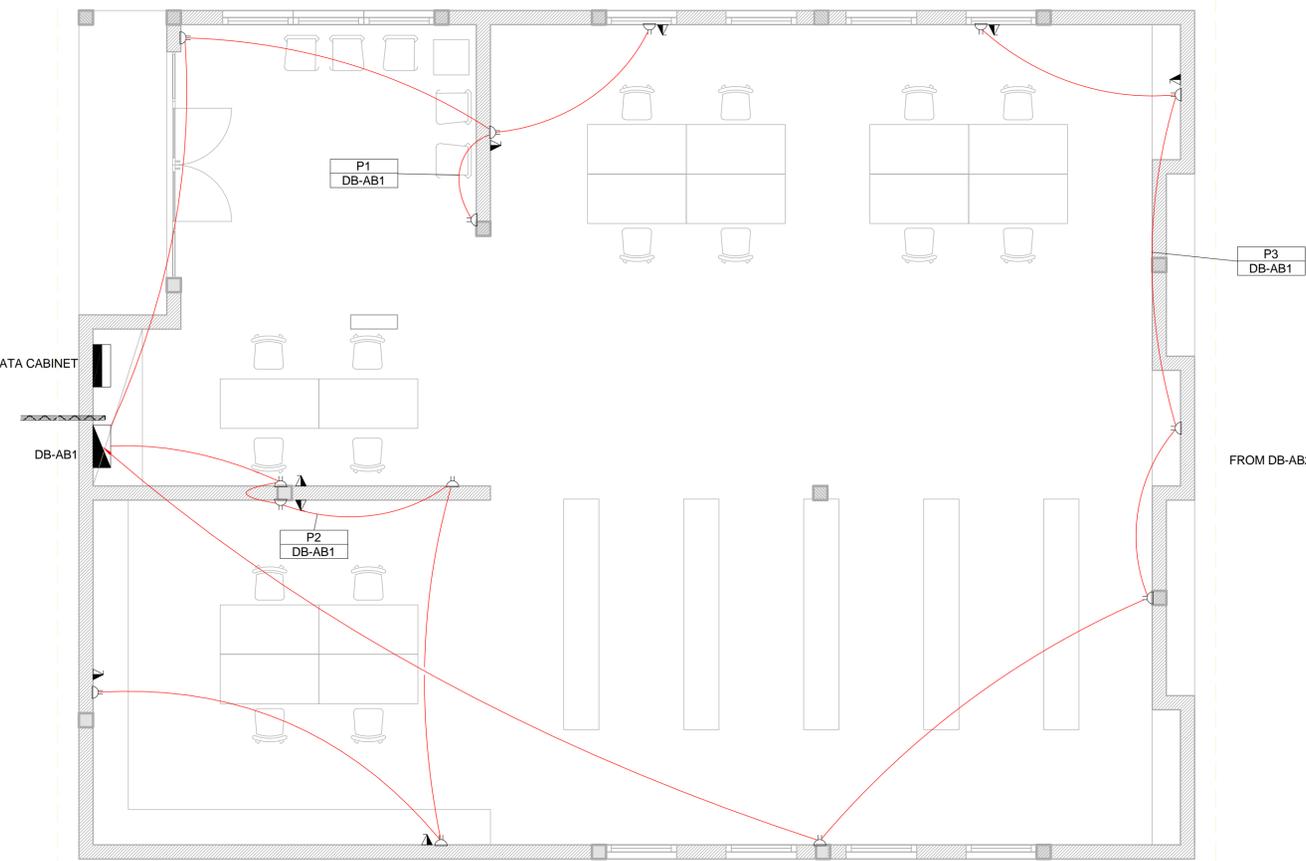
PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Big Mosque Small Power and Lighting**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0045	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E02-00101-01	



1 Lighting Layout - Admin Block 1  
1 : 50



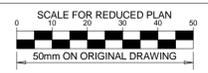
2 Power Layout - Admin Block 1  
1 : 50

**SMALL POWER LEGEND**

- △ SINGLE SOCKET OUTLET
- △ DOUBLE SOCKET OUTLET
- ▲ VOIP DATA POINT
- ▲ TV TV POINT
- Ⓟ POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.
- LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD
- ▭ DOUBLE POLE ISOLATOR
- ▭ 6U IT CABINET FOR VOIP
- ▭ 50mm SLEEVE
- ▭ 25mm CONDUIT

**LIGHTING LEGEND**

- Ⓛ 2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS, THE LUMINAIRES WILL BE SUITABLE FOR WALL & OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED, (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS \*POLE\* AND LS122 \*LIGHT\* FROM RADIANT)
- Ⓛ 2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
- Ⓛ 1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
- Ⓛ 1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-136-ELB)
- Ⓛ 1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- Ⓛ 2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RI/T-236-ELB)
- Ⓛ 2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
- Ⓛ 1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINARIES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
- Ⓛ EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
- ONE LEVER LIGHT SWITCH
- TWO LEVER LIGHT SWITCH
- THREE LEVER LIGHT SWITCH
- 2W 2-WAY LIGHT SWITCH
- ▭ DISTRIBUTION BOARD LOCATION
- ▭ DOUBLE POLE ISOLATOR
- ▭ PHOTOCELL



**NOTES**

1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Reticulation - LV (Overview)
C00290-00-EL-DAL-0031	Admin Block 2 Small Power and Lighting
EA-MZ-CI0100-WOR-E02-00435-01	Typical Drawings Sheet 2

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NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	03/08/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
C	02/10/15	TM	SB	Issued for Squad Check
D	09/10/15	TM	CB	Issued for Client Review
E	06/11/15	TM	SB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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NAME	SIGNATURE	DATE
DRAWN BY: S Bedasie	<i>S Bedasie</i>	31/07/15
CHECKED: T Meyer	<i>T Meyer</i>	02/10/15
DESIGNER: C Brandsen	<i>C Brandsen</i>	28/09/15
PR ENG: W Snyman 20050168	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

**AMA1 RESETTLEMENT VILLAGE**

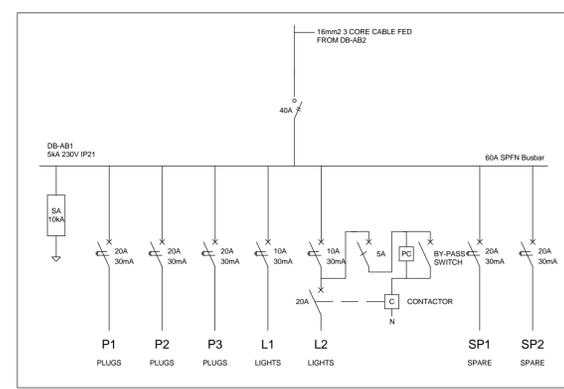
DRAWING DESCRIPTION

**Resettlement Village Admin Block 1 Small Power and Lighting**

SCALE As indicated ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
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DRAWING NUMBER C00290-00-EL-DAL-0030	REV NO 0
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ANADARKO DRAWING NUMBER  
EA-MZ-CI0100-WOR-E02-00430-01



3 Schematic - Admin Block 1  
1 : 20

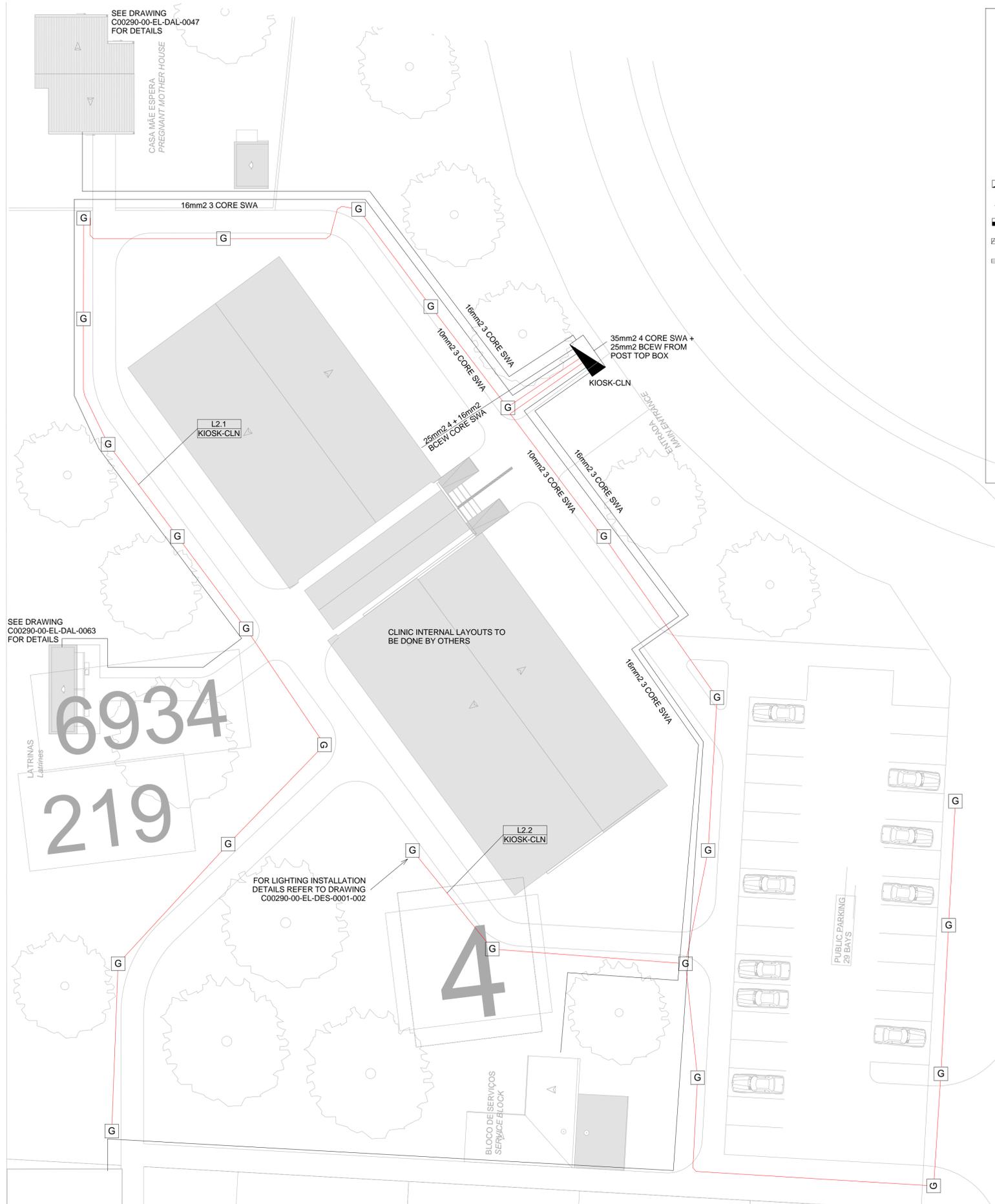
**SCHEMATICS LEGEND**

- Ⓛ SINGLE PHASE SWITCH
- Ⓛ SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- Ⓛ SINGLE PHASE SWITCH DISCONNECTOR
- Ⓛ SINGLE PHASE CIRCUIT BREAKER
- Ⓛ SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- Ⓛ THREE PHASE SWITCH
- Ⓛ THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
- Ⓛ THREE PHASE SWITCH DISCONNECTOR
- Ⓛ THREE PHASE CIRCUIT BREAKER
- Ⓛ THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- Ⓛ RCBO PROTECTION

**CONDUCTOR LEGEND**

- 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
- 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
- 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
- ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
- ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS

NOTE:  
SEE DRAWING C00290-00-EL-DAL-0009,  
STAND NUMBER 243 FOR OVERVIEW

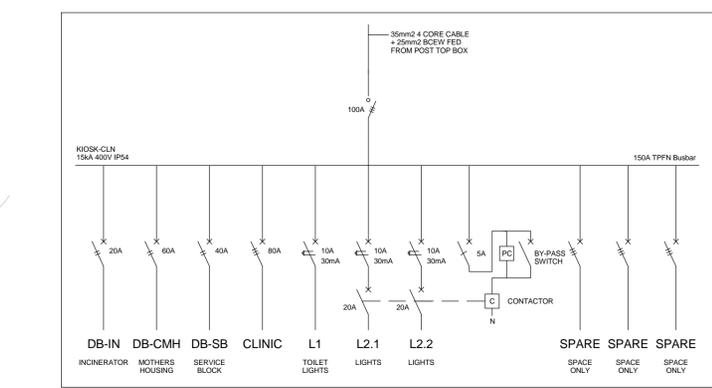


1 Site Lighting & Power Layout - Clinic  
1 : 200

SMALL POWER LEGEND		LIGHTING LEGEND	
	SINGLE SOCKET OUTLET		2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECG & COOL WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED. (THE POLE AND THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED THAN PS76MS "POLE" AND LS122 "LIGHT" FROM RADIANT)
	DOUBLE SOCKET OUTLET		2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGHT, WITH ECG, HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74
	VOIP DATA POINT		1X 26W COMPACT FLUORESCENT WALL/CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
	TV POINT		1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RIT-136-ELB)
	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.		1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
	LIGHT SWITCH		2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN LASCON TYPE RIT-136-ELB)
	2-WAY LIGHT SWITCH		2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMINAIRE WITH TRIPHOSPHOR LAMPS AND ECG
	DISTRIBUTION BOARD		1x 18W COMPACT FLUORESCENT CEILING MOUNTED LUMINARIES WITH COOL WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT TYPE JL25)
	DOUBLE POLE ISOLATOR		EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON A 4M GALVANIZED STEEL POLE.
	6U IT CABINET FOR VOIP		ONE LEVER LIGHT SWITCH
	50mm SLEEVE		TWO LEVER LIGHT SWITCH
	25mm CONDUIT		THREE LEVER LIGHT SWITCH
			2-WAY LIGHT SWITCH
			DISTRIBUTION BOARD LOCATION
			DOUBLE POLE ISOLATOR
			PHOTOCELL

CONDUCTOR LEGEND	
1. 2.5mm² CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS	
2. 4mm² CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS	
3. 6mm² CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS	
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR	
5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS	

SCHEMATICS LEGEND	
	SINGLE PHASE SWITCH
	SINGLE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
	SINGLE PHASE SWITCH DISCONNECTOR
	SINGLE PHASE CIRCUIT BREAKER
	SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
	THREE PHASE SWITCH
	THREE PHASE DISCONNECTOR ( OFF LOAD ISOLATOR)
	THREE PHASE SWITCH DISCONNECTOR
	THREE PHASE CIRCUIT BREAKER
	THREE PHASE CIRCUIT BREAKER FOR ISOLATION
	RCBO PROTECTION



2 Schematic - Clinic Site Kiosk  
1 : 20

NOTE: SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 219 FOR OVERVIEW



NOTES	
1. POWER CABLES SHALL BE BURIED DIRECTLY AT A MINIMUM OF 600mm BELOW GRADE	
2. WHERE POWER CABLES ARE BURIED BELOW A ROAD CROSSING OR PATHWAY, 2x 110mm SLEEVES SHALL BE INSTALLED	
3. WHERE SPECIFIED ON THE DRAWING, CONDUITS/SLEEVES SHALL BE INSTALLED	

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0009	Site Electrical Retention - LV (Overview)
C00290-00-EL-DAL-0047	Clinic Mothers Housing Small Power and Lighting
EA-MZ-CI0100-WOR-E02-00103-01	Public Toilets Lighting Layout
C00290-00-EL-DAL-0063	EA-MZ-CI0100-WOR-E02-00108-01
C00290-00-EL-DES-0001-002	EA-MZ-CI0000-WOR-E02-00027-02
	Typical Drawings Sheet 2

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NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	16/10/15	TM	CB	Issued for Peer Review
B	16/10/15	TM	CB	Issued for Detailed Design
C	21/10/15	TM	SB	Issued for Squad Check
D	23/10/15	TM	CB	Issued for Client Review
E	17/11/15	TM	CB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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PR ENG: W Snyman 20050168		21/10/15
PROJECT ENG MANAGER: L Padayachee		21/10/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE GAS DEVELOPMENT PROJECT**

**Anadarko**  
Mozambique Area 1, Lda

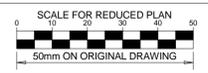
PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Clinic Site Power and Lighting Layout**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER	REV NO
C00290-00-EL-DAL-0064	0
ANADARKO DRAWING NUMBER	
EA-MZ-CI0000-WOR-E02-00026-01	



EARTHING LEGEND	
	CADWELDED CONNECTION
	3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
	DOWN CONDUCTOR
	70MM2 BARE COPPER EARTH WIRE



- ### NOTES
- BARE COPPER EARTH WIRE INSTALLED 1.5M FROM FENCE AND 0.6M BELOW FINISHED GROUND LEVEL.
  - LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY AND LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING PROTECTION SYSTEMS
  - A MINIMUM OF TWO 70mm2 BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS
  - SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DES-0001-001	Typical Drawings Sheet 1
EA-MZ-CI0000-WOR-E02-00027-01	

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A	28/09/15	TM	SB	Issued for Peer Review
B	28/09/15	TM	SB	Issued for Detailed Design
C	14/10/15	TM	SB	Issued for Squad Check
D	16/10/15	TM	CB	Issued for Client Review
E	17/11/15	TM	CB	Issued for Client Approval
0	04/12/15	TM	SB	Issued for Construction

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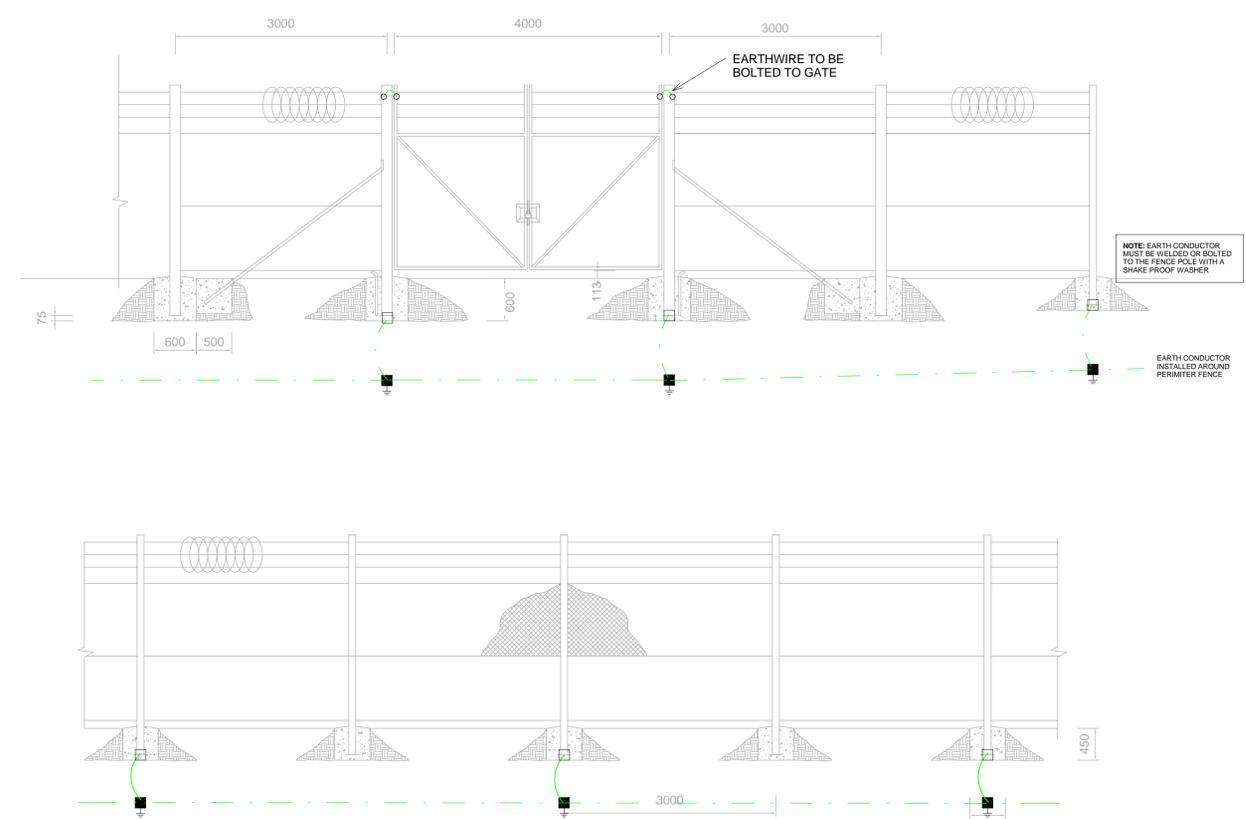
NAME	SIGNATURE	DATE
DRAWN BY: C Brandsen		10/09/15
CHECKED: T Meyer		02/10/15
DESIGNER: C Brandsen		02/10/15
PR ENG: W Snyman 20050168		02/10/15
PROJECT ENG MANAGER: L Padayachee		02/10/15
LOCAL PR ENG:		
CLIENT:		



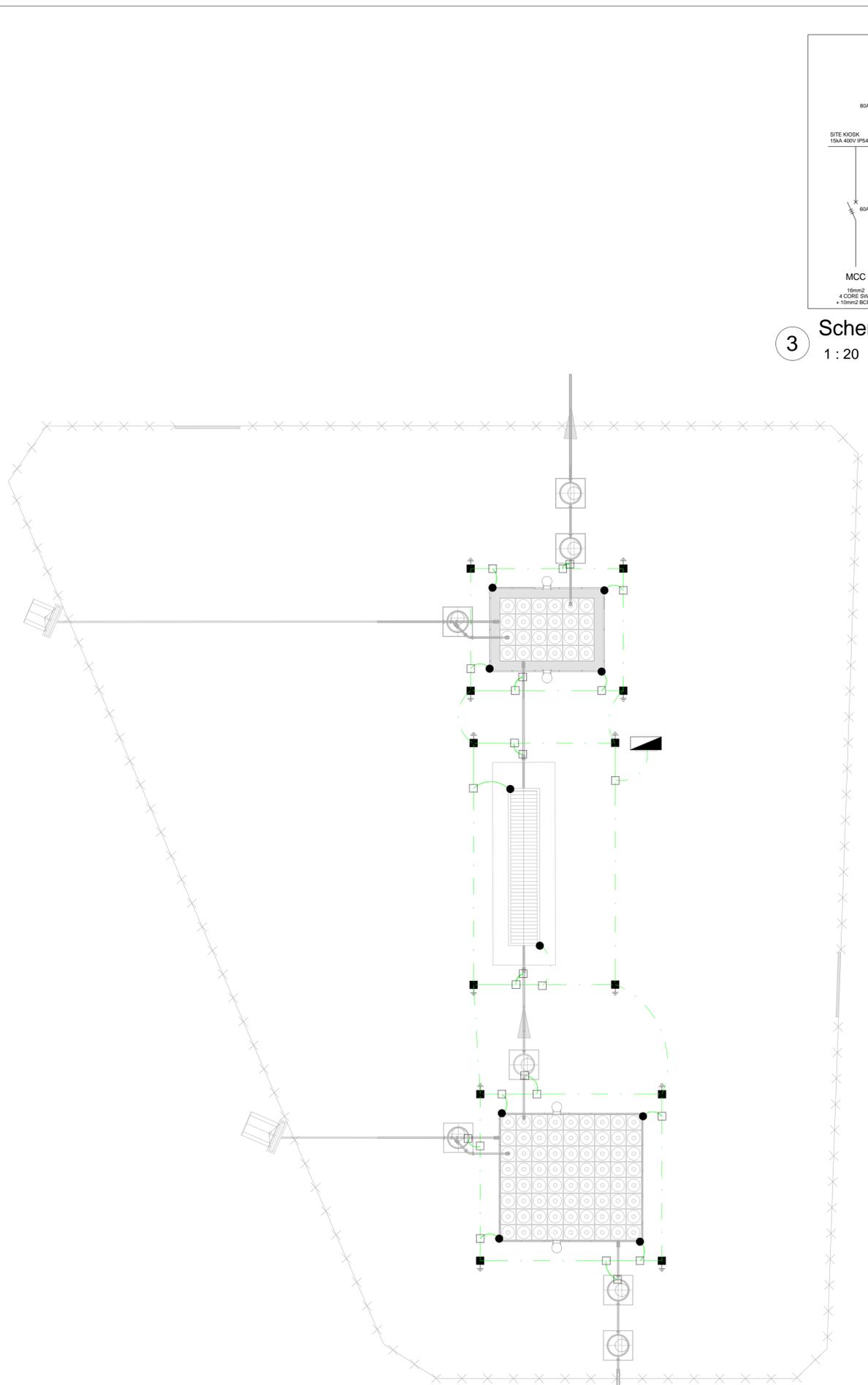
PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Well Fence Earthing**

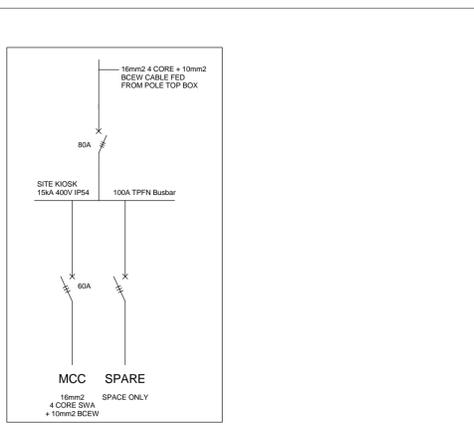
SCALE As indicated ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0043	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E02-00024-01	



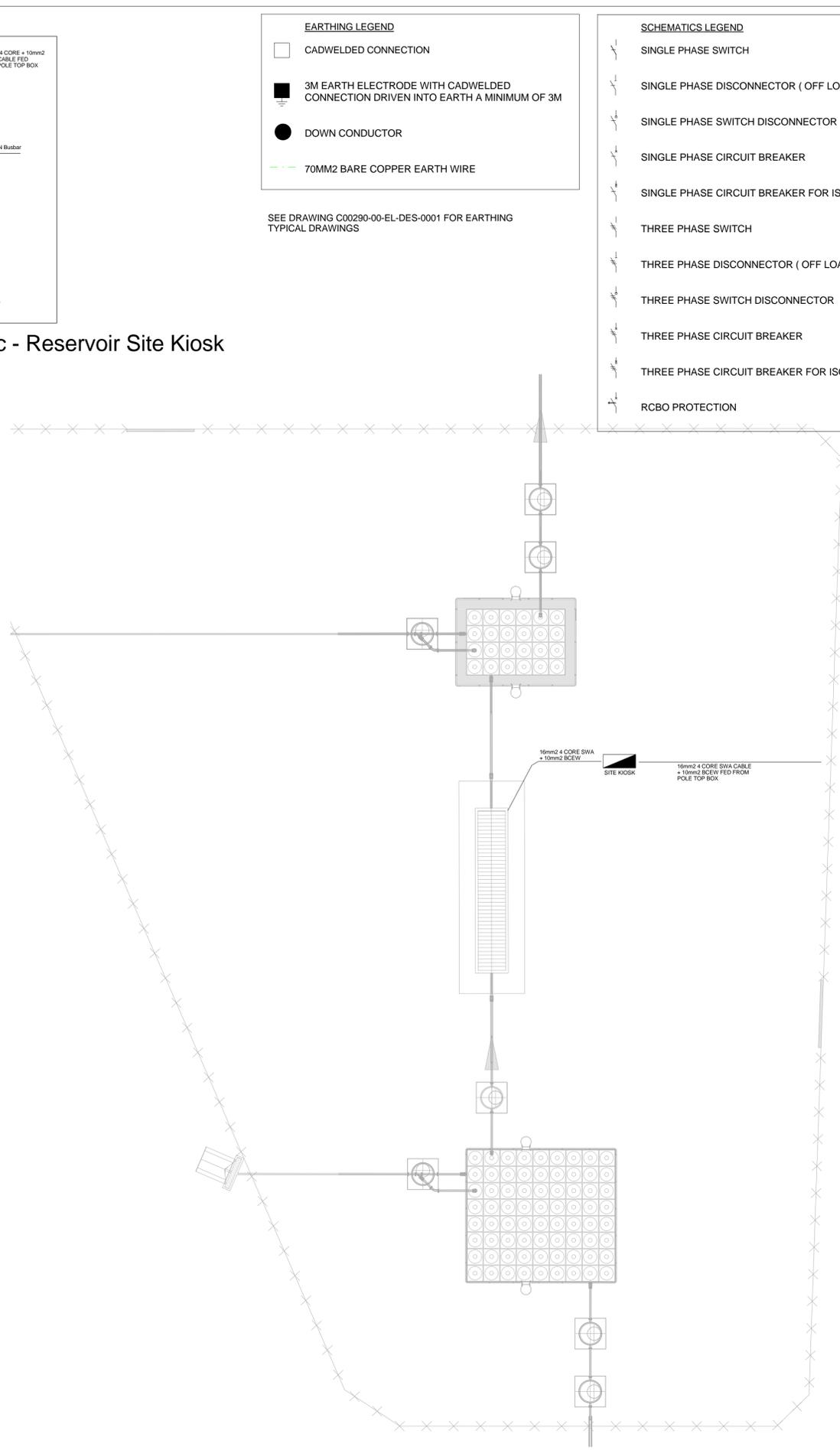
1 Earthing Layout - Well Fence  
1 : 50



**1** Earthing Layout - Reservoir  
1 : 200



**3** Schematic - Reservoir Site Kiosk  
1 : 20



**2** Power Layout - Reservoir  
1 : 200

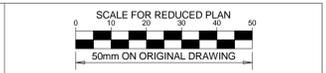
**EARTHING LEGEND**

- CADWELDED CONNECTION
- 3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M
- DOWN CONDUCTOR
- 70MM² BARE COPPER EARTH WIRE

SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS

**SCHEMATICS LEGEND**

- SINGLE PHASE SWITCH
- SINGLE PHASE DISCONNECTER ( OFF LOAD ISOLATOR)
- SINGLE PHASE SWITCH DISCONNECTOR
- SINGLE PHASE CIRCUIT BREAKER
- SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- THREE PHASE SWITCH
- THREE PHASE DISCONNECTER ( OFF LOAD ISOLATOR)
- THREE PHASE SWITCH DISCONNECTOR
- THREE PHASE CIRCUIT BREAKER
- THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- RCBO PROTECTION



- NOTES**
- EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm
  - DOWN CONDUCTORS FITTED TO STRUCTURES WILL BE DONE AS FOLLOWS:
    - A) SCREWED TO EARTHING TABS WELDED ONTO METAL STRUCTURES FOR THE PURPOSE OF EARTHING.
    - B) CADWELDED TO PROVIDE A PERMANENT FIXING METHOD.
  - POWER CABLES SHALL BE BURIED DIRECTLY AT A MINIMUM OF 600mm BELOW GRADE

DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
C00290-00-EL-DAL-0005	Site Electrical Reticulation - MV (Overview)
C00290-00-EL-DES-0001-001	Typical Drawings Sheet 1
EA-MZ-CI0000-WOR-E02-00027-01	

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D	16/10/15	TM	CB	Issued for Client Review
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0	04/12/15	TM	SB	Issued for Construction

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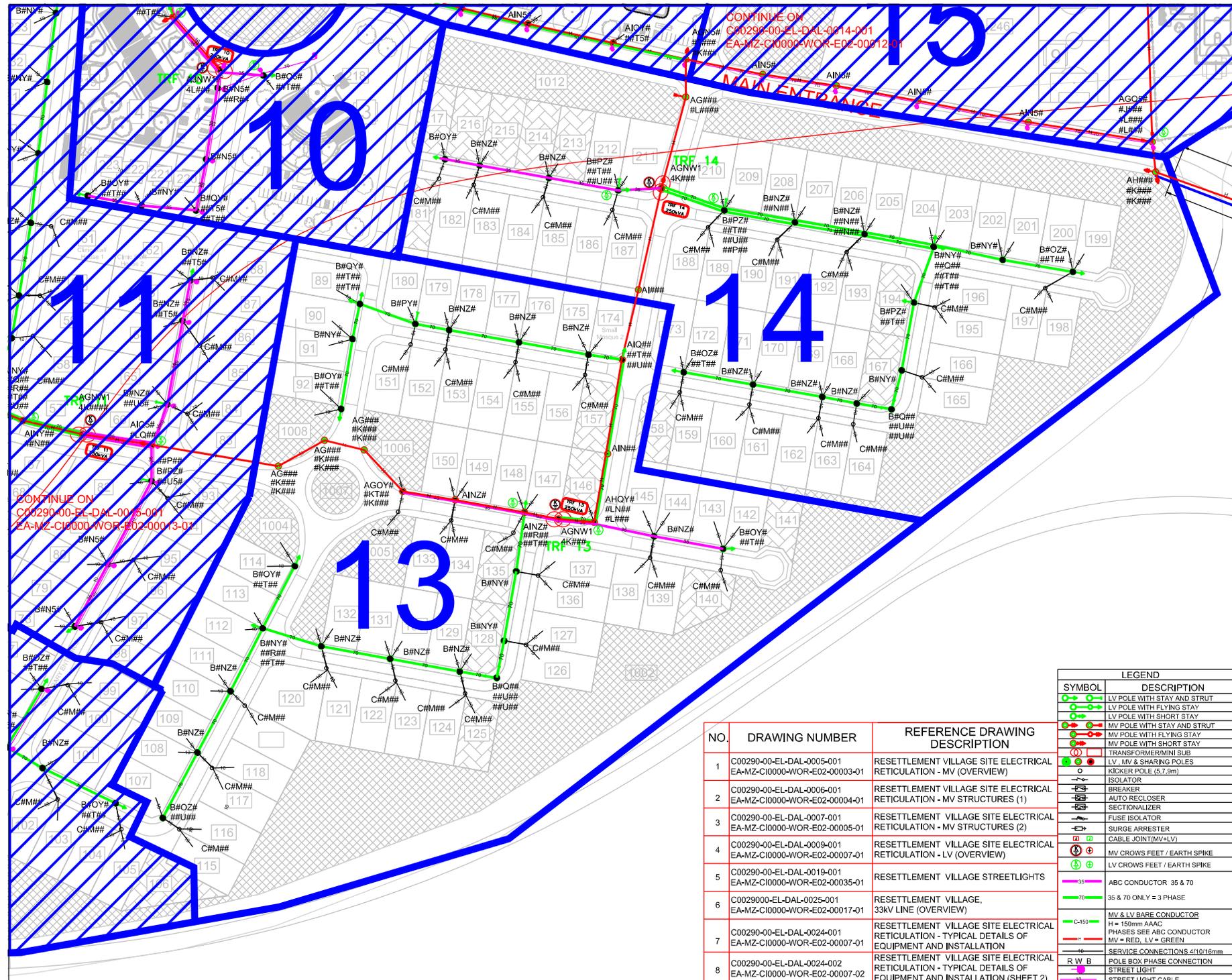
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PR ENG: W Snyman 20050168	<i>W Snyman</i>	02/10/15
PROJECT ENG MANAGER: L Padayachee	<i>L Padayachee</i>	02/10/15
LOCAL PR ENG:		
CLIENT:		



PROJECT  
**AMA1 RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**Resettlement Village Reservoir Power and Earthing Installation**

SCALE	DATE
As indicated ORIGINAL DWG SIZE A1	DECEMBER 2015
DRAWING NUMBER C00290-00-EL-DAL-0042	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E02-00023-01	



**NOTES**

1. FOR POLE STRUCTURE CODES REFER TO C00290-00-EL-DAL-0006-01  
EA-MZ-CI0000-WOR-E02-00004-01

KEYPLAN  
SCALE: N.T.S.

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NO.	DATE	CHECKED BY	DESCRIPTION
A	23/07/15	TM	ISSUED FOR INTERNAL REVIEW
B	23/07/15	TM	ISSUED FOR DETAILED DESIGN
C	17/08/15	TM	ISSUED FOR SQUAD CHECK
D	20/10/15	GM	ISSUED FOR CLIENT REVIEW
E	20/11/15	GM	ISSUED FOR CLIENT APPROVAL
O	03/12/15	TM	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
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CHECKED: T Meyer		30/09/2015
DESIGNER: C Brandon		30/09/2015
PROJECT MGR: J Phetlha		30/09/2015
PROJECT ENG: L Padayachee		30/09/2015
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

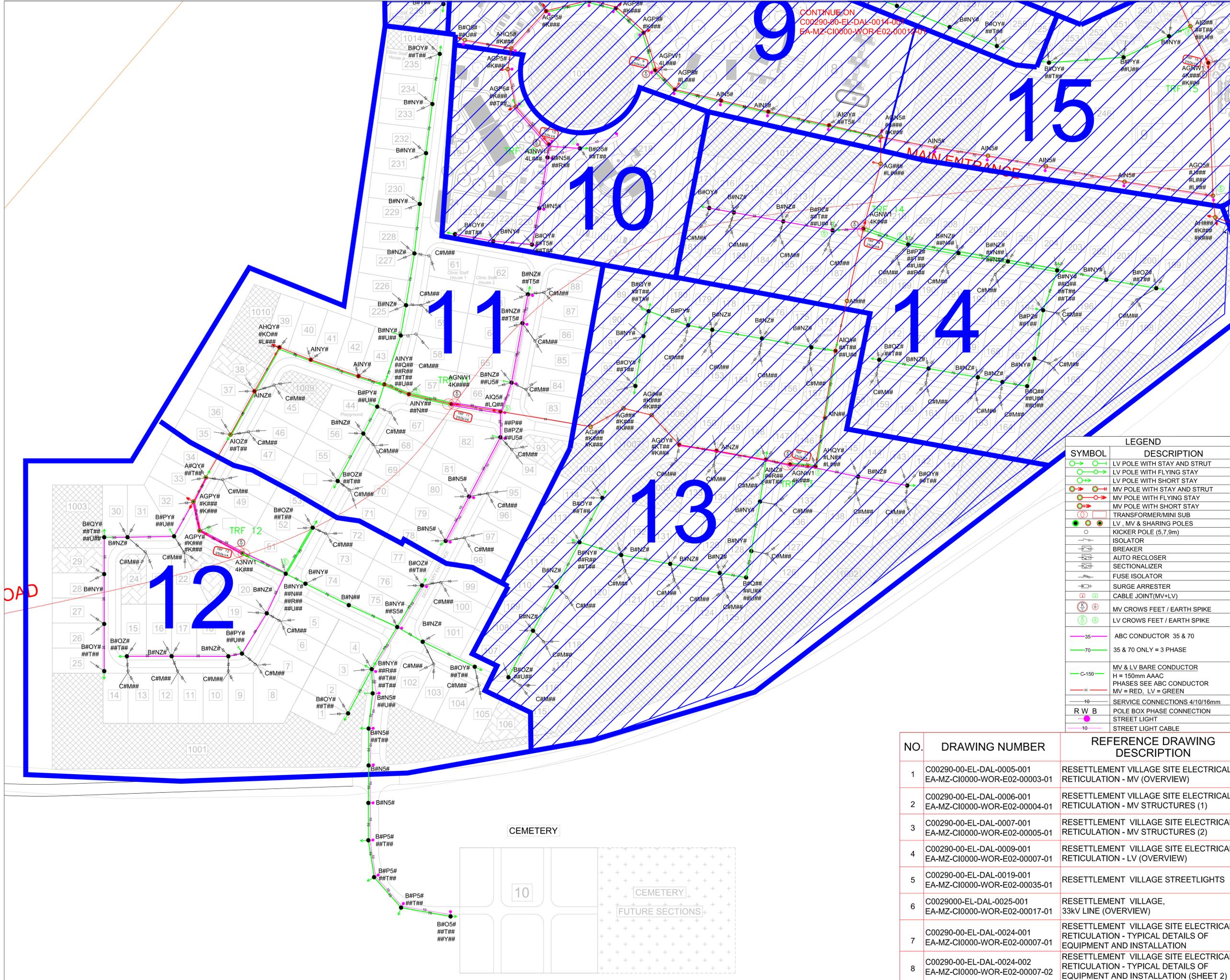
DRAWING DESCRIPTION  
**RESETTLEMENT VILLAGE  
SITE ELECTRICAL  
RETICULATION -  
LV (ZONE 13 + 14)**

SCALE: N.T.S. DATE: 03/12/2015  
DRAWING NUMBER: C00290-00-EL-DAL-0016-001 REV NO: 0  
ANADARKO DRAWING NUMBER: EA-MZ-CI0000-WOR-E02-00015-01

NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0005-001 EA-MZ-CI0000-WOR-E02-00003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)
2	C00290-00-EL-DAL-0006-001 EA-MZ-CI0000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
3	C00290-00-EL-DAL-0007-001 EA-MZ-CI0000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
4	C00290-00-EL-DAL-0009-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)
5	C00290-00-EL-DAL-0019-001 EA-MZ-CI0000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
6	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33KV LINE (OVERVIEW)
7	C00290-00-EL-DAL-0024-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION
8	C00290-00-EL-DAL-0024-002 EA-MZ-CI0000-WOR-E02-00007-02	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2)

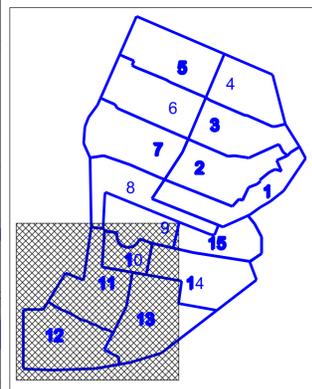
**LEGEND**

SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER(SUB)
	LV, MV & SHARING POLES
	KICKER POLE (5,7,9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT(MV-LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	ABC CONDUCTOR 35 & 70
	35 & 70 ONLY = 3 PHASE
	MV & LV BARE CONDUCTOR
	150mm AAC
	PHASES SEE ABC CONDUCTOR
	MV = RED, LV = GREEN
	SERVICE CONNECTIONS 4(10)16mm
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE



CONTINUE ON  
C00290-00-EL-DAL-0014-001  
EA-MZ-CI0000-WOR-E02-00012-01

NOTES  
1. FOR POLE STRUCTURE CODES REFER TO  
C00290-00-EL-DAL-0006-001  
EA-MZ-CI0000-WOR-E02-00004-01



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D	03/10/15	GM	MM	ISSUED FOR CLIENT REVIEW
D1	20/11/15	GM	MM	ISSUED FOR CLIENT REVIEW
E	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL
0	03/12/15	TM	MM	ISSUED FOR CONSTRUCTION

LEGEND

SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MINI SUB
	LV, MV & SHARING POLES
	KICKER POLE (5.7.9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT(MV+LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	35 ABC CONDUCTOR 35 & 70
	35 & 70 ONLY = 3 PHASE
	MV & LV BARE CONDUCTOR
	H = 150mm AAC PHASES SEE ABC CONDUCTOR
	MV = RED, LV = GREEN
	SERVICE CONNECTIONS 4/10/16mm
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	10 STREET LIGHT CABLE

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NAME	SIGNATURE	DATE
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DESIGNER: C Brandsen		30/09/2015
PR ENG: J Pretorius		30/09/2015
PROJECT ENG. MANAGER: L Padayachee		30/09/2015
LOCAL PR ENG:		
CLIENT:		



NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0005-001 EA-MZ-CI0000-WOR-E02-00003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)
2	C00290-00-EL-DAL-0006-001 EA-MZ-CI0000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
3	C00290-00-EL-DAL-0007-001 EA-MZ-CI0000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
4	C00290-00-EL-DAL-0009-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)
5	C00290-00-EL-DAL-0019-001 EA-MZ-CI0000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
6	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33KV LINE (OVERVIEW)
7	C00290-00-EL-DAL-0024-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION
8	C00290-00-EL-DAL-0024-002 EA-MZ-CI0000-WOR-E02-00007-02	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2)

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

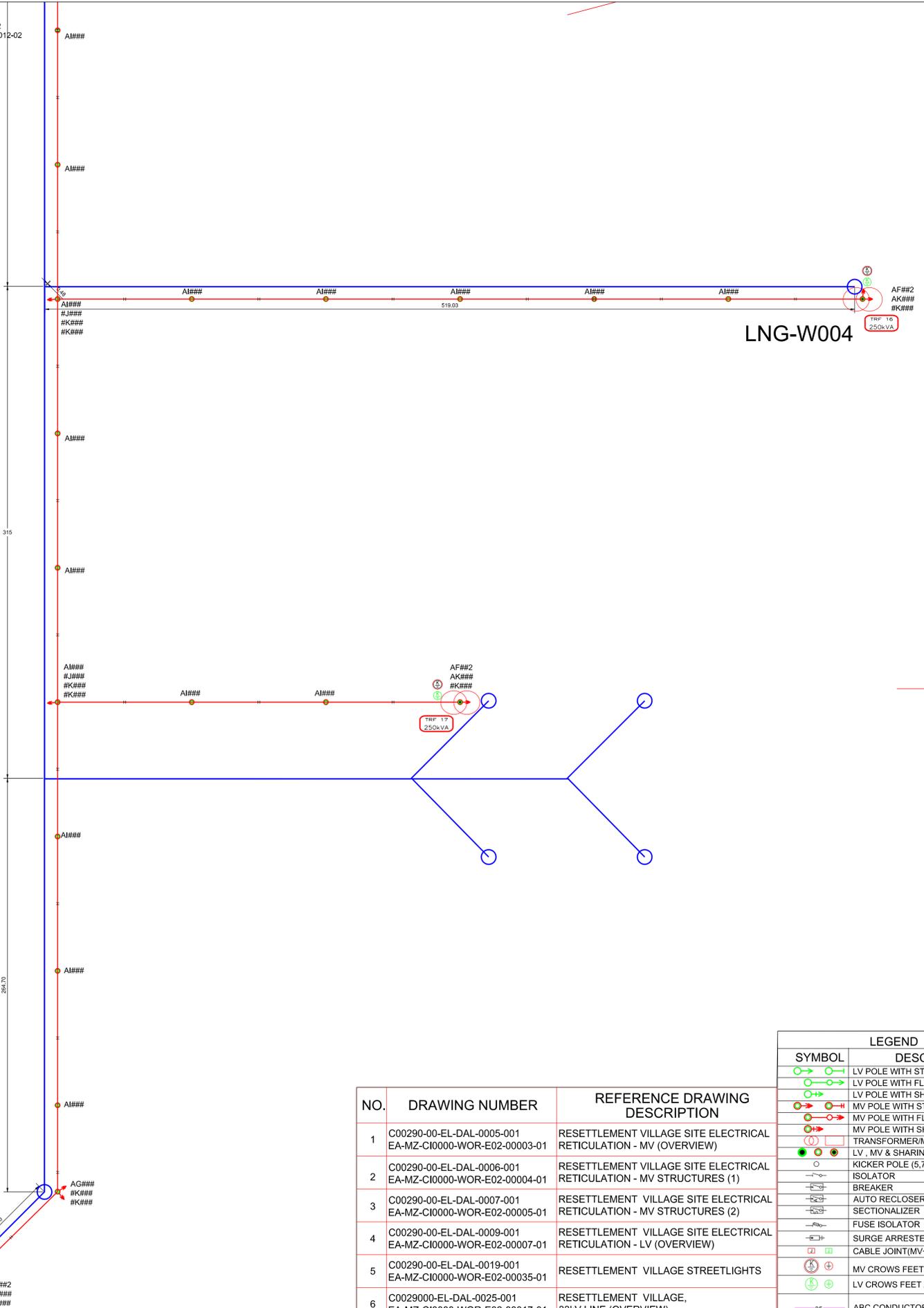
DRAWING DESCRIPTION  
**RESETTLEMENT VILLAGE  
SITE ELECTRICAL  
RETICULATION -  
LV (ZONE 11 + 12)**

SCALE: NOT TO SCALE  
ORIGINAL DWG SIZE: A1  
DATE: 03/12/2015

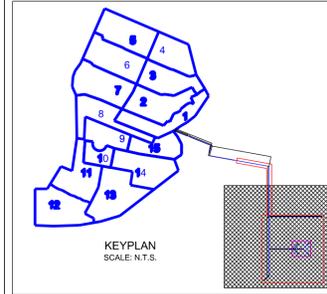
DRAWING NUMBER: C00290-00-EL-DAL-0015-001  
REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0000-WOR-E02-00013-01

CONTINUE ON  
C00290-00-EL-DAL-0014-002  
EA-MZ-CI0000-WOR-E02-00012-02



**NOTES**  
1. FOR POLE STRUCTURE CODES REFER TO  
C00290-00-EL-DAL-0006-001  
EA-MZ-CI0000-WOR-E02-00004-01



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B	23/07/15	TM	TM	ISSUED FOR DETAILED DESIGN
C	17/09/15	TM	TM	ISSUED FOR SQUAD CHECK
D	03/10/15	GM	MM	ISSUED FOR CLIENT REVIEW
DT	20/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL
E	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL
0	03/12/15	TM	MM	ISSUED FOR CONSTRUCTION

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CHECKED: T Meyer		30/09/2015
DESIGNER: C Brandson		30/09/2015
PR ENG: J Pretorius		30/09/2015
PROJECT ENG. MANAGER: L Padayachee		30/09/2015
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (ZONE 9 + 10 + 15) (SHEET 003)**

SCALE NOT TO SCALE	DATE 03/12/2015
DRAWING NUMBER C00290-00-EL-DAL-0014-003	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0000-WOR-E02-00012-03	

NO.	DRAWING NUMBER	REFERENCE DRAWING DESCRIPTION
1	C00290-00-EL-DAL-0005-001 EA-MZ-CI0000-WOR-E02-00003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)
2	C00290-00-EL-DAL-0006-001 EA-MZ-CI0000-WOR-E02-00004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)
3	C00290-00-EL-DAL-0007-001 EA-MZ-CI0000-WOR-E02-00005-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (2)
4	C00290-00-EL-DAL-0009-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)
5	C00290-00-EL-DAL-0019-001 EA-MZ-CI0000-WOR-E02-00035-01	RESETTLEMENT VILLAGE STREETLIGHTS
6	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEMENT VILLAGE, 33kV LINE (OVERVIEW)
7	C00290-00-EL-DAL-0024-001 EA-MZ-CI0000-WOR-E02-00007-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION
8	C00290-00-EL-DAL-0024-002 EA-MZ-CI0000-WOR-E02-00007-02	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2)
9	C00290-00-EL-DAL-0014-001/3 EA-MZ-CI0000-WOR-E02-00012-01/02	RESETTLEMENT VILLAGE, LV (ZONE 9 + 10 + 15) SHEETS 1 & 2

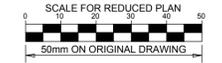
LEGEND	
SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MINI SUB
	LV, MV & SHARING POLES
	KICKER POLE (5,7,9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT(MV+LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	35 ABC CONDUCTOR 35 & 70
	70 35 & 70 ONLY = 3 PHASE
	MV & LV BARE CONDUCTOR
	H = 150mm AAC PHASES SEE ABC CONDUCTOR MV = RED, LV = GREEN
	4/10/16mm SERVICE CONNECTIONS
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	10 STREET LIGHT CABLE

LNG-W003



	<i>Mozambique Gas Development</i>		 Mozambique Area 1, Lda  
	Resettlement Plan		
	Annex I: Construction drawings		
Rev. 1	Rev Date: 27-May-16		

## 9. MARKET



**NOTES**

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH:

ARCHITECTURAL  
EA-MZ-CI0100-WOR-E04-00700-01  
EA-MZ-CI0100-WOR-E04-00705-01  
EA-MZ-CI0100-WOR-E04-00901-01  
EA-MZ-CI0100-WOR-E02-01400-01

STRUCTURAL  
EA-MZ-CI0100-WOR-E05-00716-01  
EA-MZ-CI0100-WOR-E05-00756-01  
EA-MZ-CI0100-WOR-E04-00004-01  
EA-MZ-CI0000-WOR-E05-00061-01

WATER  
EA-MZ-CI0100-WOR-E05-00795-01  
EA-MZ-CI0100-WOR-E05-00795-02  
EA-MZ-CI0100-WOR-E05-00795-03  
EA-MZ-CI0100-WOR-E05-00112-01

ELECTRICAL  
EA-MZ-CI0100-WOR-E02-00730-01  
EA-MZ-CI0100-WOR-E02-00731-01  
EA-MZ-CI0100-WOR-E02-00732-01

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A	10/09/15	MM	AP	ISSUED FOR INTERNAL REVIEW
B	10/09/15	MM	AP	ISSUED FOR DETAIL DESIGN
C	10/09/15	MM	AP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	13/11/15	MM	AP	ISSUED CLIENT APPROVAL
0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION

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**MESCI**  
arquitectos

NAME	SIGNATURE	DATE
DRAWN BY: AP		
CHECKED: MM		
DESIGNER: AP		
PR ENG:		
PROJECT ENG MANAGER: L PADAYACHEE		
LOCAL PR ENG:		
CLIENT:		

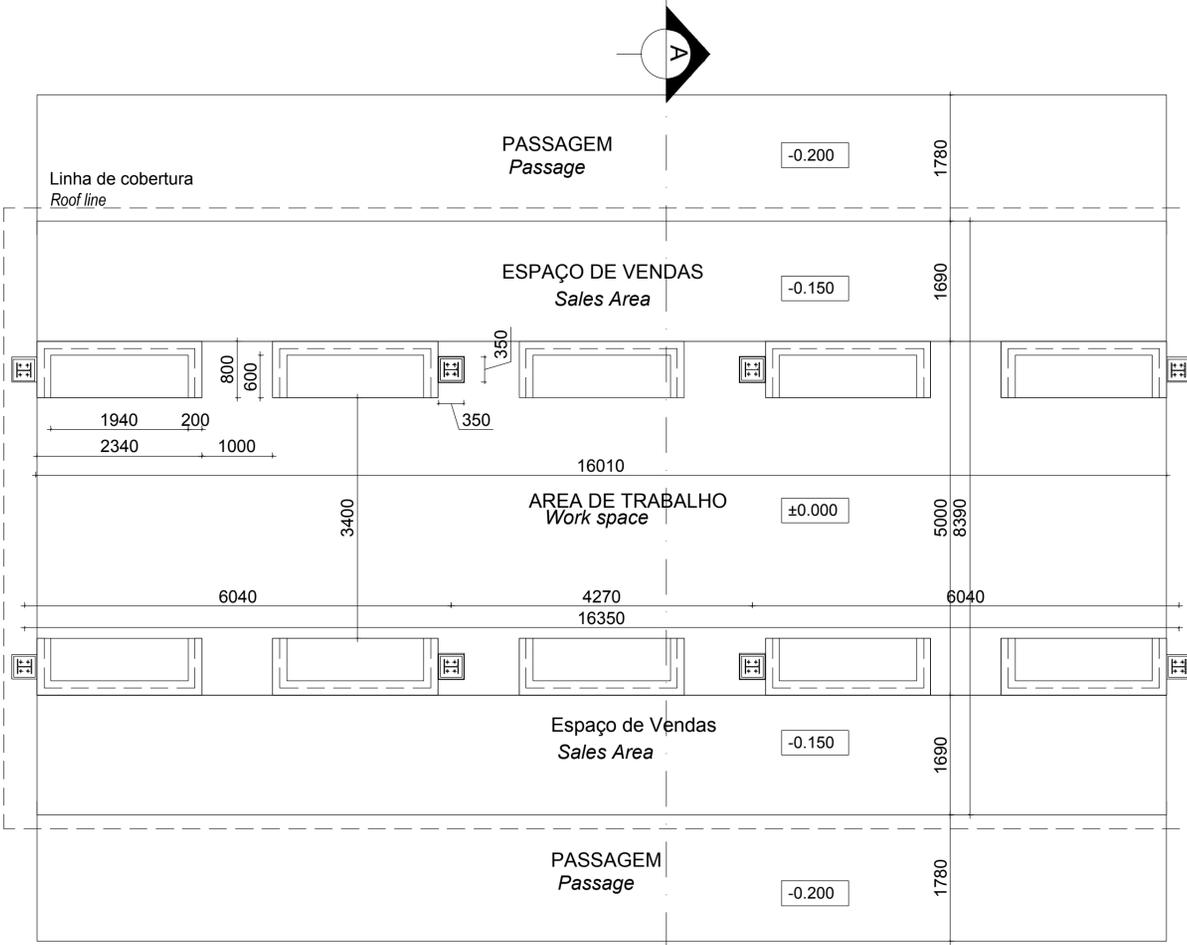
**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

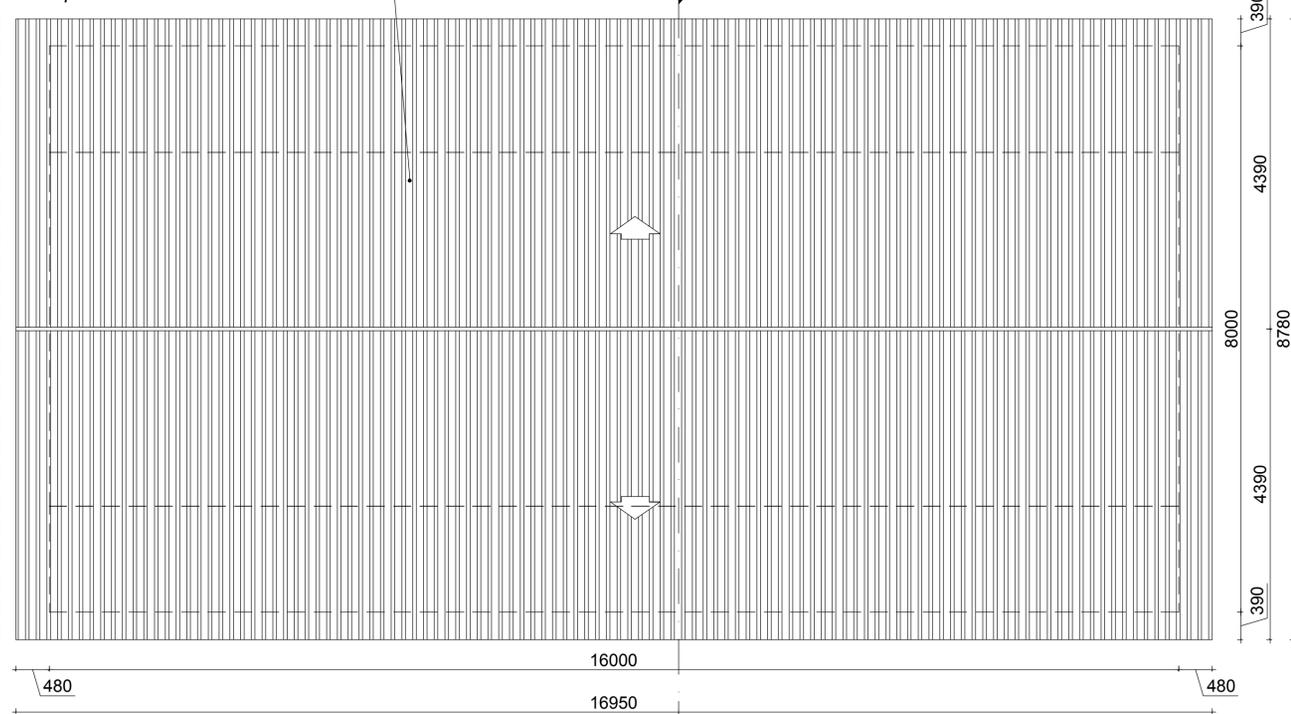
DRAWING DESCRIPTION  
MERCADO LAYOUT  
MARKET LAYOUT

SCALE	DATE
AS SHOWN ORIGINAL DWG SIZE A1	NOVEMBER 2015
DRAWING NUMBER C00290-00-AR-DLP-0021-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E04-00700-01	

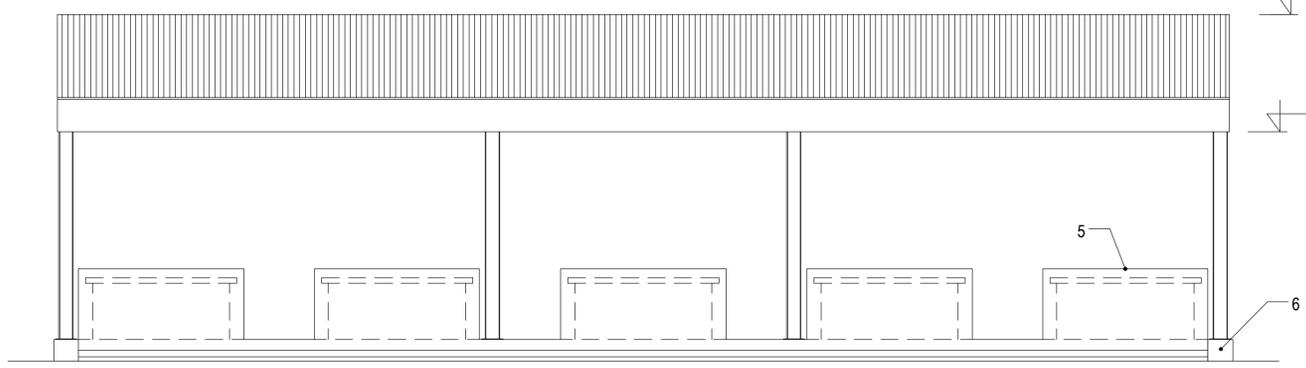


**PLANTA DO PISO**  
*Floor plan*  
Escala/Scale 1:50

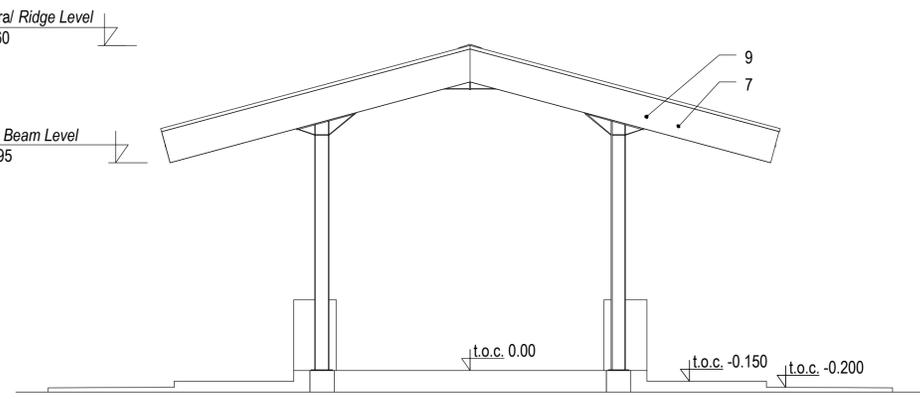
Cobertura em Chapas metálicas esmaltadas com perfil IBR  
*Metal roof enameled sheeting with IBR profile*



**PLANTA DE COBERTURA**  
*Roof plan*  
Escala/Scale 1:50



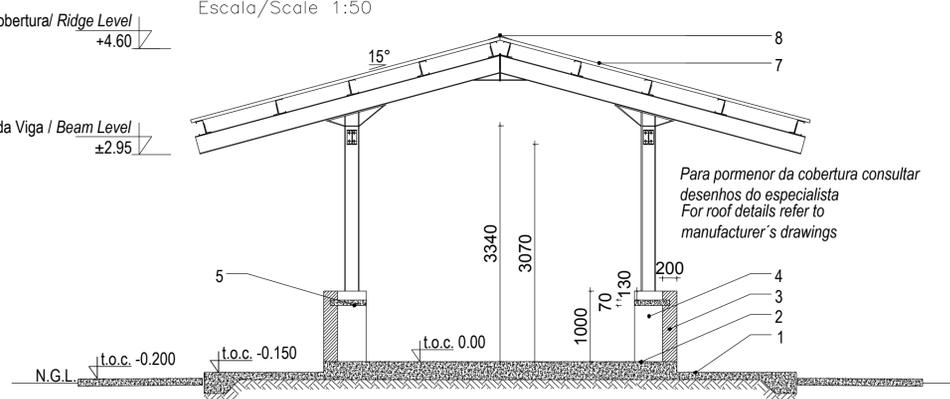
**ALCADO FRONTAL**  
*Front elevation*  
Escala/Scale 1:50



**ALCADO LATERAL**  
*Side elevation*  
Escala/Scale 1:50

**Legenda**  
*Key*

- |   |  |
|---|--|
| 1_Laje de pavimento em betão<br><i>Concrete slab</i>  | 6_Base do pilar em betão, pitado a tinta plástica<br><i>Concrete column base, painted with washable PVA paint</i>    |
| 2_Acabamento do pavimento em cimento queimado<br><i>Concrete floor to have power float finish</i>                 | 7_Cobertura em chapas metálicas esmaltadas com perfil IBR<br><i>Enameled metallic roof sheeting with IBR profile</i> |
| 3_Alvenaria em blocos vazados com espessura de 200mm<br><i>Walls in hollow block 200mm wide</i>                   | 8_Cumeeira em chapa esmaltada<br><i>Enameled sheet ridge cap</i>   |
| 4_Parede com reboco liso, pintada a tinta plástica<br><i>Wall with plain plaster and PVA painted</i>              | 9_Rufo em aço galvanizado<br><i>Galvanized steel gable flashing</i>  |
| 5_Bancada em bloco de 200mm com tampo em betao queimado<br><i>Vending balcony in 200mm block with stained top</i> |  |



**Corte A-A**  
*Section A-A*  
Escala/Scale 1:50

Para pormenor da cobertura consultar desenhos do especialista  
*For roof details refer to manufacturer's drawings*



**NOTES**

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

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B	21/09/15	TS	NR	ISSUED FOR DETAIL DESIGN
C	21/09/15	TS	NR	ISSUED FOR SQUAD CHECK
D	29/09/15	TS	NR	ISSUED FOR CLIENT REVIEW
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CHECKED: T SNYDERS	<i>T Snymers</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snymers</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		

CLIENT



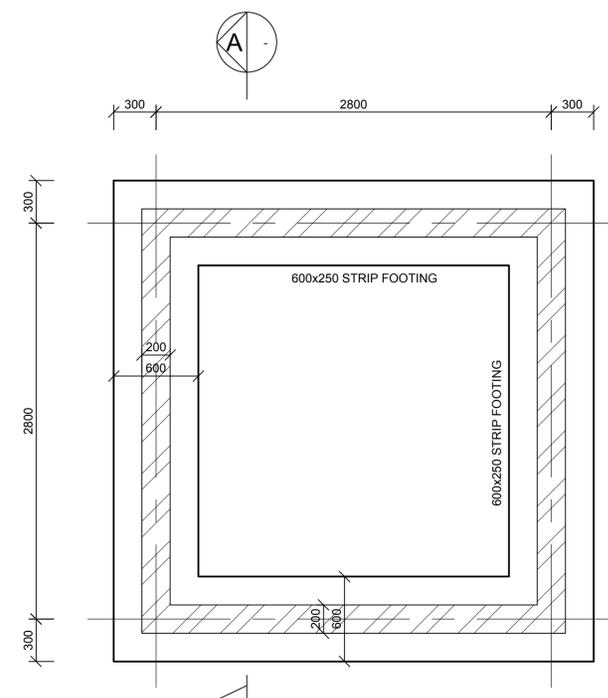
PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**MARKET -  
ADMINISTRATION  
BUILDING**

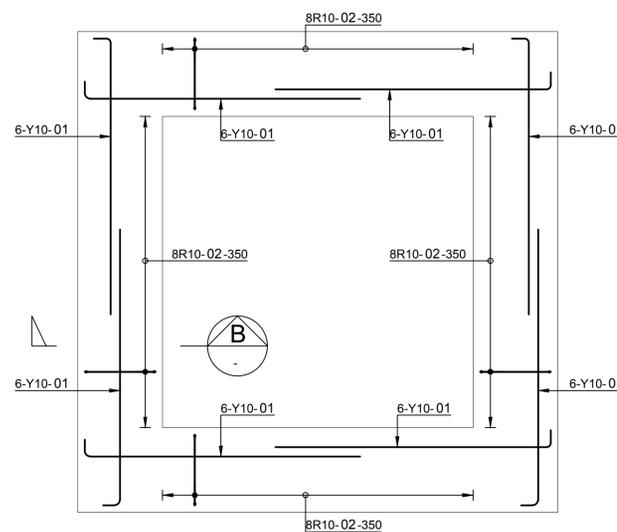
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DRAWING NUMBER: C00290-00-ST-DAL-0025-001 REV NO: 0

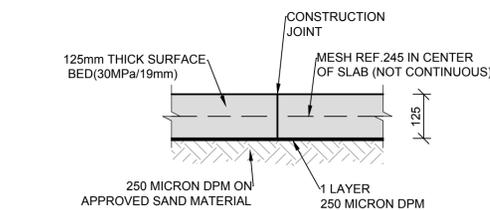
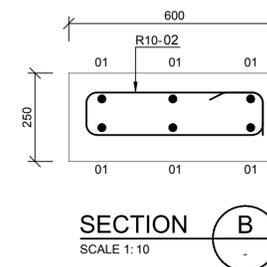
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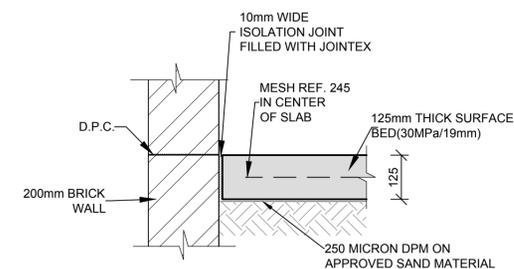
**FOUNDATION LAYOUT**  
SCALE 1:25



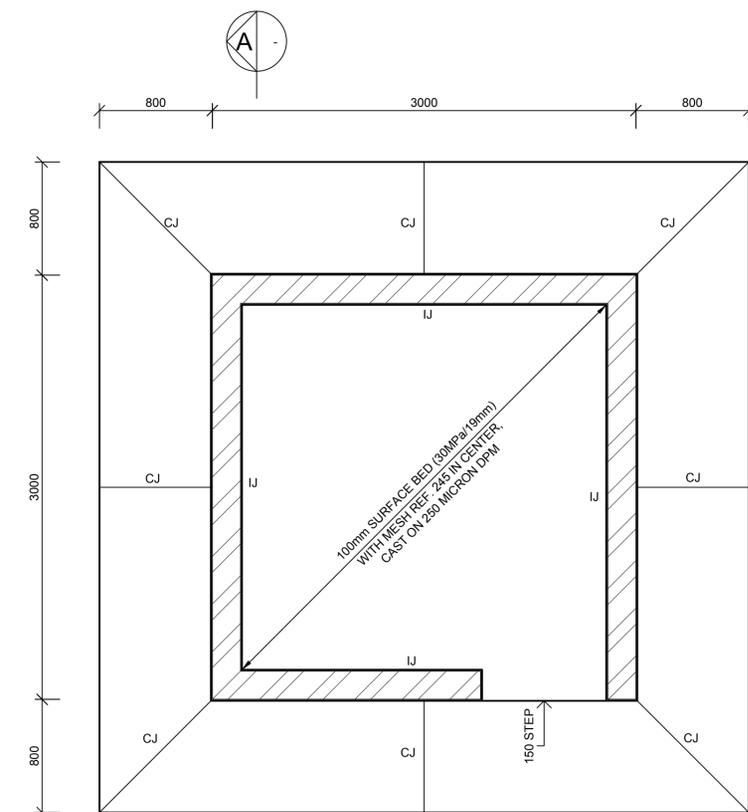
**STRIP FOUNDATIONS REINFORCEMENT**  
SCALE 1:25



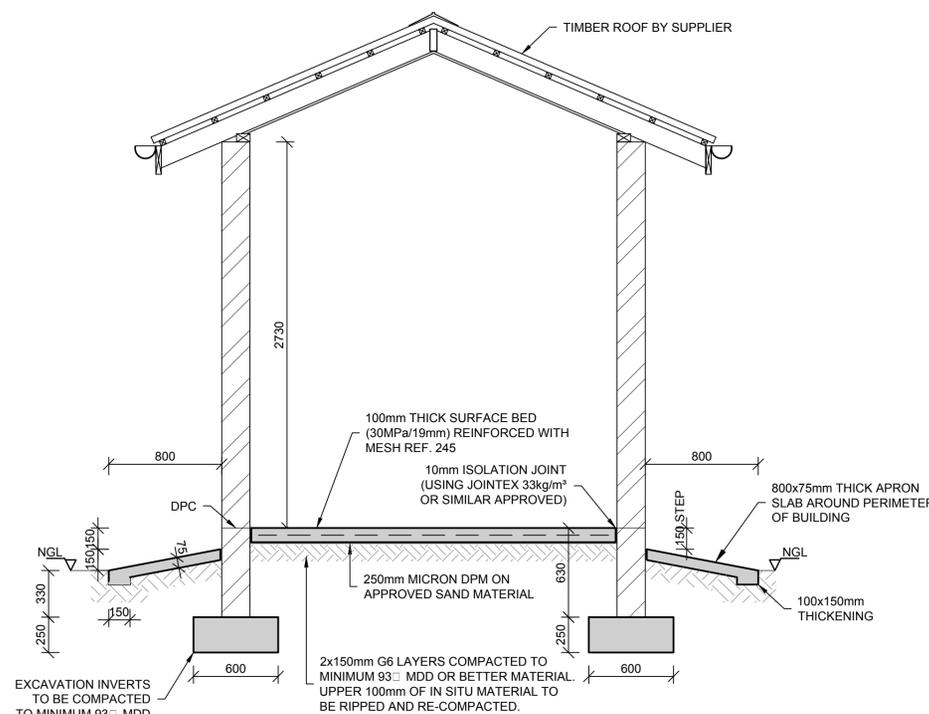
**TYPICAL CONSTRUCTION JOINT (C.J.)**  
SCALE 1:10



**ISOLATION JOINT (I.J.)**  
SCALE 1:10



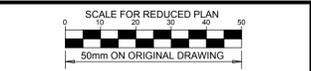
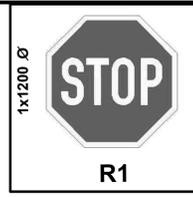
**SURFACE BED LAYOUT**  
SCALE 1:25



**SECTION A**  
SCALE 1:25

SETTING OUT COORDINATES MARKET WGS84 / UTM37S		
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M02	663134.864	8801204.906
M03	663133.745	8801200.038
M04	663111.817	8801205.079
M05	663112.937	8801209.952
M06	663110.501	8801210.512
M07	663112.181	8801217.821
M08	663114.617	8801217.261
M09	663115.737	8801222.134
M10	663137.666	8801217.093
M11	663136.547	8801212.226
M12	663141.255	8801212.817
M13	663144.170	8801216.560

SETTING OUT COORDINATES MARKET WGS84 / UTM37S		
POINT	E	N
M14	663145.529	8801222.468
M15	663140.412	8801223.644
M16	663146.573	8801250.445
M17	663151.446	8801249.325
M18	663151.887	8801251.276
M19	663159.203	8801249.594
M20	663158.755	8801247.645
M21	663163.628	8801246.525
M22	663157.467	8801219.724
M23	663152.351	8801220.900
M24	663146.449	8801195.228
M25	663146.304	8801192.470



**NOTES**  
**LEGEND**  
 RM1 = 100 mm WIDTH  
 RTM1 = 500 mm WIDTH

REFERENCE DWG's No:  
 1. EA-MZ-CI000-WOR-E05-00016-06

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REVISIONS				
NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	04/08/15	D. d T.	A.U.	ISSUED FOR INTERNAL REVIEW
B	09/09/15	D. d T.	A.U.	ISSUED FOR DETAIL DESIGN
C	28/09/15	D. d T.	A.U.	ISSUED FOR SQUAD CHECK
D	13/10/15	D. d T.	A.U.	ISSUED FOR CLIENT REVIEW
E	30/10/15	D. d T.	A.U.	ISSUED FOR CLIENT APPROVAL
0	01/12/15	D. d T.	A.U.	ISSUED FOR CONSTRUCTION

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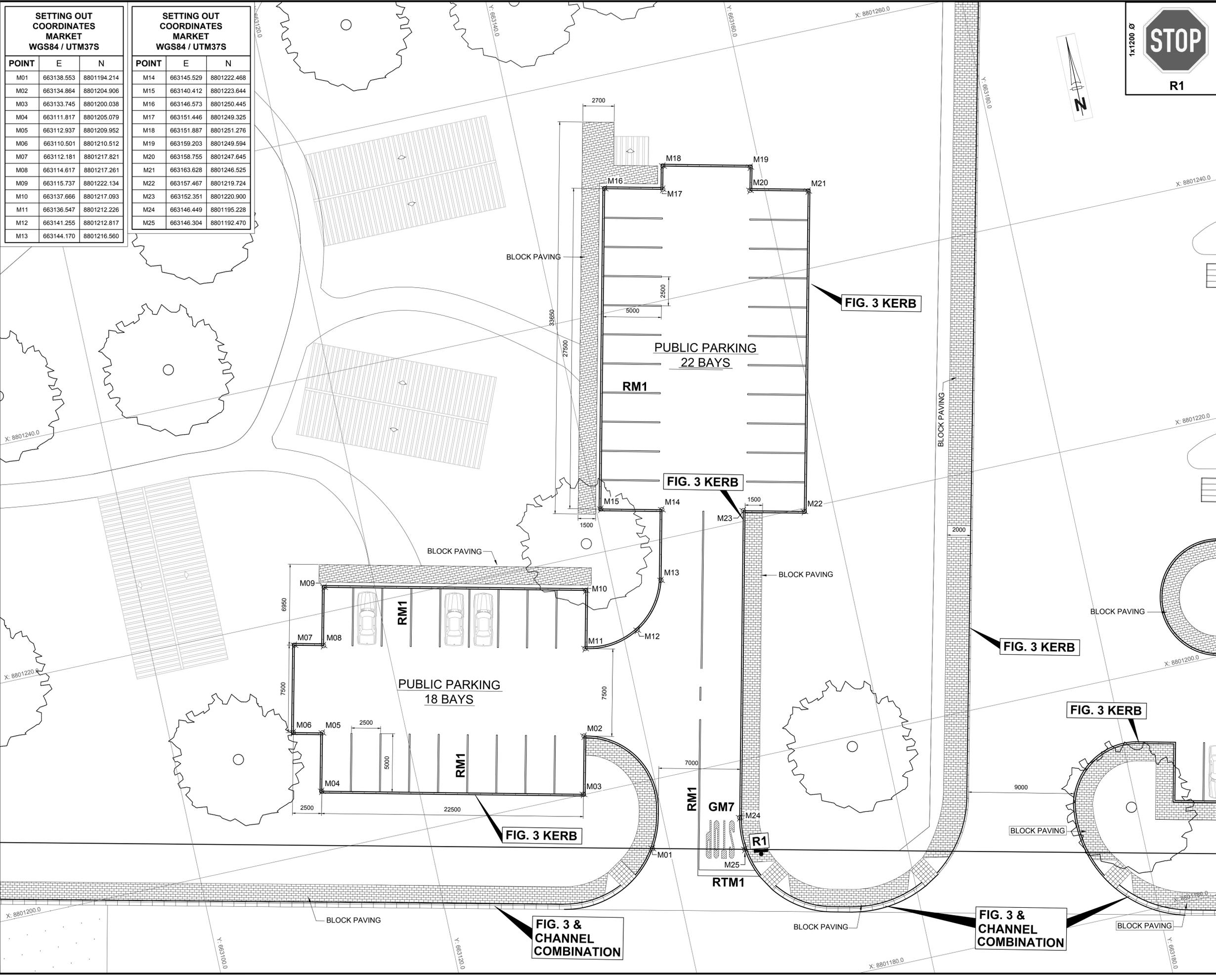
NAME	SIGNATURE	DATE
DRAWN BY: A.UJUMA	<i>[Signature]</i>	01/12/2015
CHECKED: D. du TOIT	<i>[Signature]</i>	01/12/2015
DESIGNER: R. van SCHALKWYK	<i>[Signature]</i>	01/12/2015
PR ENG: D. du TOIT	<i>[Signature]</i>	01/12/2015
PROJECT ENG. MANAGER: L. PADAYACHEE	<i>[Signature]</i>	01/12/2015
LOCAL PR ENG:		
CLIENT:		

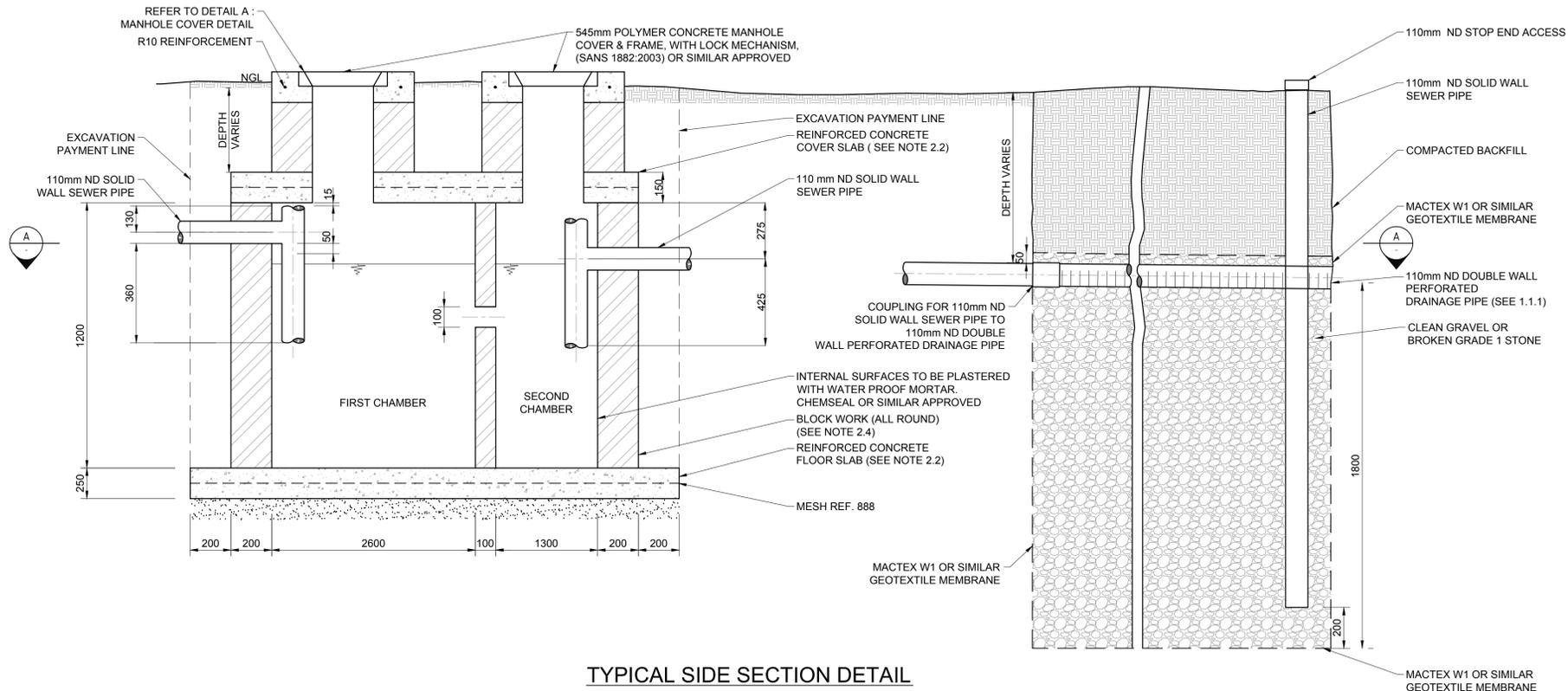


PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**  
 DRAWING DESCRIPTION

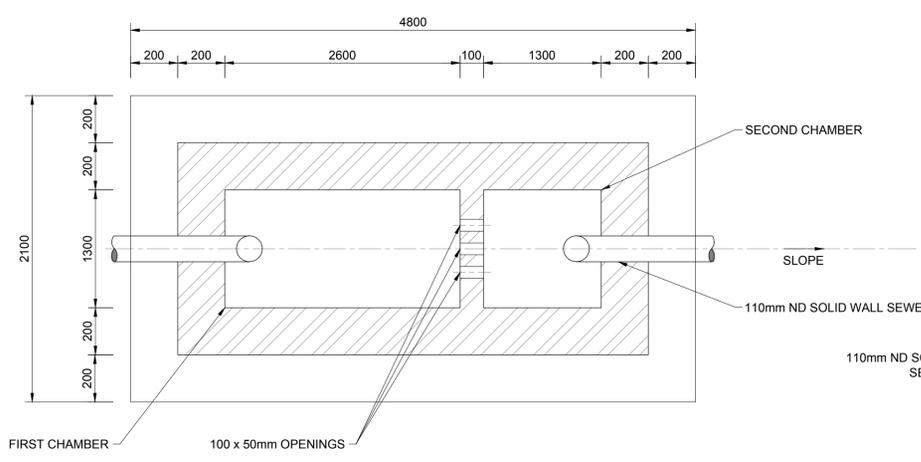
**PARKING AREA MARKET**

SCALE: 1:150 ORIGINAL DWG SIZE A1	DATE: DECEMBER 2015
DRAWING NUMBER: C00290-00-CI-DLP-0021-001	REV NO: 0
ANADARKO DRAWING NUMBER: EA-MZ-CI0000-WOR-E05-00061-01	

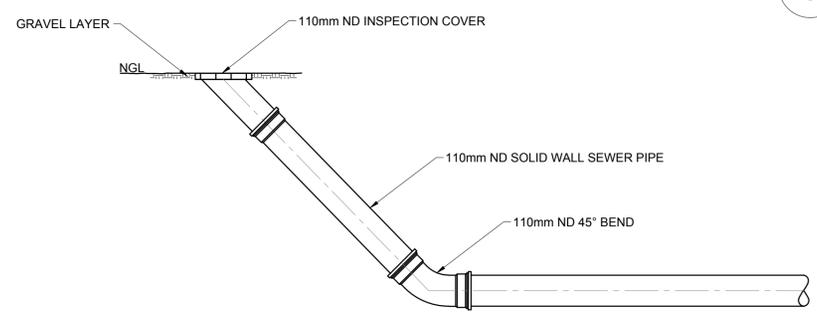




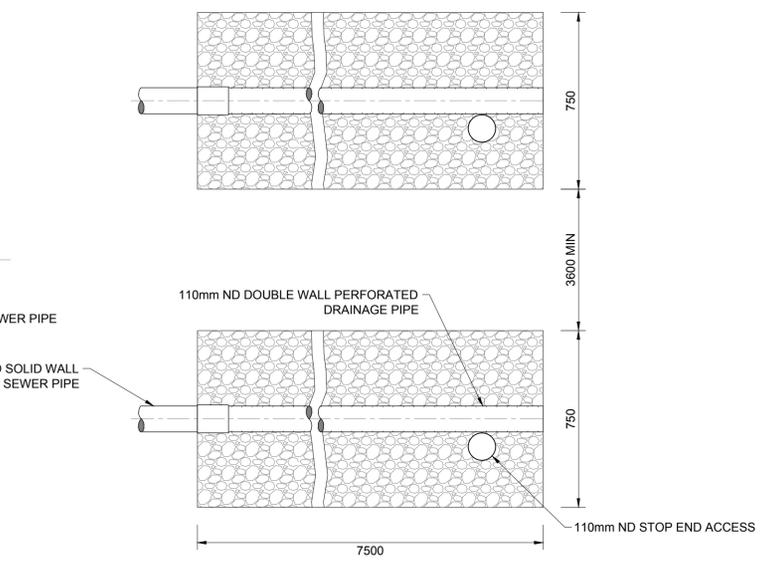
TYPICAL SIDE SECTION DETAIL  
N.T.S.



SECTION A  
N.T.S.



END LINE INSPECTION EYE DETAIL  
N.T.S.

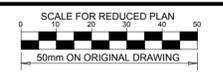


DETAIL A:  
DETAIL OF MANHOLE COVER  
N.T.S.

- 1. SOAK AWAYS**
- 1.1 CONSTRUCTION OF SOAK AWAYS:
- 1.1.1 USE PERFORATED DRAINAGE PIPES, WITH THE SLOTS/HOLES AT THE BOTTOM, LAY IN TRENCHES OF A UNIFORM GRADIENT NOT STEEPER THAN 1:200. PERFORATED 'FLEXICOL' TYPE PIPE IS NOT ALLOWED.
- 1.1.2 THE LENGTH OF A SINGLE TRENCH SHOULD NOT EXCEED 30m.
- 1.1.3 PIPES SHOULD BE LAID ON CLEAN GRAVEL OR BROKEN GRADE 1 STONE (20mm - 50mm).
- 1.1.4 SOAK AWAY TRENCHES SHOULD BE FILLED TO A LEVEL OF 50mm ABOVE THE PIPE AND COVERED WITH A LAYER OF GEOTEXTILE MEMBRANE TO PREVENT ENTRY OF FINES.
- 1.1.5 THE REMAINDER OF THE SOAK AWAY TRENCH CAN BE FILLED WITH EXCAVATED MATERIAL.
- 1.1.6 THE SOAK AWAY AND ASSOCIATED DRAINAGE MUST COMPLY WITH SANS 0252-2 AND SANS 10400-P:2010.
- 1.1.7 THE AREA OF THE SOAK AWAY IS CALCULATED AFTER CARRYING OUT A MINIMUM OF THREE PERCOLATION TESTS IN THE PROPOSED DRAIN FIELD AREA, OVER THREE CONSECUTIVE DAYS AND APPLYING A FORMULA AS DETAILED IN SANS 10400-P: 2010.
- 1.1.8 DRAINAGE TRENCHES SHOULD BE 750mm WIDE WITH AREAS OF UNDISTURBED GROUND OF MINIMUM 3.6m WIDE BETWEEN PARALLEL TRENCHES.
- 1.1.9 A SOAK AWAY SHALL:
- a) BE SO CONSTRUCTED AND LOCATED AS NOT TO CAUSE THE POLLUTION OF ANY SPRING, STREAM, WELL OR OTHER SOURCE OF WATER WHICH IS USED OR IS LIKELY TO BE USED, FOR DRINKING, DOMESTIC USE OR KITCHEN PURPOSES.
  - b) BE SO POSITIONED THAT THE FOUNDATIONS OF ADJACENT BUILDINGS ARE NOT ADVERSELY AFFECTED BY ITS DISCHARGE, AND
  - c) BE NOT LESS THAN 3m FROM ANY BUILDING OR BOUNDARY OF THE SITE ON WHICH IT IS SITUATED.
- 1.1.10 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 SUCH AS A BOREHOLE OR SPRING. WHERE LOCATION DOWNHILL OF SUCH WATER SOURCE IS NOT POSSIBLE, SOAK AWAYS SHOULD BE LOCATED AT LEAST 50m FROM THE WATER SOURCE.
- 1.1.11 SOAK AWAYS SHOULD PREFERABLY BE CONSTRUCTED ALONG THE CONTOUR OF THE SOIL SURFACE.
- 1.1.12 LENGTH OF SOAK AWAY DETERMINED IN ACCORDANCE WITH SANS 10400-P:2010.
- 1.1.13 NO SOAK AWAY SHALL BE CONSTRUCTED:
- a) IN GROUND THAT HAS A PERCOLATION RATE THAT EXCEEDS 30 MINUTES (REFER TO SANS 10400-P:2010)
  - b) WHERE EFFLUENT MIGHT FLOW OUT DUE TO THE CONTOURS OF, OR THE STRATA FORMING, THE GROUND.
  - c) WHERE THE SITE TO BE AFFECTED BY SUCH EFFLUENT IS OF INSUFFICIENT SIZE TO ACCOMMODATE THE SOAKING AWAY OF THE EFFLUENT; OR
  - d) WHERE THE LEVEL OF THE WATER TABLE IS, OR MIGHT BE, SUCH AS TO PREVENT ADEQUATE PERCOLATION.

- 2. STRUCTURAL**
- 2.1 ALL SEPTIC TANK EXCAVATION INVERTS TO BE COMPACTED TO 93% MOD AASHTO (MINIMUM).
- 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	
ANADARKO DRAWING NO.	DRAWING DESCRIPTION
EA-MZ-CI0100-WOR-E05-00795-01	COMMUNITY FACILITIES: MARKET: WATER AND SANITATION LAYOUT SHEET 1 of 3
EA-MZ-CI0100-WOR-E05-00795-02	COMMUNITY FACILITIES: MARKET: DETAILS OF TOILET FACILITIES SHEET 2 of 3



**NOTES**

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A	10/09/15	LL	WVS	ISSUED FOR INTERNAL REVIEW
B	16/09/15	LL	WVS	ISSUED FOR DETAIL DESIGN
C	29/09/15	LL	WVS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	WVS	ISSUED FOR CLIENT REVIEW
E	06/11/15	LL	WVS	ISSUED FOR CLIENT APPROVAL
0	03/12/15	LL	WVS	ISSUED FOR CONSTRUCTION

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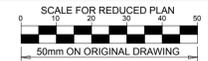
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CHECKED: LH LOUW	<i>[Signature]</i>	03/12/2015
DESIGNER: B VAN SCHOOR	<i>[Signature]</i>	03/12/2015
PR ENG: LH LOUW 20090253	<i>[Signature]</i>	03/12/2015
PROJECT ENG MANAGER: L PADAYACHEE	<i>[Signature]</i>	03/12/2015
LOCAL PR ENG:		
CLIENT:		



PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**COMMUNITY FACILITIES:  
MARKET: DETAILS OF  
SEPTIC TANK  
INSTALLATION**  
SHEET 3 OF 3

SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DECEMBER 2015
DRAWING NUMBER C00290-00-WW-DRD-0024-003	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00795-03	



**NOTES**

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.

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NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	15/09/15	LL	CS	ISSUED FOR INTERNAL REVIEW
B	16/09/15	LL	CS	ISSUED FOR DETAIL DESIGN
C	30/09/15	LL	WvS	ISSUED FOR SQUAD CHECK
D	06/10/15	LL	WvS	ISSUED FOR CLIENT REVIEW
E	06/11/15	LL	WvS	ISSUED FOR CLIENT APPROVAL
O	03/12/15	LL	WvS	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: W v STADEN		03/12/2015
CHECKED: L LOUW		03/12/2015
DESIGNER: L LOUW		03/12/2015
PR ENG: L LOUW 20090253		03/12/2015
PROJECT ENG. MANAGER: L PADAYACHEE		03/12/2015
LOCAL PR ENG:		
CLIENT:		

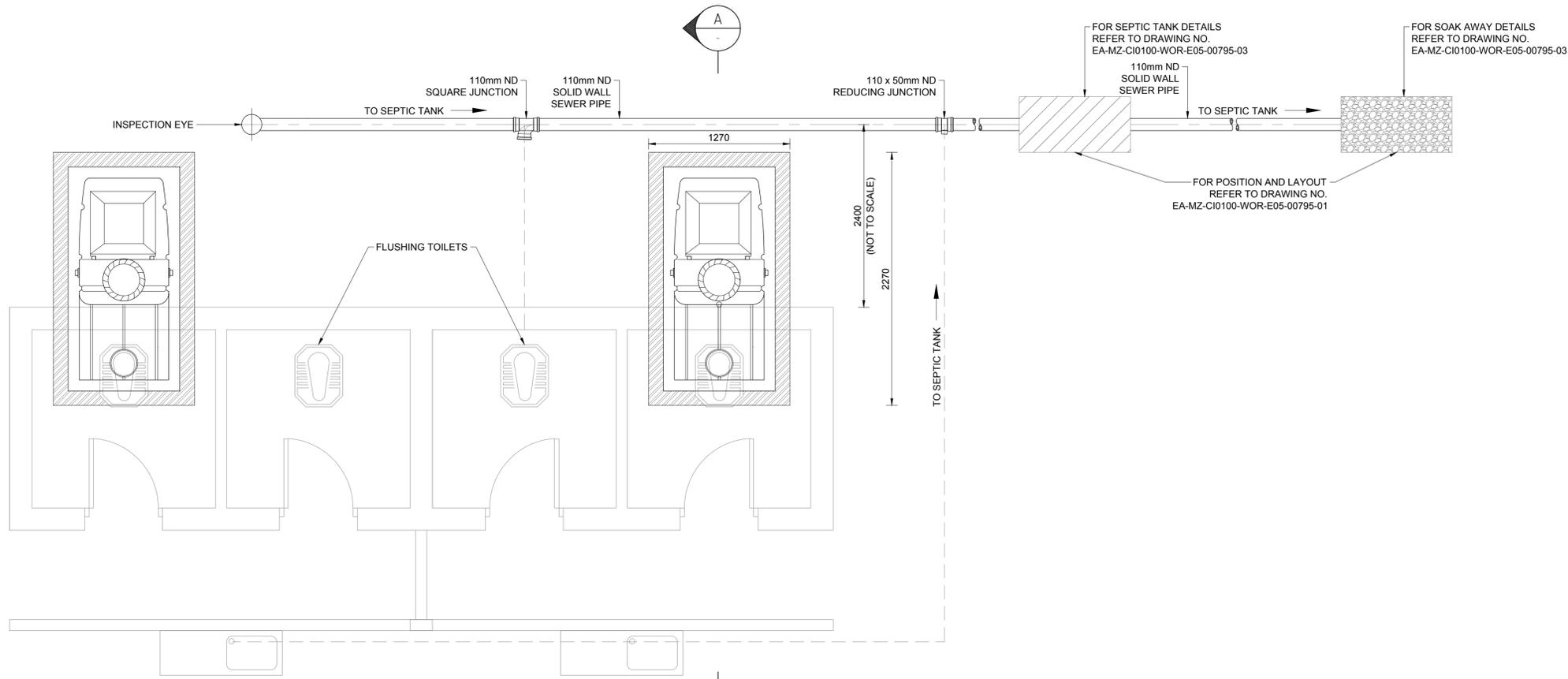


**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**COMMUNITY FACILITIES  
MARKET:  
DETAILS OF TOILET  
FACILITIES  
SHEET 2 OF 3**

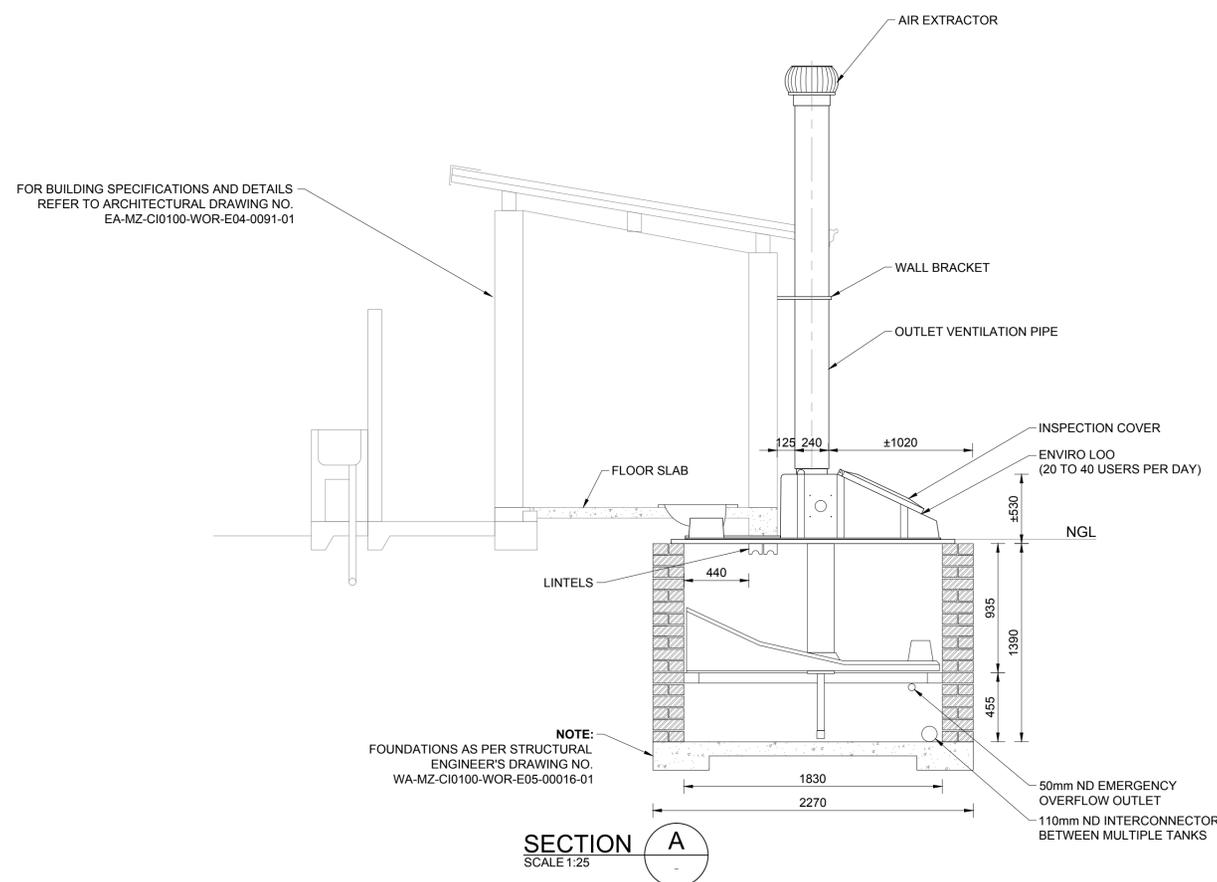
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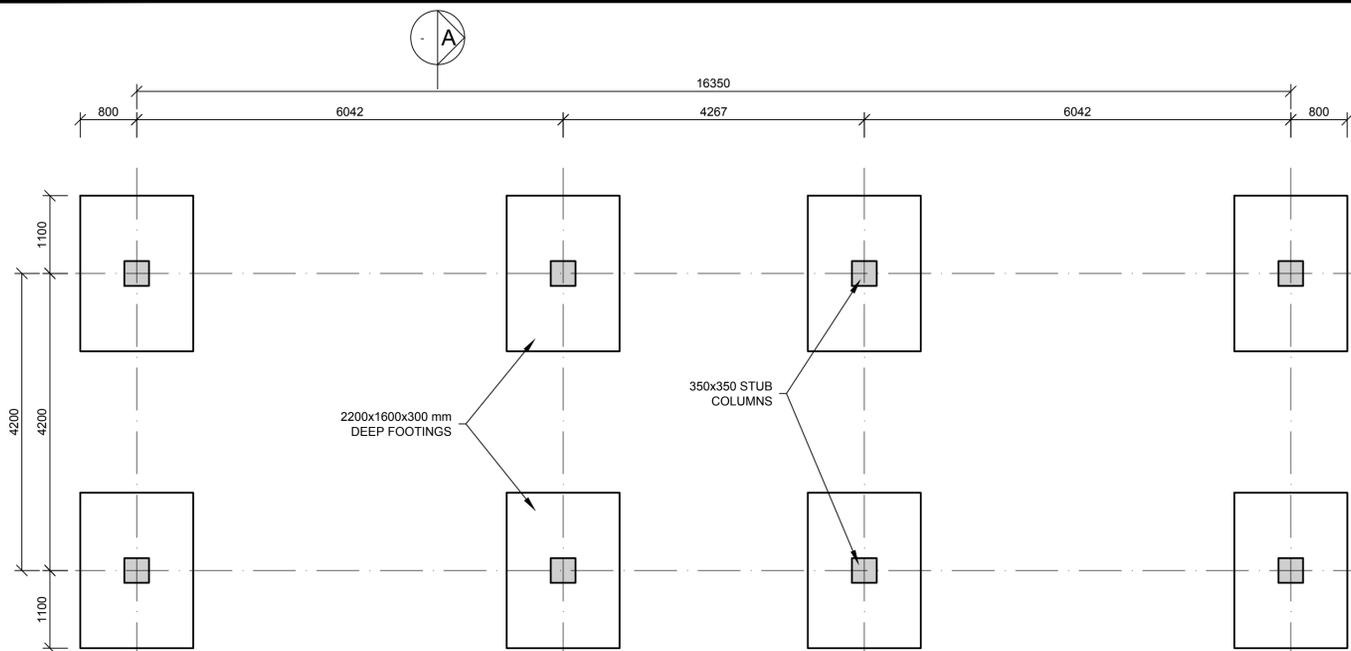
**TYPICAL FLOOR PLAN: ENVIRO LOO (SCHEMATIC)**  
SCALE 1:25

**REFERENCES**

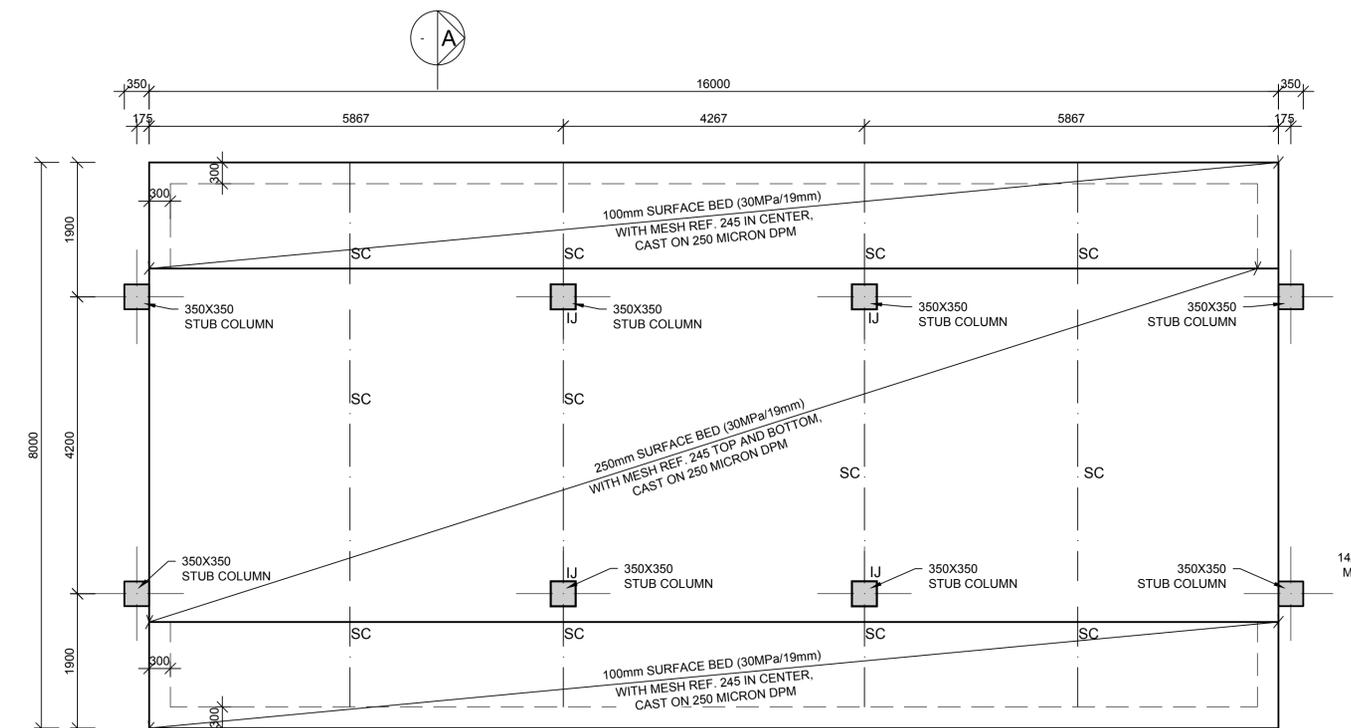
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EA-MZ-CI0100-WOR-E05-00795-01	COMMUNITY FACILITIES: MARKET: WATER AND SANITATION LAYOUT SHEET 1 OF 3
EA-MZ-CI0100-WOR-E05-00795-03	COMMUNITY FACILITIES: MARKET: DETAILS OF SEPTIC TANK INSTALLATION SHEET 3 OF 3
EA-MZ-CI0100-WOR-E05-00112-01	COMMUNITY FACILITIES: MARKET: TOILETS: INTERNAL RETICULATIONS



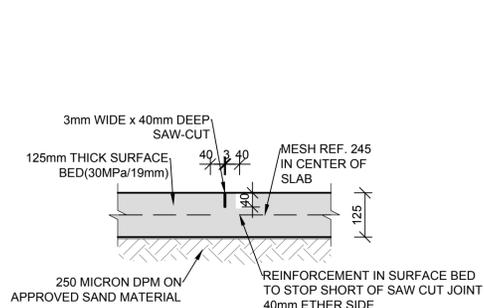
FOR BUILDING SPECIFICATIONS AND DETAILS REFER TO ARCHITECTURAL DRAWING NO. EA-MZ-CI0100-WOR-E04-0091-01



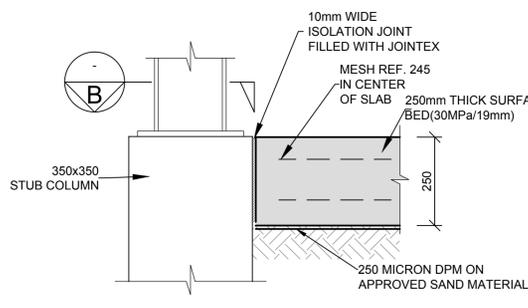
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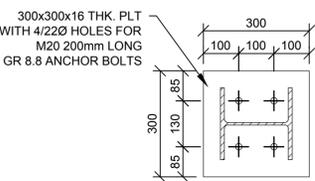
SURFACE BED LAYOUT  
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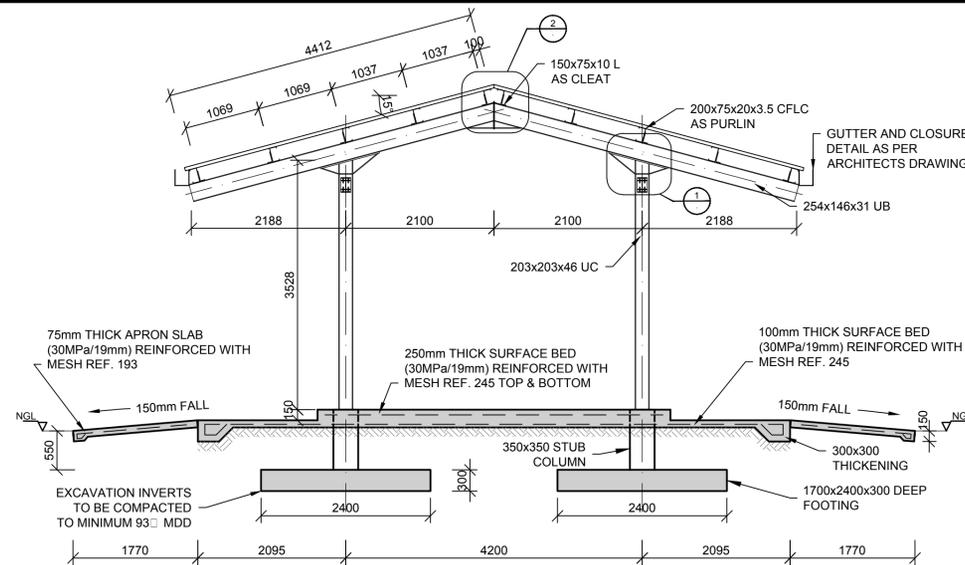
TYPICAL SAW-CUT JOINT (SC)  
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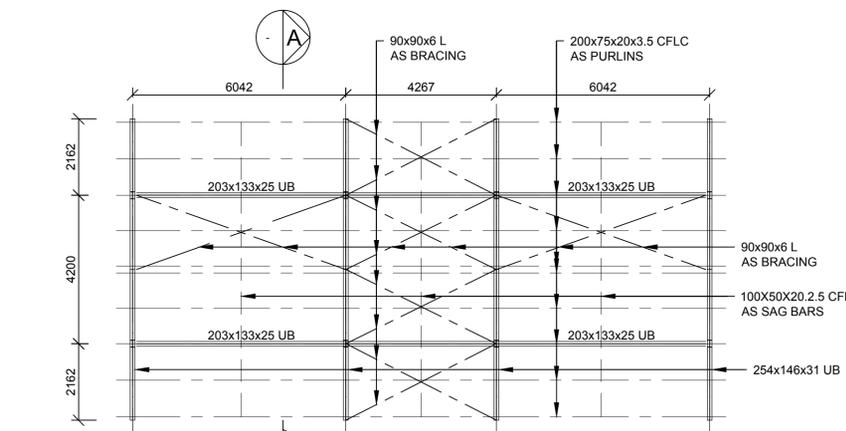
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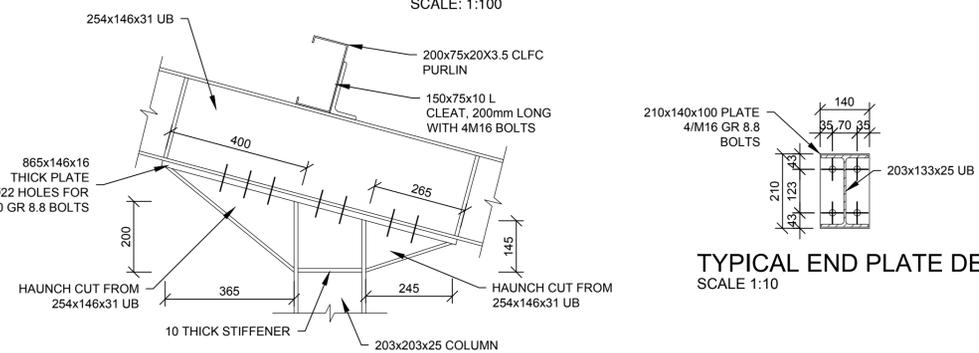
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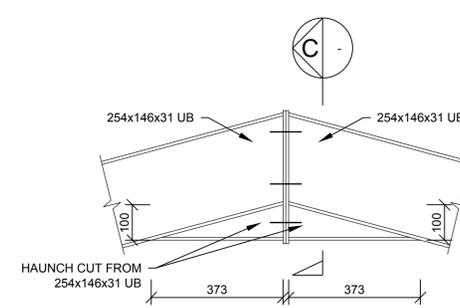
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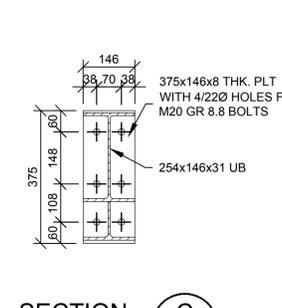
ROOF LAYOUT  
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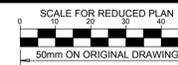
DETAIL 1  
SCALE: 1:10



DETAIL 2  
SCALE: 1:10



SECTION C  
SCALE: 1:10



NOTES

REFER TO STRUCTURAL GENERAL NOTES  
EA-MZ-CI000-WOR-B18-00001-01  
REFER TO ARCHITECTS DRAWING  
C00290-00-AR-DLP-0021-001  
REFER TO REINFORCEMENT DRAWING  
EA-MZ-CI0100-WOR-E05-00716-01

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NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	24/07/15	TS	NR	ISSUED FOR INTERNAL REVIEW
B	03/08/15	TS	NR	ISSUED FOR DETAIL DESIGN
C	11/08/15	TS	NR	ISSUED FOR SQUAD CHECK
C1	04/09/15	TS	NR	RE-ISSUED FOR SQUAD CHECK
D	29/09/15	TS	NR	ISSUED FOR CLIENT REVIEW
E	17/11/15	TS	NR	ISSUED FOR CLIENT APPROVAL
O	03/12/15	TS	NR	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY:	N ROBINSON	03/12/15
CHECKED:	T SNYDERS	03/12/15
DESIGNER:	T SNYDERS	03/12/15
PR ENG:	I ROBINSON	03/12/15
PROJECT ENG MANAGER:	L PADAYACHEE	03/12/15
LOCAL PR ENG:		
CLIENT:		

**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1**  
**RESETTLEMENT VILLAGE**

DRAWING DESCRIPTION  
**MARKET**

SCALE	DATE
AS SHOWN ORIGINAL DWG SIZE A1	DEC 2015
DRAWING NUMBER C00290-00-ST-DRD-0022-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00756-01	



**NOTES**

REFER TO STRUCTURAL GENERAL NOTES  
EA-MZ-CI0000-WOR-B18-00001-01

REFER TO ARCHITECTS DRAWING  
EA-MZ-CI0100-WOR-E04-00700-01

REFER TO LAYOUT DRAWING  
EA-MZ-CI0100-WOR-E05-00756-01

REFER TO BENDING SCHEDULE 13  
ON DRAWING EA-MZ-CI0100-WOR-E05-00062-01

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**REVISIONS**

NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	11/09/15	TS	NR	ISSUED FOR INTERNAL REVIEW
B	14/09/15	TS	NR	ISSUED FOR DETAIL DESIGN
C	14/09/15	TS	NR	ISSUED FOR SQUAD CHECK
D	29/09/15	TS	NR	ISSUED FOR CLIENT REVIEW
E	17/11/15	TS	NR	ISSUED FOR CLIENT APPROVAL
0	03/12/15	TS	NR	ISSUED FOR CONSTRUCTION

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WorleyParsons RSA (Pty) Ltd.

NAME	SIGNATURE	DATE
DRAWN BY: N ROBINSON	<i>N Robinson</i>	03/12/15
CHECKED: T SNYDERS	<i>T Snymers</i>	03/12/15
DESIGNER: T SNYDERS	<i>T Snymers</i>	03/12/15
PR ENG: I ROBINSON	<i>I Robinson</i>	03/12/15
PROJECT ENG MANAGER: L PADAYACHEE	<i>L Padayachee</i>	03/12/15
LOCAL PR ENG:		
CLIENT:		

CLIENT

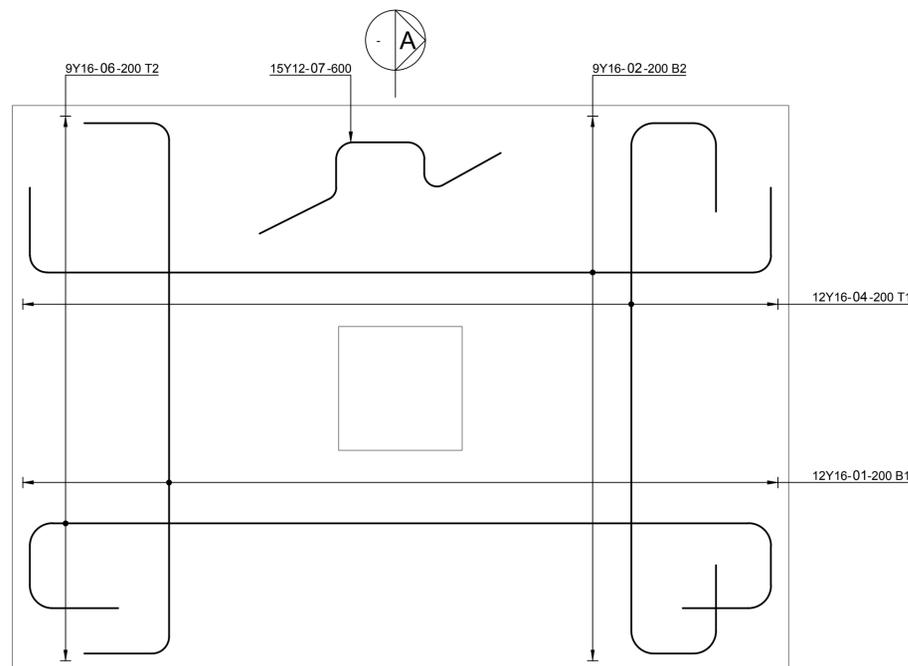
**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT

**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

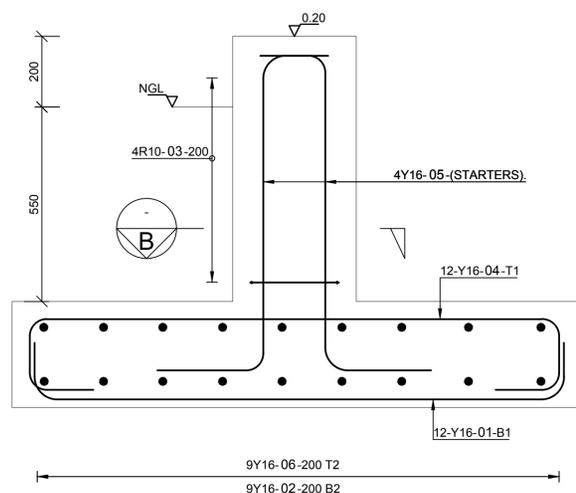
DRAWING DESCRIPTION  
**MARKET  
REINFORCEMENT  
LAYOUT**

SCALE AS SHOWN ORIGINAL DWG SIZE A1	DATE DEC 2015
DRAWING NUMBER C00290-00-ST-DAL-0017-001	REV NO 0
ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00716-01	

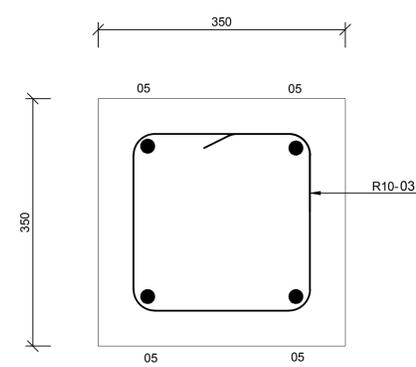


**TYPICAL FOOTING REINFORCEMENT**

SCALE 1 : 25



**SECTION A**  
SCALE 1: 10



**SECTION B**  
SCALE 1: 5

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

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

**ARCHITECTURAL**  
EA-MZ-CI0100-WOR-E04-00700-01  
EA-MZ-CI0100-WOR-E04-00705-01  
EA-MZ-CI0100-WOR-E04-00901-01  
EA-MZ-CI0100-WOR-E02-01400-01

**STRUCTURAL**  
EA-MZ-CI0100-WOR-E05-00716-01  
EA-MZ-CI0100-WOR-E05-00756-01  
EA-MZ-CI0100-WOR-E04-00004-01  
EA-MZ-CI0000-WOR-E05-00061-01

**WATER**  
EA-MZ-CI0100-WOR-E05-00795-01  
EA-MZ-CI0100-WOR-E05-00795-02  
EA-MZ-CI0100-WOR-E05-00795-03  
EA-MZ-CI0100-WOR-E05-00112-01

**ELECTRICAL**  
EA-MZ-CI0100-WOR-E02-00730-01  
EA-MZ-CI0100-WOR-E02-00731-01  
EA-MZ-CI0100-WOR-E02-00732-01

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A	08/09/15	MM	CP	ISSUED INTERNAL REVIEW
B	08/09/15	MM	CP	ISSUED FOR DETAIL DESIGN
C	08/09/15	MM	CP	ISSUED FOR SQUAD CHECK
D	15/10/15	MM	CP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	CP	ISSUED CLIENT APPROVAL
0	25/11/15	MM	CP	ISSUED FOR CONSTRUCTION



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**MESCH**

arquitetos

CLIENT



**MOZAMBIQUE**  
GAS DEVELOPMENT PROJECT



**Anadarko**  
Moçambique Área 1, Lda

PROJECT  
AMA 1  
RESETTLEMENT  
VILLAGE

DRAWING DESCRIPTION  
PLANTA DO PASSEIO DO  
MERCADO

MARKET SIDEWALK LAYOUT

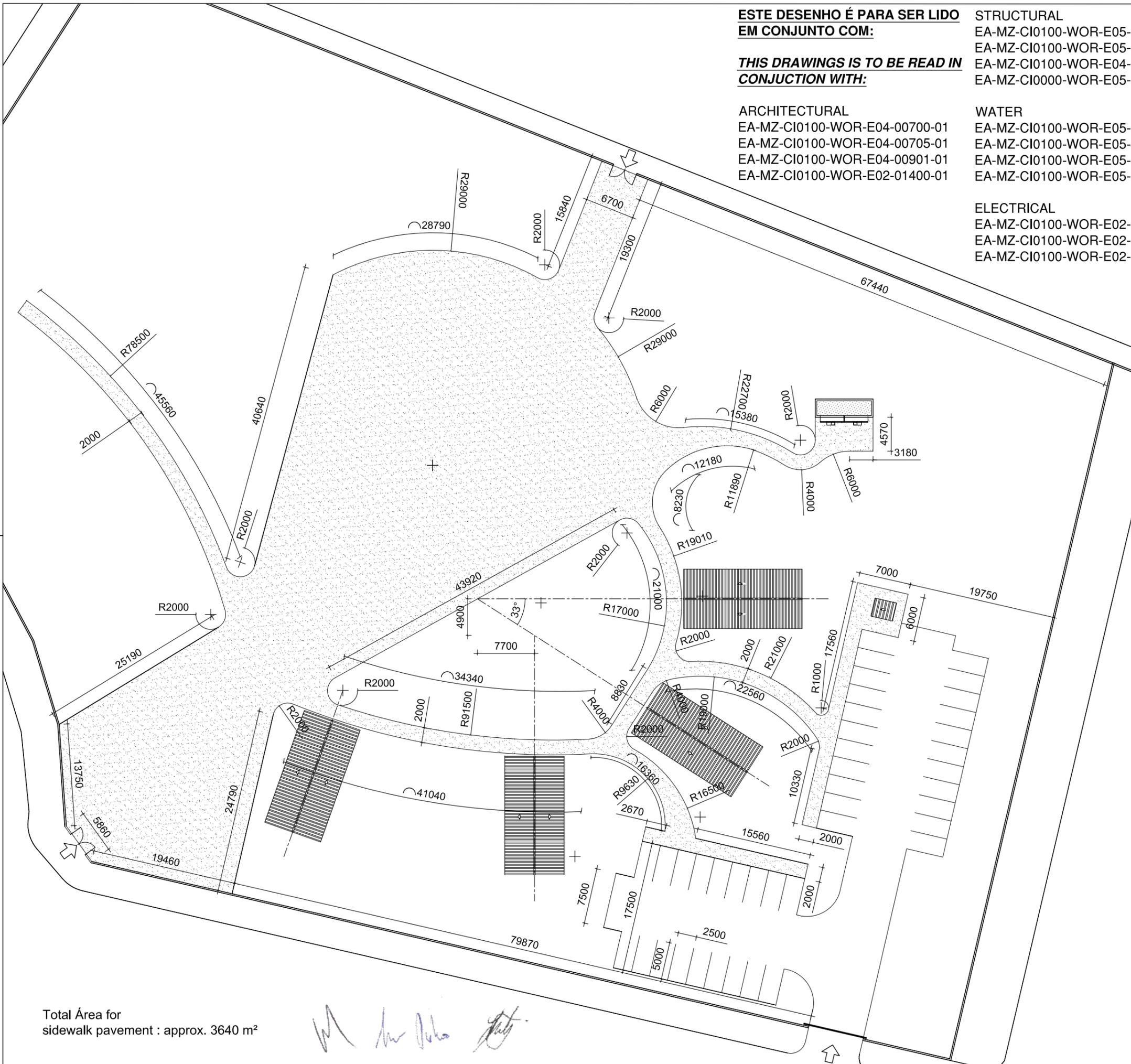
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A3@ 1:250

DATE  
NOV 2015

DRAWING NUMBER:  
C00290-00-AR-DLP-0034-001

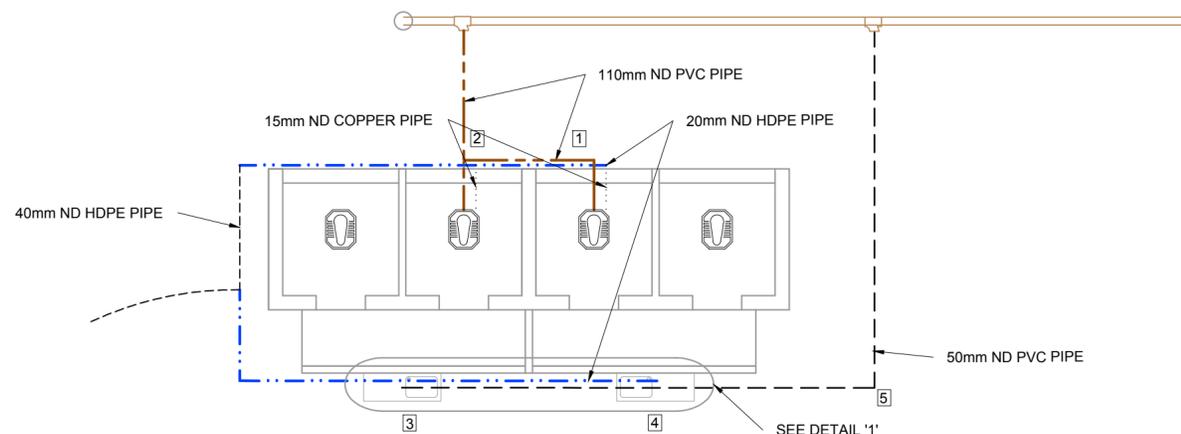
REV Nº  
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ANADARKO DRAWING NUMBER:  
EA-MZ-CI0100-WOR-E05-00200-01



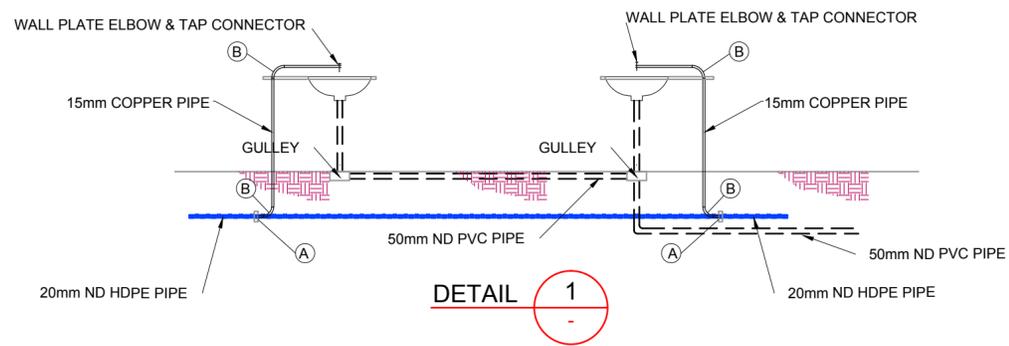
Total Área for sidewalk pavement : approx. 3640 m<sup>2</sup>

*Handwritten signature and initials*

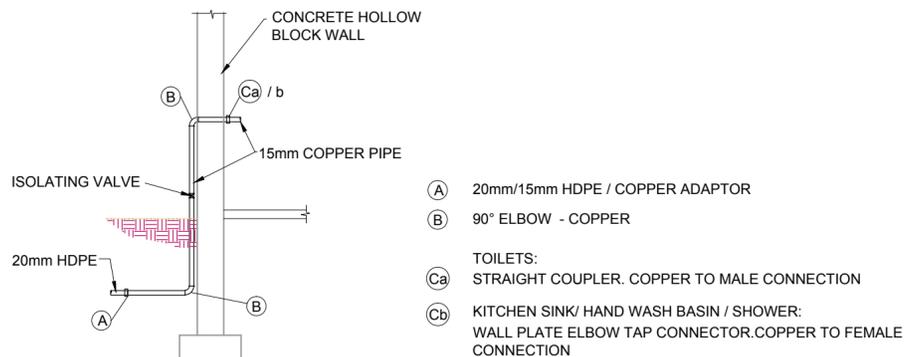


PLAN - MARKET TOILETS

1:50



DETAIL 1



TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

NTS

COMMUNITY FACILITIES - ADMIN. CENTRE INTERNAL DRAINAGE CONNECTIONS			
PUBLIC TOILET			
No	DESCRIPTION	UNIT	QUANTITY
1	110x50mm - 87.5° VENTHORN BEND	No.	1
	50mm VENT COWL	No.	1
	110 - 87.5° PLAIN BEND	No.	1
	110 ND PVC PIPE	m	3m
	110x50mm - 87.5° VENTHORN BEND	No.	1
2	50mm VENT COWL	No.	1
	110 - 87.5° PLAIN BEND	No.	1
	110mm - SINGLE 87.5° PLAIN JUNCTION	No.	1
	110 ND PVC PIPE	m	3m
	S-TRAP	No.	1
3	50mm ND PVC PIPE	m	4m
	DRAIN GULLEY COMPLETE	No.	1
	S-TRAP	No.	1
4	50mm ND PVC PIPE	m	3m
	DRAIN GULLEY COMPLETE	No.	1
	50 - 87.5° PLAIN BEND	No.	1
5	50mm ND PVC PIPE	m	6m

COMMUNITY FACILITIES - COMMUNITY CENTRE WATER SUPPLY			
ADMIN. BUILDING			
No	DESCRIPTION	UNIT	QUANTITY
A	20mm/15mm HDPE / COPPER ADAPTOR	No.	4
B	90° ELBOW - COPPER	No.	8
Ca	TOILETS:		
	STRAIGHT COUPLER. COPPER TO MALE CONN.	No.	2
Cb	KITCHEN SINK/ HAND WASH BASIN / SHOWER:		
	WALL PLATE ELBOW TAP CONNECTOR. Cu TO FEM. CONN.	No.	2
	15mm COPPER PIPE	m	5m
	20mm ND HDPE PIPE	m	13m

NOTES

REFERENCE DRAWINGS:  
MARKET:  
C00290-00-WW-DRD-0024-001

LEGEND:

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REVISIONS

NO.	DATE	CHECKED BY	APPROVED BY	DESCRIPTION
A	29/10/15	AR	AR	ISSUED FOR INTERNAL REVIEW
B	17/10/15	AR	AR	ISSUED FOR DETAIL DESIGN
C	18/10/15	AR	AR	ISSUED FOR SQUAD CHECK
D	23/10/15	AR	AR	ISSUED FOR CLIENT REVIEW
E	25/11/15	CT	CT	ISSUED FOR CLIENT APPROVAL
Q	08/12/15	CT	CT	ISSUED FOR CONSTRUCTION

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NAME	SIGNATURE	DATE
DRAWN BY: A. RAJAH		29/10/2015
CHECKED: L. PADAYACHEE		29/10/2015
DESIGNER: L. PADAYACHEE		29/10/2015
PR ENG: L. PADAYACHEE		29/10/2015
PROJECT ENG MANAGER: L. PADAYACHEE		29/10/2015
LOCAL PR ENG:		
CLIENT:		

CLIENT



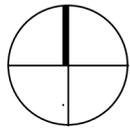
PROJECT  
AMA 1  
RESETTLEMENT  
VILLAGE

DRAWING DESCRIPTION  
COMMUNITY FACILITIES  
MARKET  
TOILETS  
INTERNAL RETICULATIONS

SCALE 1:50 ORIGINAL DWG SIZE A1 DATE NOVEMBER 2015

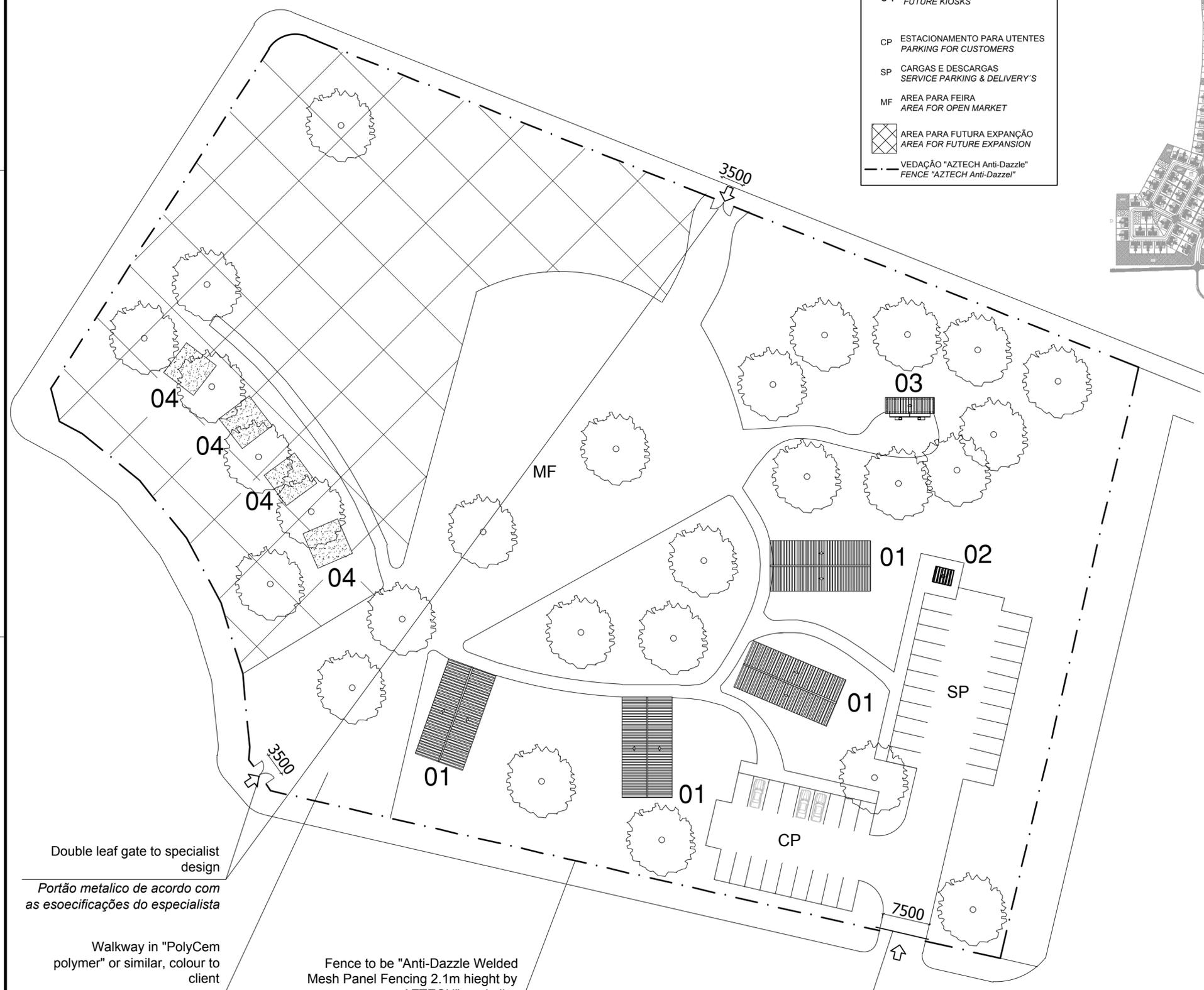
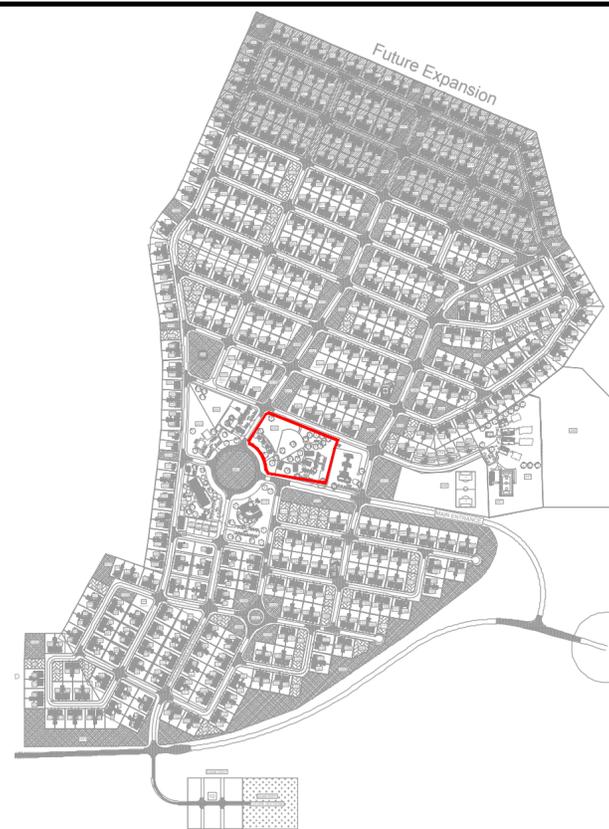
DRAWING NUMBER C00290-00-PL-DRD-0007-001 REV NO 0

ANADARKO DRAWING NUMBER EZ-MZ-CI0100-WOR-E05-00112-01



**LEGENDA / LEGEND**

- 01 BLOCO PARA VENDAS  
BLOCK FOR SALES
- 02 BLOCO MULTIFUNCIONAL -  
ADMISTRAÇÃO DO MERCADO  
MULTIPURPOSE BUILDING -  
MARKET ADMINISTRATION
- 03 LATRINAS  
PUBLIC TOILETS
- 04 FUTUROS QUIOSQUES  
FUTURE KIOSKS
  
- CP ESTACIONAMENTO PARA UTENTES  
PARKING FOR CUSTOMERS
- SP CARGAS E DESCARGAS  
SERVICE PARKING & DELIVERY'S
- MF AREA PARA FEIRA  
AREA FOR OPEN MARKET
  
- AREA PARA FUTURA EXPANÇÃO  
AREA FOR FUTURE EXPANSION
- VEDAÇÃO "AZTECH Anti-Dazzle"  
FENCE "AZTECH Anti-Dazzle"



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

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

ARCHITECTURAL  
EA-MZ-CI0100-WOR-E04-00700-01  
EA-MZ-CI0100-WOR-E04-00705-01  
EA-MZ-CI0100-WOR-E04-00901-01  
EA-MZ-CI0100-WOR-E02-01400-01

STRUCTURAL  
EA-MZ-CI0100-WOR-E05-00716-01  
EA-MZ-CI0100-WOR-E05-00756-01  
EA-MZ-CI0100-WOR-E04-00004-01  
EA-MZ-CI0000-WOR-E05-00061-01

WATER  
EA-MZ-CI0100-WOR-E05-00795-01  
EA-MZ-CI0100-WOR-E05-00795-02  
EA-MZ-CI0100-WOR-E05-00795-03  
EA-MZ-CI0100-WOR-E05-00112-01

ELECTRICAL  
EA-MZ-CI0100-WOR-E02-00730-01  
EA-MZ-CI0100-WOR-E02-00731-01  
EA-MZ-CI0100-WOR-E02-00732-01

Double leaf gate to specialist design

Portão metalico de acordo com as esoeçificações do especialista

Walkway in "PolyCem polymer" or similar, colour to client

Passeio em "PolyCem polymer" ou semelhante, cor a ser decidida pelo cliente

Fence to be "Anti-Dazzle Welded Mesh Panel Fencing 2.1m hieght by AZTECH" or similar

Vedação sera "AZTECH Anti-Dazzle Welded Mesh Panel Fencing" com 2.1m de altura de acordo com as especificações do fabricante ou semelhante

Sliding gate to specialist design

Portão metalico de acordo com as esoeçificações do especialista

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NO.	DATE	CHECKED	DONE BY	DESCRIPTION
A	08/09/15	MM	AP	ISSUED FOR INTERNAL REVIEW
B	08/09/15	MM	AP	ISSUED FOR DETAIL DESIGN
C	08/09/15	MM	AP	ISSUED FOR SQUAD CHECK
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW
E	16/11/15	MM	AP	ISSUED CLIENT APPROVAL
0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION

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WorleyParsons RSA (Pty) Ltd.

	NAME	SIGNATURE	DATE
DRAWN BY:	AP		
CHECKED :	MM		
DESIGNER :	AP		
PROJECT ENG MANAGER	L PADAYACHEE		
LOCAL PR ENG :			
CLIENT:			

PROJECT  
**AMA 1  
RESETTLEMENT  
VILLAGE**

DRAWING DESCRIPTION  
**PLANTA GERAL DO MERCADO**

**MARKET SITE PLAN**

SCALE **1:500** DATE **NOV 2015**  
ORIGINAL DWG SIZE A2

DRAWING NUMBER **C00290-00-AR-DLP-0117-001** REV NO **0**

ANADARKO DRAWING NUMBER  
**EA-MZ-CI0100-WOR-E04-00705-01**

	<i>Mozambique Gas Development</i>		 Moçambique Área 1, Lda  
	Resettlement Plan		
	Annex I: Construction drawings		
Rev. 1	Rev Date: 27-May-16		

## 10. MASS EARTH WORKS



**NOTES**

**LEGEND**

▬ FUTURE DEVELOPMENT

REFERENCE DWG's No:  
1. EA-MZ-CI000-WOR-E05-00018-01

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A	04/08/15	D. du TOIT	A.U.	ISSUED FOR INTERNAL REVIEW
B	09/09/15	D. du TOIT	A.U.	ISSUED FOR DETAIL DESIGN
C	28/09/15	D. du TOIT	A.U.	ISSUED FOR SQUAD CHECK
D	13/10/15	D. du TOIT	A.U.	ISSUED FOR CLIENT REVIEW
E	30/10/15	D. du TOIT	A.U.	ISSUED FOR CLIENT APPROVAL
F	01/12/15	D. du TOIT	A.U.	ISSUED FOR CONSTRUCTION

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WorleyParsons RSA (Pty) Ltd.

NAME	SIGNATURE	DATE
DRAWN BY: A.UJUMA		01/12/2015
CHECKED: D. du TOIT		01/12/2015
DESIGNER: R. van SCHALKWYK		01/12/2015
PR ENG: D. du TOIT Pr. No. 201170110		01/12/2015
PROJECT ENG MANAGER: L. PADAYACHEE Pr. No.		01/12/2015
LOCAL PR ENG:		
CLIENT:		



**PROJECT  
AMA 1  
RESETTLEMENT  
VILLAGE**  
DRAWING DESCRIPTION

**MASS EARTH WORKS  
PLATFORMS SETTING OUT PLAN**

SCALE: 1:2000 ORIGINAL DWG SIZE A1 DATE: DECEMBER 2015

DRAWING NUMBER: C00290-00-CI-DLP-0012-004 REV NO: 0

ANADARKO DRAWING NUMBER: EA-MZ-CI000-WOR-E05-00018-04

**SETTING OUT COORDINATES PLATFORM 7 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P7_1	663444.478	8801791.216	30.332
P7_2	663433.076	8801797.916	30.415
P7_3	663414.707	8801805.826	30.542
P7_4	663396.337	8801813.735	30.670
P7_5	663377.968	8801821.645	30.798
P7_6	663359.598	8801829.554	30.925
P7_7	663341.229	8801837.464	31.053
P7_8	663322.552	8801843.184	31.172
P7_9	663311.995	8801827.145	31.265
P7_10	663303.984	8801808.820	31.357
P7_11	663295.974	8801790.494	31.450
P7_12	663293.150	8801771.845	31.436

**SETTING OUT COORDINATES PLATFORM 7 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P7_13	663311.188	8801763.300	31.309
P7_14	663329.558	8801755.390	31.189
P7_15	663347.927	8801747.480	31.069
P7_16	663366.297	8801739.571	30.948
P7_17	663384.666	8801731.661	30.828
P7_18	663403.036	8801723.751	30.708
P7_19	663419.680	8801726.706	30.616
P7_20	663427.612	8801745.065	30.532
P7_21	663435.544	8801763.425	30.444
P7_22	663443.476	8801781.785	30.331
P7_23	663431.863	8801754.905	30.487
P7_24	663413.493	8801762.813	30.936

**SETTING OUT COORDINATES PLATFORM 7 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P7_25	663395.123	8801770.722	31.386
P7_26	663376.753	8801778.631	31.835
P7_27	663358.384	8801786.540	31.940
P7_28	663340.014	8801794.448	31.740
P7_29	663321.644	8801802.357	31.540

**SETTING OUT COORDINATES PLATFORM 8 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P8_1	663587.553	8801668.669	29.328
P8_2	663569.532	8801659.996	29.911
P8_3	663551.505	8801659.823	30.137
P8_4	663533.135	8801667.732	30.231
P8_5	663514.766	8801675.642	30.324
P8_6	663496.397	8801683.552	30.417
P8_7	663478.027	8801691.461	30.510
P8_8	663459.658	8801699.371	30.604
P8_9	663441.288	8801707.281	30.697
P8_10	663434.084	8801722.225	30.789
P8_11	663442.016	8801740.585	30.705
P8_12	663449.949	8801758.945	30.616

**SETTING OUT COORDINATES PLATFORM 8 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P8_13	663457.881	8801777.305	30.501
P8_14	663474.614	8801780.030	30.168
P8_15	663492.984	8801772.121	29.853
P8_16	663511.353	8801764.211	29.538
P8_17	663529.723	8801756.301	29.223
P8_18	663548.092	8801748.392	28.908
P8_19	663565.402	8801738.980	28.421
P8_20	663570.973	8801719.966	28.557
P8_21	663575.811	8801700.560	28.771
P8_22	663581.290	8801681.344	28.974
P8_23	663445.640	8801748.973	30.667
P8_24	663464.010	8801741.064	30.867

**SETTING OUT COORDINATES PLATFORM 8 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P8_25	663482.380	8801733.155	31.067
P8_26	663500.750	8801725.247	31.267
P8_27	663519.120	8801717.338	31.107
P8_28	663537.490	8801709.429	30.407
P8_29	663555.859	8801701.520	29.707
P8_30	663574.229	8801693.612	29.007

**SETTING OUT COORDINATES PLATFORM 9 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P9_1	663111.773	8801831.043	32.558
P9_2	663100.441	8801837.713	32.571
P9_3	663082.072	8801845.623	32.674
P9_4	663063.702	8801853.533	32.777
P9_5	663045.333	8801861.442	32.880
P9_6	663026.963	8801869.352	32.983
P9_7	663008.594	8801877.262	33.087
P9_8	662990.224	8801885.171	33.190
P9_9	662972.677	8801894.490	33.458
P9_10	662964.611	8801896.189	33.556
P9_11	662956.545	8801847.888	33.654
P9_12	662948.479	8801829.586	33.752

**SETTING OUT COORDINATES PLATFORM 9 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P9_13	662953.582	8801813.821	33.853
P9_14	662971.940	8801805.886	33.743
P9_15	662990.299	8801797.951	33.632
P9_16	663008.657	8801790.016	33.522
P9_17	663027.016	8801782.080	33.411
P9_18	663045.374	8801774.145	33.301
P9_19	663063.733	8801766.210	33.190
P9_20	663082.503	8801761.128	32.993
P9_21	663091.920	8801778.534	32.832
P9_22	663099.932	8801796.859	32.747
P9_23	663107.945	8801815.184	32.662

**SETTING OUT COORDINATES PLATFORM 10 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P10_1	663261.936	8801768.176	31.550
P10_2	663243.567	8801776.085	31.639
P10_3	663225.197	8801783.995	31.739
P10_4	663206.828	8801791.905	31.839
P10_5	663188.459	8801799.814	31.939
P10_6	663170.089	8801807.724	32.038
P10_7	663151.720	8801815.633	32.138
P10_8	663133.225	8801822.901	32.261
P10_9	663121.432	8801808.588	32.485
P10_10	663113.419	8801790.263	32.570
P10_11	663105.407	8801771.938	32.655
P10_12	663099.799	8801753.256	32.765

**SETTING OUT COORDINATES PLATFORM 10 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P10_13	663116.542	8801743.384	32.745
P10_14	663134.900	8801735.449	32.650
P10_15	663153.259	8801727.513	32.555
P10_16	663171.617	8801719.578	32.460
P10_17	663189.976	8801711.643	32.365
P10_18	663208.334	8801703.708	32.269
P10_19	663226.692	8801695.771	31.997
P10_20	663236.407	8801709.768	31.808
P10_21	663244.417	8801728.094	31.716
P10_22	663252.427	8801746.420	31.623
P10_23	663260.437	8801764.746	31.549

**SETTING OUT COORDINATES PLATFORM 11 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P11_1	663371.165	8801633.326	31.241
P11_2	663352.806	8801641.261	31.342
P11_3	663334.448	8801649.196	31.442
P11_4	663316.090	8801657.132	31.543
P11_5	663297.731	8801665.067	31.644
P11_6	663279.373	8801673.002	31.744
P11_7	663261.014	8801680.937	31.845
P11_8	663254.965	8801696.872	31.924
P11_9	663262.975	8801714.998	31.832
P11_10	663270.986	8801733.324	31.739
P11_11	663278.996	8801751.650	31.646
P11_12	663296.393	8801753.339	31.547

**SETTING OUT COORDINATES PLATFORM 11 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P11_13	663314.763	8801745.429	31.427
P11_14	663333.132	8801737.520	31.307
P11_15	663351.502	8801729.610	31.187
P11_16	663369.871	8801721.700	31.066
P11_17	663388.240	8801713.791	30.946
P11_18	663405.921	8801704.822	30.812
P11_19	663402.240	8801686.338	30.800
P11_20	663394.307	8801667.978	30.885
P11_21	663386.375	8801649.618	30.969
P11_22	663376.131	8801633.348	31.140

**SETTING OUT COORDINATES PLATFORM 12 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P12_1	663544.397	8801646.552	30.323
P12_2	663526.028	8801654.461	30.417
P12_3	663507.658	8801662.371	30.510
P12_4	663489.289	8801670.281	30.603
P12_5	663470.919	8801678.190	30.696
P12_6	663452.550	8801686.100	30.790
P12_7	663434.180	8801694.010	30.883
P12_8	663419.013	8801687.342	30.949
P12_9	663411.081	8801668.982	31.033
P12_10	663403.149	8801650.622	31.117
P12_11	663395.217	8801632.262	31.201
P12_12	663405.444	8801618.509	31.053

**SETTING OUT COORDINATES PLATFORM 12 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P12_13	663423.802	8801610.574	30.953
P12_14	663442.161	8801602.639	30.852
P12_15	663460.304	8801605.756	30.695
P12_16	663478.341	8801614.398	30.581
P12_17	663496.377	8801623.040	30.468
P12_18	663514.414	8801631.683	30.354
P12_19	663532.450	8801640.325	30.241
P12_20	663497.109	8801623.391	30.463
P12_21	663478.739	8801631.300	30.912
P12_22	663460.369	8801639.208	31.360
P12_23	663441.999	8801647.117	31.436
P12_24	663423.629	8801655.026	31.236

**SETTING OUT COORDINATES PLATFORM 13 WGS84 / UTM37S**

POINT	E	N	ELEVATION
P13_1	663073.881	8801737.277	33.024
P13_2	663062.300	8801750.488	32.983
P13_3	663043.942	8801758.423	33.093