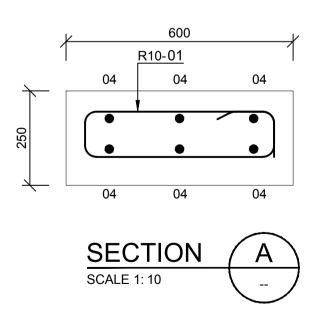
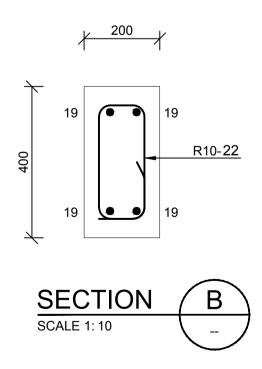


STRIP FOUNDATIONS REINFORCEMENT SCALE 1 : 50



RING BEAMS REINFORCEMENT SCALE 1 : 50



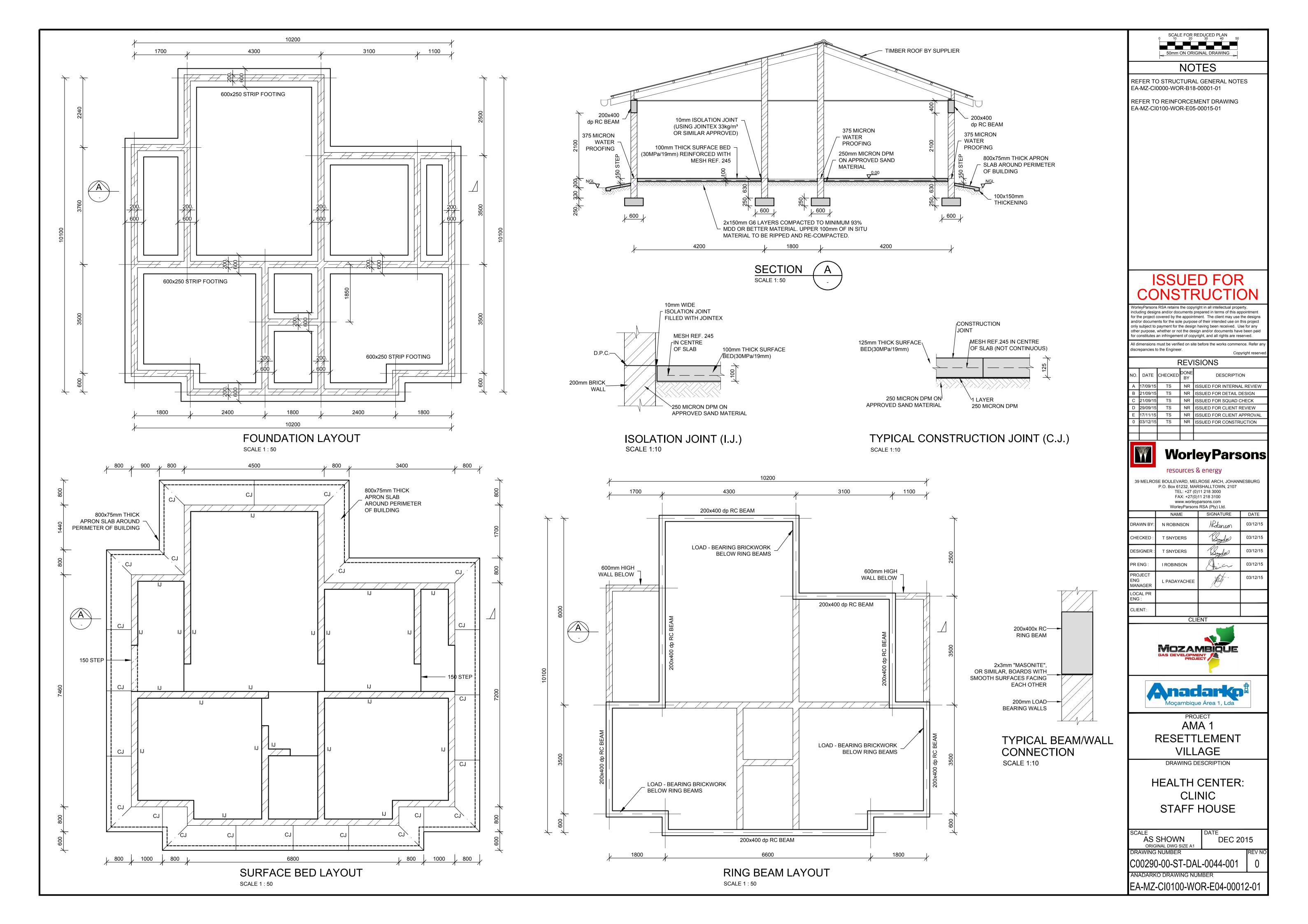
2Y16 - 20 T&B

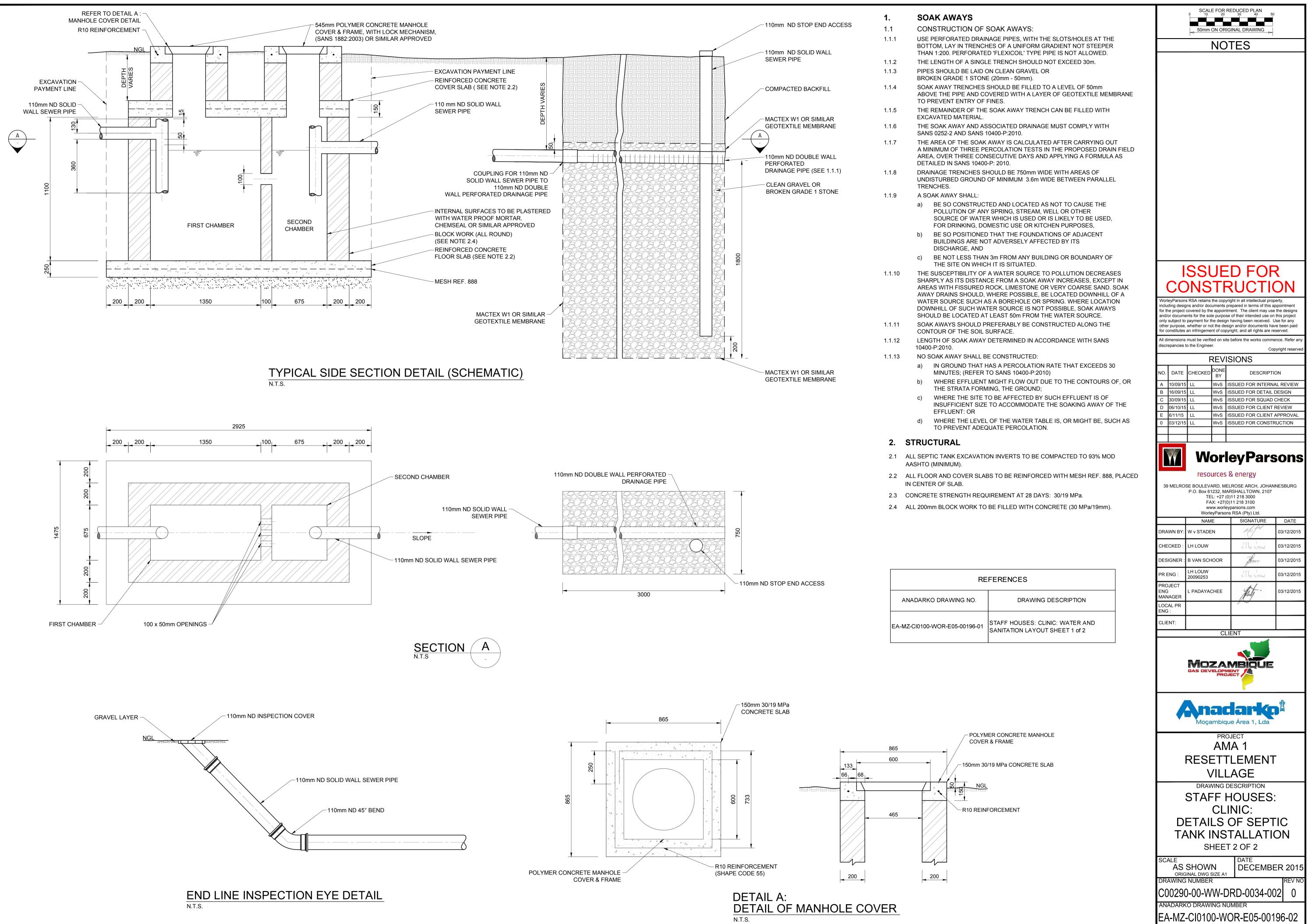
2Y16 - 20 T&B

SCALE FOR REDUCED PLAN NOTES REFER TO STRUCTURAL GENERAL NOTES EA-MZ-CI0000-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 **ISSUED FOR** CONSTR WorleyParsons RSA retains the copyright in all intellectual property, including designs and/or documents prepared in terms of this appointment for the project covered by the appointment. The client may use the designs and/or documents for the sole purpose of their intended use on this project only subject to payment for the design having been received. Use for any other purpose, whether or not the design and/or documents have been paid for constitutes an infringement of copyright, and all rights are reserved. All dimensions must be verified on site before the works commence. Refer a discrepancies to the Engineer. Copyright reserv REVISIONS DESCRIPTION . DATE CHECKED TS NR ISSUED FOR INTERNAL REVIEW A 18/09/1 TS NR ISSUED FOR DETAIL DESIGN B 21/09/1 TS NR ISSUED FOR SQUAD CHECK 21/09/1 TS NR ISSUED FOR CLIENT REVIEW 29/09/15 TS NR ISSUED FOR CLIENT APPROVAL TS NR ISSUED FOR CONSTRUCTION **WorleyParsons** resources & energy 39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG P.O. Box 61232, MARSHALLTOWN, 2107 TEL: +27 (0)11 218 3000 FAX: +27(0)11 218 3100 www.worleyparsons.com WorleyParsons RSA (Pty) Ltd. NAME SIGNATURE DATE Rebinson DRAWN BY: N ROBINSON 03/12/15 Bryde CHECKED T SNYDERS 03/12/15 Bryde T SNYDERS 03/12/15 DESIGNER Aia PR ENG : I ROBINSON 03/12/15 PROJECT ENG MANAGER July 03/12/15 L PADAYACHEE LOCAL PR ENG : CLIENT: CLIENT MOZAMBIQUE Anadarko Noçambique Área 1, Ld PROJECT AMA 1 RESETTLEMENT VILLAGE DRAWING DESCRIPTION HEALTH CENTER: CLINIC STAFF HOUSE REINFORCEMENT LAYOUT SCALE DEC 2015 AS SHOWN ORIGINAL DWG SIZE A1 DRAWING NUMBER C00290-00-ST-DAL-0045-001 0

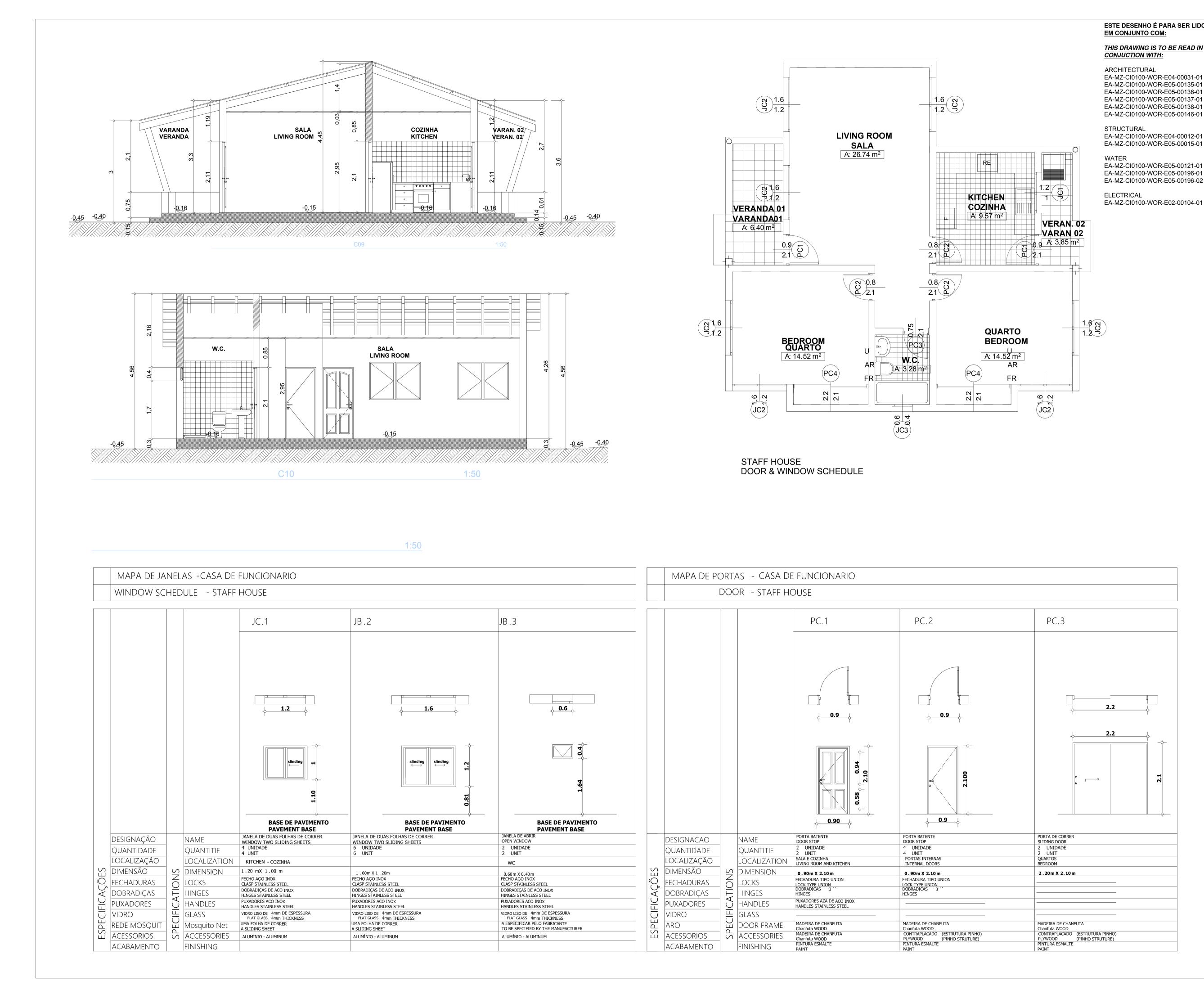
ANADARKO DRAWING NUMBER

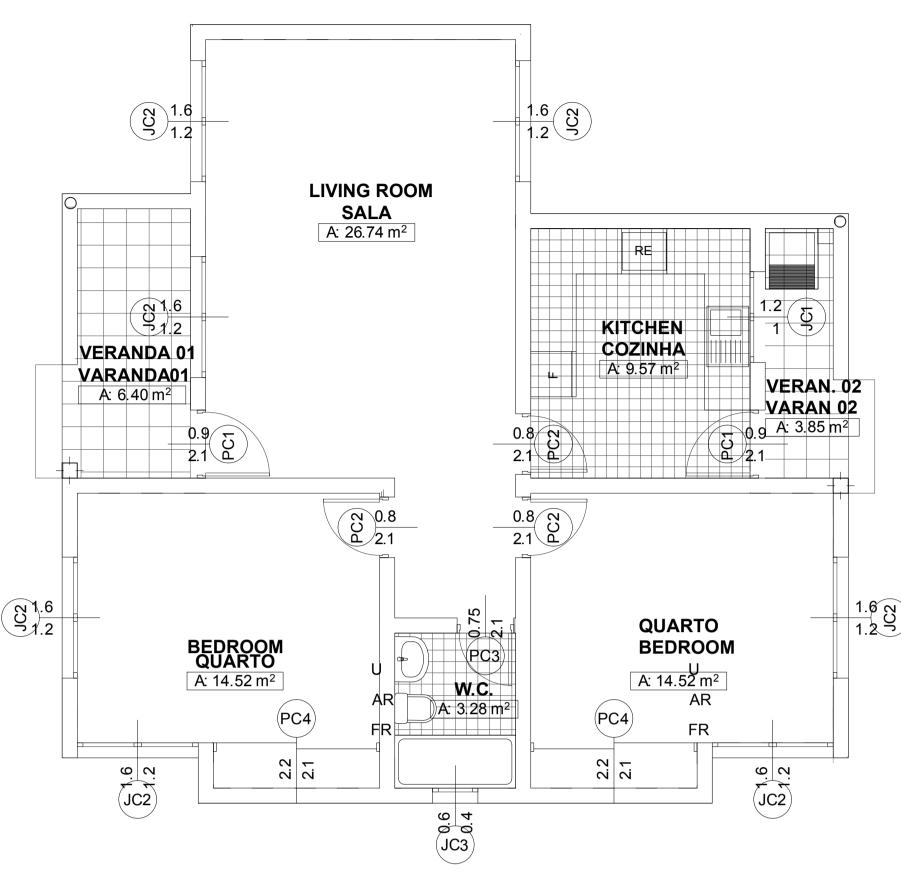
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ANADARKO DRAWING NO.	
EA-MZ-CI0100-WOR-E05-00196-01	STAFF SANIT/





ESTE DESENHO É PARA SER LIDO

THIS DRAWING IS TO BE READ IN CONJUCTION WITH:

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

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

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

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

SCALE FOR REDUCED PLAN ▃▀▃▀▃▀▃▀▃▀

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

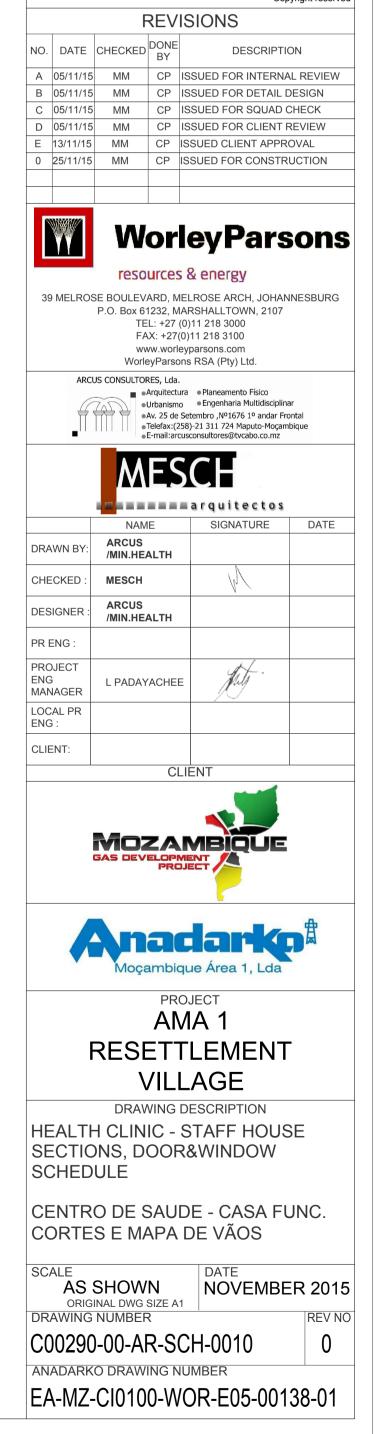
c) BACKFILL EXCAVATION WITH A MINIMUM OF 500mm OF THE MATERIAL ORIGINALLY EXCAVATED, LESS THE CLAY RICH COMPONENT. THIS MATERIAL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 150mm LOOSE THICKNESS AND COMPACTED TO 95% MDD TO FORM A BEARING PAD TO CONSTRUCT THE CONCRETE FOUNDATIONS ON.

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

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

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

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NOTES

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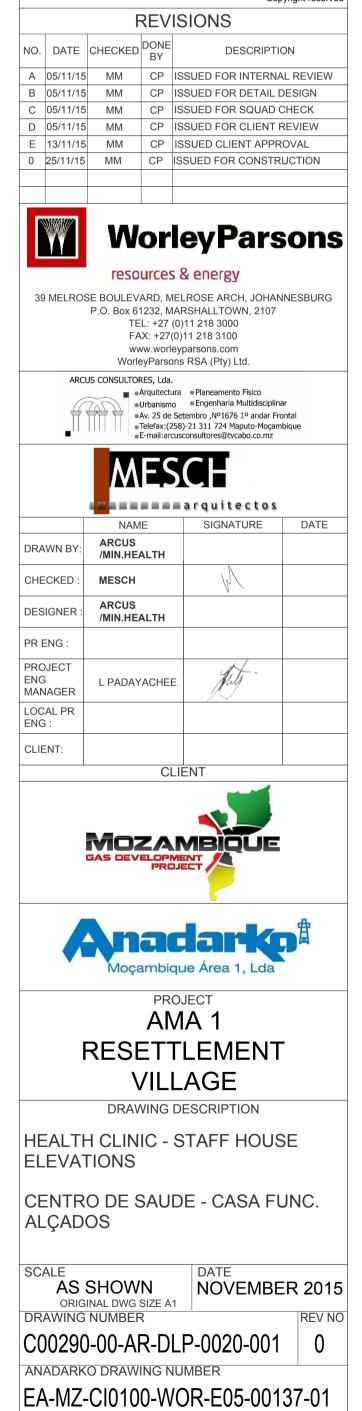
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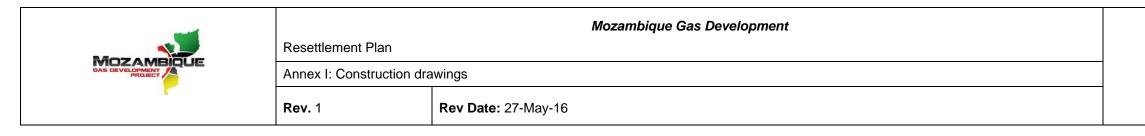
d) THE BEARING PAD SHOULD EXTEND TO AT LEAST 50% OF THE WIDTH OF THE CONCRETE FOUNDATION ON EITHER SIDE.

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

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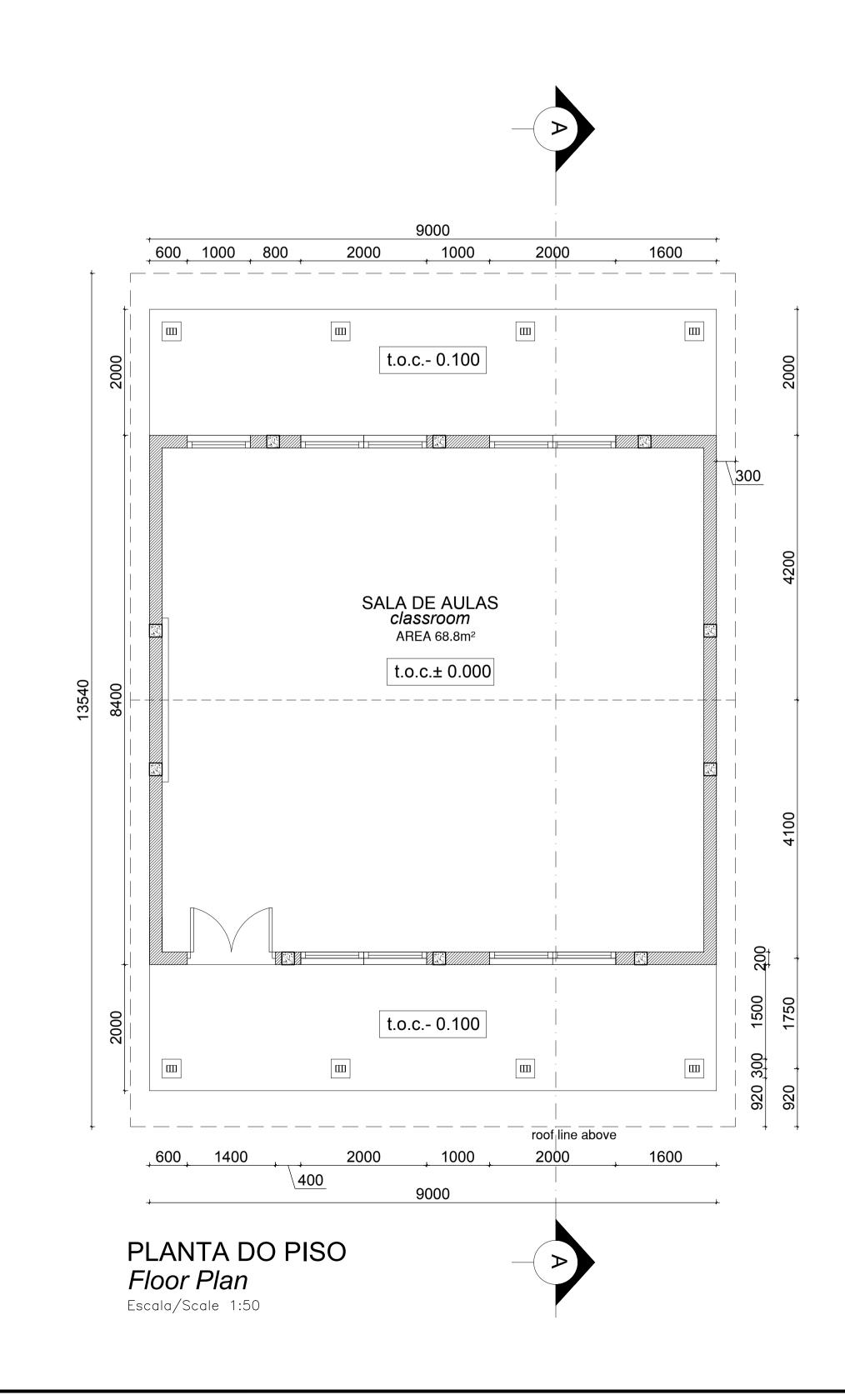


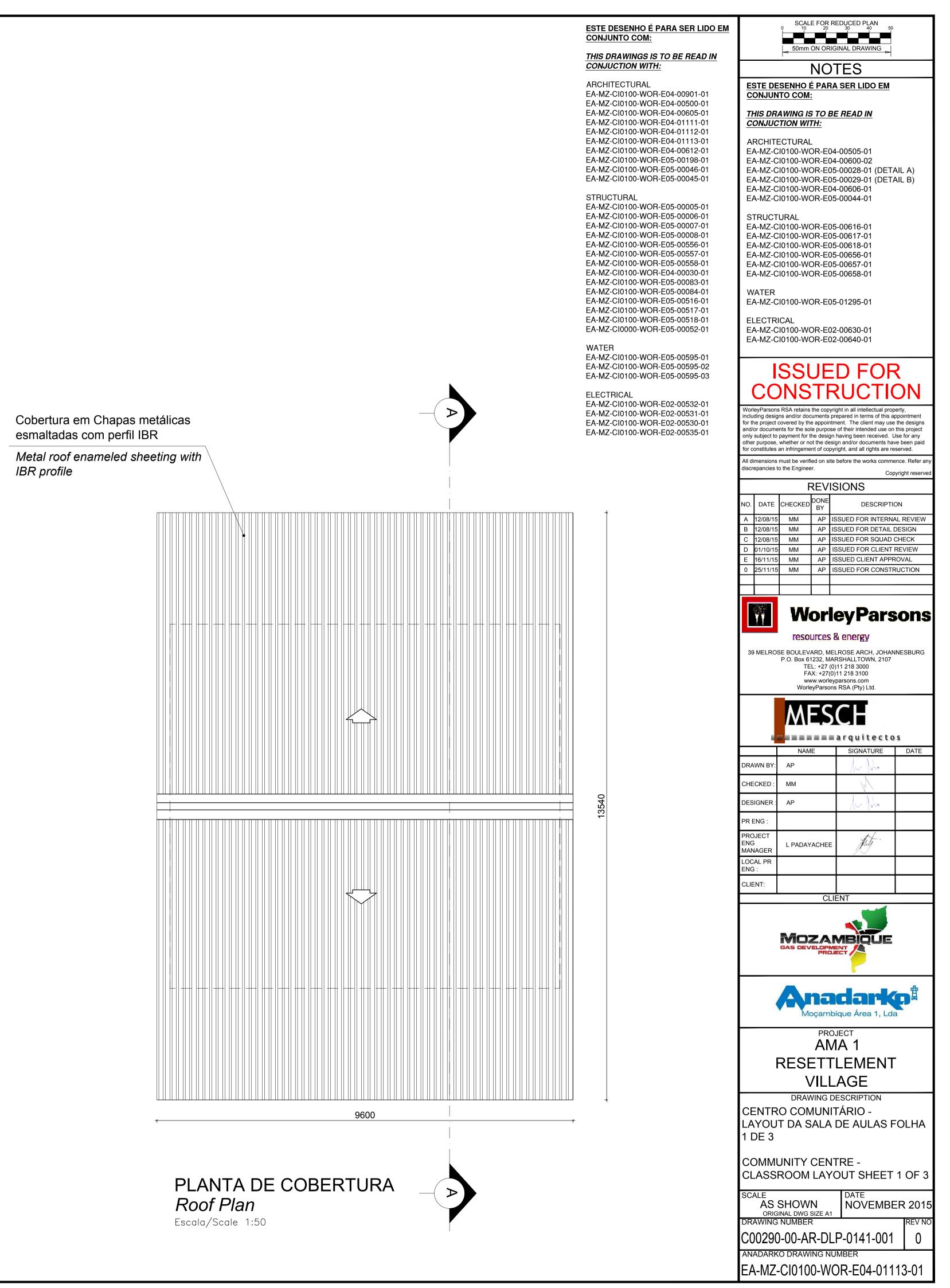


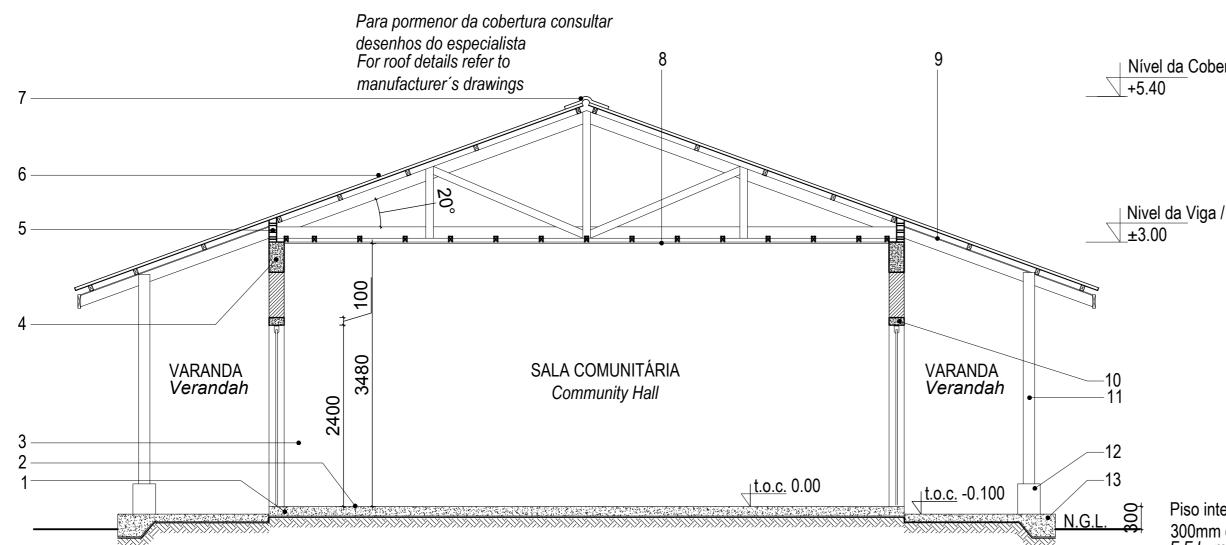
7. COMMUNITY CENTRE









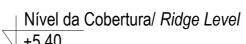


Corte A-A Section A-A Escala/Scale 1:50

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



Nivel da Viga / Beam Level

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

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THIS DRAWINGS IS TO BE READ IN **CONJUCTION 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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All dimensions must be verified on site before the works commence. Refer a discrepancies to the Engineer. Copyright reserve

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	REVISIONS						
NO.	DATE	CHECKED	DONE BY	DESCRIPTION			
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В	12/08/15	MM	AP	ISSUED FOR DETAIL DESIGN			
С	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK			
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW			
Е	16/11/15	MM	AP	ISSUED CLIENT APPROVAL			
0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION			

WorleyParsons

resources & energy

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

TEL: +27 (0)11 218 3000 FAX: +27(0)11 218 3100

www.worleyparsons.com WorleyParsons RSA (Pty) Ltd.

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	NAME	SIGNATURE	DATE		
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CHECKED :	MM	R			
DESIGNER :	AP	for Jula			
PROJECT ENG MANAGER	L PADAYACHEE	July .			
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PROJECT AMA 1

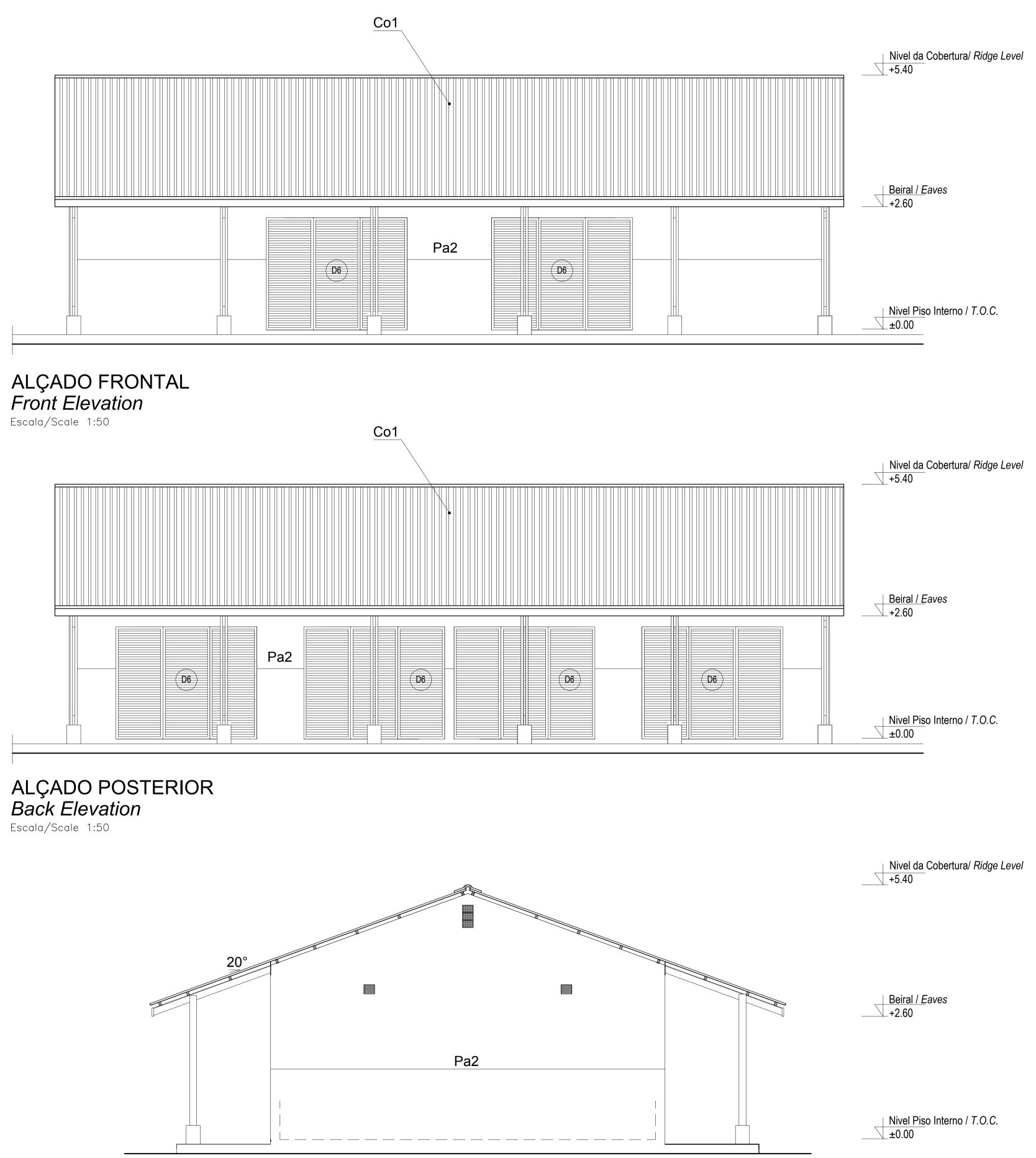
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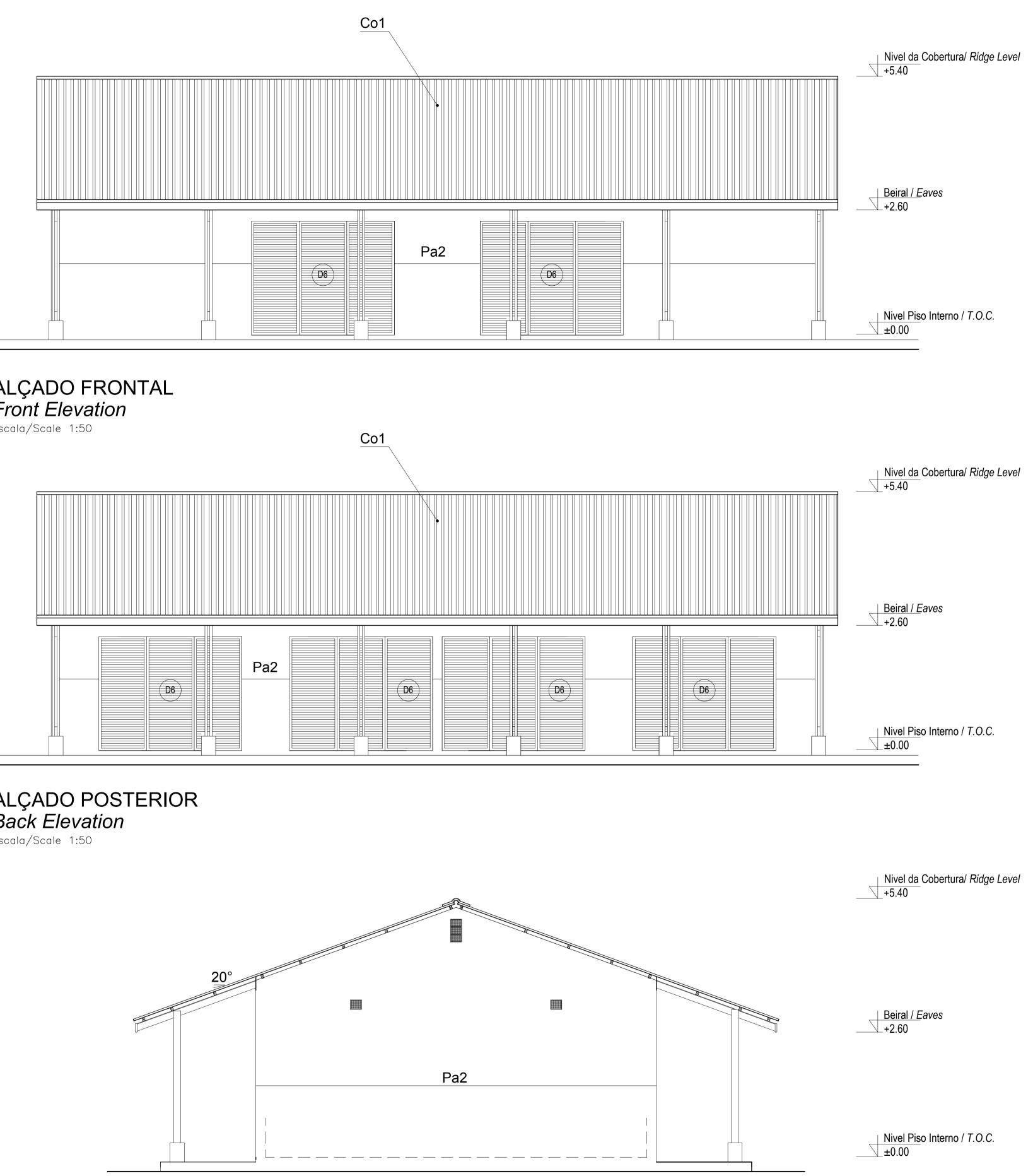
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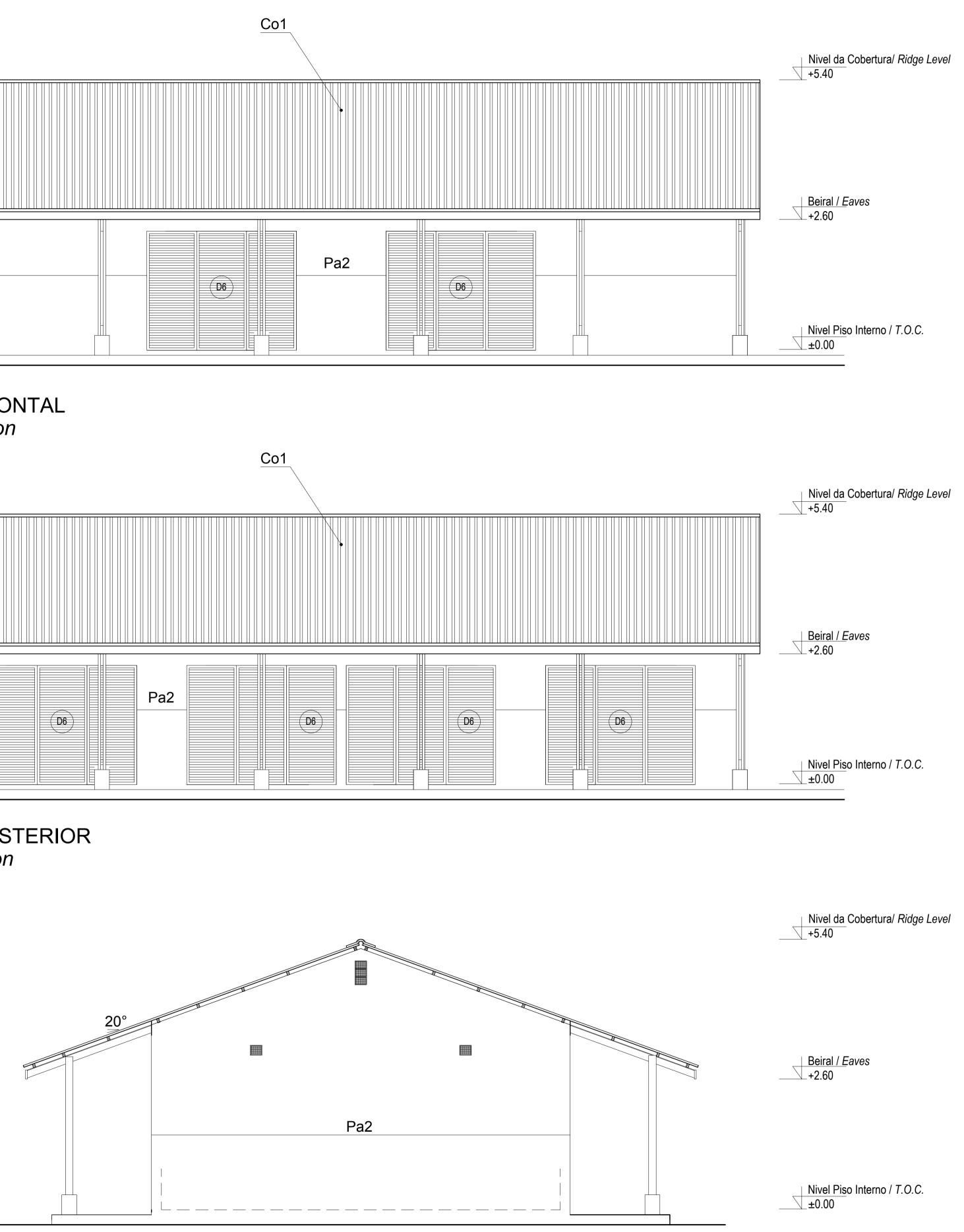
CENTRO COMUNITÁRIO - LAYOUT DA SALA COMUNITÁRIA FOLHA 3 DE

COMMUNITY CENTRE - MAIN HALL LAYOUT SHEET 3 OF 3

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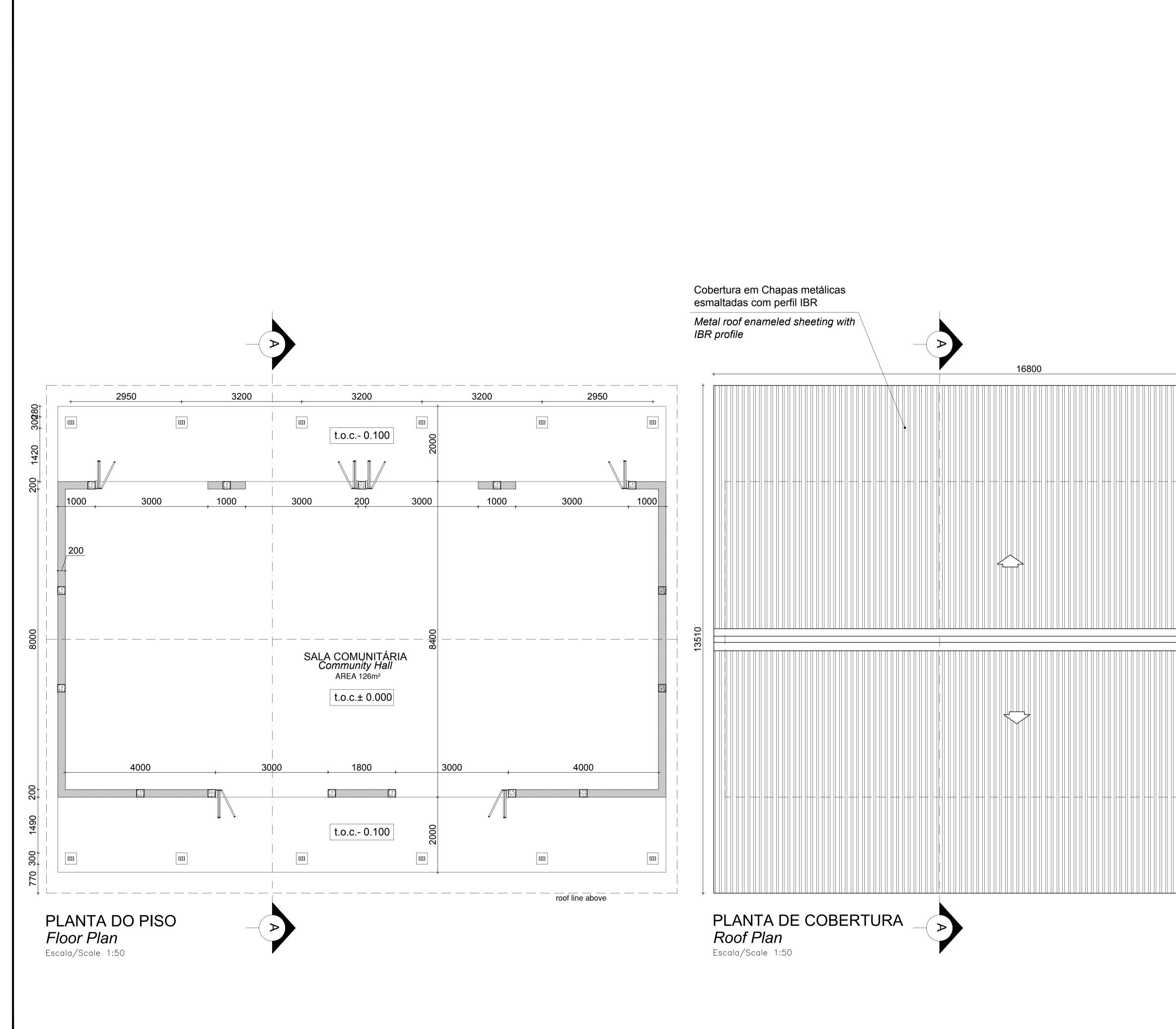




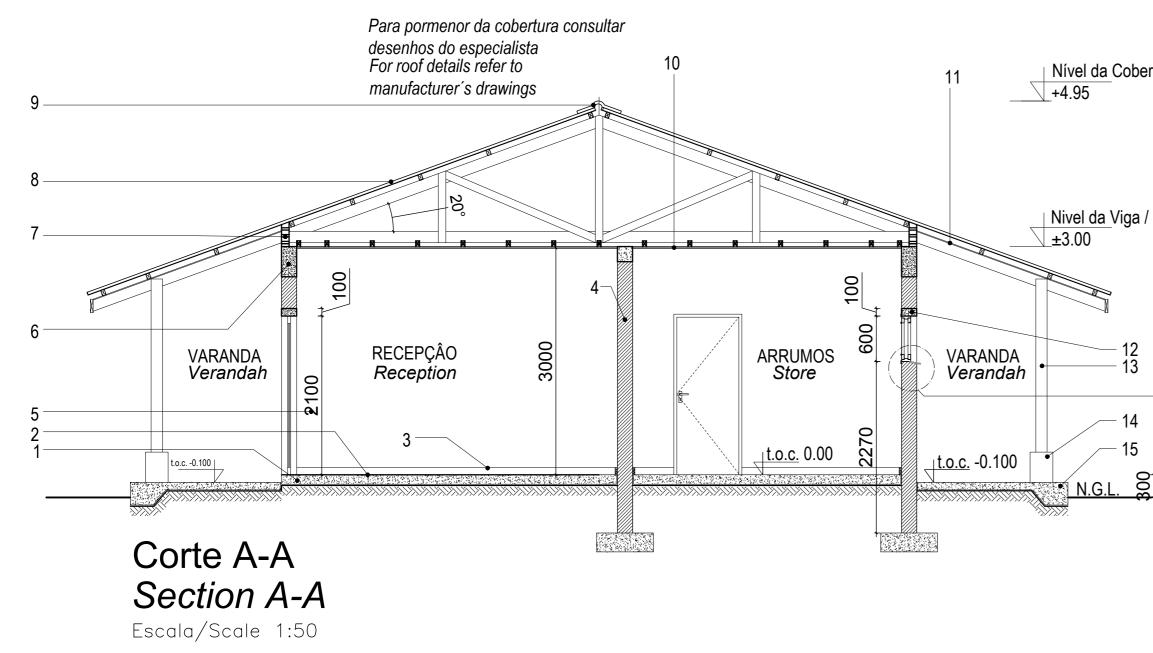
ALÇADO LATERAL Side Elevation Escala/Scale 1:50

<u>ESTE DESENHO É PARA SER LIDO EM</u> CONJUNTO COM:					
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EA-MZ-CI0100-WOR-E05-00517-01 EA-MZ-CI0100-WOR-E05-00518-01					
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WATER EA-MZ-CI0100-WOR-E05-00595-01					
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	0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION
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	SCALE FOR REDUCED PLAN
<u>ESTE DESENHO É PARA SER LIDO EM</u> CONJUNTO COM:	
THIS DRAWINGS IS TO BE READ IN CONJUCTION 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	NOTES
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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	ISSUED FOR CONSTRUCTION WorleyParsons RSA retains the copyright in all intellectual property, including designs and/or documents prepared in terms of this appointment
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	MESCH arquitectos NAME SIGNATURE DRAWN BY: AP
	CHECKED : MM W DESIGNER : AP
	PR ENG : PROJECT ENG MANAGER L PADAYACHEE
	ENG : CLIENT: CLIENT
	Moçambique Área 1, Lda
	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 REV NO C00290-00-AR-DLP-0140-001 0
	ANADARKO DRAWING NUMBER
	EA-MZ-CI0100-WOR-E04-01112-01



Legenda *Key*

1_Laje de pavimento em betão	9_Cumeeira em chapa esmaltada
Concrete slab	Enameled sheet ridge cap
2_Acabamento do pavimento em cimento queimado	10_Tecto falso em placas de gesso cartonado pintado a tinta
Concrete floor to have power float finish	sob estrutura de madeira
3_Rodapé em betonilha lisa, pintada a tinta esmalte com h=100mm	Ceiling in Gypsum board PVA painted under wooden structure
Painted concrete skirting	11_Tecto falso NUTEC em fibra de cimento
4_Alvenaria em blocos vazados com espessura de 200mm	<i>–</i> Fiber cement NUTEC soffit board
Walls in hollow block 200mm wide	12_Lintel em betão armado
5_Parede com reboco liso, pintada a tinta plástica	Concrete lintel
Wall with plain plaster and PVA painted	13 Pilar em madeira tratada
6_Viga de coroamento em betão armado	Treated timber column
Concrete ring beam	14_Base do pilar em betão, pitado a tinta plástica
7_Blocos ventiladores com rede mosquiteira sintectica	Concrete column base, painted with washable PVA paint
Vent blocks with mosquito net	15_Laje de pavimento da varanda
8_Cobertura em chapas metálicas esmaltadas com perfil IBR	Concrete verandah slab
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

Nível da Cobertura/ Ridge Level

Nivel da Viga / Beam Level

•	Pormenor/detail:
4	Desenho/drawing
	EA-MZ-CI0100-WOR-E05-00049-01
5	
St	Piso interno deve estar

300mm do piso terreo *F.F.L. must be min.* 300mm above n.g.l.

plástica

re

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Е	16/11/15	MM	AP	ISSUED CLIENT APPROVAL			
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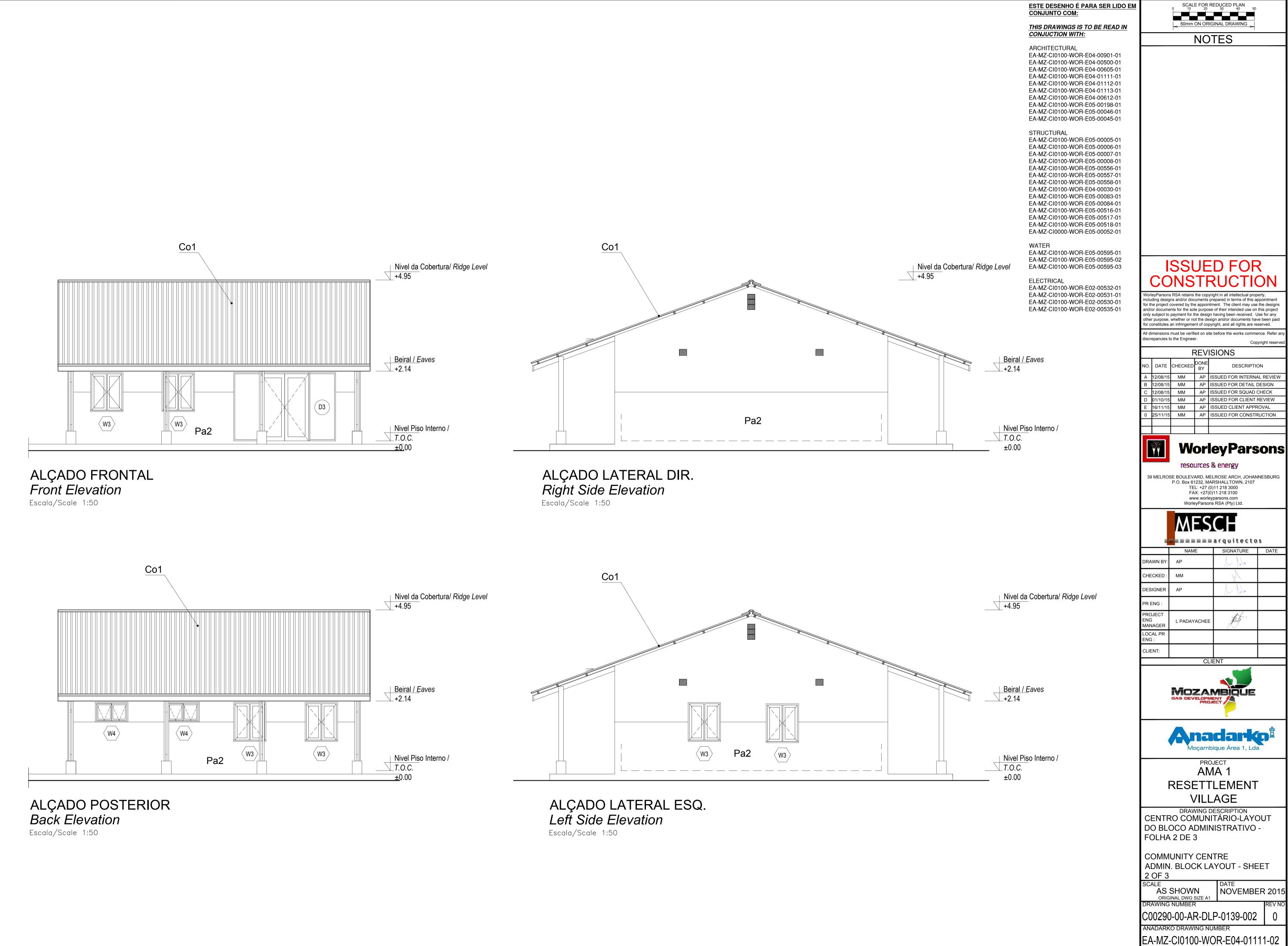
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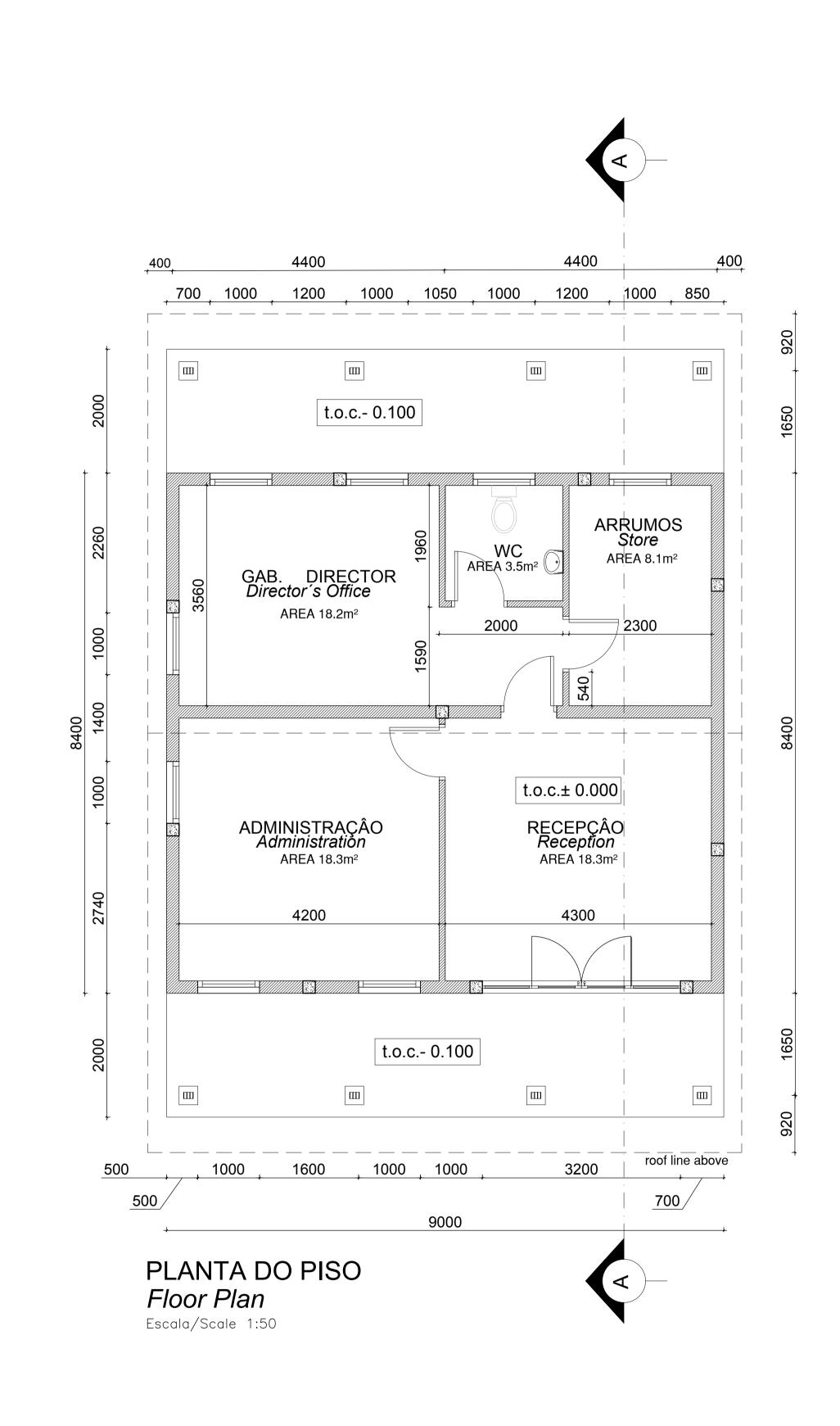
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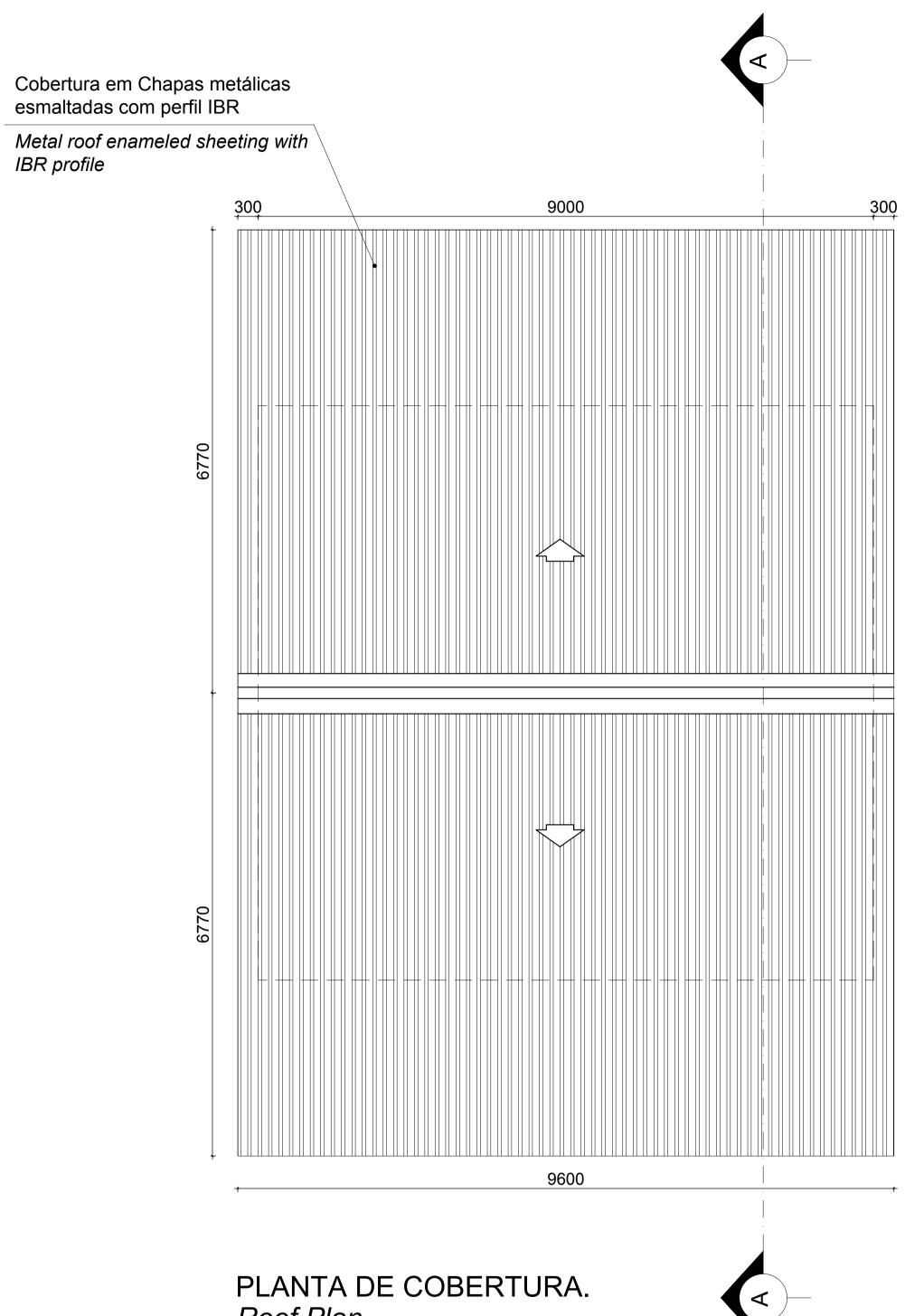
DRAWING DESCRIPTION CENTRO COMUNITÁRIO-LAYOUT DO BLOCO ADMINISTRATIVO -FOLHA 3 DE 3

COMMUNITY CENTRE ADMIN. BLOCK LAYOUT - SHEET 3 OF 3 DATE NOV 2015 SCALE AS SHOWN

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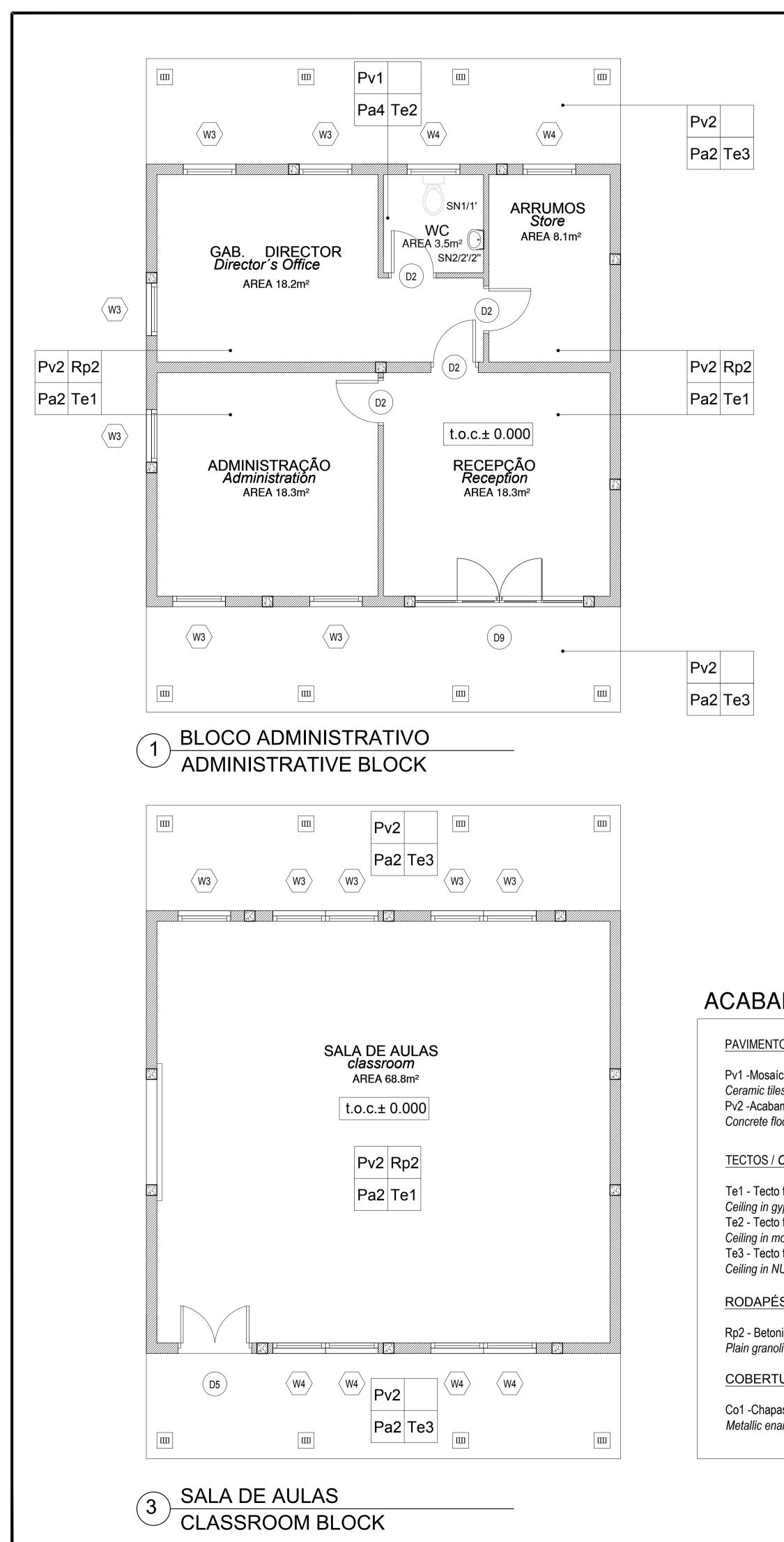


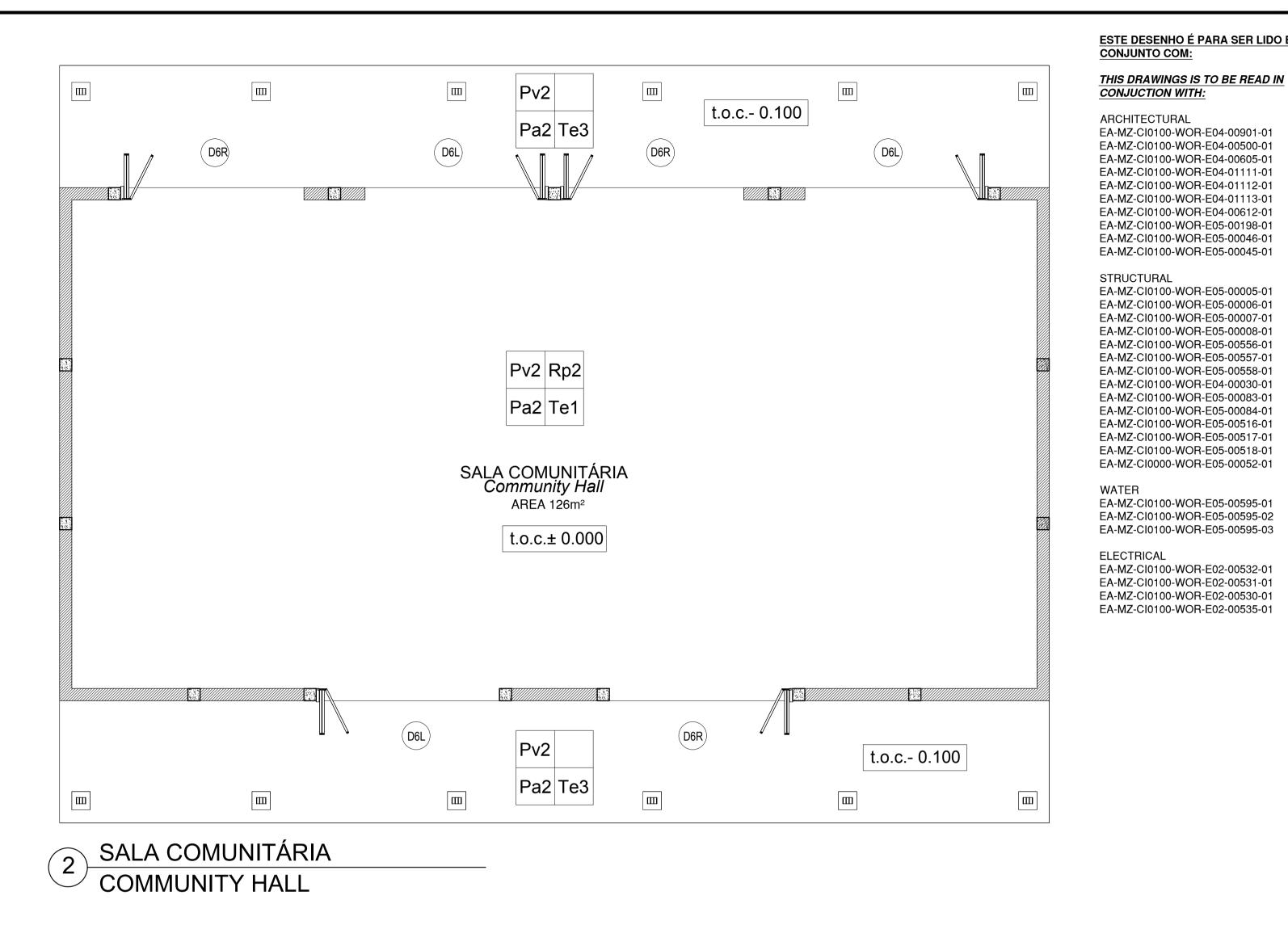




Roof Plan Escala/Scale 1:50

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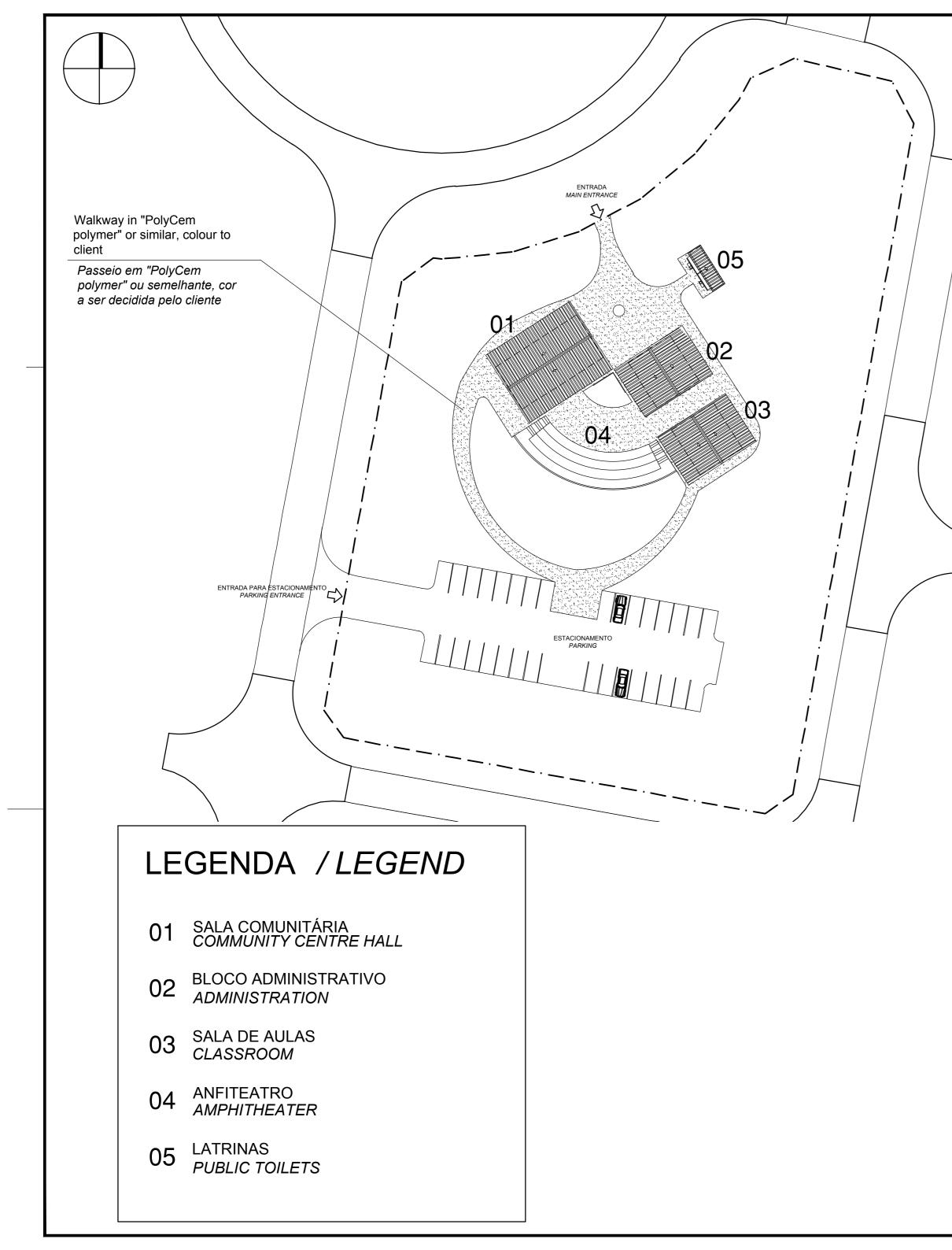
ACABAMENTOS / Finishings

TOS / <i>Pavements</i>	PAREDES / Walls	PINTUF
aíco cerâmico ou Tijoleira classe IV	Pa2 - Pintura com tinta esmalte de cor até 1.50m de altura (lambril) e tinta plástica sobre	
les class IV	reboco liso até o tecto	- Para e
amento do pavimento em cimento queimado floor to have power float finish	Colour enamel paint until 1.50m height wainscoting PVA paint on plain plaster to ceiling height	- For all
	Pa4 - Azulejos brancos 20x20cm h=2.10m	
Ceilings	20x20cm white tiles h=2.10m	
o falso em placas de gesso cartonado pintadas a tinta plastica	SANITÁRIOS/Sanitary	
gypsum board, PVA painted.	SN1 - Conjunto de sanita em porcelana, modelo "H441 Branca" da "Construa" ou similar	
to falso em placas de gesso cartonado, resistentes a humidade.	Toilet in porcelain, model "H441 White" from "Construa" or similar	
moisture resistent gypsum boad, PVA Painted to falso em placas NUTEC	SN1` - Porta rolos em porcelana	
NUTEC boards	Toilet rolls holder in porcelain	
	SN2 - Lavatório e pedestal modelo "C356 Branco" em porcelana da "Construa" ou	
ÉS / Skirtings	similar Handwash basin and pedestal in porcela in model "C356 White" from "Construa" or	
	similar	
onilha lisa pintada a tinta esmalte, com h=10cm	SN2` - Toalheiro médio métalico cromado	
olithic enamel paint, with h=10cm	Mediumn chromated metallic towel rack	
TURA / Roofs	SN2`` - Espelho com 40x40 cm. <i>Mirror with 40x40 cm.</i>	
oas metálicas esmaltadas com perfil IBR		
nameled sheets with IBR profile		

URA / *Painting*

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

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39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG P.O. Box 61232, MARSHALLTOWN, 2107 TEL: +27 (0)11 218 3000 FAX: +27(0)11 218 3100 www.worleyparsons.com WorleyParsons RSA (Pty) Ltd.

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PROJECT

AMA 1

RESETTLEMENT

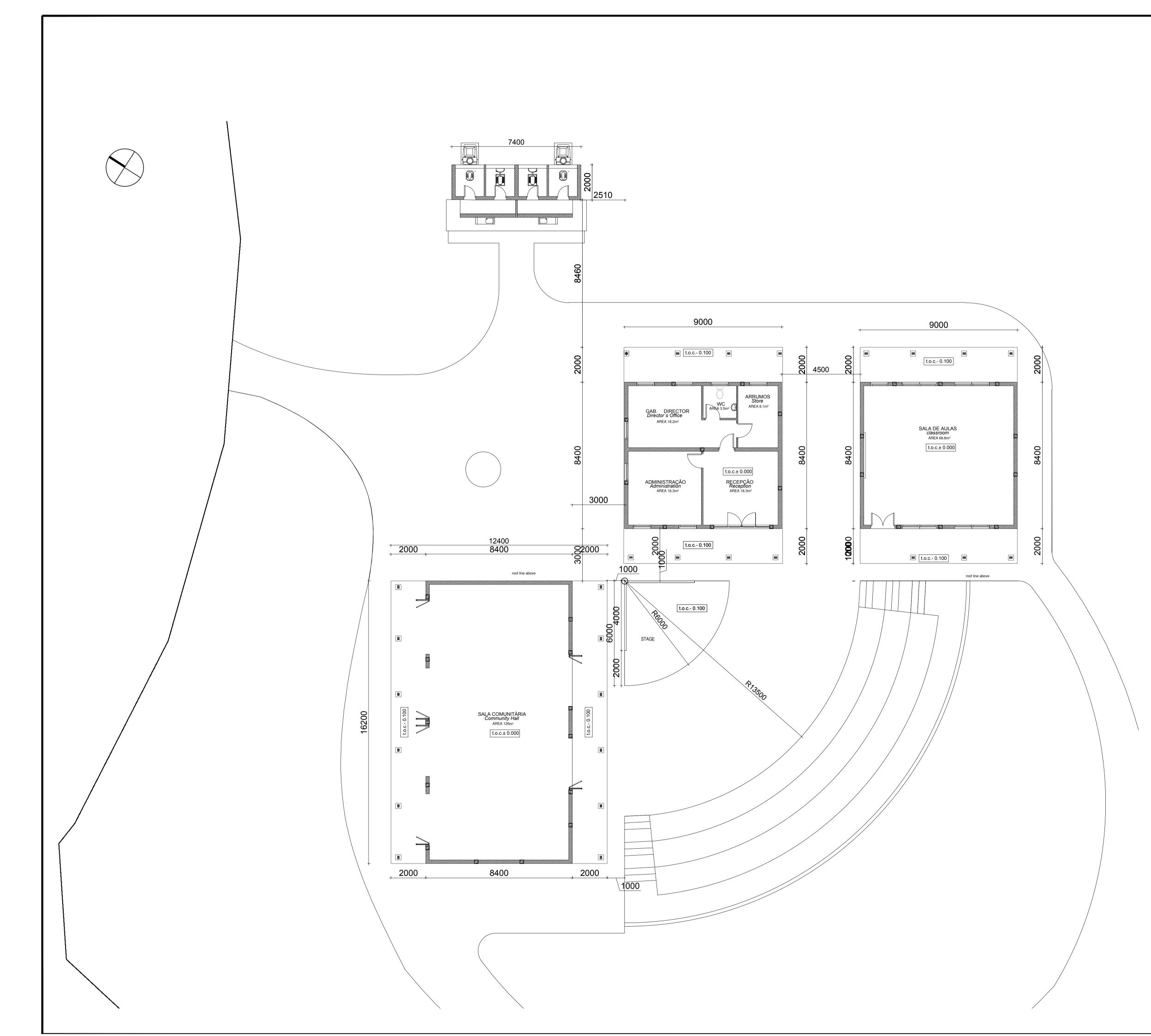
VILLAGE

DRAWING DESCRIPTION

CENTRO COMUNITÁRIO PLANTA DE IMPLANTAÇÃO

COMMUNITY CENTRE SITE PLAN

SCALE 1:500 ORIGINAL DWG SIZE A2	DATE NOV 2015				
DRAWING NUMBER	REV NO				
C00290-00-AR-DLP	0				
ANADARKO DRAWING NUMBER					
EA-MZ-CI0100-WOR-E04-00605-01					



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THIS DRAWINGS IS TO BE READ IN CONJUCTION 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-E04-01113-01 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

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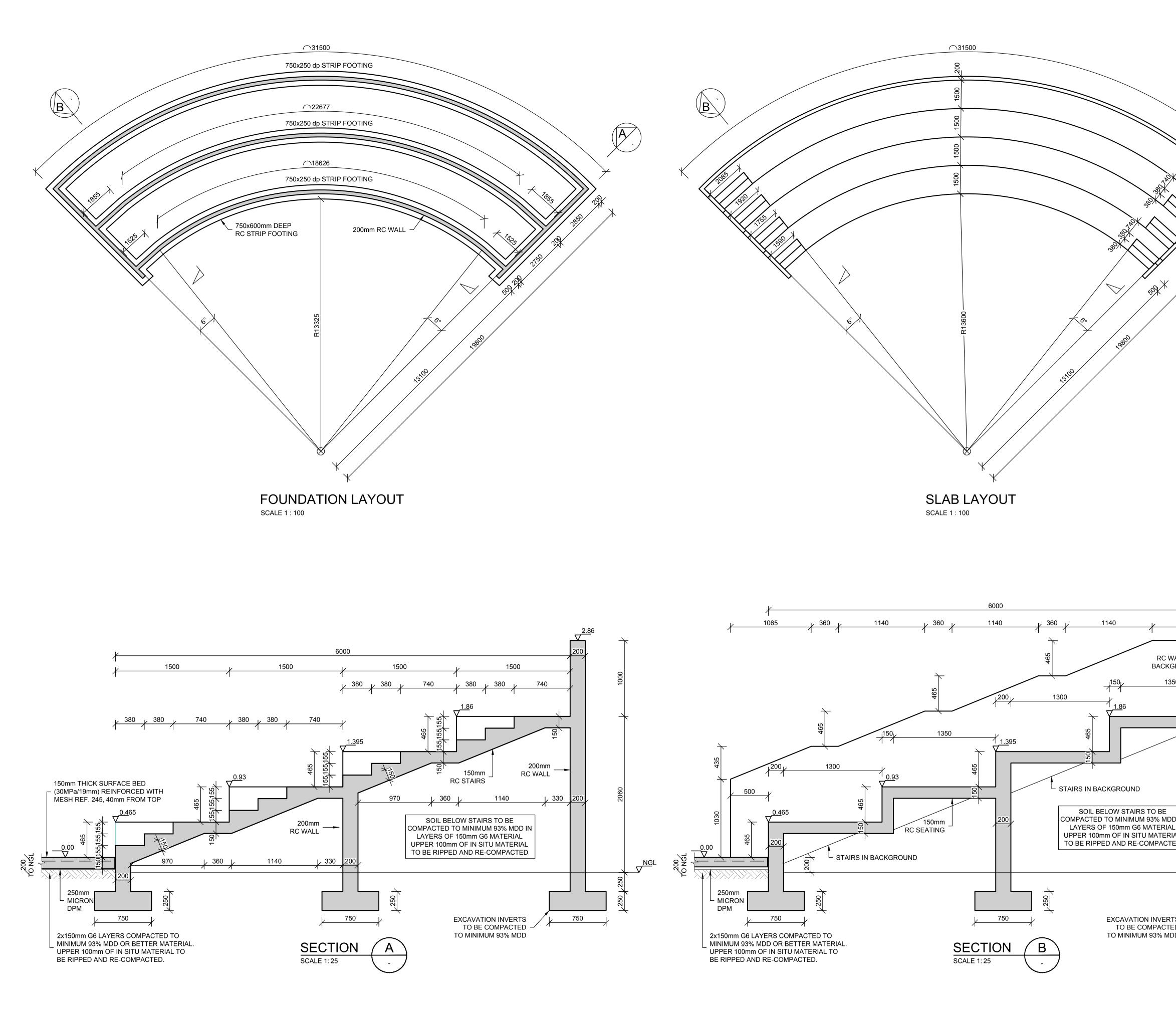
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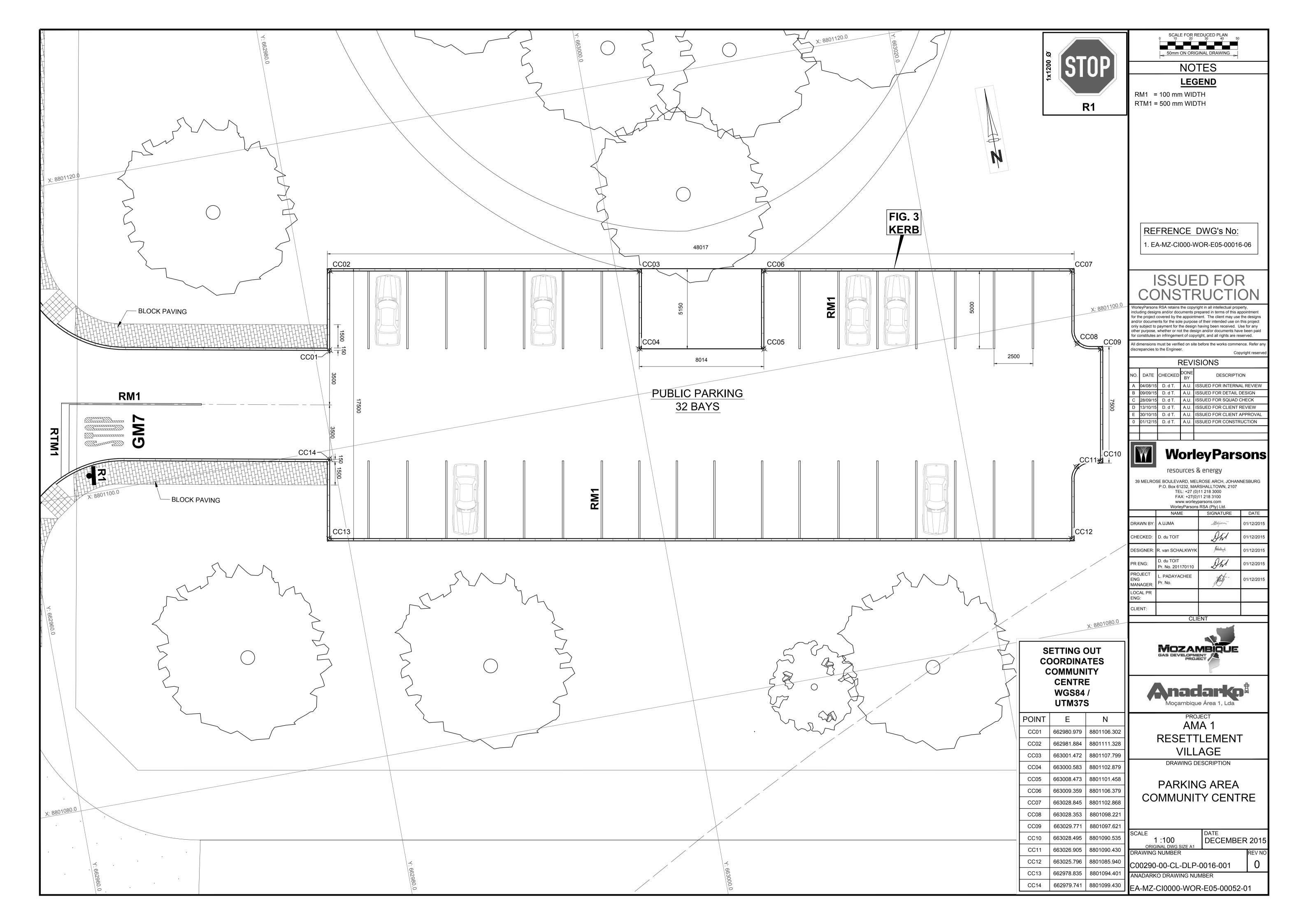
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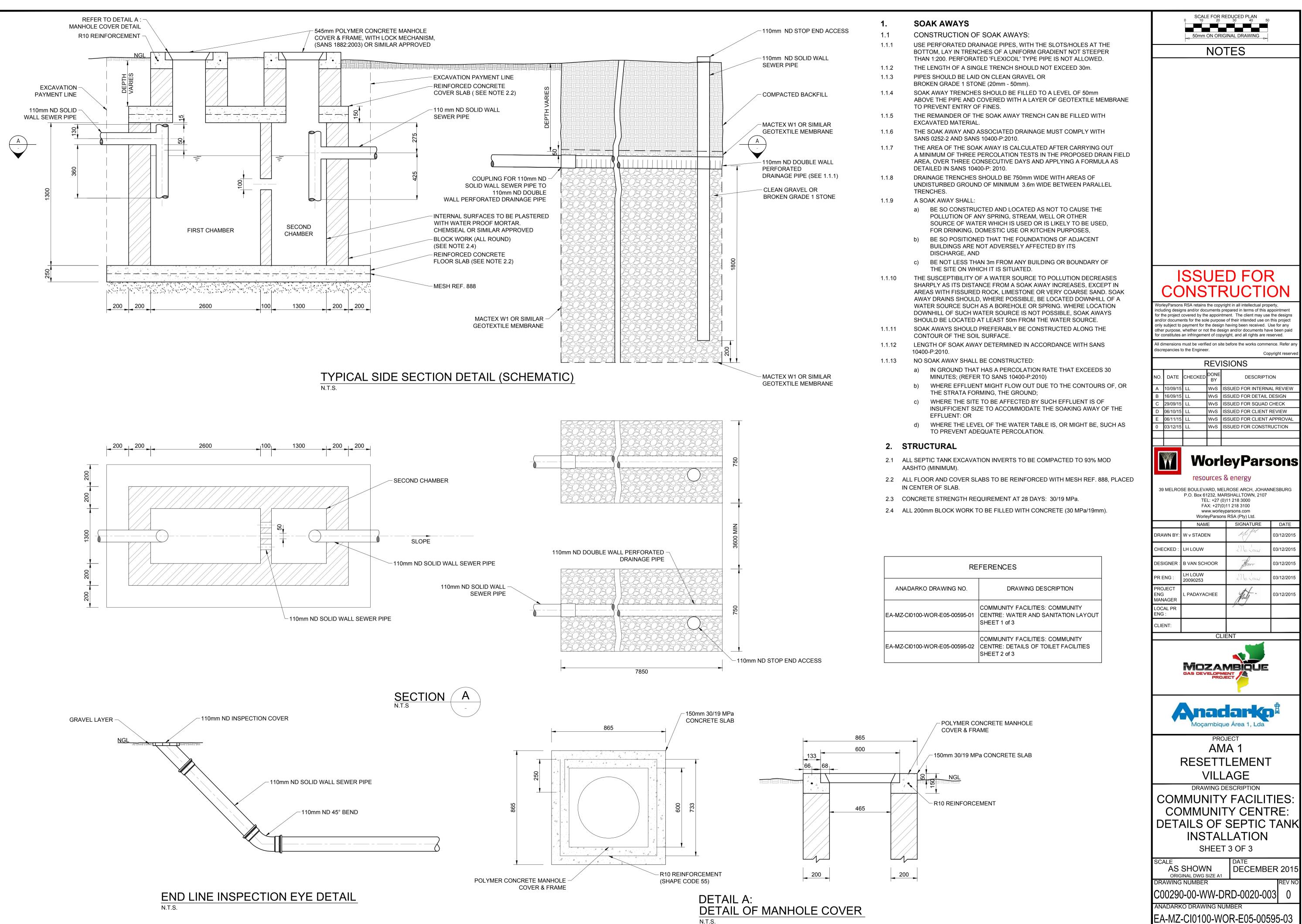
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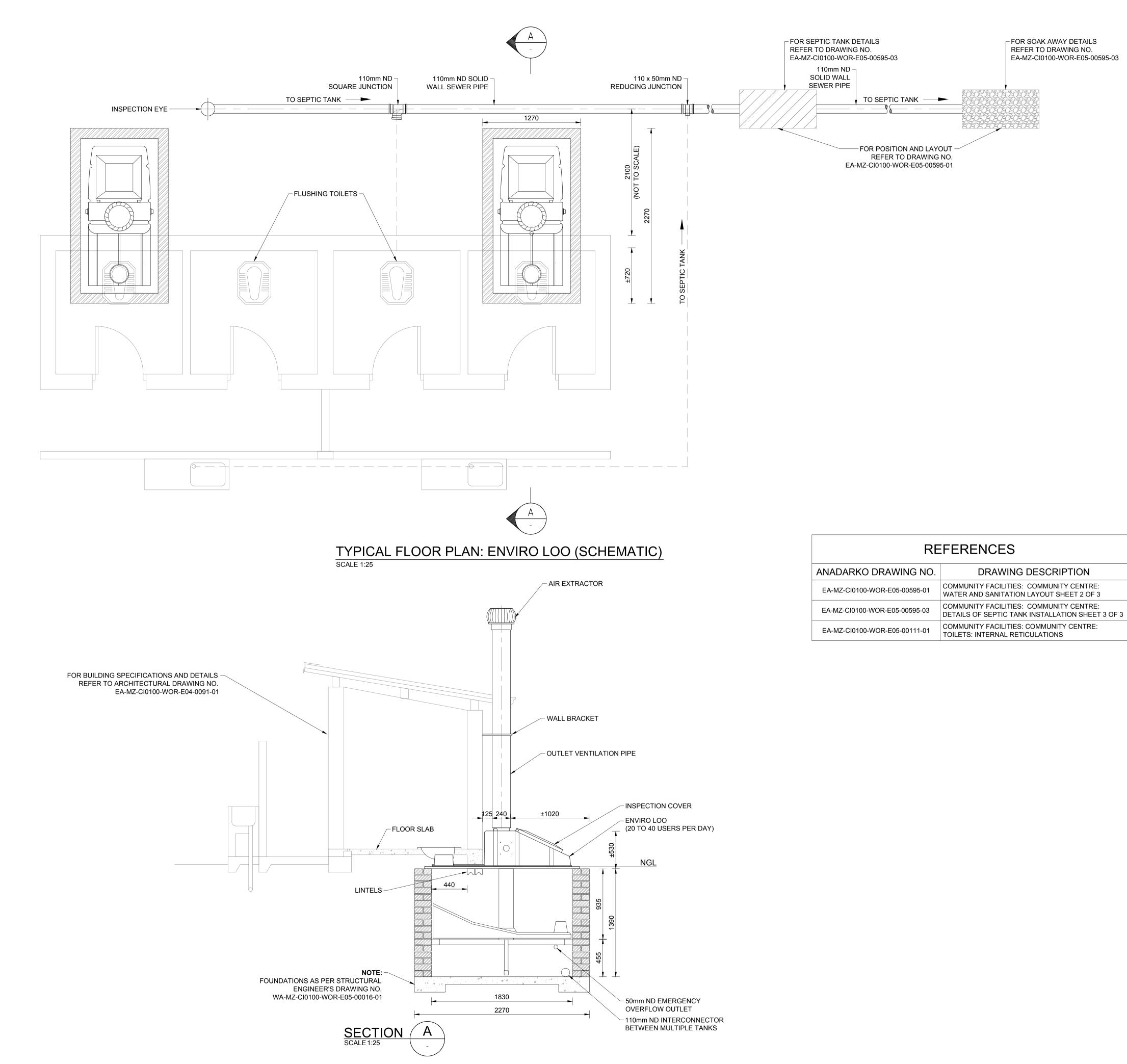
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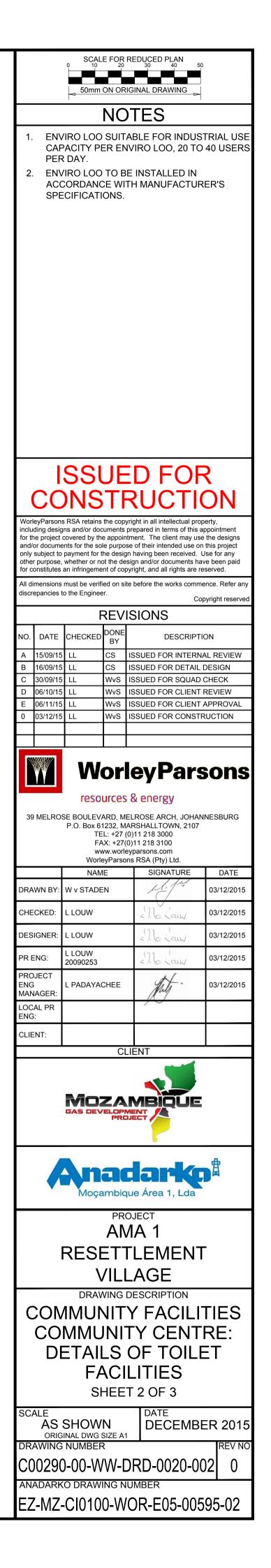


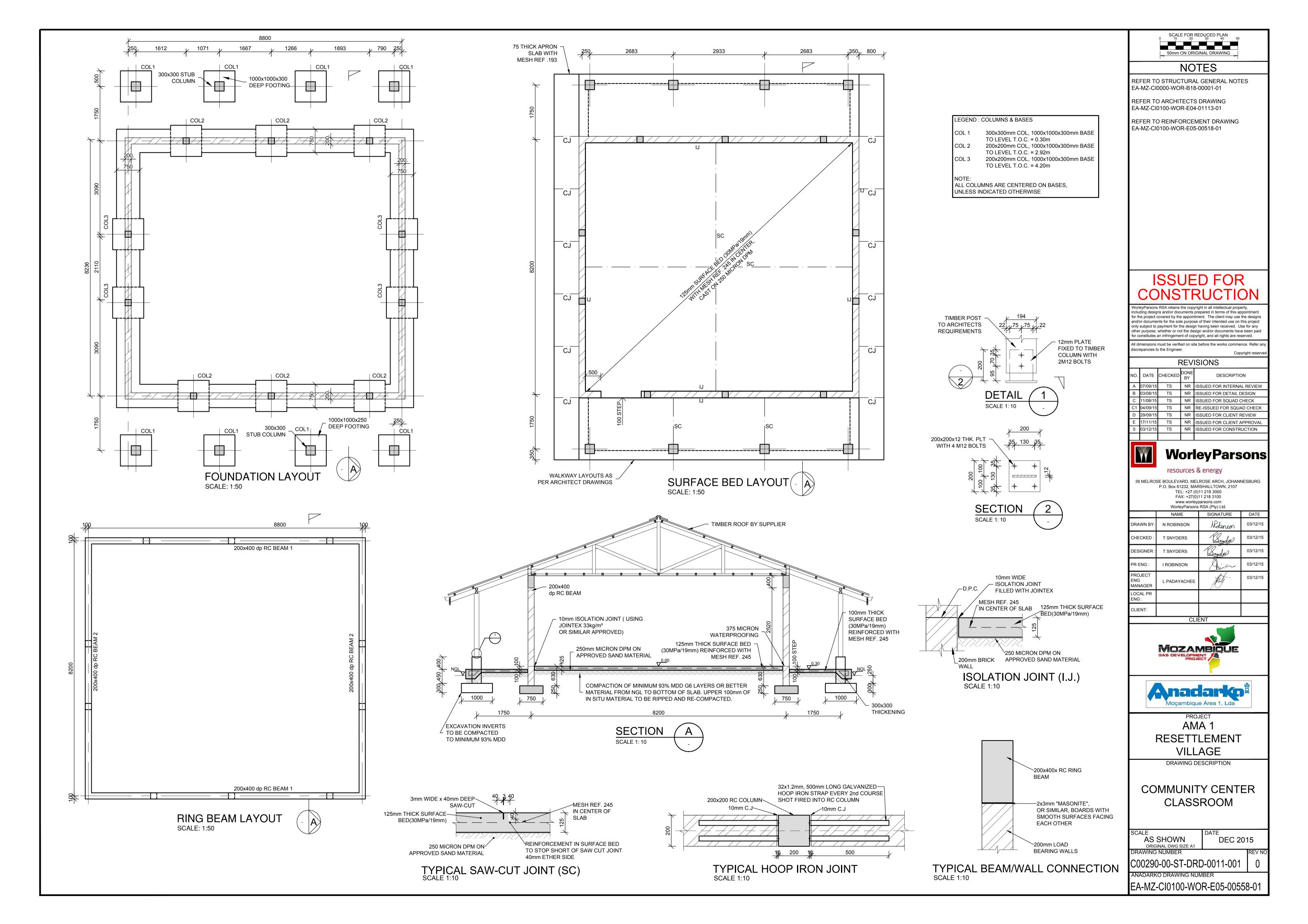
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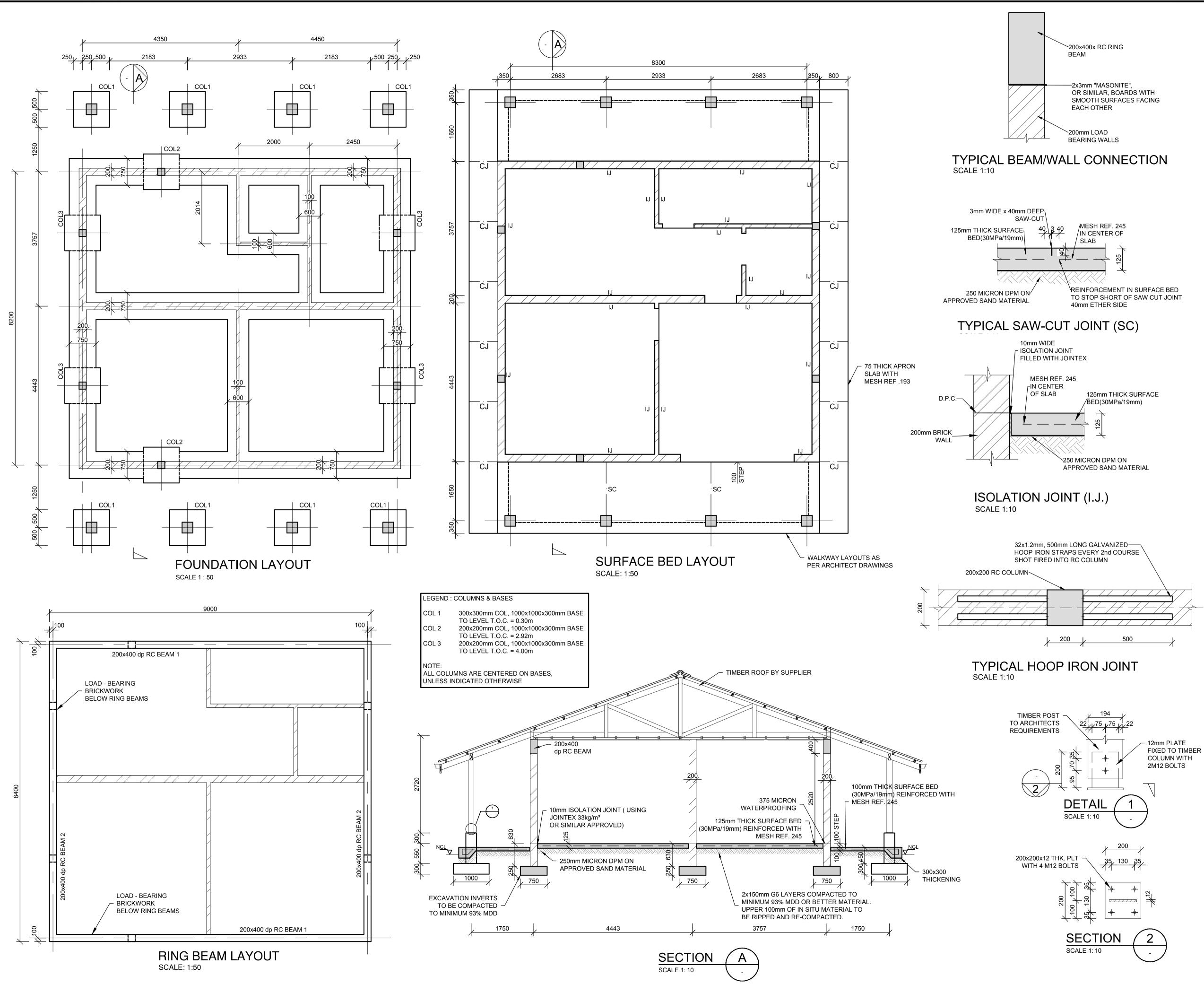












NOTES REFER TO STRUCTURAL GENERAL NOTES EA-MZ-CI0000-WOR-B18-00001-01

SCALE FOR REDUCED PLAN

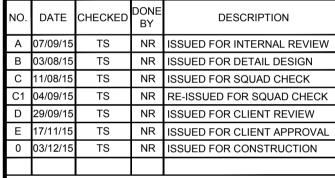
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REFER TO REINFORCEMENT DRAWING EA-MZ-CI0100-WOR-E05-00517-01

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	All dimensions must be verified on site before the works commence. Refer any								
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А	07/09/15	TS	NR	ISSUED FOR INTERNAL REVIEW					
В	03/08/15	TS	NR	ISSUED FOR DETAIL DESIGN					
С	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					
Е	17/11/15	TS	NR	ISSUED FOR CLIENT APPROVAL					
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FAX: +27(0)11 218 3100 www.worleyparsons.com

WorleyParsons RSA (Pty) Ltd.						
	NAME	SIGNATURE	DATE			
DRAWN BY:	N ROBINSON	Rebinson	03/12/15			
CHECKED :	T SNYDERS	Bryde	03/12/15			
DESIGNER :	T SNYDERS	Bryden	03/12/15			
PR ENG :	I ROBINSON	Dia	03/12/15			
PROJECT ENG MANAGER	L PADAYACHEE	July .	03/12/15			
LOCAL PR ENG :						
CLIENT:						



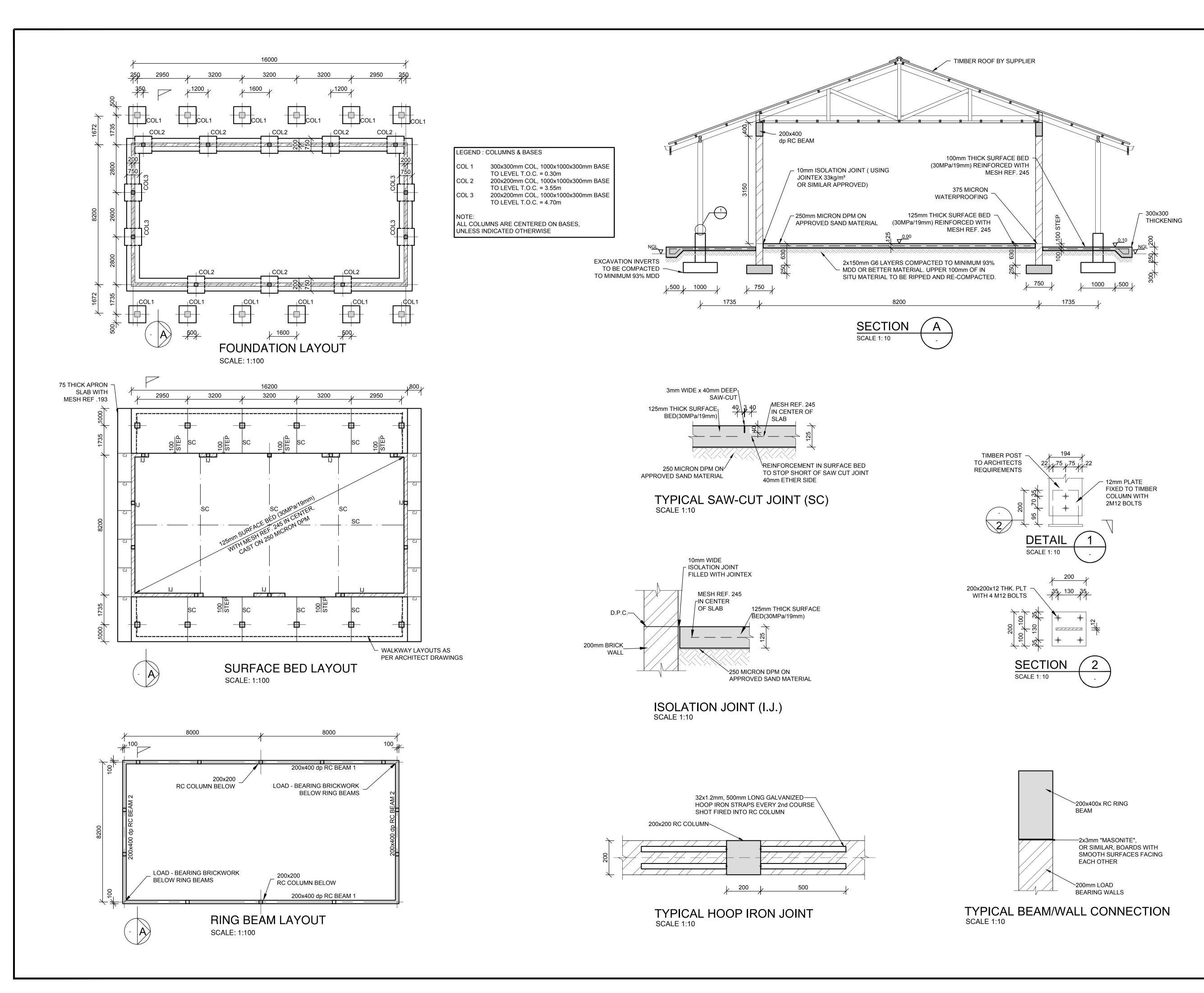
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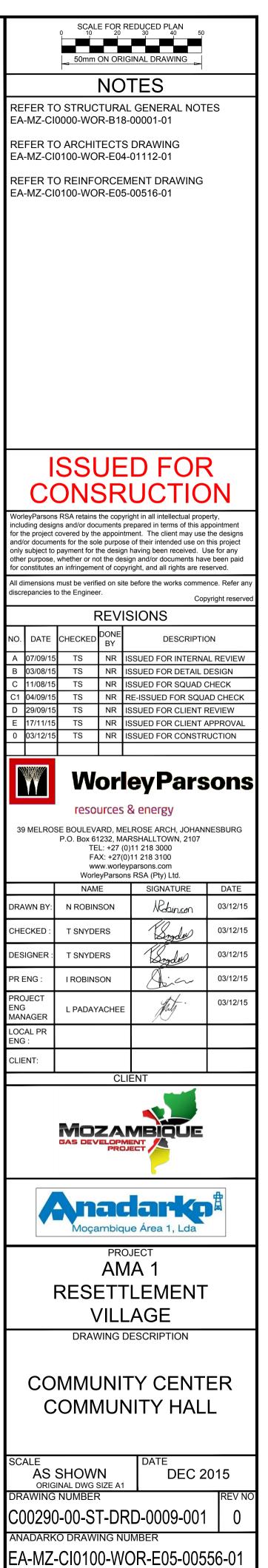


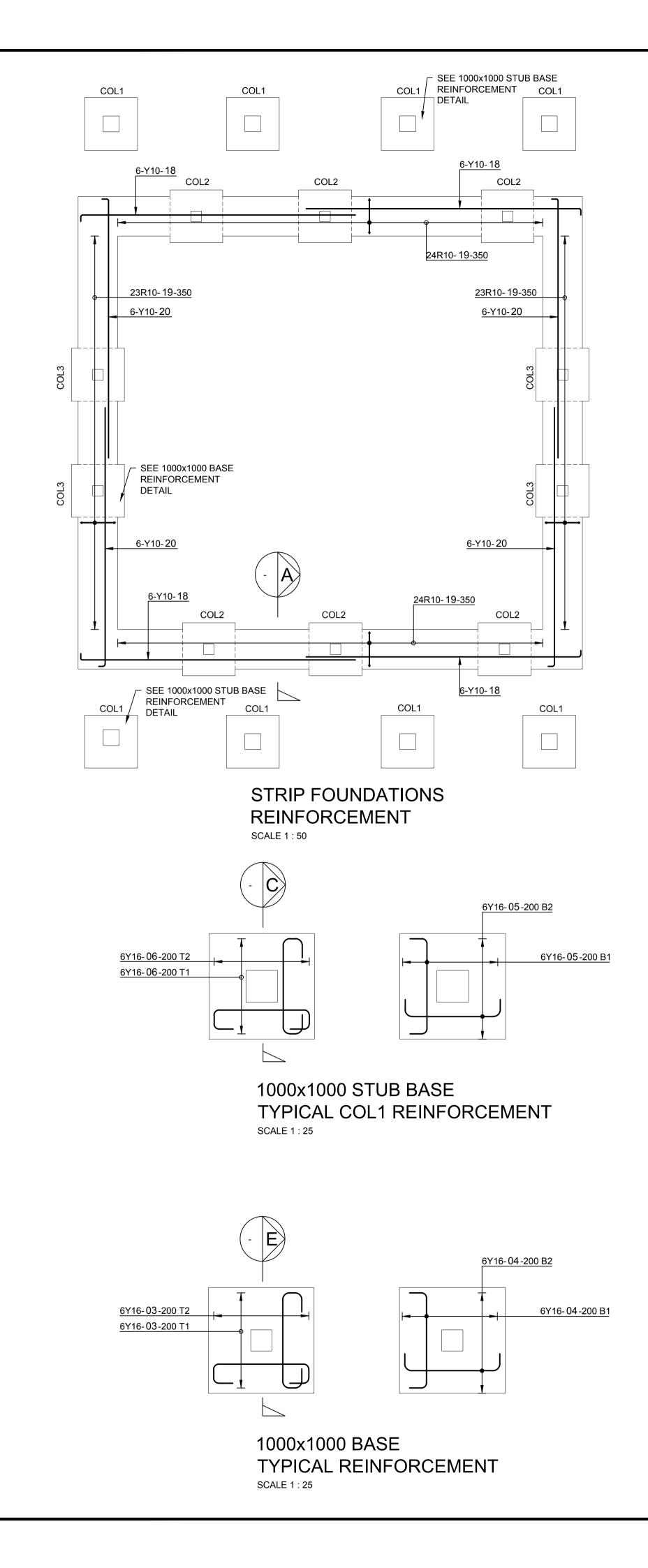
AMA 1 RESETTLEMENT VILLAGE DRAWING DESCRIPTION

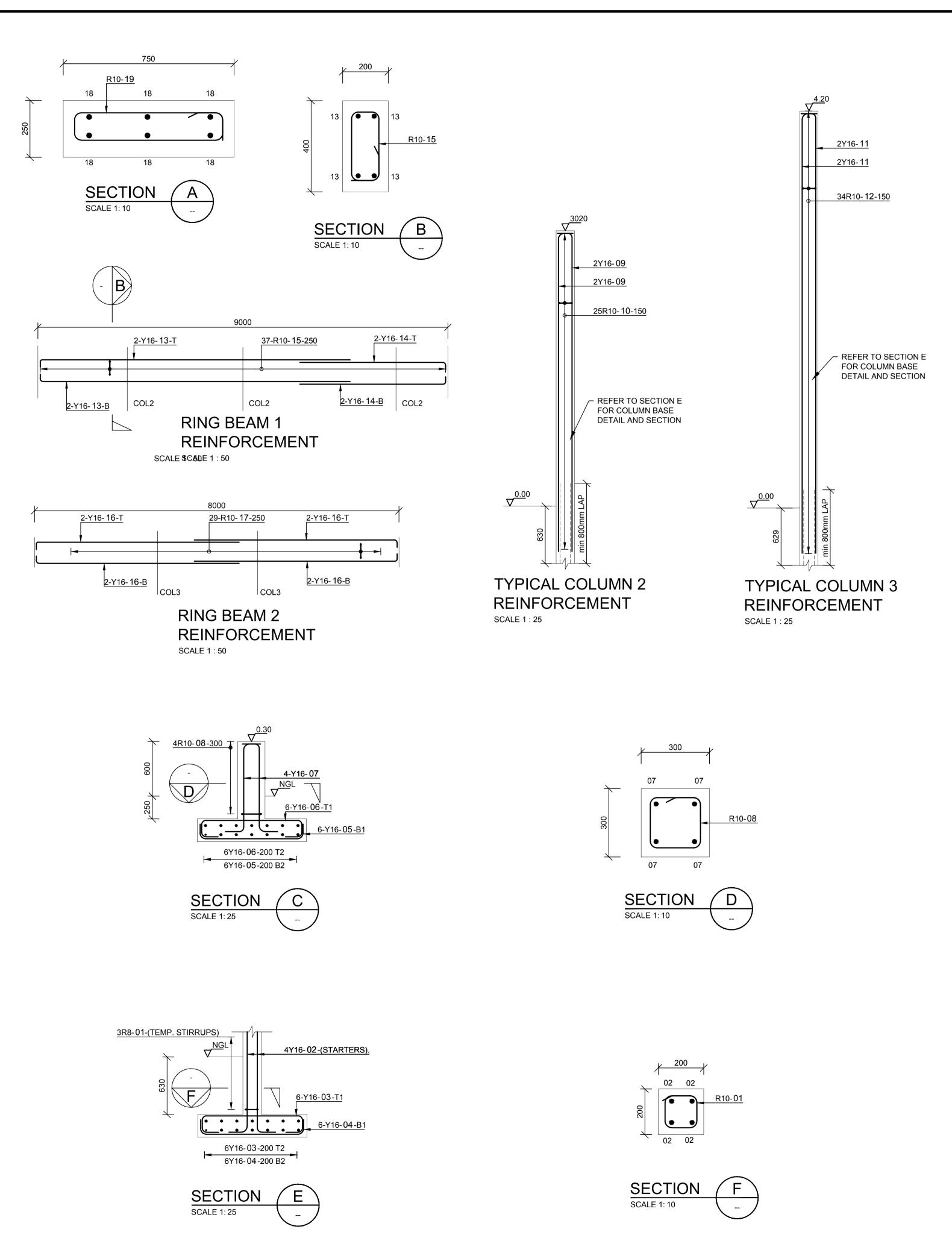
COMMUNITY CENTER ADMINISTRATION BUILDING

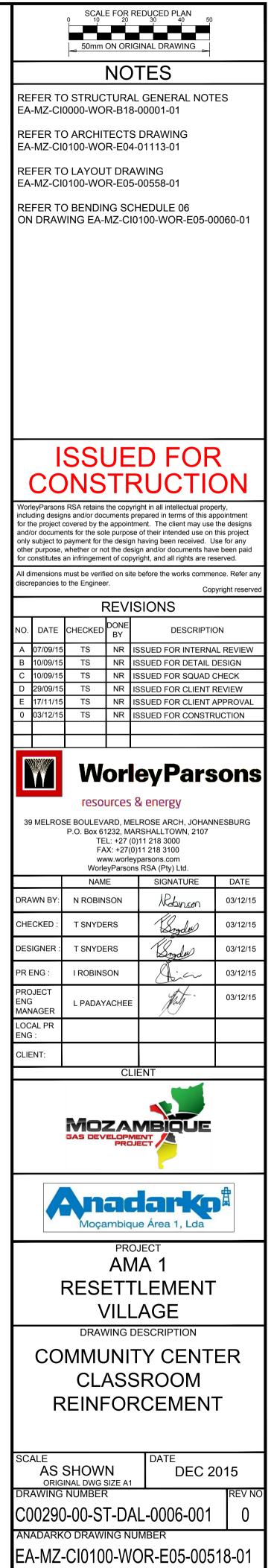
SCALE **AS SHOWN** DEC 2015 ORIGINAL DWG SIZE A DRAWING NUMBER C00290-00-ST-DRD-0010-001 ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00557-01

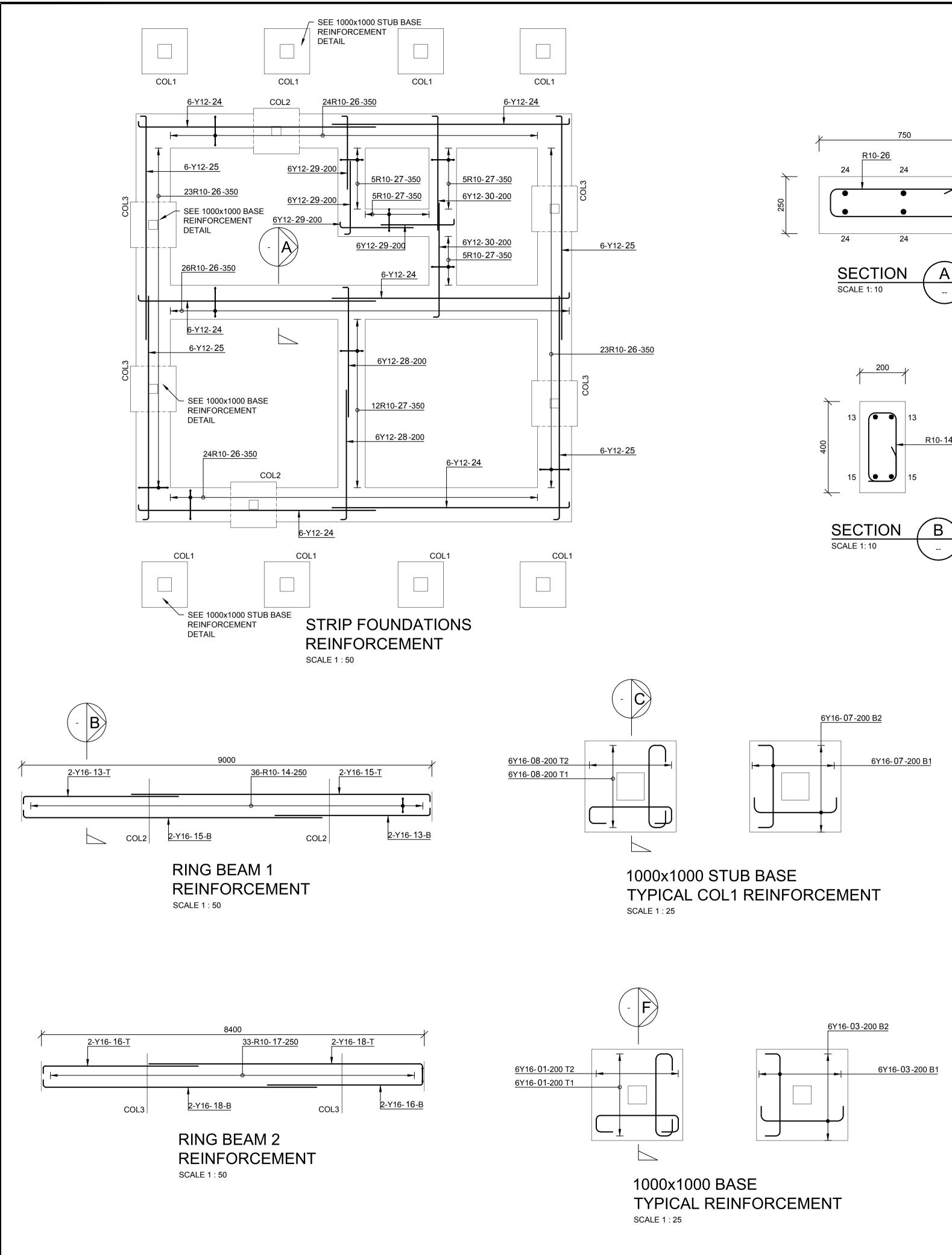


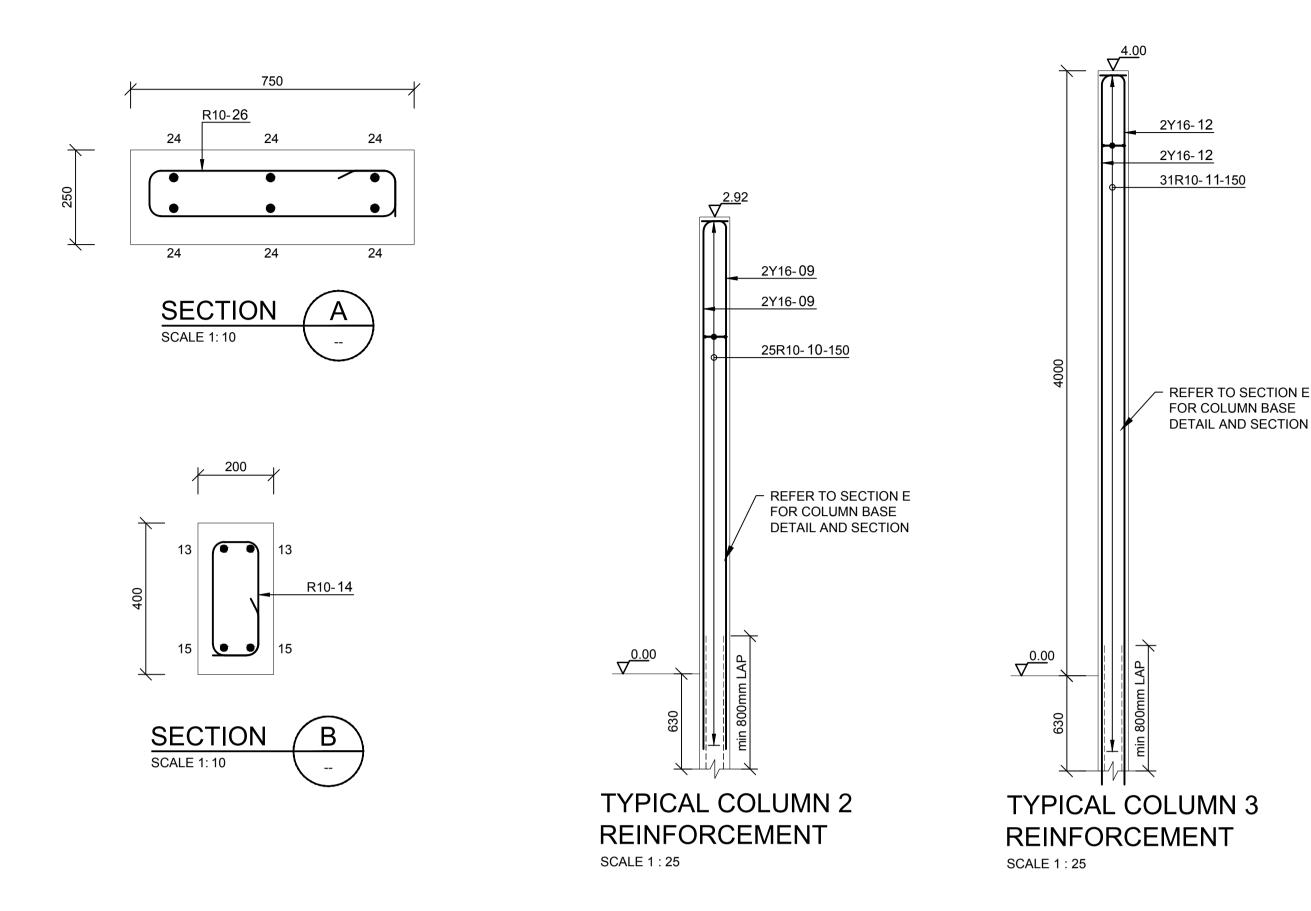


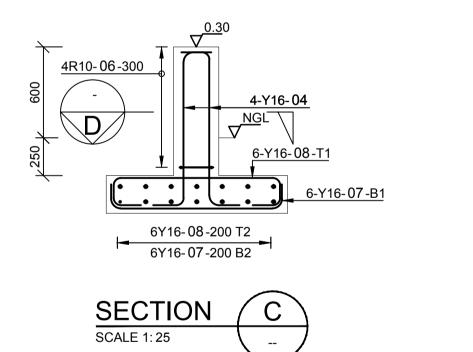






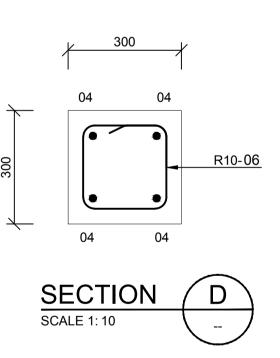


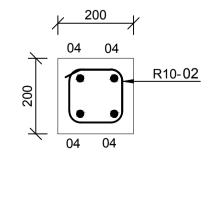




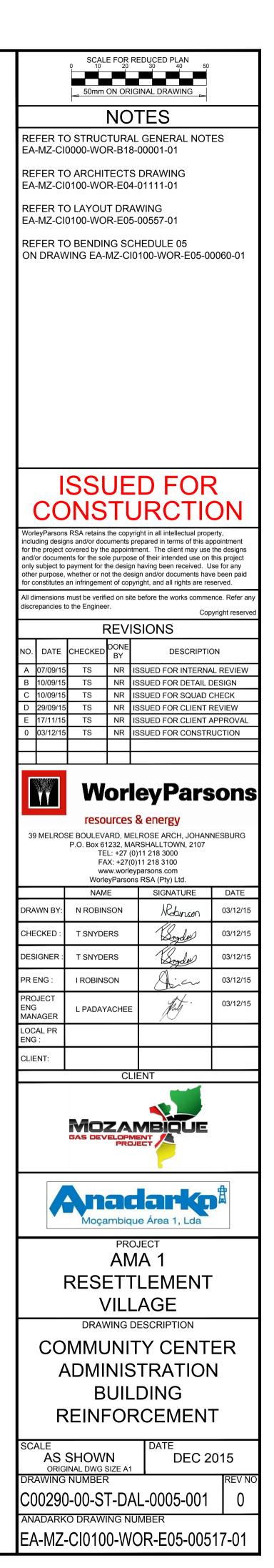
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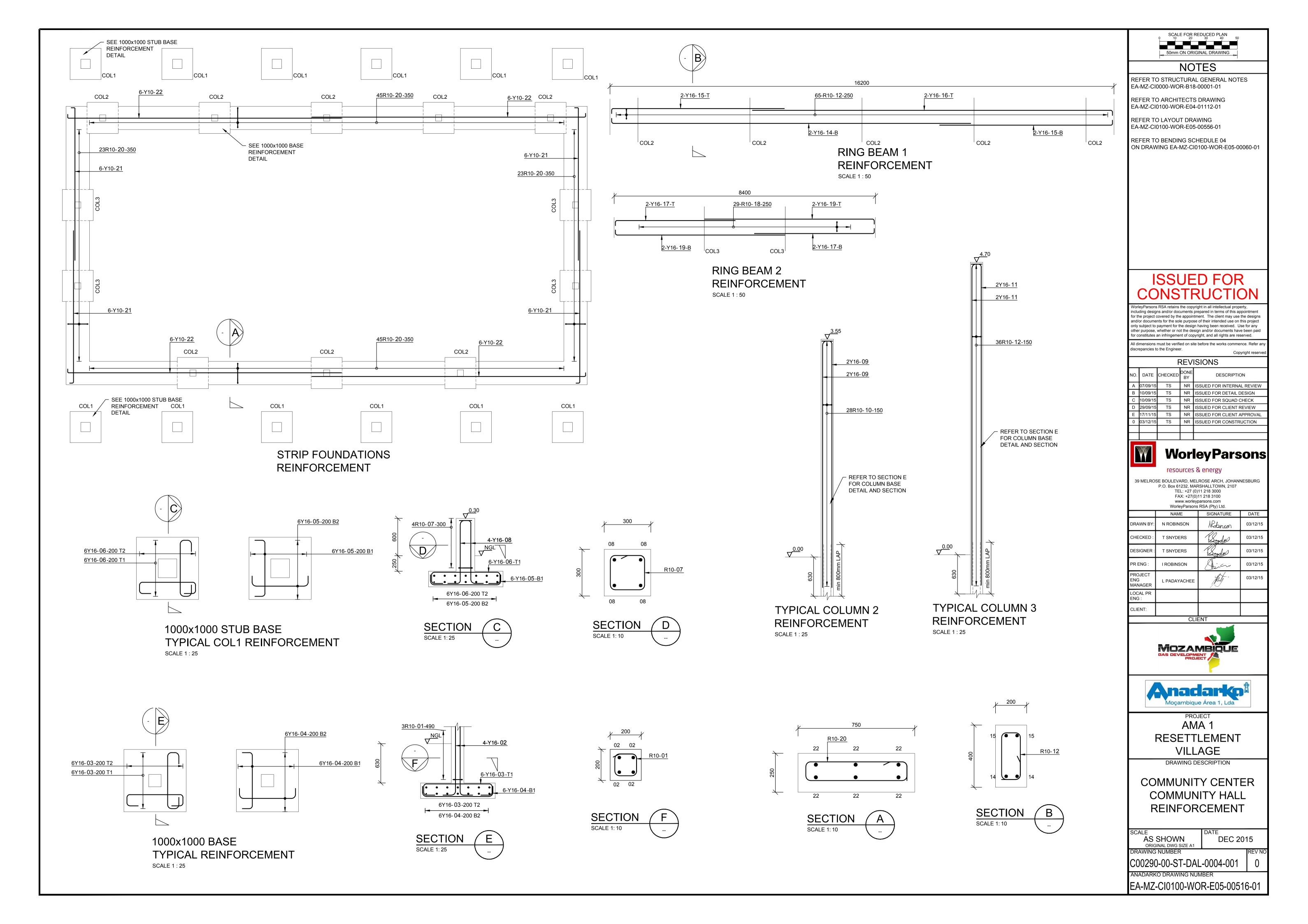


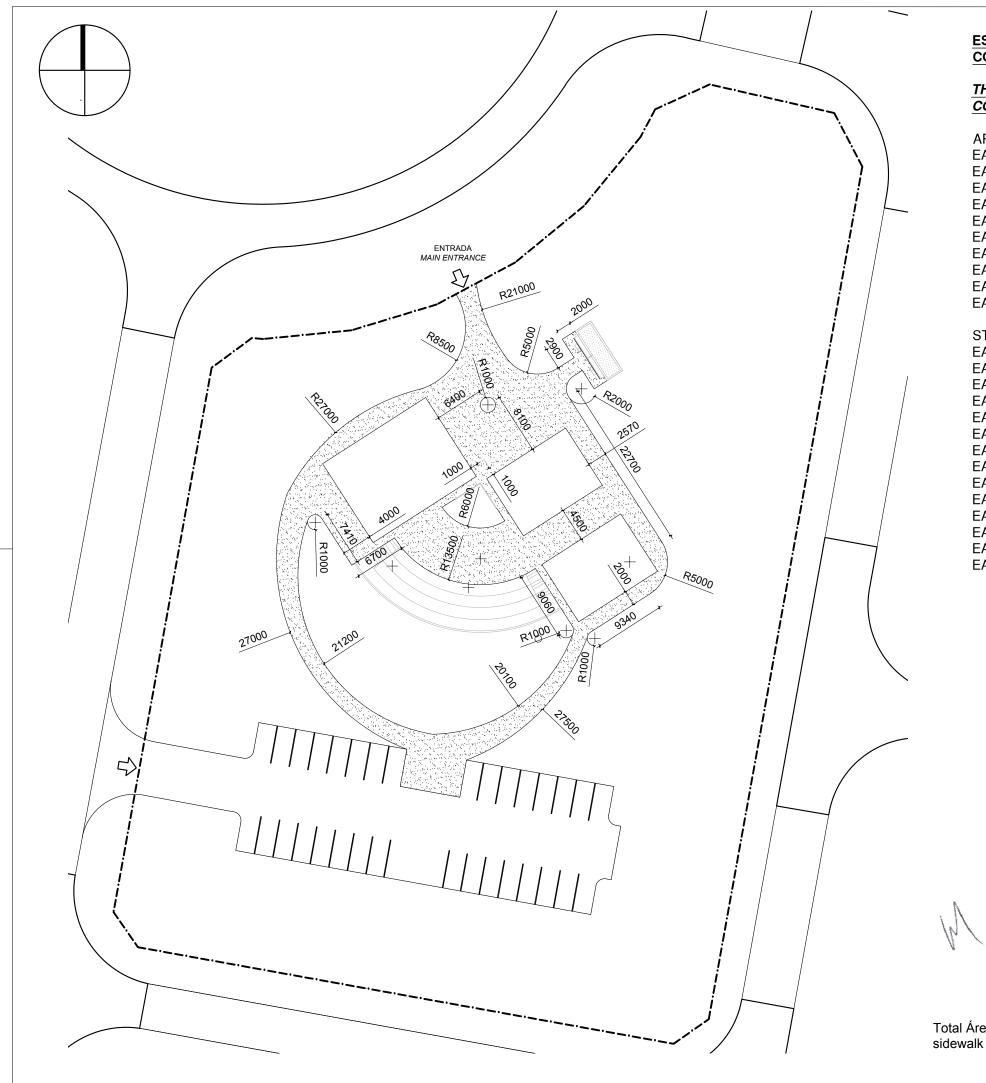












ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

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

ARCHITECTURAL EA-MZ-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

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Total Área for sidewalk pavement : approx. 860 m²





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

	Copyright reserved						
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NO.	DATE	СНК	DONE BY	DESCRIPTION			
A	08/09/15	ММ	СР	ISSUED INTERNAL REVIEW			
В	08/09/15	ММ	СР	ISSUED FOR DETAIL DESIGN			
С	08/09/15	ММ	СР	ISSUED FOR SQUAD CHECK			
D	15/10/15	ММ	СР	ISSUED FOR CLIENT REVIEW			
Е	16/11/15	ММ	СР	ISSUED CLIENT APPROVAL			
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PROJECT AMA 1 RESETTLEMENT VILLAGE

DRAWING DESCRIPTION

CENTRO COMUNITÁRIO -PLANTA DO PASSEIO

COMMUNITY CENTRE -SIDEWALK LAYOUT

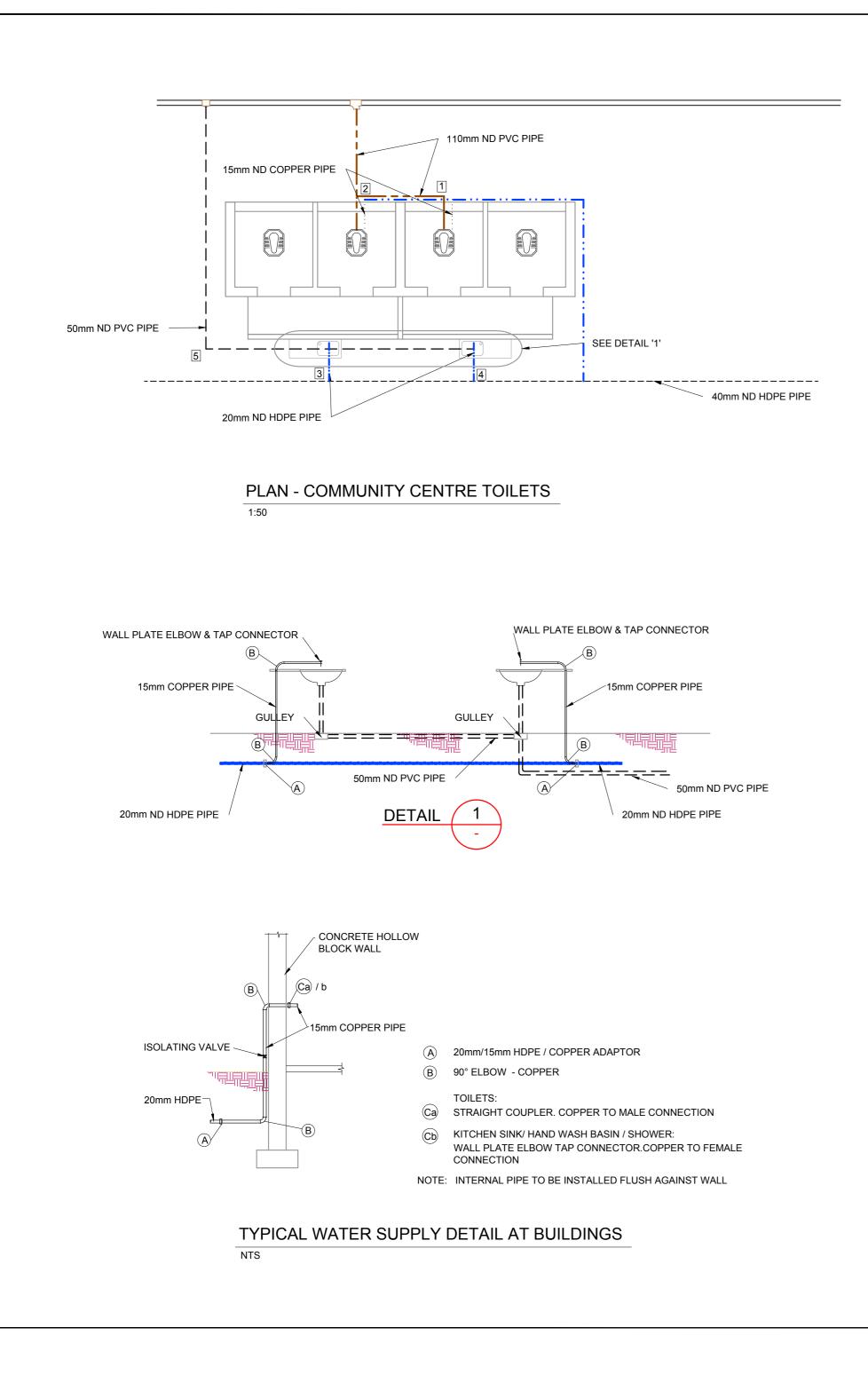
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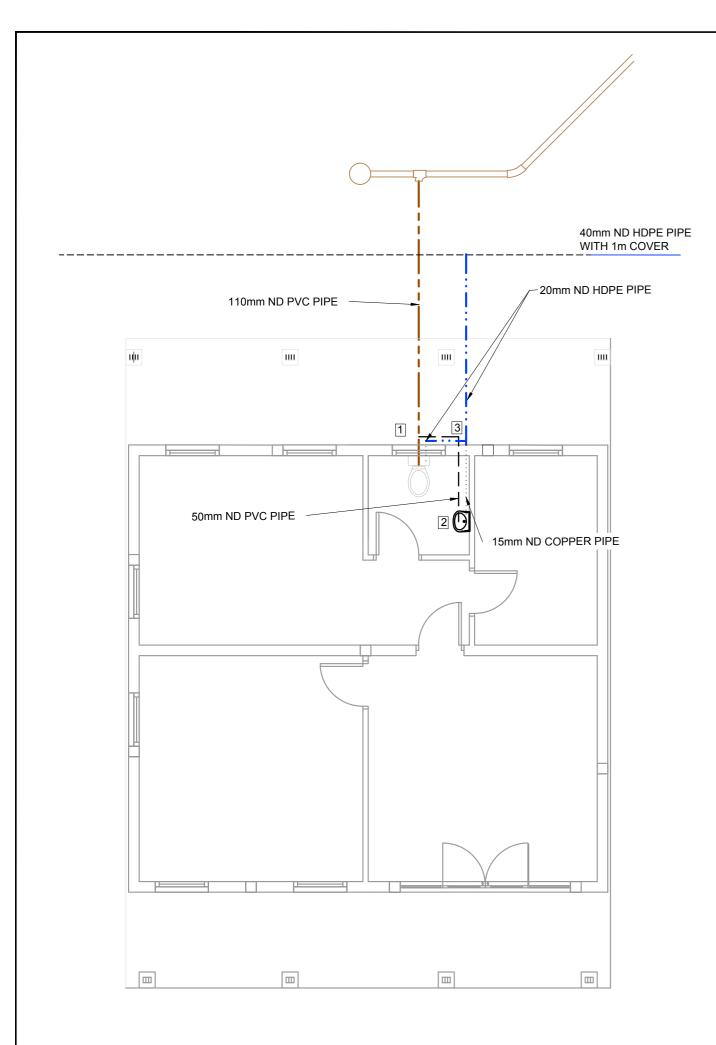
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	PUBLIC TOILET		
No	DESCRIPTION	UNIT	QUANTITY
1	110x50mm - 87.5° VENTHORN BEND	No.	1
	50mm VENT COWL	No.	1
	110 - 87.5° PLAIN BEND	No.	1
	110 ND PVC PIPE	m	2m
2	110x50mm - 87.5° VENTHORN BEND	No.	1
	50mm VENT COWL	No.	1
	110 - 87.5° PLAIN BEND	No.	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 SI	UPPLY	
	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
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	20mm ND HDPE PIPE	m	10m

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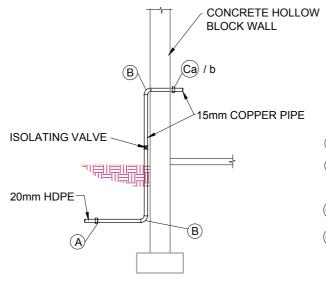


PLAN - ADMINISTRATION CENTRE

1:50

CC	DMMUNITY FACILITIES - COMMUNITY CENTRE INTERNAL DRAI	NAGE CONNE	CTIONS
	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 S	UPPLY	
	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

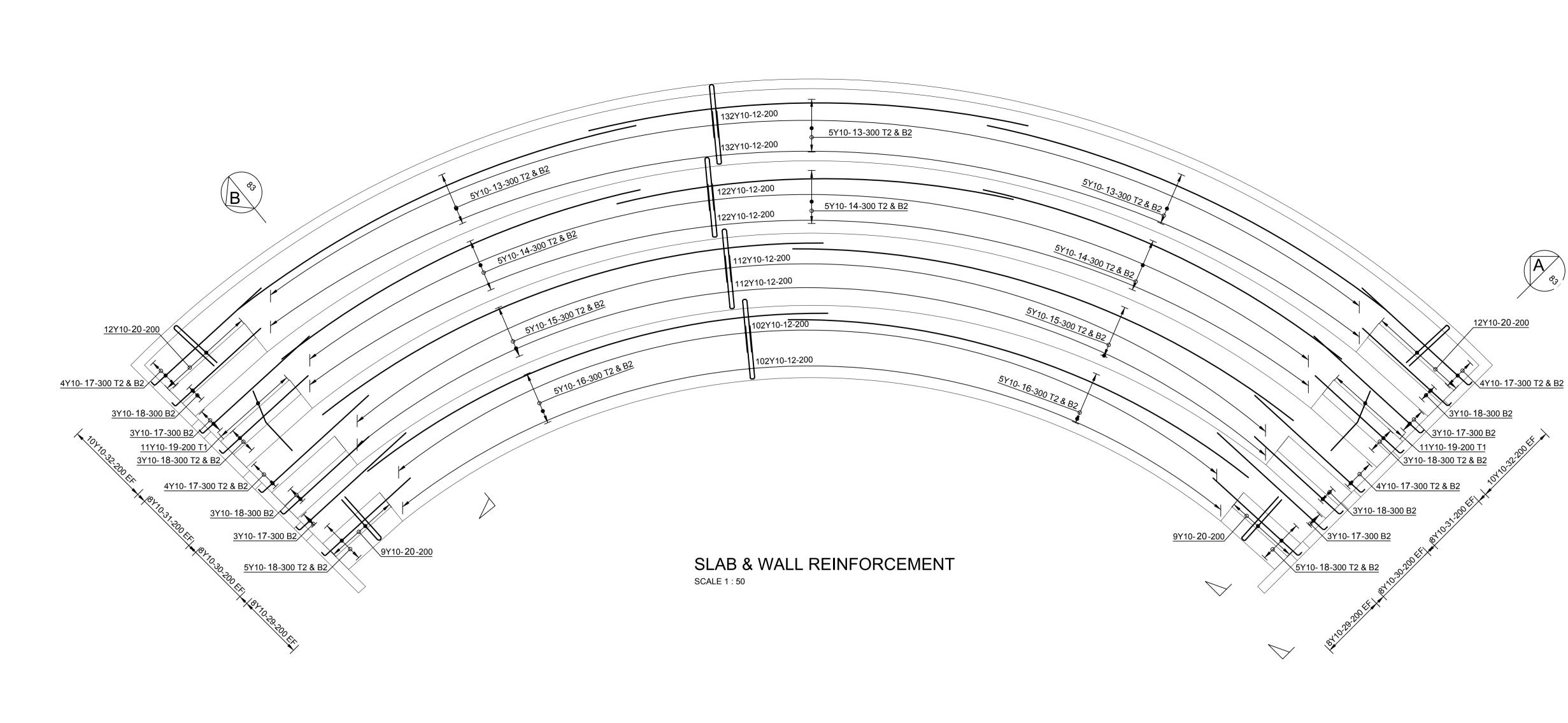


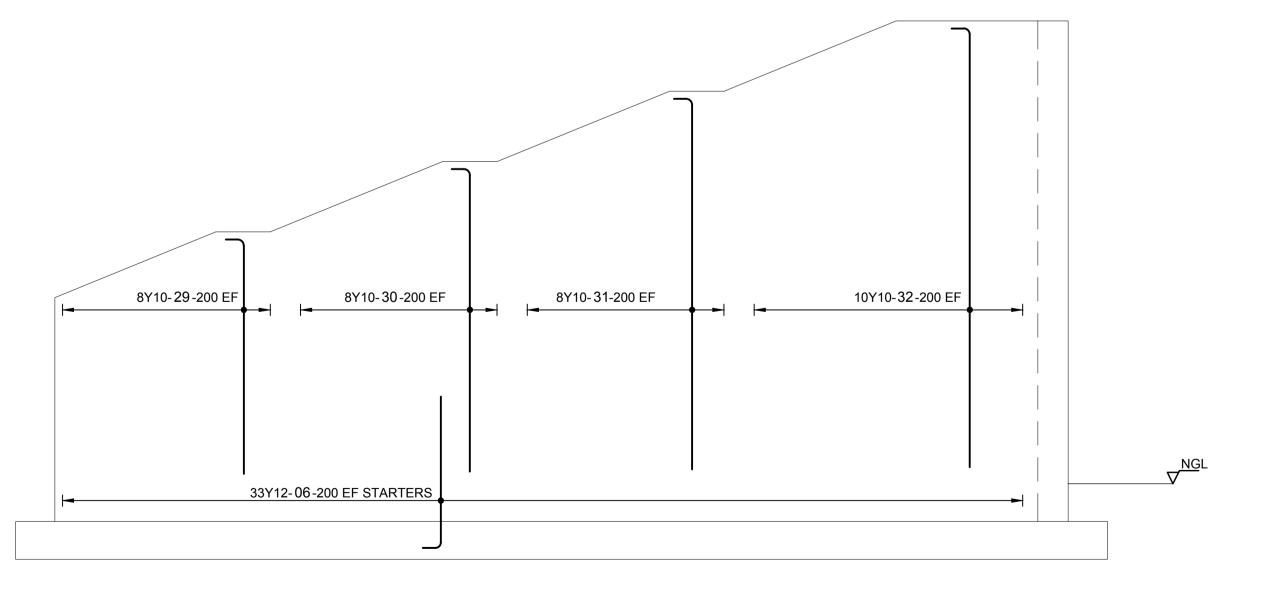
(A) 20mm/15mm HDPE / COPPER ADAPTOR

- B 90° ELBOW COPPER
- TOILETS: Ca STRAIGHT COUPLER. COPPER TO MALE CONNECTION
- Cb KITCHEN SINK/ HAND WASH BASIN / SHOWER: WALL PLATE ELBOW TAP CONNECTOR.COPPER TO FEMALE CONNECTION
- NOTE: INTERNAL PIPE TO BE INSTALLED FLUSH AGAINST WALL

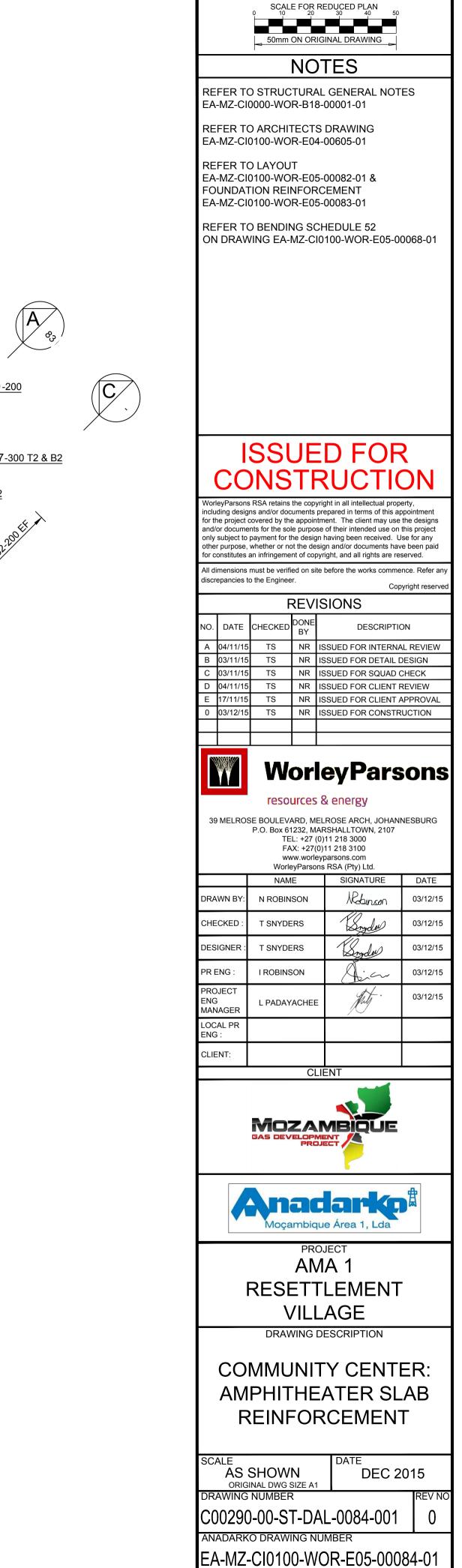
TYPICAL WATER SUPPLY DETAIL AT BUILDINGS

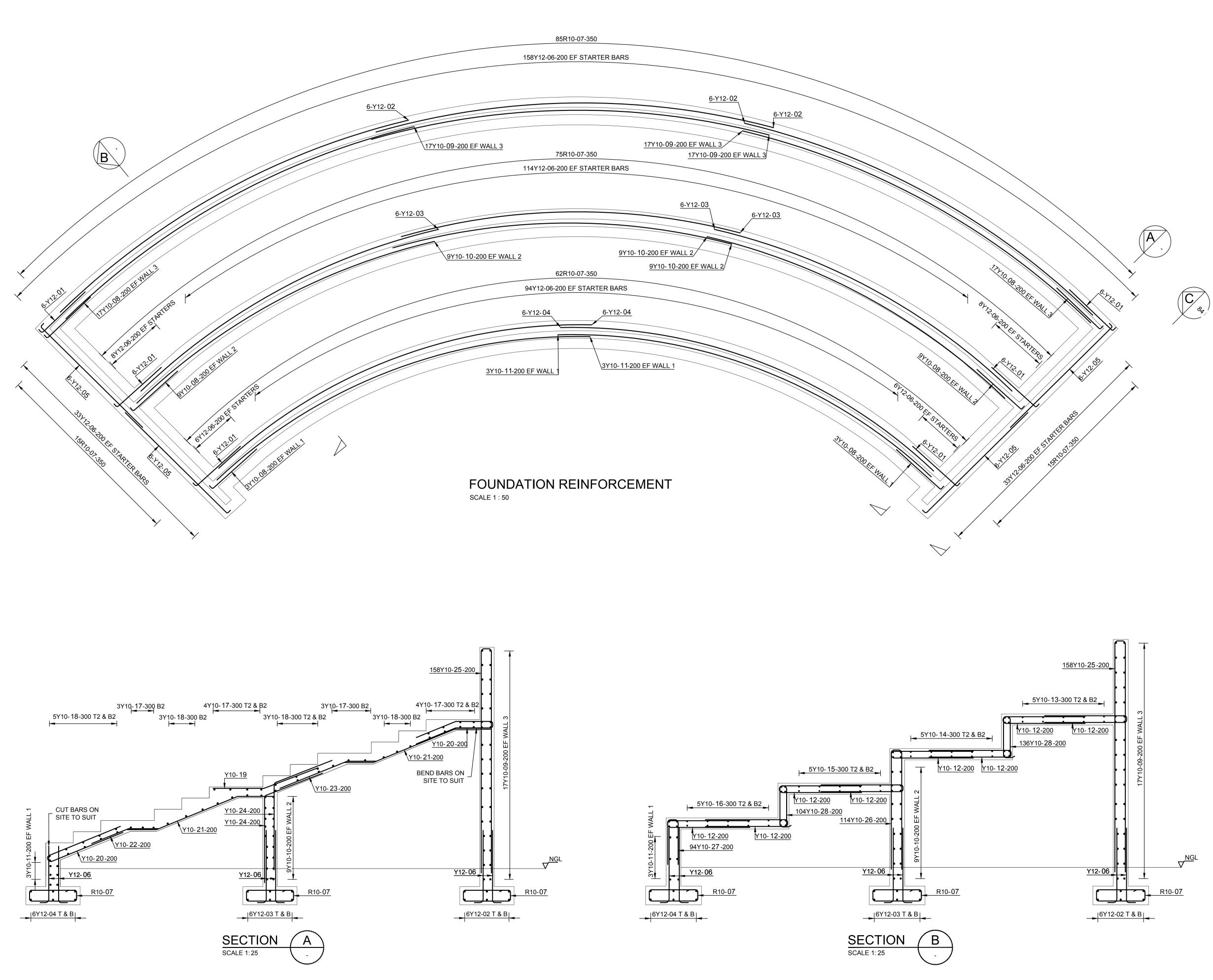
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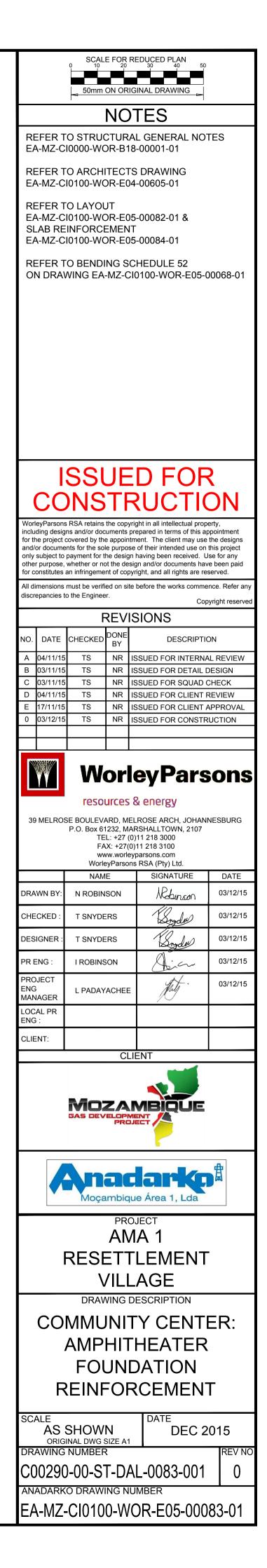




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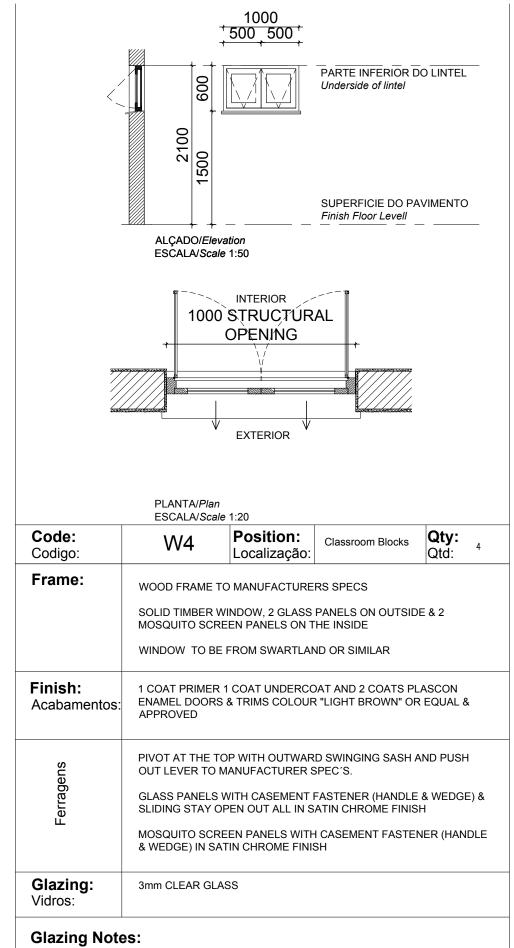






SALA DE AULAS/Classroom WINDOWS & DOOR SCHEDULE/ Mapa de vãos: Janelas & Portas

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



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

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PROJECT AMA 1 RESETTLEMENT VILLAGE

DRAWING DESCRIPTION

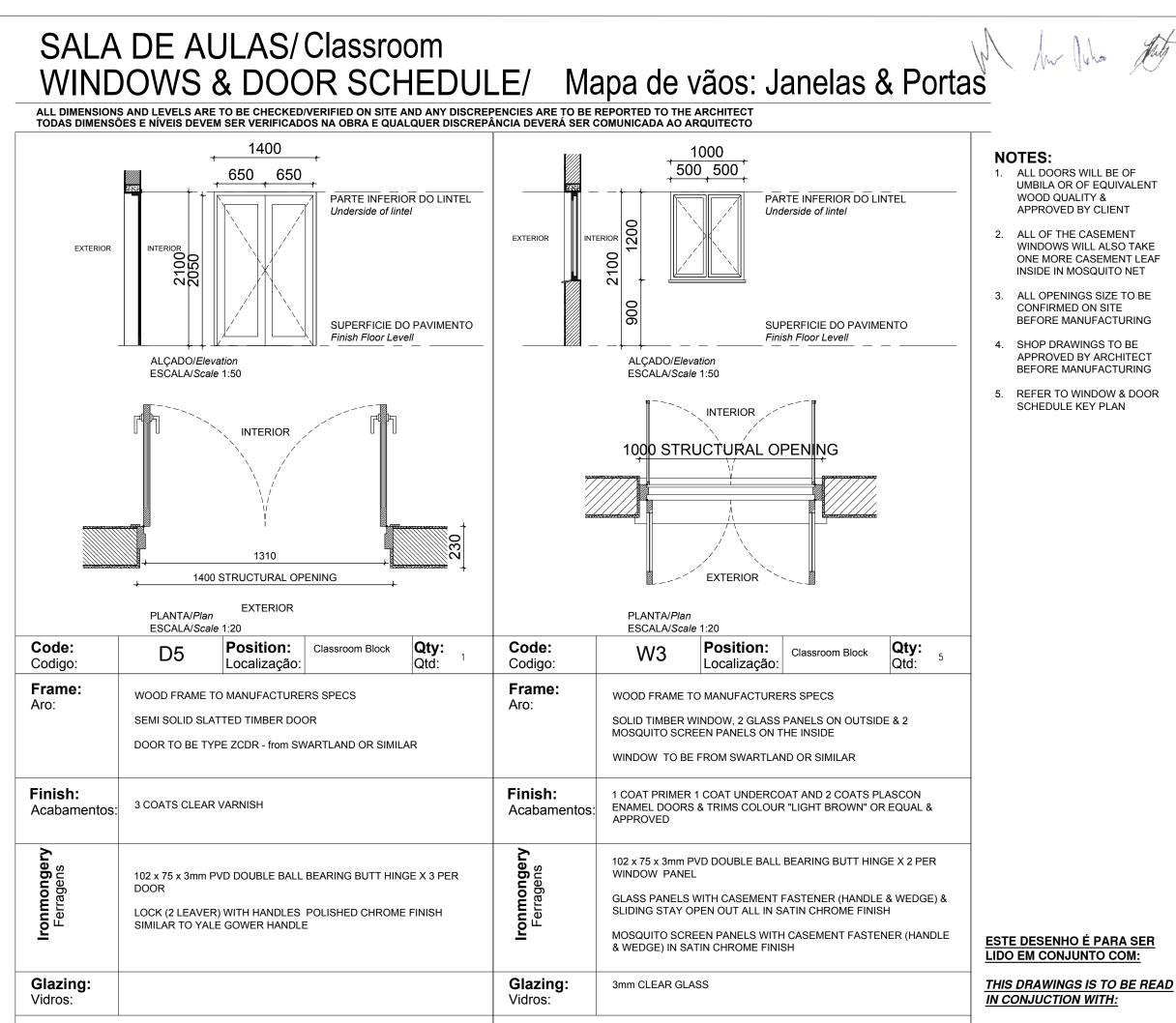
CENTRO COMUNITÁRIO - MAPA DE VÃOS FOLHA 5 DE 5 COMMUNITY CENTRE - WINDOW & DOOR SCHEDULE SHEET 5 OF 5

SCALE DATE A3@AS SHOWN NOV 2015

DRAWING NUMBER: REV N' C00290-00-AR-SCH-0005-005 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E05-00046-05





Glazing Notes:

Glazing Notes:

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



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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

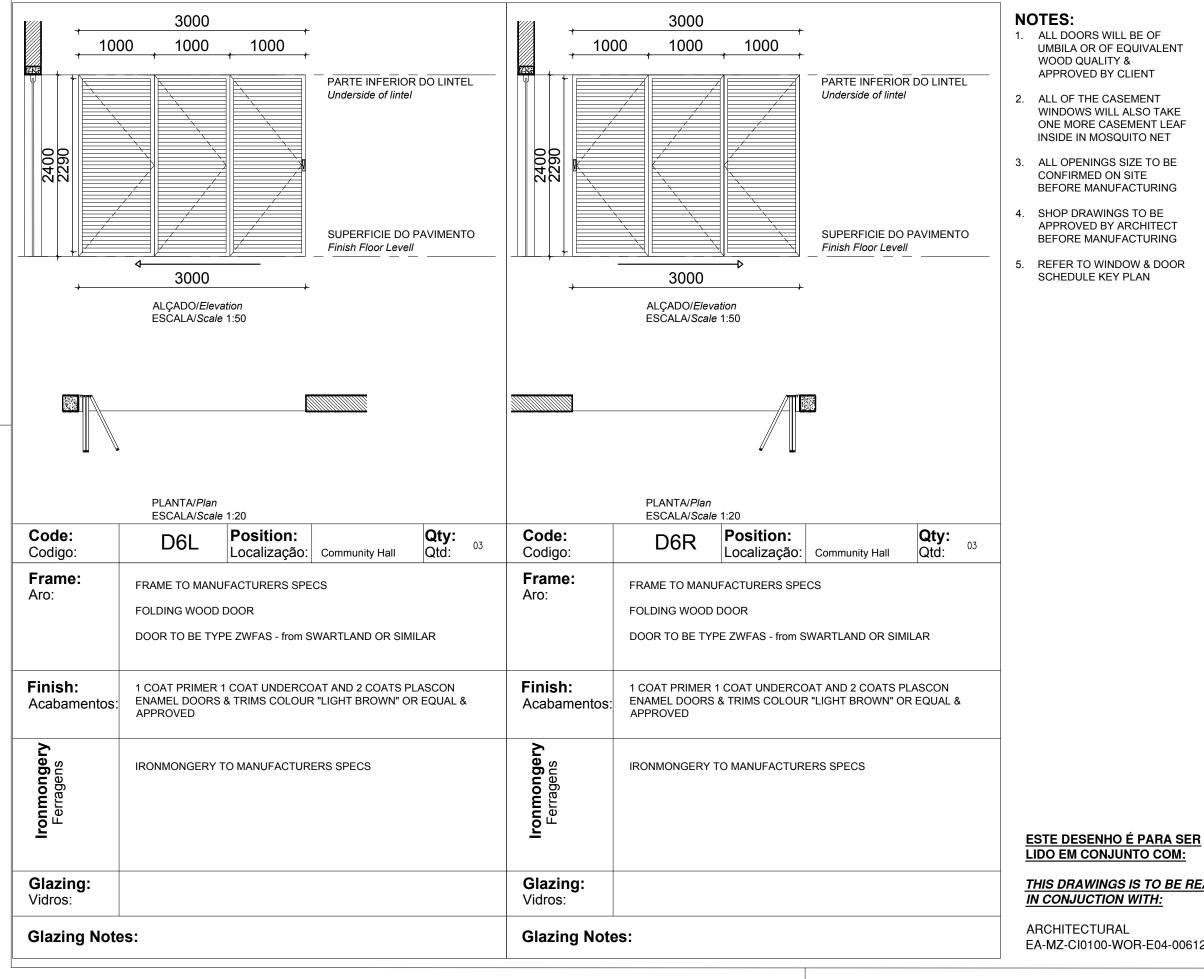
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DRAWING NUMBER REV N C00290-00-AR-SCH-0005-004 0

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



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PROJECT AMA 1 RESETTLEMENT VILLAGE

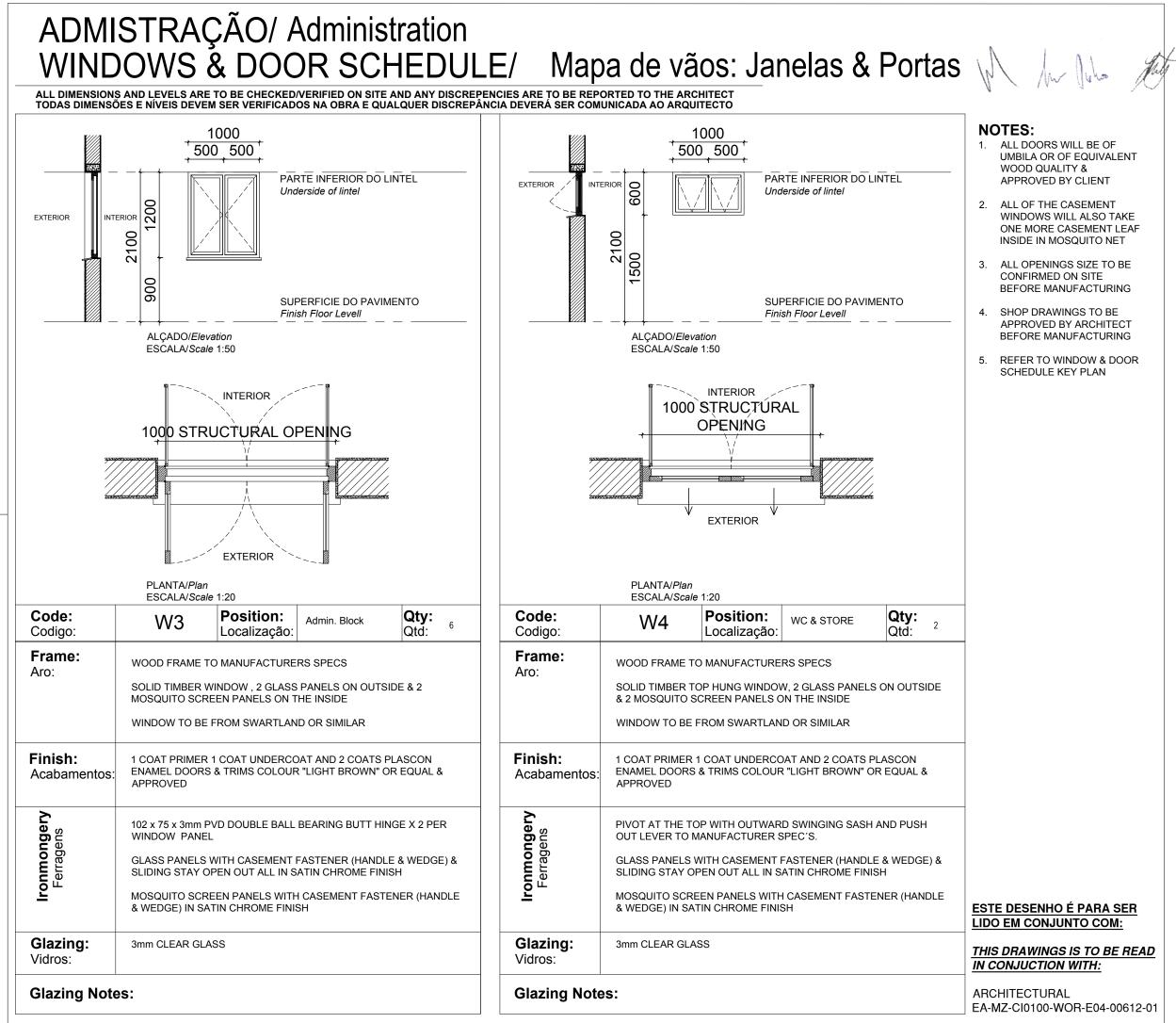
DRAWING DESCRIPTION

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

DATE SCALE A3@AS SHOWN NOV 2015

DRAWING NUMBER REV N C00290-00-AR-SCH-0005-003 0

ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00046-03



UMBILA OR OF EQUIVALENT APPROVED BY CLIENT

WINDOWS WILL ALSO TAKE ONE MORE CASEMENT LEAF INSIDE IN MOSQUITO NET

ALL OPENINGS SIZE TO BE **BEFORE MANUFACTURING**

SHOP DRAWINGS TO BE APPROVED BY ARCHITECT **BEFORE MANUFACTURING**

REFER TO WINDOW & DOOR

THIS DRAWINGS IS TO BE READ

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PROJECT AMA 1 RESETTLEMENT VILLAGE

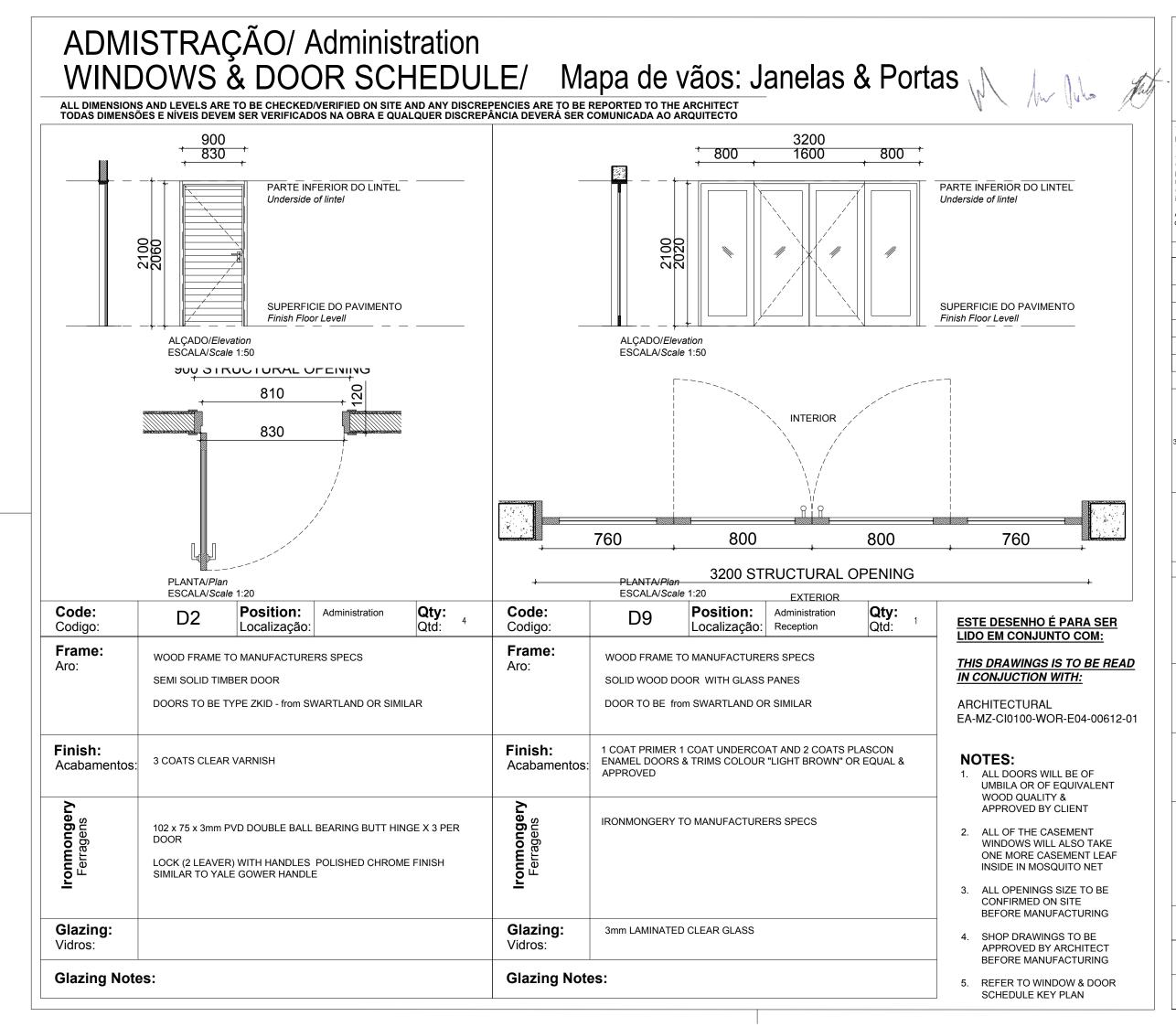
DRAWING DESCRIPTION

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

DATE SCALE A3@AS SHOWN NOV 2015

DRAWING NUMBER REV N C00290-00-AR-SCH-0005-002 0

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PROJECT AMA 1 RESETTLEMENT VILLAGE

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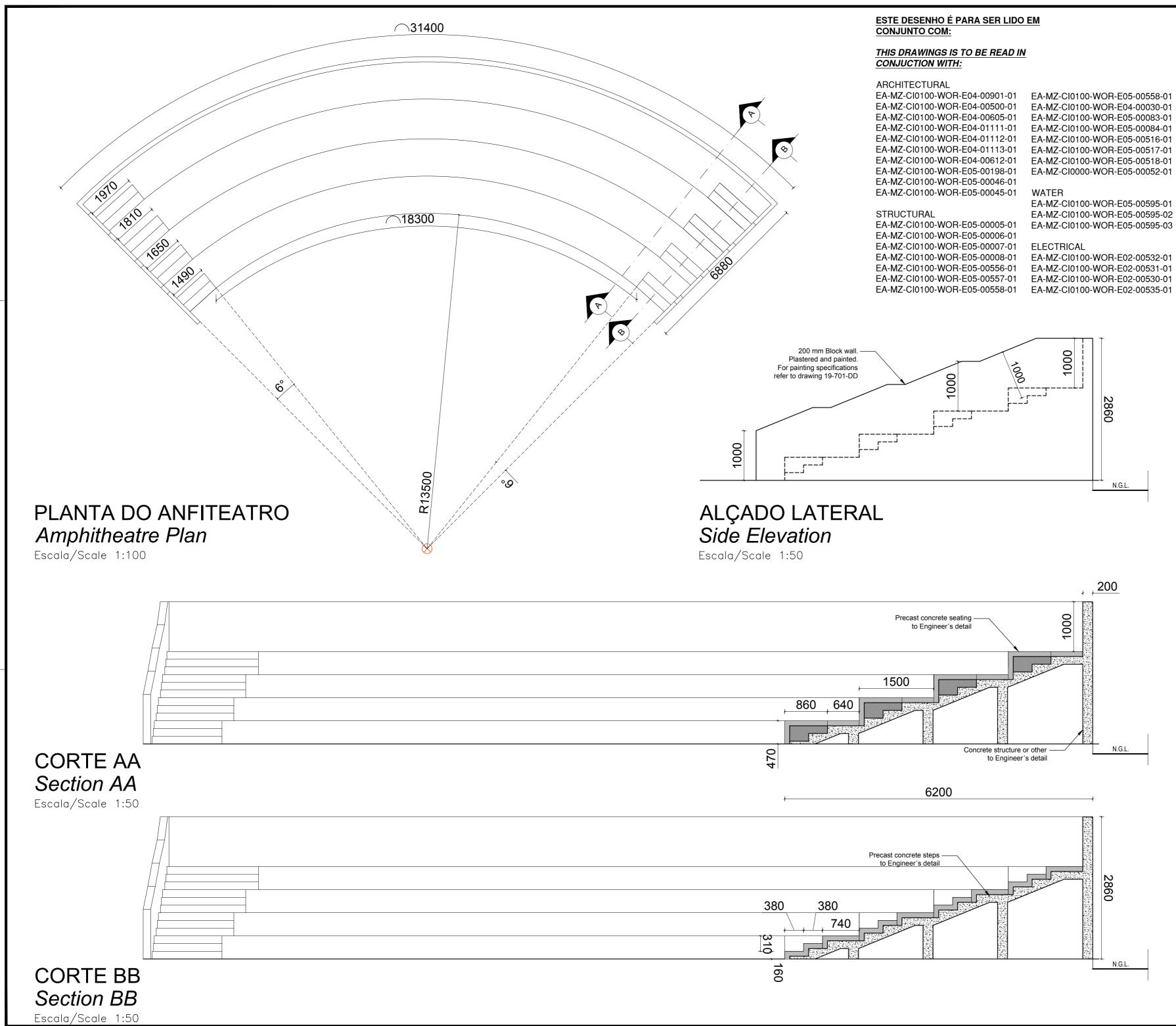
CENTRO COMUNITÁRIO - MAPA DE VÃOS FOLHA 1 DE 5 **COMMUNITY CENTRE - WINDOW** & DOOR SCHEDULE SHEET 1 OF 5

DATE SCALE A3@AS SHOWN NOV 2015

DRAWING NUMBER C00290-00-AR-SCH-0005

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ANADARKO DRAWING NUMBER EA-MZ-CI0100-WOR-E05-00046-01



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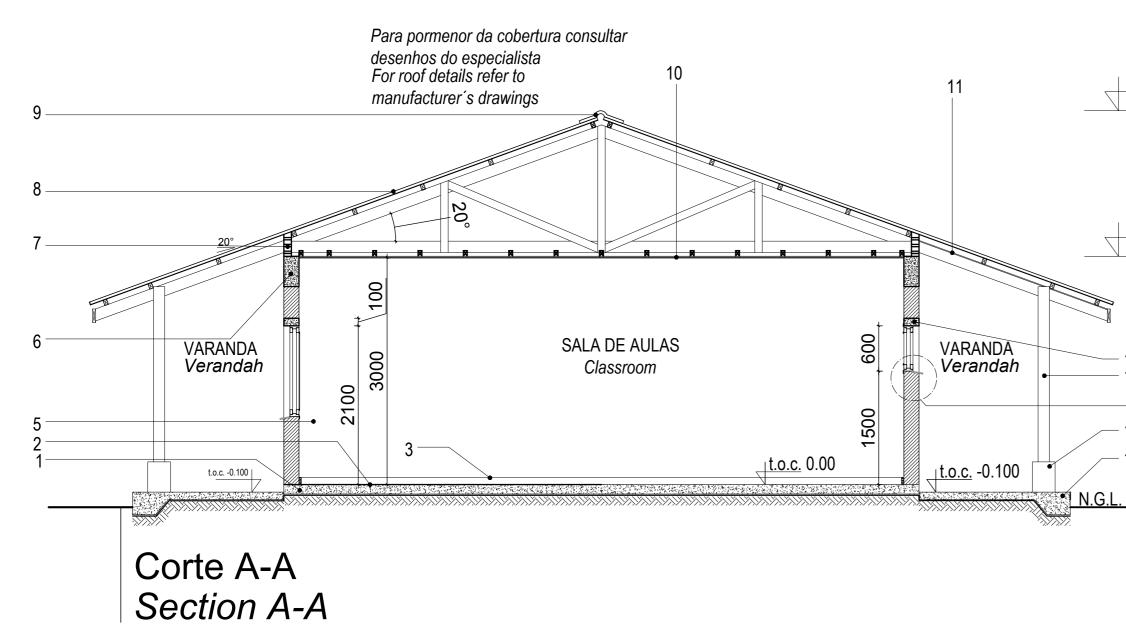
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CONSTRUCTION

С

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FOR



Escala/Scale 1:50

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

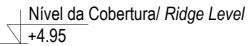
7_Cumeeira em chapa esmaltada

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



Nivel da Viga / Beam Level ±3.00

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 15
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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.

ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

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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

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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

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

	REVISIONS						
NO.	DATE	CHECKED	DONE BY	DESCRIPTION			
А	12/08/15	MM	AP	ISSUED FOR INTERNAL REVIEW			
В	12/08/15	MM	AP	ISSUED FOR DETAIL DESIGN			
С	12/08/15	MM	AP	ISSUED FOR SQUAD CHECK			
D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW			
Е	16/11/15	MM	AP	ISSUED CLIENT APPROVAL			
0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION			

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www.worleyparsons.com WorleyParsons RSA (Pty) Ltd.

MESCH						
	NAME	SIGNATURE	DATE			
DRAWN BY:	AP	for Jula				
CHECKED :	ММ	N				
DESIGNER :	AP	for Jula				
PROJECT ENG MANAGER	L PADAYACHEE	July .				
LOCAL PR ENG :						
CLIENT:	G MARAVIGLIA					
	CLI	ENT				





PROJECT AMA 1 RESETTLEMENT

VILLAGE

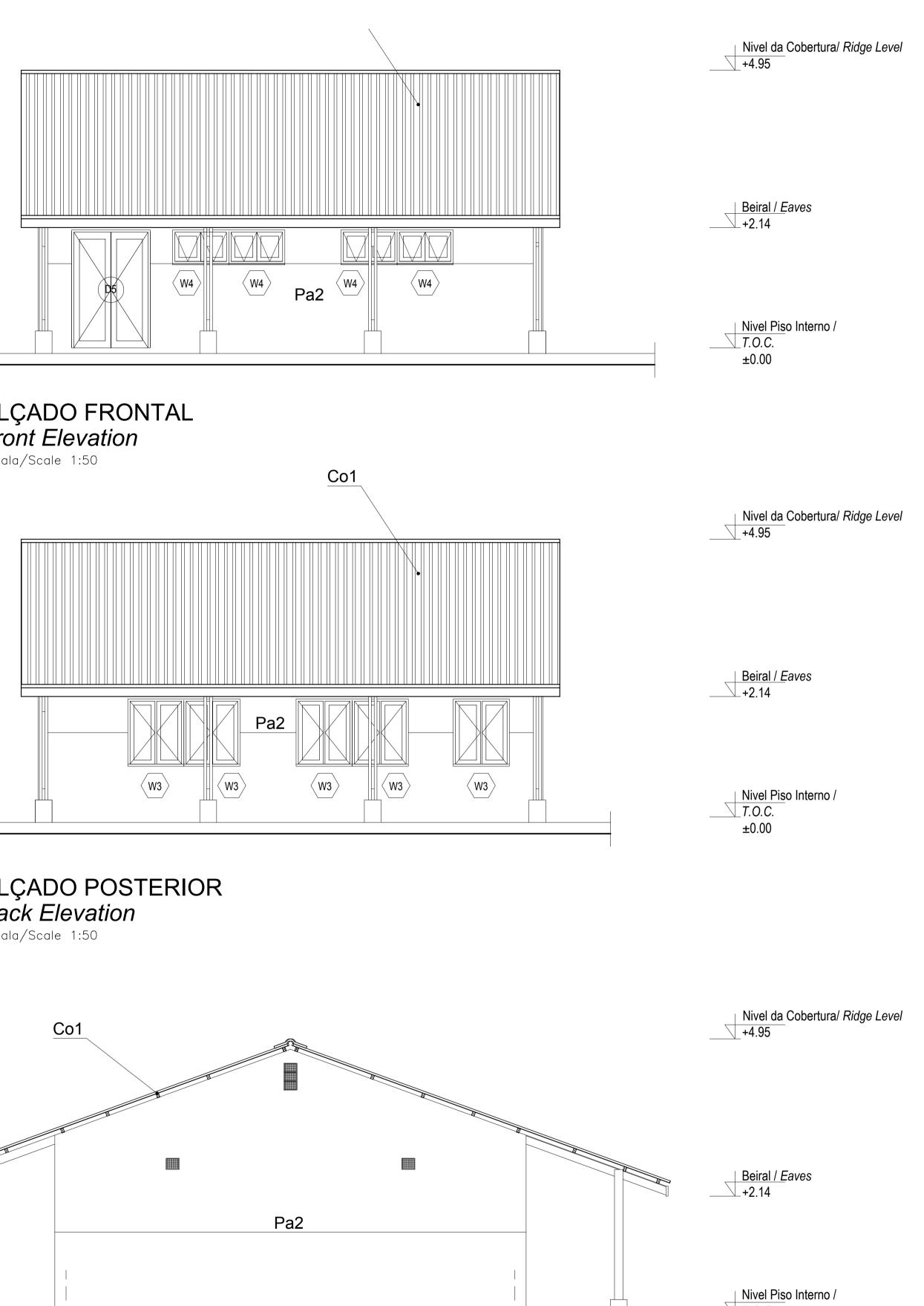
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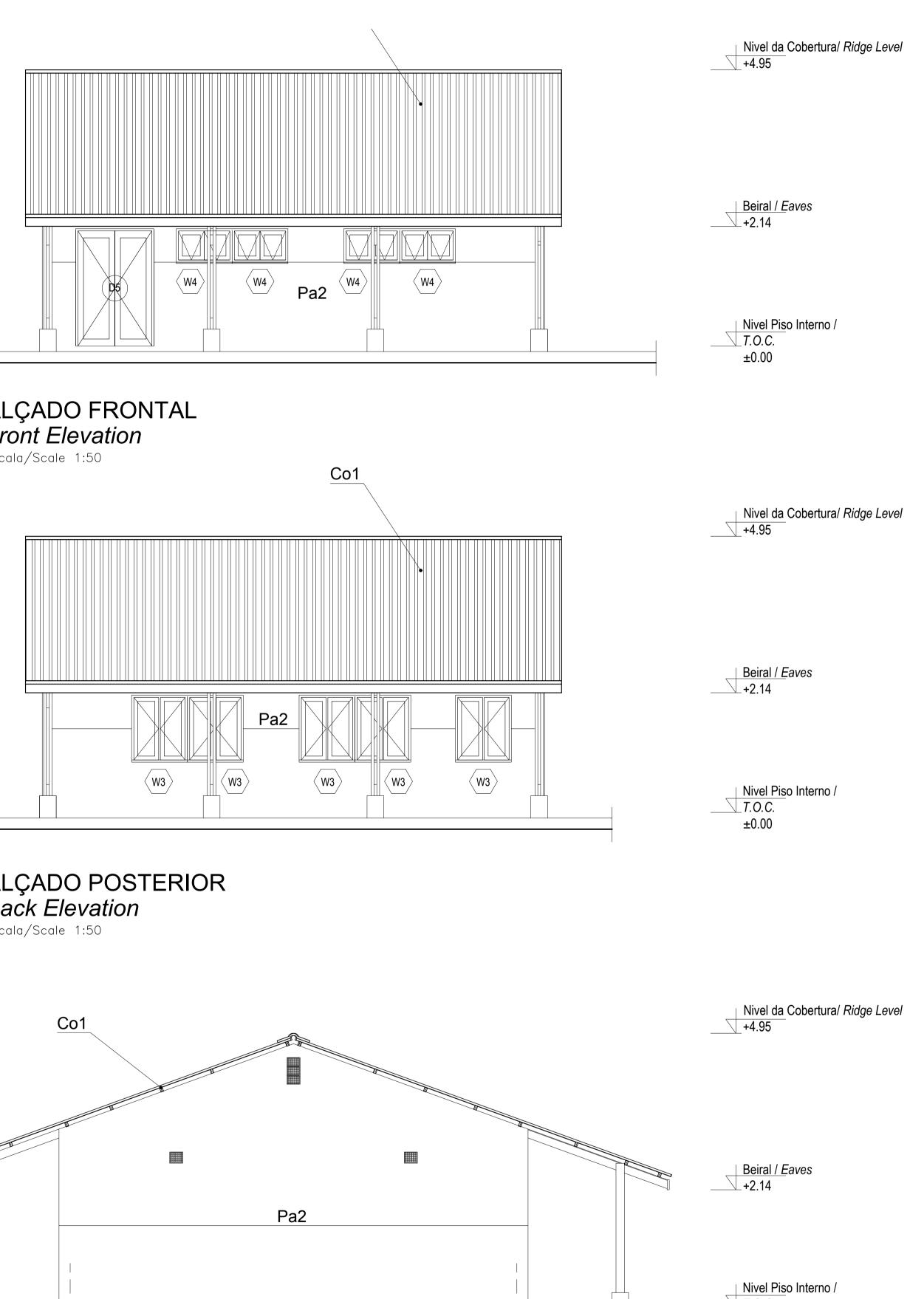
CENTRO COMUNITÁRIO -

LAYOUT DA SALA DE AULAS FOLHA 3 DE 3

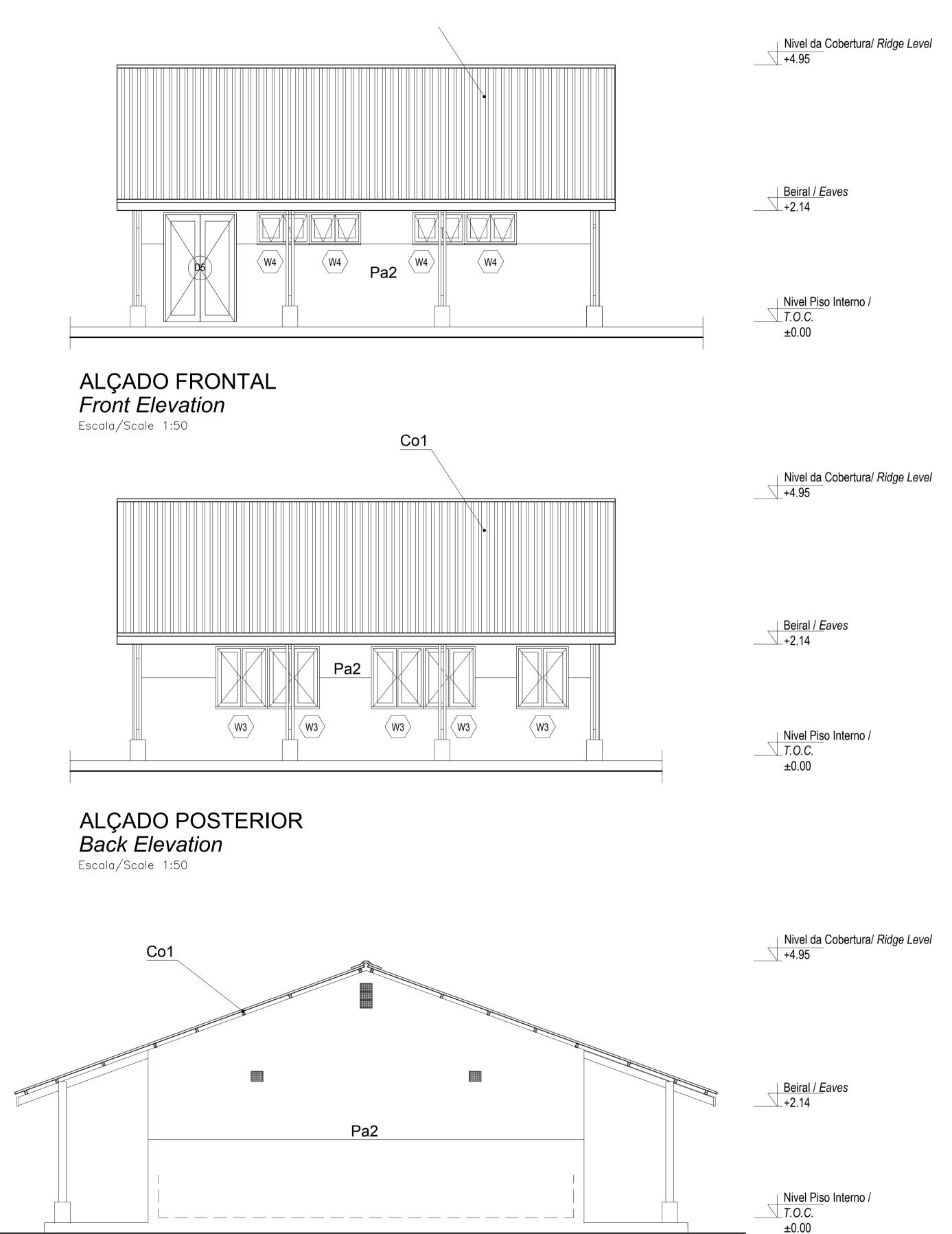
COMMUNITY CENTRE -CLASSROOM LAYOUT SHEET 3 OF 3

SCALE	DATE	
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ORIGINAL DWG SIZE A2		
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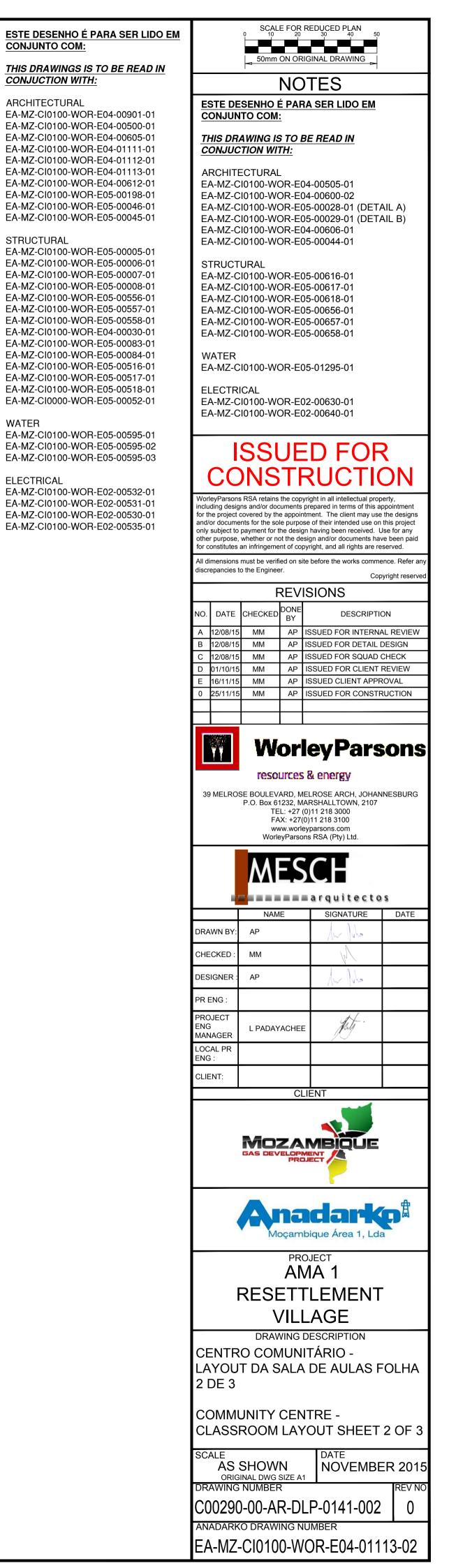


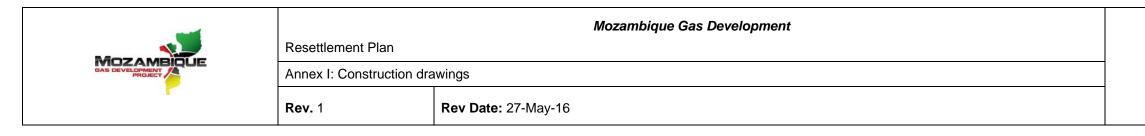


Back Elevation Escala/Scale 1:50



ALÇADO LATERAL Side Elevation Escala/Scale 1:50

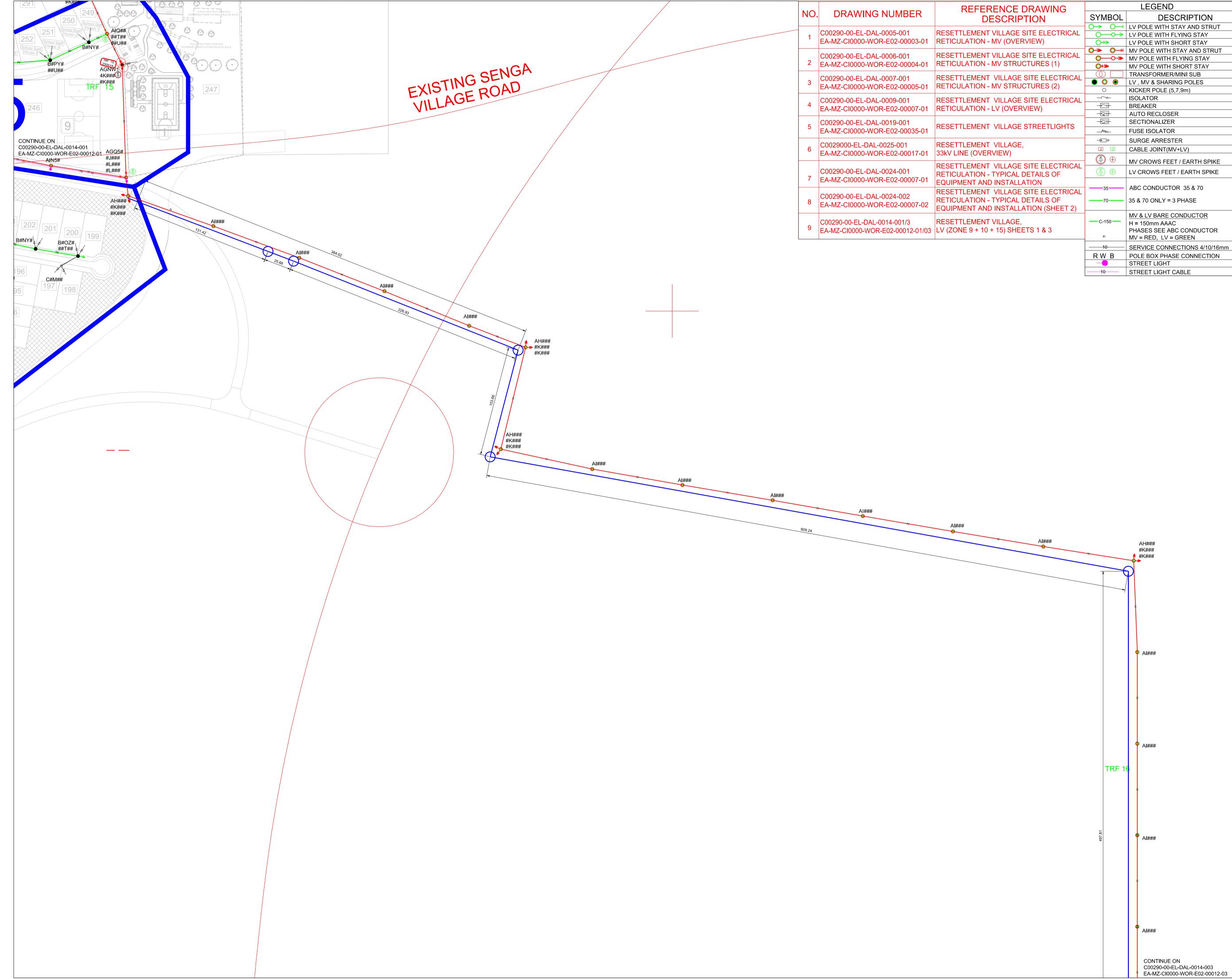




8. ELECTRICAL







				LEGEND	ΝΟΤΕΩ
NO	. DRAWING NUMBER	REFERENCE DRAWING	SYMBOL		NOTES
		DESCRIPTION			1. FOR POLE STRUCTURE CODES REFER TO
-	C00290-00-EL-DAL-0005-001	RESETTLEMENT VILLAGE SITE ELECTRICAL		LV POLE WITH STAY AND STRUT	C00290-00-EL-DAL-0006-001
1	EA-MZ-CI0000-WOR-E02-00003-01	RETICULATION - MV (OVERVIEW)		LV POLE WITH FLYING STAY	EA-MZ-CI0000-WOR-E02-00004-01
	EA-INZ-C10000-WOIR-E02-00003-01		<u></u>	LV POLE WITH SHORT STAY	
	C00290-00-EL-DAL-0006-001	RESETTLEMENT VILLAGE SITE ELECTRICAL		MV POLE WITH STAY AND STRUT	
2	EA-MZ-CI0000-WOR-E02-00004-01	RETICULATION - MV STRUCTURES (1)		MV POLE WITH FLYING STAY	
			○+≫	MV POLE WITH SHORT STAY	
	C00290-00-EL-DAL-0007-001	RESETTLEMENT VILLAGE SITE ELECTRICAL		TRANSFORMER/MINI SUB	
3	EA-MZ-CI0000-WOR-E02-00005-01	RETICULATION - MV STRUCTURES (2)		LV, MV & SHARING POLES	
			0	KICKER POLE (5,7,9m)	
	C00290-00-EL-DAL-0009-001	RESETTLEMENT VILLAGE SITE ELECTRICAL	-1 -2	ISOLATOR	
4	EA-MZ-CI0000-WOR-E02-00007-01	RETICULATION - LV (OVERVIEW)		BREAKER	
				AUTO RECLOSER	
5	C00290-00-EL-DAL-0019-001	RESETTLEMENT VILLAGE STREETLIGHTS		SECTIONALIZER	-
	EA-MZ-CI0000-WOR-E02-00035-01			FUSE ISOLATOR	
	C0029000-EL-DAL-0025-001	RESETTLEMENT VILLAGE.	- 	SURGE ARRESTER	
6	EA-MZ-CI0000-WOR-E02-00017-01	33kV LINE (OVERVIEW)	JJ	CABLE JOINT(MV+LV)	
	EA-WZ-C10000-WOR-E02-00017-01			MV CROWS FEET / EARTH SPIKE	
	C00290-00-EL-DAL-0024-001	RESETTLEMENT VILLAGE SITE ELECTRICAL		LV CROWS FEET / EARTH SPIKE	
7	EA-MZ-CI0000-WOR-E02-00007-01	RETICULATION - TYPICAL DETAILS OF			6
		EQUIPMENT AND INSTALLATION	35	ABC CONDUCTOR 35 & 70	
	C00290-00-EL-DAL-0024-002	RESETTLEMENT VILLAGE SITE ELECTRICAL			
8	EA-MZ-CI0000-WOR-E02-00007-02	RETICULATION - TYPICAL DETAILS OF	70	35 & 70 ONLY = 3 PHASE	
		EQUIPMENT AND INSTALLATION (SHEET 2)			
	C00290-00-EL-DAL-0014-001/3	RESETTLEMENT VILLAGE.		MV & LV BARE CONDUCTOR	
9	EA-MZ-CI0000-WOR-E02-00012-01/03		0 100	H = 150mm AAAC PHASES SEE ABC CONDUCTOR	
	EA-IVIZ-CIUUUU-VVOR-EUZ-UUU1Z-U1/03		н	MV = RED, LV = GREEN	
		·	 <u>10</u>		
				SERVICE CONNECTIONS 4/10/16mm	
			RWB	POLE BOX PHASE CONNECTION STREET LIGHT	KEYPLAN
					KEYPLAN SCALE: N.T.S.
			10	STREET LIGHT CABLE	↓

KEYPLAN SCALE: N.T.S. $- \langle \langle$

ISSUED FOR CONSTRUCTION

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REVISIONS							
NO.	DATE	CHECKED	DONE BY	DESCRIPTION			
А	23/07/15	ТМ	ТМ	ISSUED FOR INTERNAL REVIEW			
В	23/07/15	ТМ	ТМ	ISSUED FOR DETAILED DESIGN			
С	17/09/15	ТМ	ТМ	ISSUED FOR SQUAD CHECK			
D	03/10/15	GM	MM	ISSUED FOR CLIENT REVIEW			
D1	20/11/15	GM	MM	ISSUED FOR CLIENT REVIEW			
Е	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL			
0	03/12/15	ТМ	MM	ISSUED FOR CONSTRUCTION			
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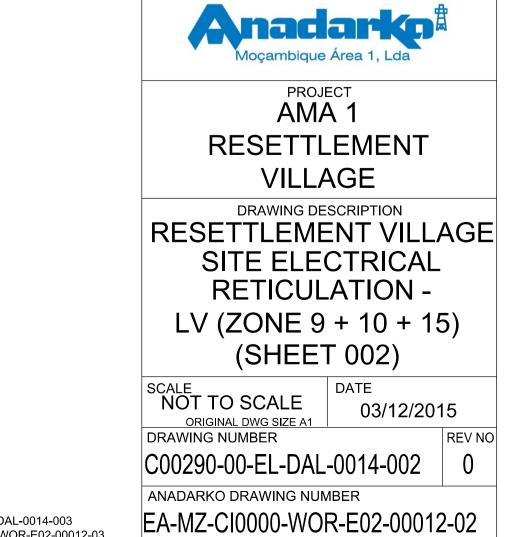
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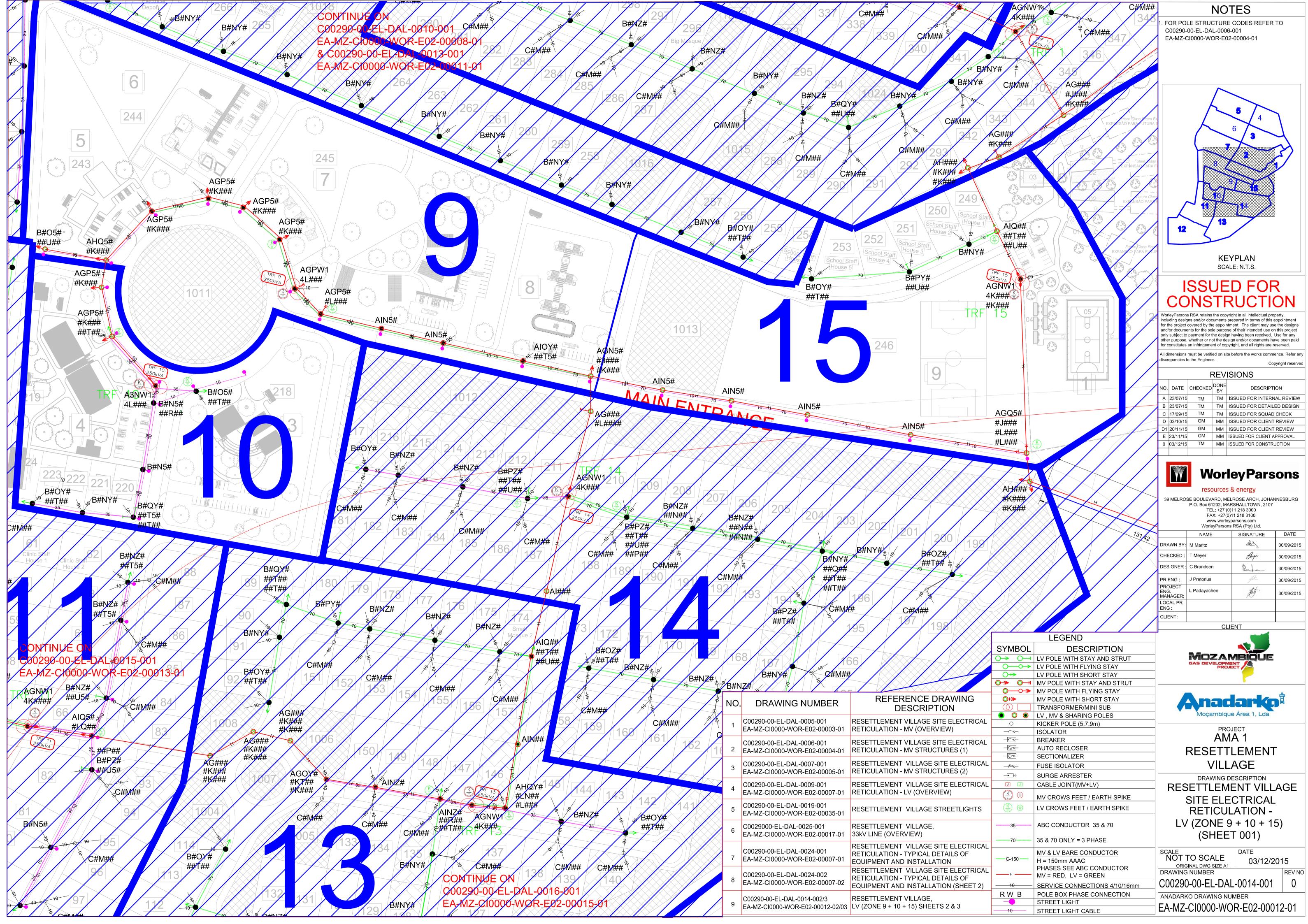
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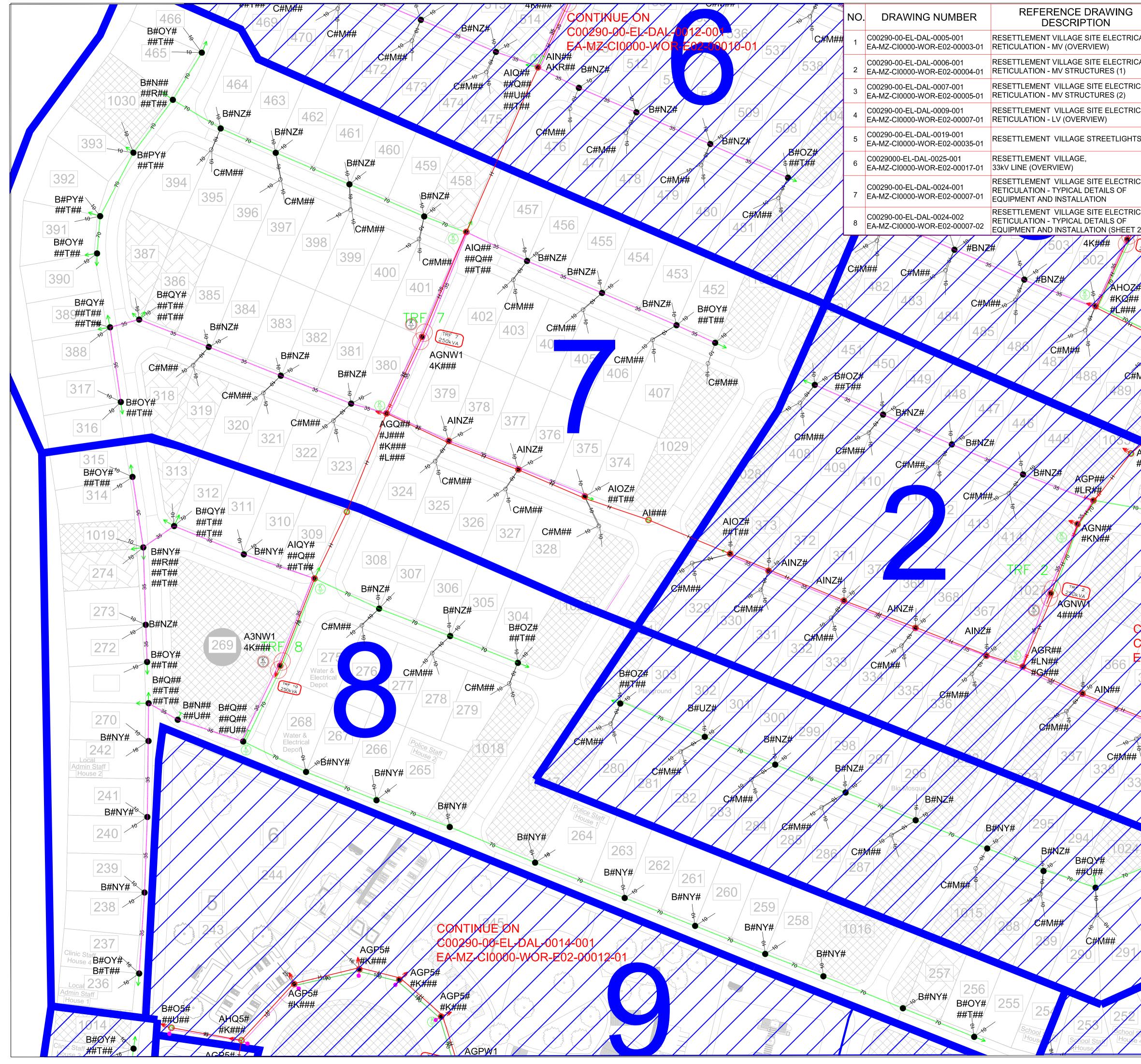
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	NAME	SIGNATURE	DATE				
DRAWN BY:	M Maritz	At 1	30/09/2015				
CHECKED :	T Meyer	Augu	30/09/2015				
DESIGNER :	C Brandsen	Dela	30/09/2015				
PR ENG :	J Pretorius	4k.	30/09/2015				
PROJECT ENG. MANAGER:	L Padayachee	July .	30/09/2015				
LOCAL PR ENG :							
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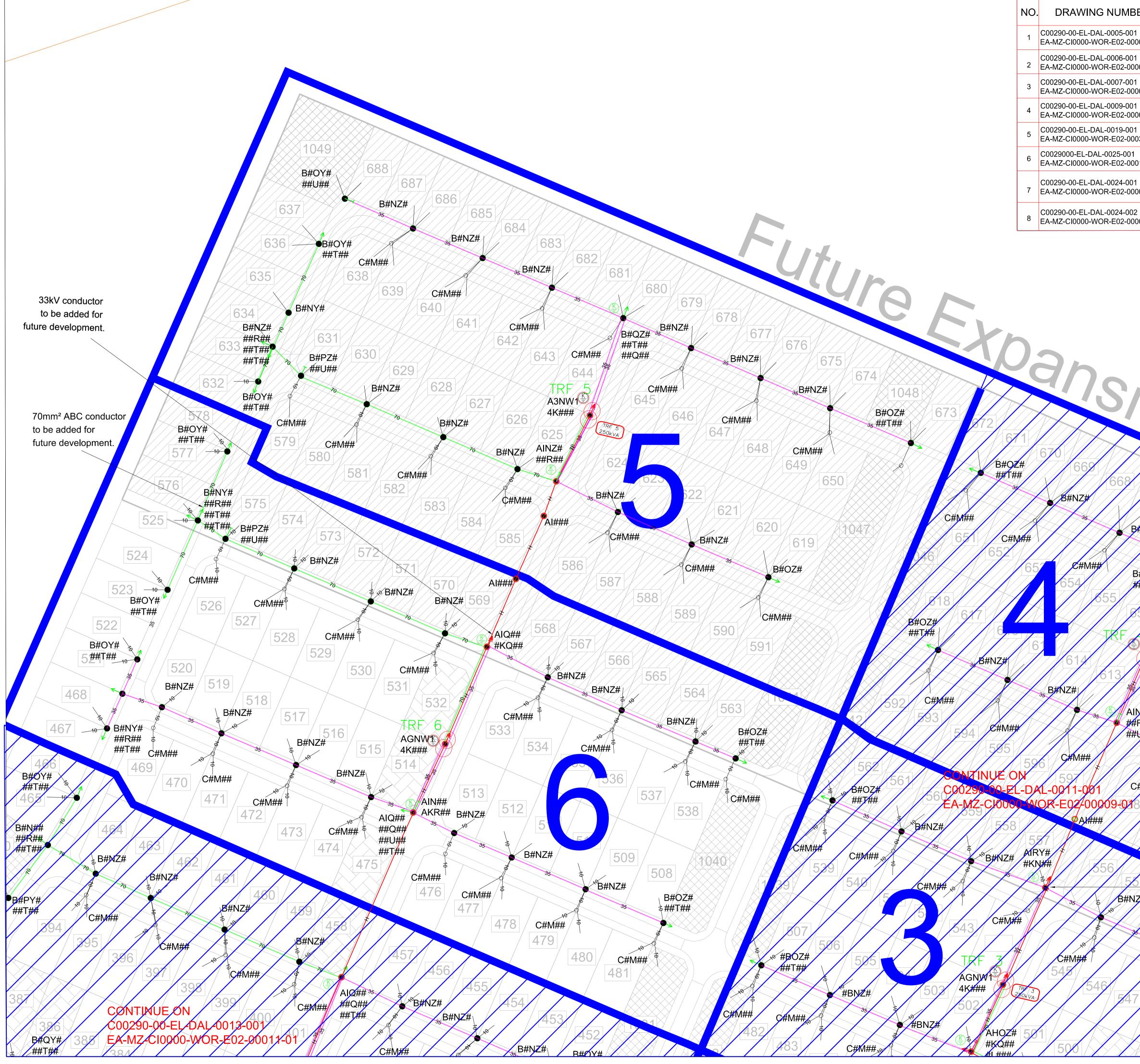




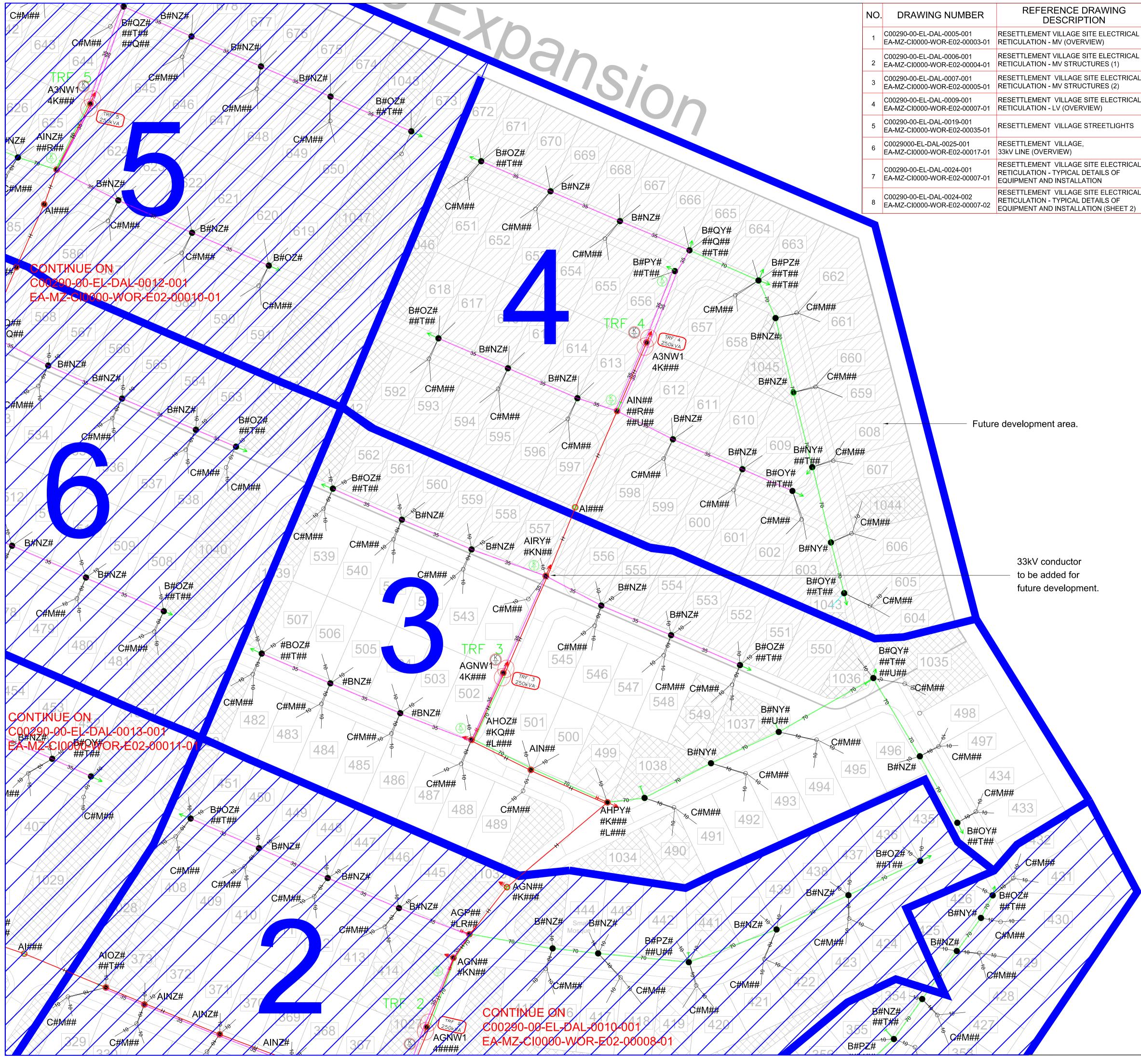




		LEGEND			NIC	OTES		
	SYMBOL →	DES LV POLE WITH S			1. FOR POLE STRUCTURE CODES REFER TO C00290-00-EL-DAL-0006-001			
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CAL	O+> O→ O-++	LV POLE WITH SI MV POLE WITH S		_				
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CAL		TRANSFORMER/	MINI SUB	-				
CAL	0	LV , MV & SHARIN KICKER POLE (5,			~			
		ISOLATOR BREAKER			6			
S		AUTO RECLOSEI SECTIONALIZER				4		
		FUSE ISOLATOR						
		SURGE ARREST						
CAL		MV CROWS FEET	·					
		LV CROWS FEET	/ EARTH SPIKE					
CAL		ABC CONDUCTO	PR 35 & 70					
2)	70	35 & 70 ONLY = 3	3 PHASE			14		
TRF 250k	0.450	MV & LV BARE C		╢ _{┻┻}				
	C-150	H = 150mm AAAC PHASES SEE AB		12	1	•/		
	<u> н </u>	MV = RED, LV = 0	GREEN ECTIONS 4/10/16mm	- └──				
# 5	RWB	POLE BOX PHAS			К	EYPLAN		
	10	STREET LIGHT	ABLE		SC	CALE: N.T.S.		
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	** *C#M#		70 C#M##		resource	es & energy		
/ //	⁵ 418		70 C#M##		resource SE BOULEVARD, P.O. Box 61232, TEL: +2'	es & energy MELROSE ARCH, JOH MARSHALLTOWN, 210 7 (0)11 218 3000	ANNESBURG	
, \$1	^{**} ^{**} C#M#		70 C#M##		resource SE BOULEVARD, P.O. Box 61232, TEL: +2' FAX: +2 www.wo	es & energy MELROSE ARCH, JOH MARSHALLTOWN, 210	ANNESBURG	
	5 418	# \$ 20	70 C#M##		resource SE BOULEVARD, P.O. Box 61232, TEL: +2' FAX: +2 www.wo	MELROSE ARCH, JOH MARSHALLTOWN, 210 7 (0)11 218 3000 27(0)11 218 3100 orleyparsons.com sons RSA (Pty) Ltd. SIGNATURE	ANNESBURG	
	5 418 NTINUE	# \$ %	70 C#M## C#M 18 419	39 MELRO	resource SE BOULEVARD, P.O. Box 61232, TEL: +2' FAX: +2 www.wo WorleyPar NAME M Maritz	MELROSE ARCH, JOH MARSHALLTOWN, 210 7 (0)11 218 3000 27(0)11 218 3100 orleyparsons.com sons RSA (Pty) Ltd. SIGNATURE	ANNESBURG DATE 30/09/2015	
	5 418 NTINUE 290-00-E	# \$ % 417 4 ON L-DAL-00	70 C#M## C#M 18 419	39 MELRO	resource SE BOULEVARD, P.O. Box 61232, TEL: +2 FAX: +2 www.wc WorleyPar NAME	MELROSE ARCH, JOH MARSHALLTOWN, 210 7 (0)11 218 3000 27(0)11 218 3100 orleyparsons.com sons RSA (Pty) Ltd. SIGNATURE	ANNESBURG DATE 30/09/2015 30/09/2015	
	5 418 NTINUE 290-00-E	# \$ % 417 4 ON L-DAL-00	70 C#M## C#M 18 419	39 MELRO DRAWN BY: CHECKED :	resource SE BOULEVARD, P.O. Box 61232, TEL: +2' FAX: +2 www.wo WorleyPar NAME M Maritz T Meyer	MELROSE ARCH, JOH MARSHALLTOWN, 210 7 (0)11 218 3000 27(0)11 218 3100 orleyparsons.com sons RSA (Pty) Ltd. SIGNATURE	ANNESBURG DATE 30/09/2015	
	5 418 NTINUE 290-00-E	# \$ % 417 4 ON L-DAL-00	70 C#M## C#M 18 419	39 MELRO DRAWN BY: CHECKED : DESIGNER :	resource SE BOULEVARD, P.O. Box 61232, TEL: +2 FAX: +2 www.wc WorleyPar NAME M Maritz T Meyer C Brandsen	MELROSE ARCH, JOH MARSHALLTOWN, 210 7 (0)11 218 3000 27(0)11 218 3100 orleyparsons.com sons RSA (Pty) Ltd. SIGNATURE	ANNESBURG DATE 30/09/2015 30/09/2015 30/09/2015	
	5 418 NTINUE 290-00-E	# \$ % 417 4 ON L-DAL-00	70 C#M## C#M 18 419	39 MELRO DRAWN BY: CHECKED : DESIGNER : PR ENG : PROJECT ENG.	resource SE BOULEVARD, P.O. Box 61232, TEL: +2 FAX: +2 www.wc WorleyPar NAME M Maritz T Meyer C Brandsen J Pretorius	MELROSE ARCH, JOH MARSHALLTOWN, 210 7 (0)11 218 3000 27(0)11 218 3100 orleyparsons.com sons RSA (Pty) Ltd. SIGNATURE	DATE 30/09/2015 30/09/2015 30/09/2015 30/09/2015	
	5 418 NTINUE 290-00-E MZ-CI00 5 384	# \$ %	70 C#M## C#M 18 419	39 MELRO DRAWN BY: CHECKED : DESIGNER : PR ENG : PROJECT ENG. MANAGER: LOCAL PR	resource SE BOULEVARD, P.O. Box 61232, TEL: +2 FAX: +2 www.wo WorleyPar NAME M Maritz T Meyer C Brandsen J Pretorius L Padayachee	es & energy MELROSE ARCH, JOH MARSHALLTOWN, 210 7 (0)11 218 3000 27(0)11 218 3100 orleyparsons.com sons RSA (Pty) Ltd. SIGNATURE	DATE 30/09/2015 30/09/2015 30/09/2015 30/09/2015	
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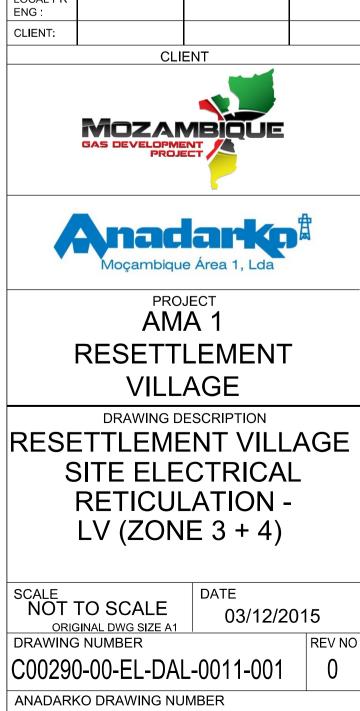


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1 003-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV (OVERVIEW)	C00290-	LE STRUCTUR 00-EL-DAL-000 0000-WOR-E		RTO
1 004-01	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - MV STRUCTURES (1)			52-00004-01	
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005-01 1 007-01	RETICULATION - MV STRUCTURES (2) RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - LV (OVERVIEW)				
1 035-01	RESETTLEMENT VILLAGE STREETLIGHTS			• ? >	
017-01	RESETTLEMENT VILLAGE, 33kV LINE (OVERVIEW)				7
1	RESETTLEMENT VILLAGE SITE ELECTRICAL RETICULATION - TYPICAL DETAILS OF	-	8	2	3
007-01	EQUIPMENT AND INSTALLATION RESETTLEMENT VILLAGE SITE ELECTRICAL	-		9	
007-02	RETICULATION - TYPICAL DETAILS OF EQUIPMENT AND INSTALLATION (SHEET 2))
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5			WorleyParso	SIGNATURE	DATE
		DRAWN BY: CHECKED :	M Maritz T Meyer	Augu Suga	30/09/2015 30/09/2015
		DESIGNER :	C Brandsen	Denter	
		PR ENG : PROJECT	J Pretorius	4th	30/09/2015
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	LEGEND MBOL DESCRIPTION	MANAGER: LOCAL PR ENG :			30/09/2015 30/09/2015
	MBOL DESCRIPTION O LV POLE WITH STAY AND STRUT O-> LV POLE WITH FLYING STAY	MANAGER: LOCAL PR ENG :		MBIQUE	30/09/2015 30/09/2015
→ → → → → →	MBOL DESCRIPTION O-+ LV POLE WITH STAY AND STRUT > LV POLE WITH FLYING STAY +> LV POLE WITH SHORT STAY + MV POLE WITH STAY AND STRUT	MANAGER: LOCAL PR ENG : CLIENT:			30/09/2015 30/09/2015
	MBOLDESCRIPTIONO-ILV POLE WITH STAY AND STRUTO-ILV POLE WITH FLYING STAYIV POLE WITH SHORT STAYIV POLE WITH STAY AND STRUTO-IIMV POLE WITH FLYING STAYMV POLE WITH FLYING STAYMV POLE WITH SHORT STAY	MANAGER: LOCAL PR ENG : CLIENT:			30/09/2015 30/09/2015
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	MBOLDESCRIPTIONO-ILV POLE WITH STAY AND STRUTO-ILV POLE WITH FLYING STAY+>LV POLE WITH SHORT STAY+>LV POLE WITH STAY AND STRUTO-IIMV POLE WITH FLYING STAY+>MV POLE WITH SHORT STAY+>MV POLE WITH SHORT STAYITRANSFORMER/MINI SUBILV , MV & SHARING POLESOKICKER POLE (5,7,9m)IISOLATOR	MANAGER: LOCAL PR ENG : CLIENT:		MBOUE	30/09/2015 30/09/2015
	MBOLDESCRIPTIONO-ILV POLE WITH STAY AND STRUTO-ILV POLE WITH FLYING STAYIV POLE WITH SHORT STAYIV POLE WITH STAY AND STRUTO-IIMV POLE WITH FLYING STAYMV POLE WITH FLYING STAYIV POLE WITH SHORT STAYIV SHARING POLESIV, MV & SHARING POLESISOLATORIV BREAKERIV AUTO RECLOSER	MANAGER: LOCAL PR ENG : CLIENT:	C MOZA SAS DEVELOR PR Moçambic PR AN RESET	OJECT A 1 TLEMEN	30/09/2015 30/09/2015
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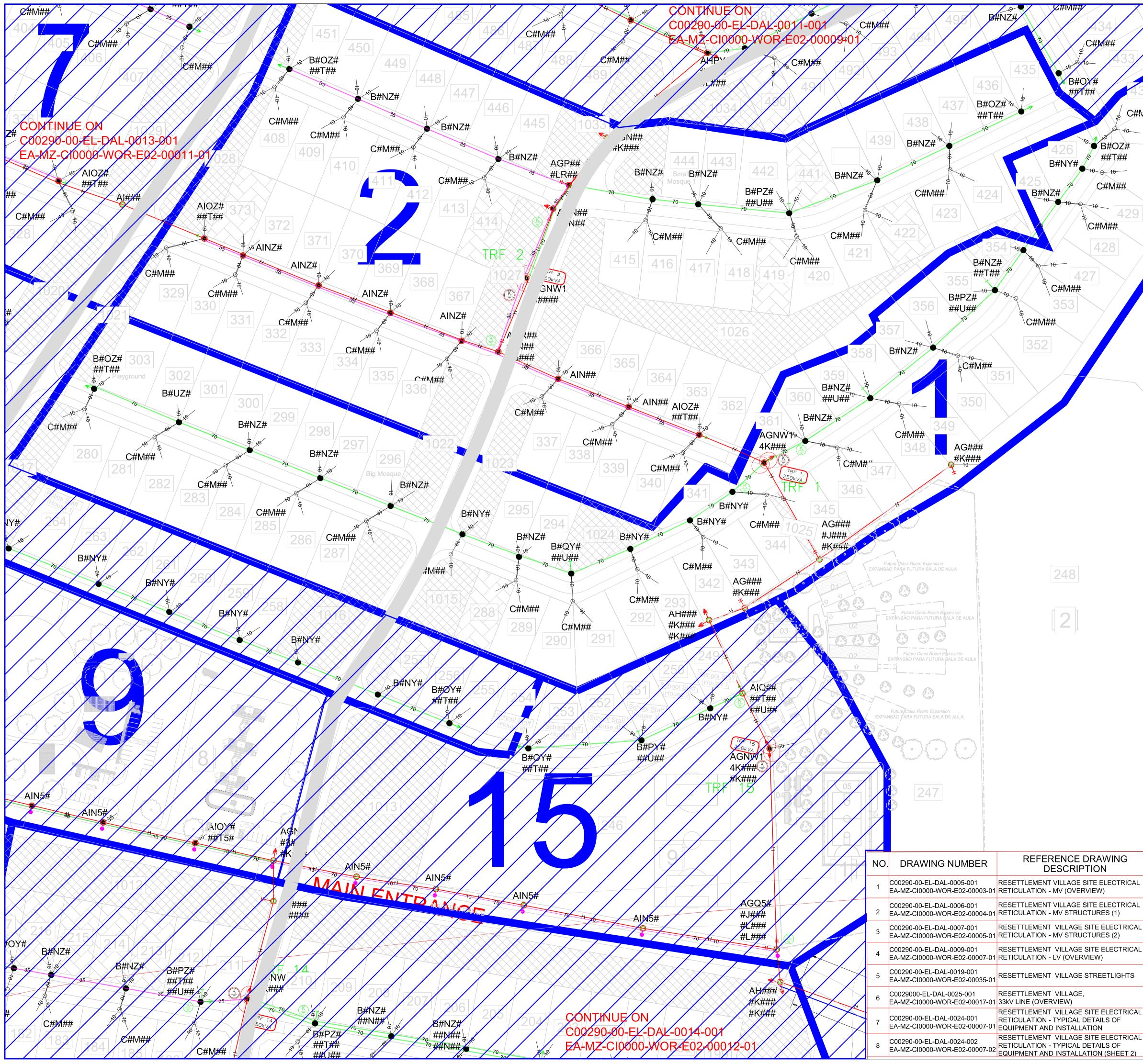


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		TRANSFORMER/MINI SUB	
L		LV , MV & SHARING POLES	
_	0	KICKER POLE (5,7,9m)	
-		ISOLATOR	-
	×	BREAKER	41
		AUTO RECLOSER	-
		SECTIONALIZER	
		FUSE ISOLATOR	
L	- -	SURGE ARRESTER	
	JJ	CABLE JOINT(MV+LV)	
L		MV CROWS FEET / EARTH SPIKE	
		LV CROWS FEET / EARTH SPIKE	
	35	ABC CONDUCTOR 35 & 70	
	70	35 & 70 ONLY = 3 PHASE	
		MV & LV BARE CONDUCTOR	
		H = 150mm AAAC	
	н	PHASES SEE ABC CONDUCTOR MV = RED, LV = GREEN	
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	RW B	POLE BOX PHASE CONNECTION	
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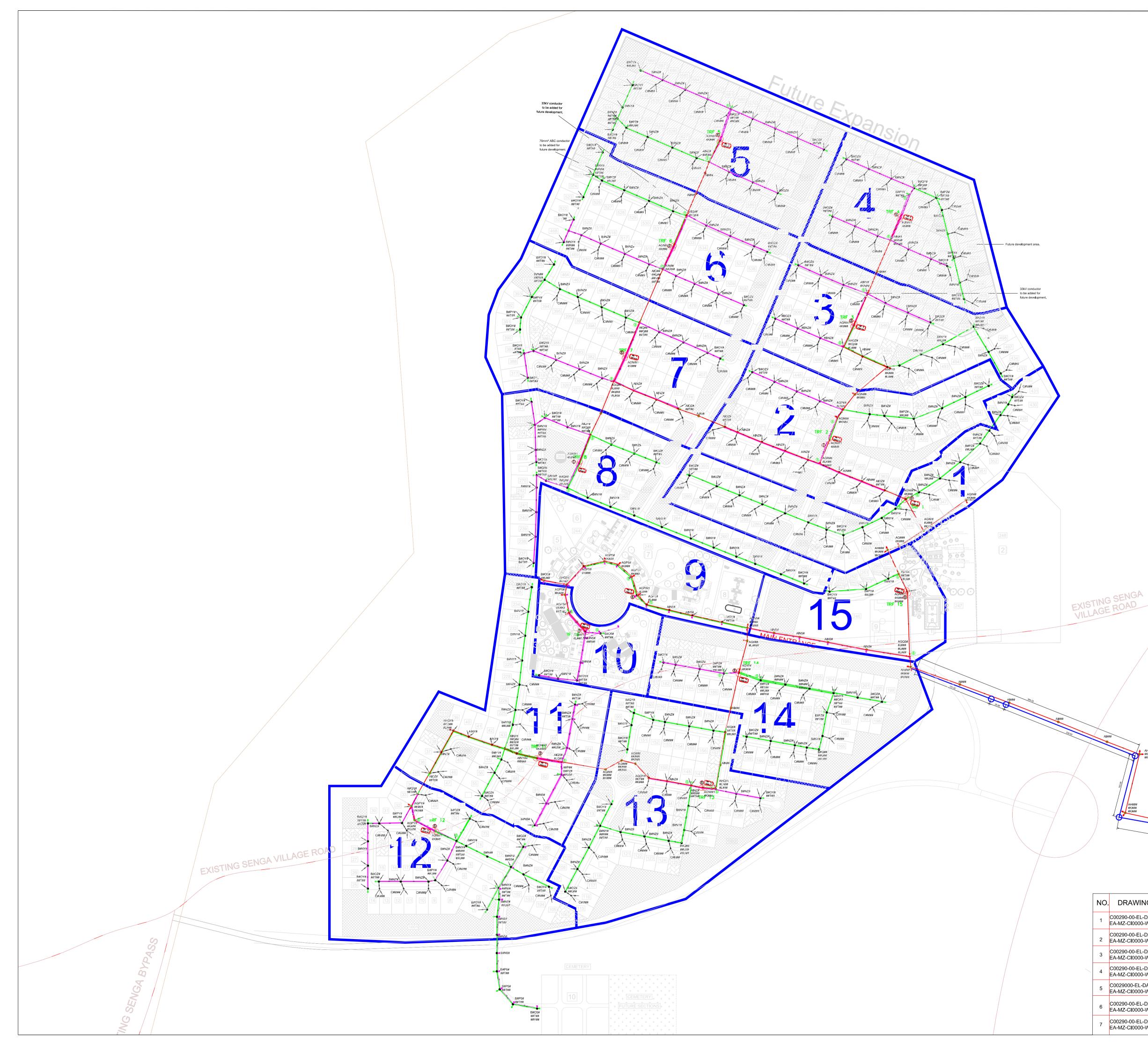
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WorleyParsons resources & energy 39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG P.O. Box 61232, MARSHALLTOWN, 2107 TEL: +27 (0)11 218 3000 FAX: +27(0)11 218 3100 www.worleyparsons.com							
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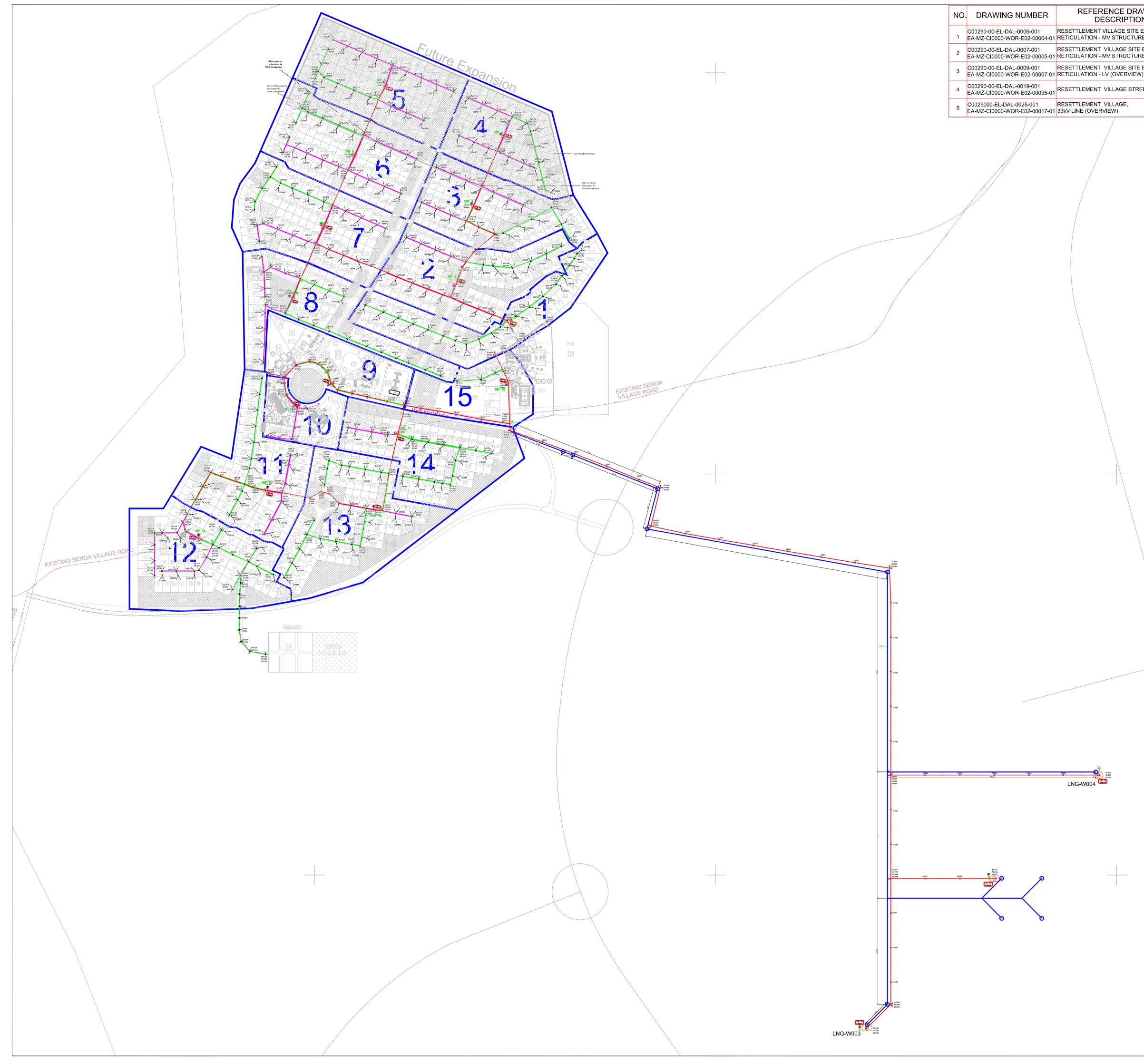
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	0	KICKER POLE (5,7,9m) ISOLATOR			ROJECT	
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AWING	LEGEND					
ON	SYMBOL	DESCRIPTION				
ELECTRICAL	\rightarrow \bigcirc	LV POLE WITH STAY AND STRUT				
RES (1)	\longrightarrow	LV POLE WITH FLYING STAY				
	0+>	LV POLE WITH SHORT STAY				
E ELECTRICAL RES (2)	○→	MV POLE WITH STAY AND STRUT				
	○ — ○ →	MV POLE WITH FLYING STAY				
ELECTRICAL	⊘+≫	MV POLE WITH SHORT STAY				
V)	\bigcirc	TRANSFORMER/MINI SUB				
		LV , MV & SHARING POLES				
EETLIGHTS	0	KICKER POLE (5,7,9m)				
		ISOLATOR				
	×	BREAKER				
		AUTO RECLOSER				
	- Kanalana - Kana	SECTIONALIZER				
	i\$	FUSE ISOLATOR				
	- F	SURGE ARRESTER				
	7	CABLE JOINT(MV+LV)				
	(k)	MV CROWS FEET / EARTH SPIKE				
	(<u>k</u>)	LV CROWS FEET / EARTH SPIKE				
		ABC CONDUCTOR 35 & 70				
	70	35 & 70 ONLY = 3 PHASE				
	C-150	MV & LV BARE CONDUCTOR H = 150mm AAAC PHASES SEE ABC CONDUCTOR				
	— н — —	MV = RED, LV = GREEN				
		SERVICE CONNECTIONS 4/10/16mm				
	RW B	POLE BOX PHASE CONNECTION				
		STREET LIGHT				
	10	STREET LIGHT CABLE				

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NOTES

ISSUED FOR CONSTRUCTION

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	REVISIONS						
NO.	DATE	CHECKED	DONE BY	DESCRIPTION			
А	23/07/15	ТМ	ТМ	ISSUED FOR INTERNAL REVIEW			
В	23/07/15	ТМ	ТМ	ISSUED FOR DETAILED DESIGN			
С	17/09/15	ТМ	MM	ISSUED FOR SQUAD CHECK			
D	03/10/15	GM	MM	ISSUED FOR CLIENT REVIEW			
Е	23/11/15	GM	MM	ISSUED FOR CLIENT APPROVAL			
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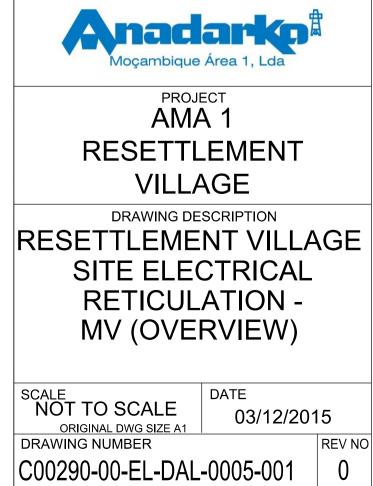
WorleyParsons

resources & energy

39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG
P.O. Box 61232, MARSHALLTOWN, 2107
TEL: +27 (0)11 218 3000
FAX: +27(0)11 218 3100
www.worleyparsons.com
WorleyParsons RSA (Pty) Ltd.

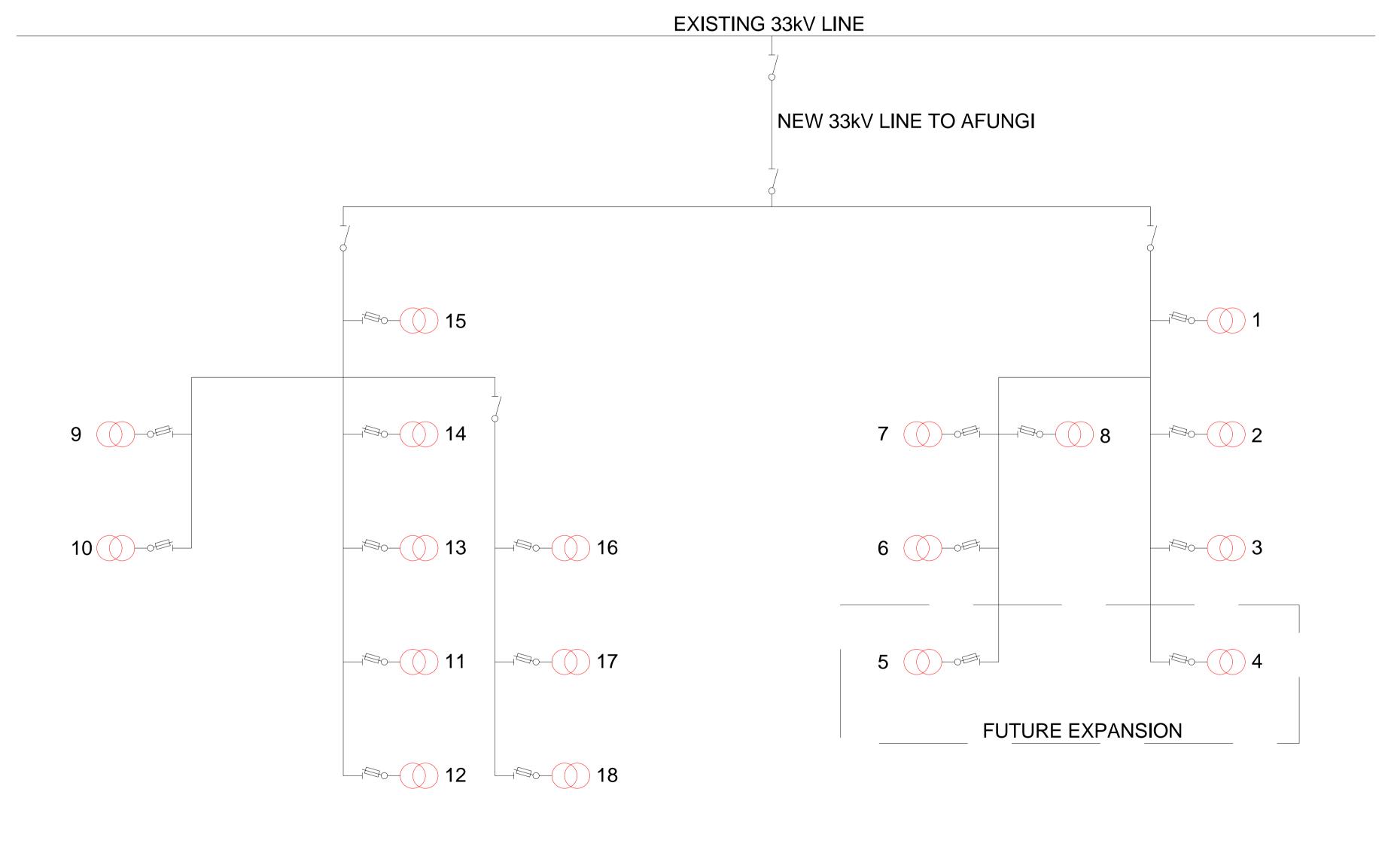
	NAME	SIGNATURE	DATE
DRAWN BY:	M Maritz	And y	30/09/2015
CHECKED :	T Meyer	Augu	30/09/2015
DESIGNER :	C Brandsen	Defe	30/09/2015
PR ENG :	J Pretorius	4th	30/09/2015
PROJECT ENG. MANAGER:	L Padayachee	July .	30/09/2015
LOCAL PR ENG :			
CLIENT:			





ANADARKO DRAWING NUMBER

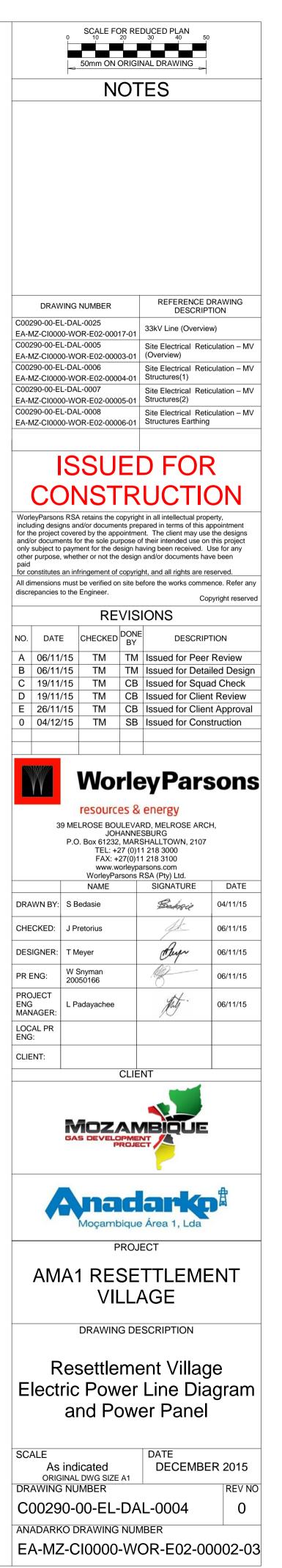
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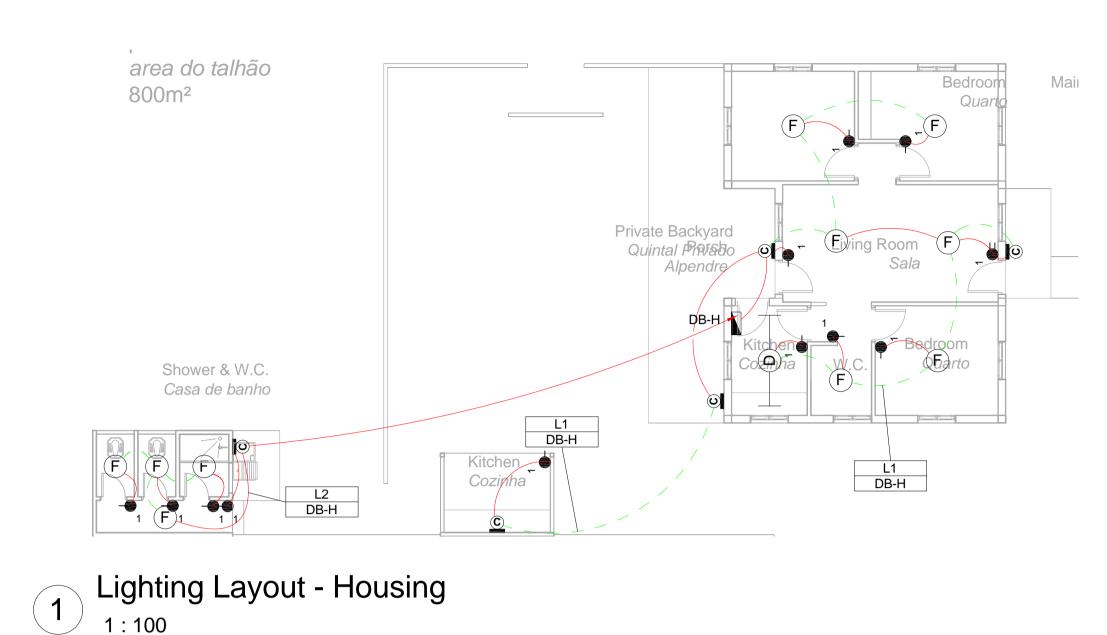


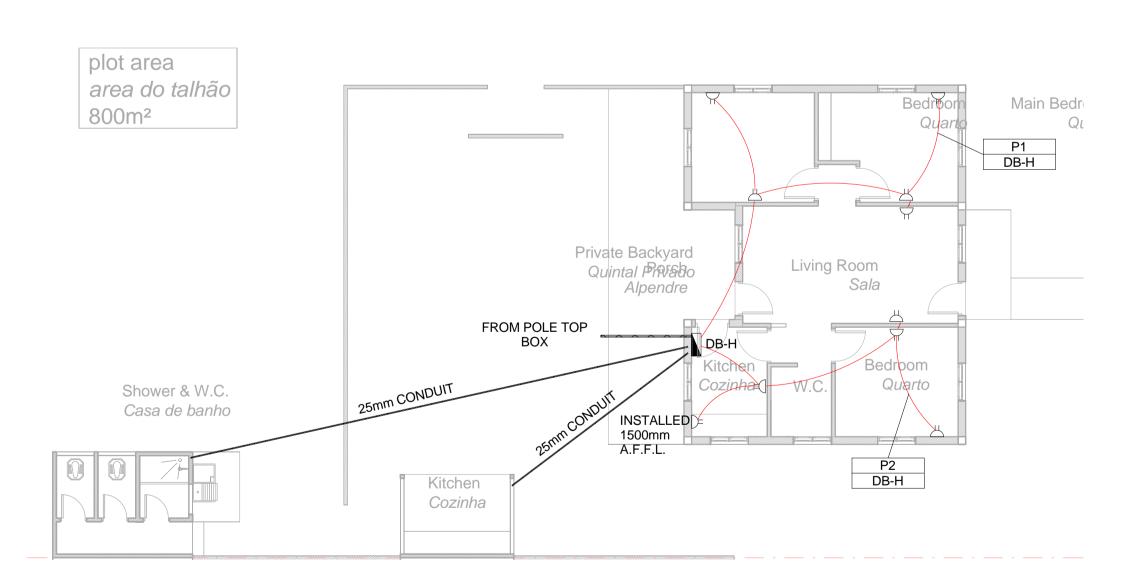


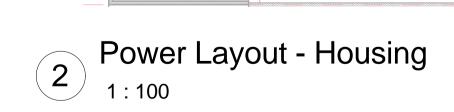
33kV NETWORK DIAGRAM

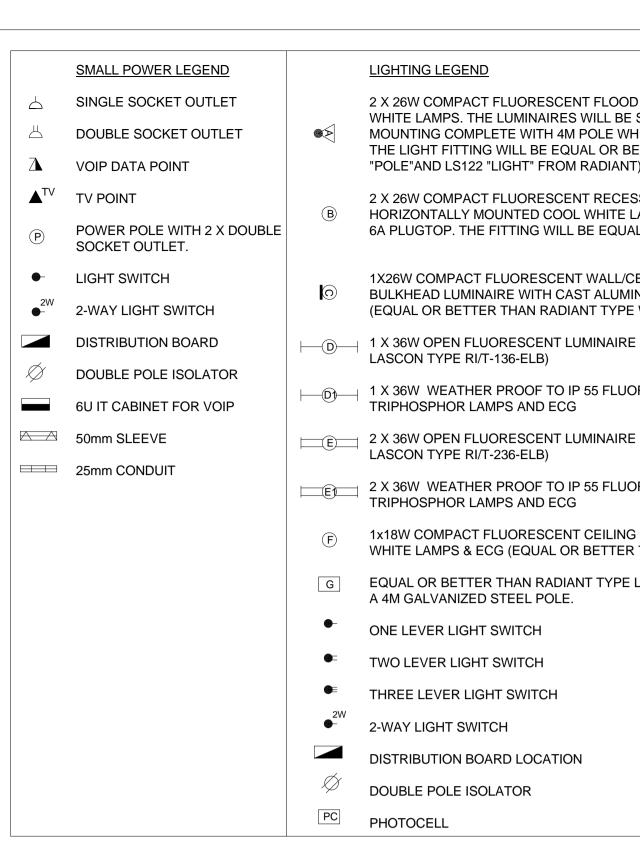
	LEGEND
SYMBOL	DESCRIPTION
\bigcirc	33kV/400V 250kVA TRANSFORMER
1	MANUAL ISOLATOR
	6A FUSE ISOLATOR







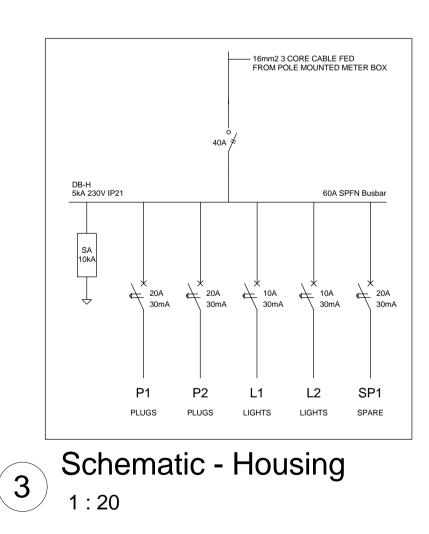




CONDUCTOR LEGEND

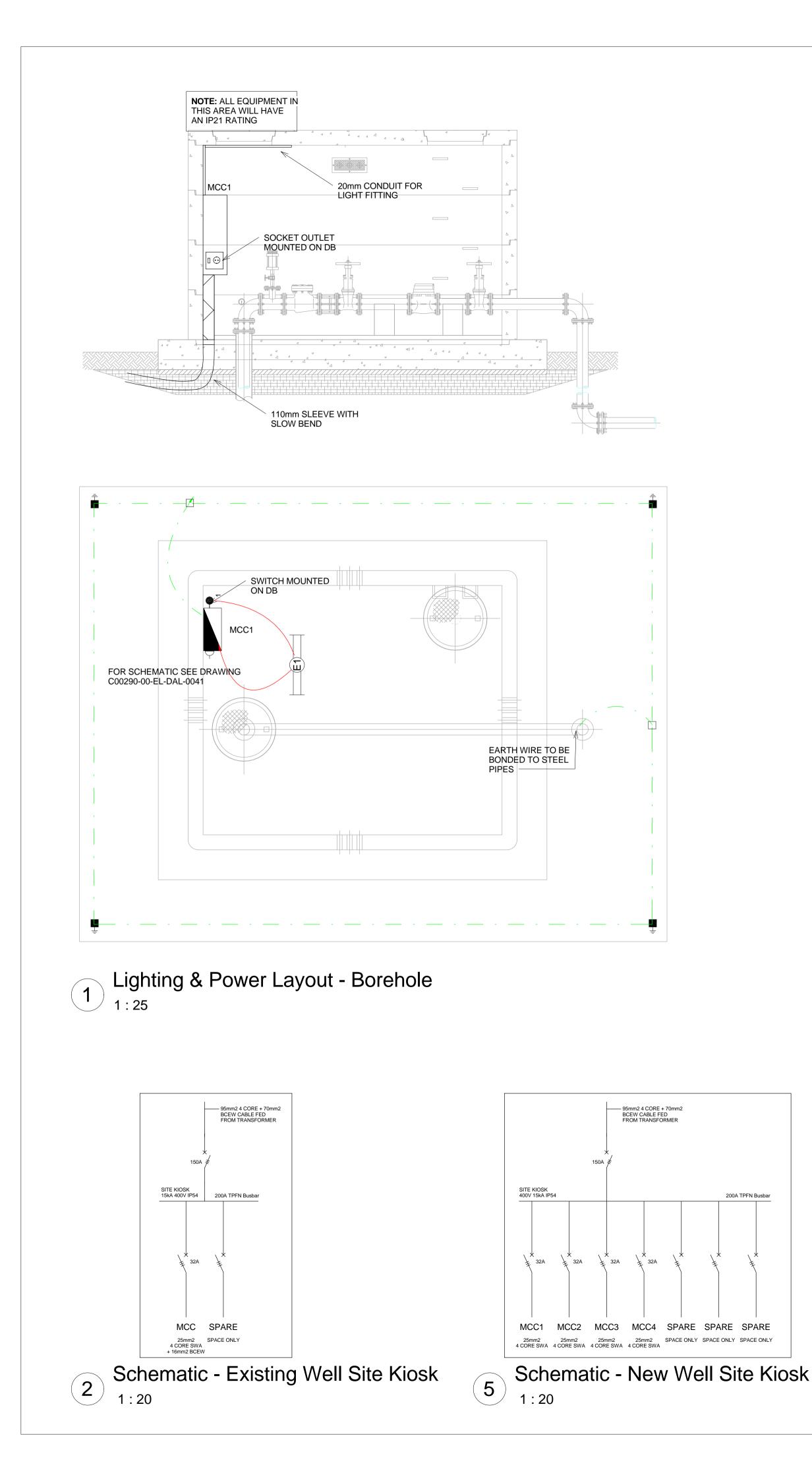
- 1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
- 2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
- 3. 6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
- 4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH 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

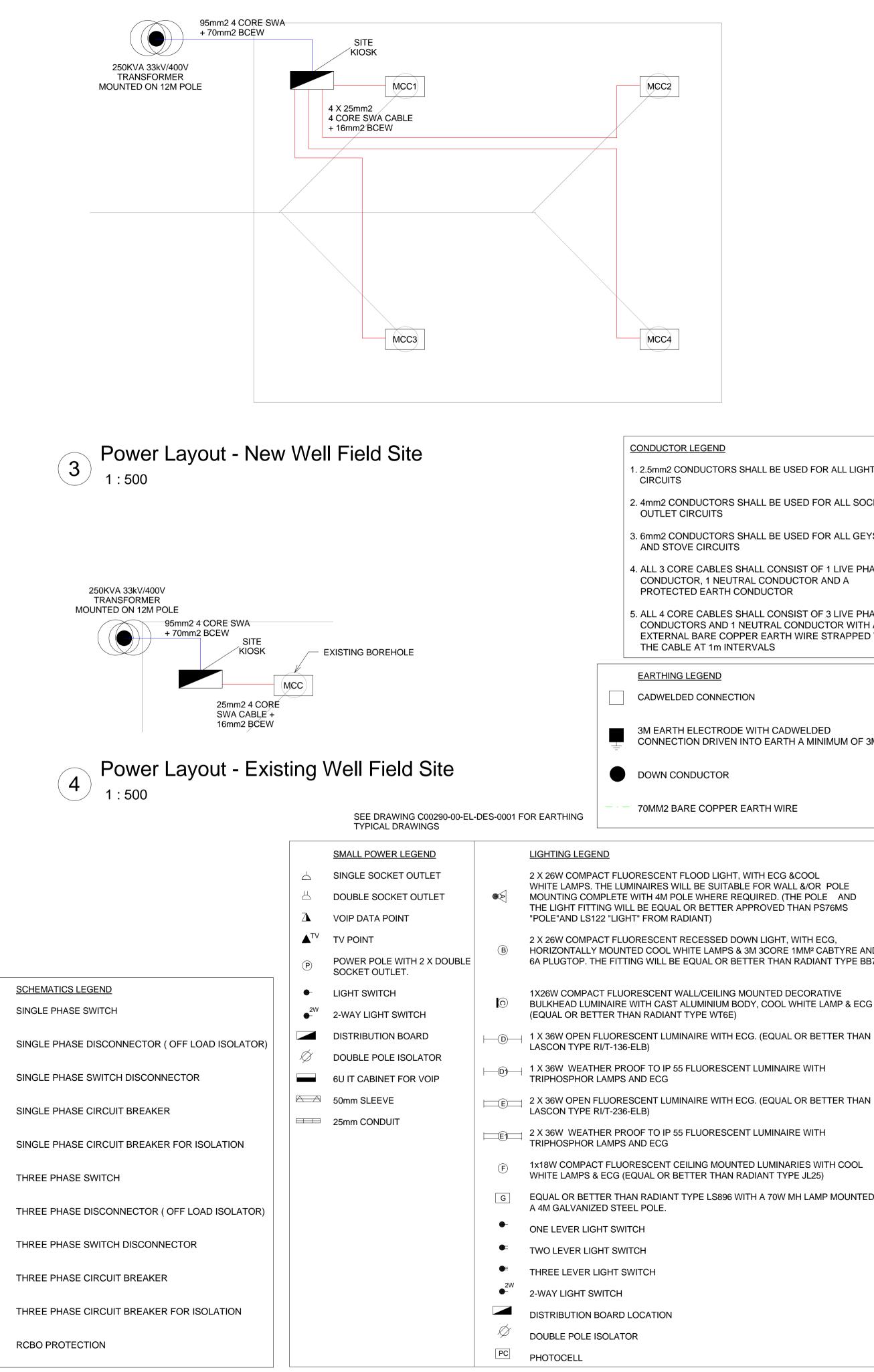
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D LIGHT, WITH ECG &COOL SUITABLE FOR WALL &/OR POLE	NOTES						
HERE REQUIRED. (THE POLE AND ETTER APPROVED THAN PS76MS ()	1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.						
SSED DOWN LIGHT, WITH ECG, AMPS & 3M 3CORE 1MM² CABTYRE AND L OR BETTER THAN RADIANT TYPE BB74							
EILING MOUNTED DECORATIVE NIUM BODY, COOL WHITE LAMP & ECG WT6E)							
WITH ECG. (EQUAL OR BETTER THAN							
DRESCENT LUMINAIRE WITH							
WITH ECG. (EQUAL OR BETTER THAN	C00290-00-E EA-MZ-C1000	L-DA)0-W(DR-E02-000	07-01	REFERENCE DESCRII Site Electrical Re (Overview)	PTION	
DRESCENT LUMINAIRE WITH	C00290-00-E EA-MZ-CI000			27-02	Typical Drawings	Sheet 2	
6 MOUNTED LUMINARIES WITH COOL THAN RADIANT TYPE JL25)							
LS896 WITH A 70W MH LAMP MOUNTED ON							
	WorleyParsor including desi for the project and/or docum only subject to other purpose paid for constitutes	s RSA gns ar cover ents fo paym , whet an int	A retains the c nd/or docume red by the app or the sole pu ment for the de ther or not the fringement of the verified or Engineer.	copyrigh nts prep pointmer rpose of esign ha design copyrig n site be	t in all intellectual provared in terms of this of their intended use of ving been received. and/or documents h ht, and all rights are efore the works comm	ODN appointment se the designs on this project Use for any ave been reserved.	
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CIRCUIT BREAKER FOR ISOLATION			resourc				
SWITCH			JOF 0. Box 61232 TEL: +2 FAX: + www.w	ANNE , MARS 27 (0)1 27(0)1 orleypa	RD, MELROSE AR SBURG SHALLTOWN, 2107 1 218 3000 1 218 3100 Irsons.com	- ,	
DISCONNECTOR (OFF LOAD ISOLATOR)			NAME		RSA (Pty) Ltd. SIGNATURE	DATE	
SWITCH DISCONNECTOR	CHECKED:		edasie leyer		Bedosie Ausr	28/09/15	
CIRCUIT BREAKER	DESIGNER:		Brandsen		Bala	28/09/15	
	PR ENG:	W 8 200	Snyman 050166		NG-	02/10/15	
CIRCUIT BREAKER FOR ISOLATION	PROJECT ENG MANAGER:	LP	adayachee		July .	02/10/15	
TION	LOCAL PR ENG:						
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NOTE-		BINAL B NU			DATE DECEMB L-0002	ER 2015 REV NO 0	
<u>NOTE</u> : SEE DRAWING C00290-00-EL-DAL-0009, FOR OVERVIEW	ANADARI EA-MZ				^{IBER} DR-E02-0	0002-01	

SCALE FOR REDUCED PLAN







3. A MINIMUM OF TWO 70mm2 BONDING CONDUCTOR CONNECTIONS SHALL BE MADE TO ADJACENT AREA STRUCTURE EARTHING LOOPS

SCALE FOR REDUCED PLAN

4. ALL CABLES TO BE BURRIED AT A MINIMUM DEPTH OF 600mm.

DRAWING NUMBER

DRAWING NUMBER	DESCRIPTION
C00290-00-EL-DAL-0005	Site Electrical Reticulation – MV
EA-MZ-CI0000-WOR-E02-00003-01	(Overview)
C00290-00-EL-DAL-0041	Wall Field Central System
EA-MZ-CI0000-WOR-E02-00025-01	Well Field Control System
C00290-00-EL-DES-0001-001	Typical Drawings Sheet 1
EA-MZ-CI0000-WOR-E02-00027-01	Typical Drawings Sheet 1
C00290-00-EL-DES-0001-002	Typical Drawings Shoot 2
EA-MZ-CI0000-WOR-E02-00027-02	Typical Drawings Sheet 2

REFERENCE DRAWING

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NO.	DATE	CHECKED	DONE BY	DESCRIPTION			
Α	28/09/15	ТМ	SB	Issued for Peer Review			
В	28/09/15	ТМ	SB	Issued for Detailed Design			
С	14/10/15	ТМ	SB	Issued for Squad Check			
D	16/10/15	TM	CB	Issued for Client Review			
Е	17/11/15	ТМ	CB	Issued for Client Approval			
0	04/12/15	ТМ	SB	Issued for Construction			

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WorleyParsons RSA (Pty) Ltd.					
	NAME	SIGNATURE	DATE		
DRAWN BY:	C Brandsen	Dete	31/07/15		
CHECKED:	T Meyer	Aug	02/10/15		
DESIGNER:	C Brandsen	Dela	02/10/15		
PR ENG:	W Snyman 20050166	18-	02/10/15		
PROJECT ENG MANAGER:	L Padayachee	July .	02/10/15		
LOCAL PR ENG:					



CLIENT

CLIENT:



AMA1 RESETTLEMENT VILLAGE

DRAWING DESCRIPTION

Resettlement Village Well Field Power Installation

SCALE	DATE	
As indicated	DECEMBER	2015
ORIGINAL DWG SIZE A1		
DRAWING NUMBER	·	REV NO
C00290-00-EL-DAL-0040		0
ANADARKO DRAWING NUM	BER	
EA-MZ-CI0000-WC	DR-E02-000	01-01

1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING

2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET

3. 6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER

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

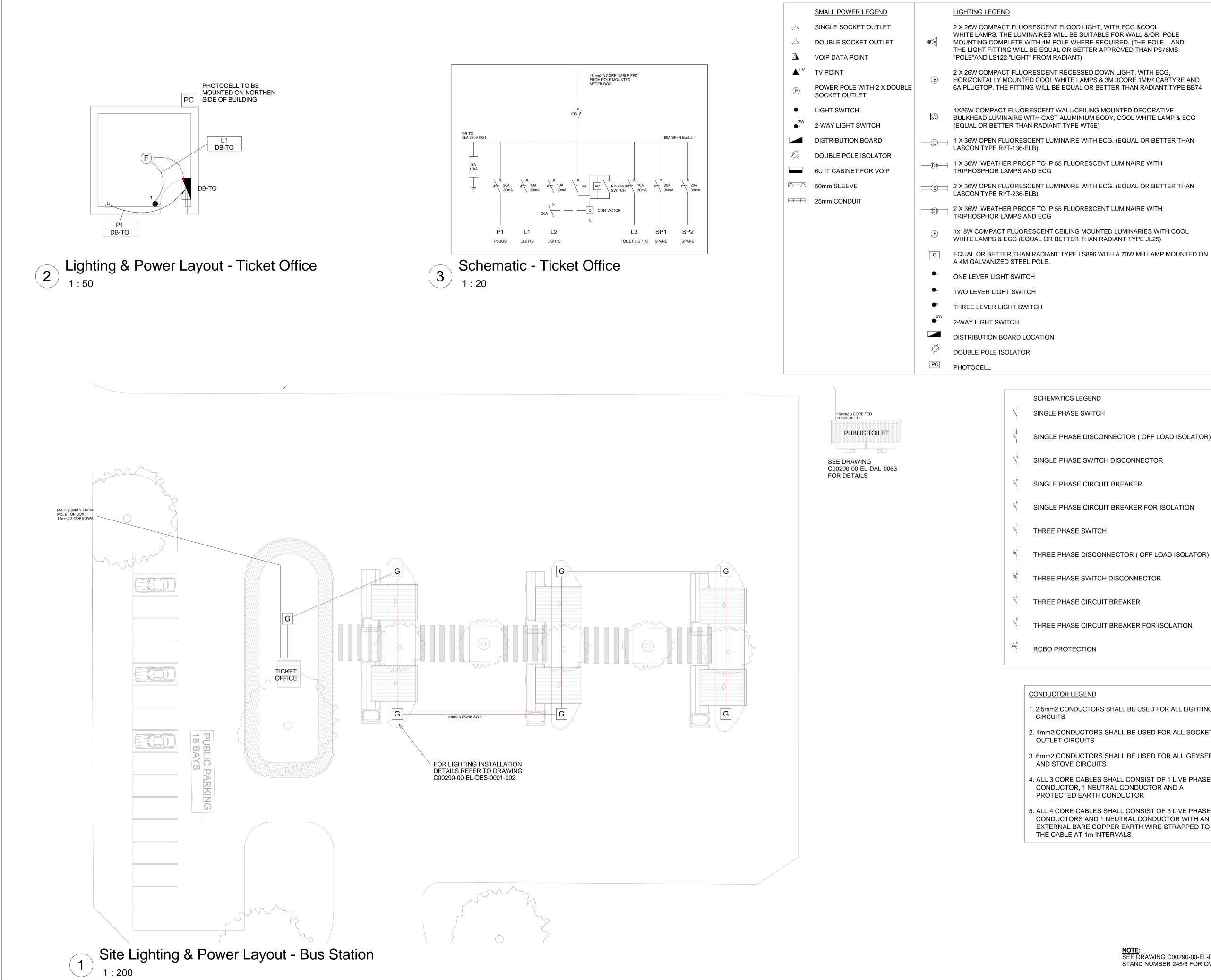
3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M

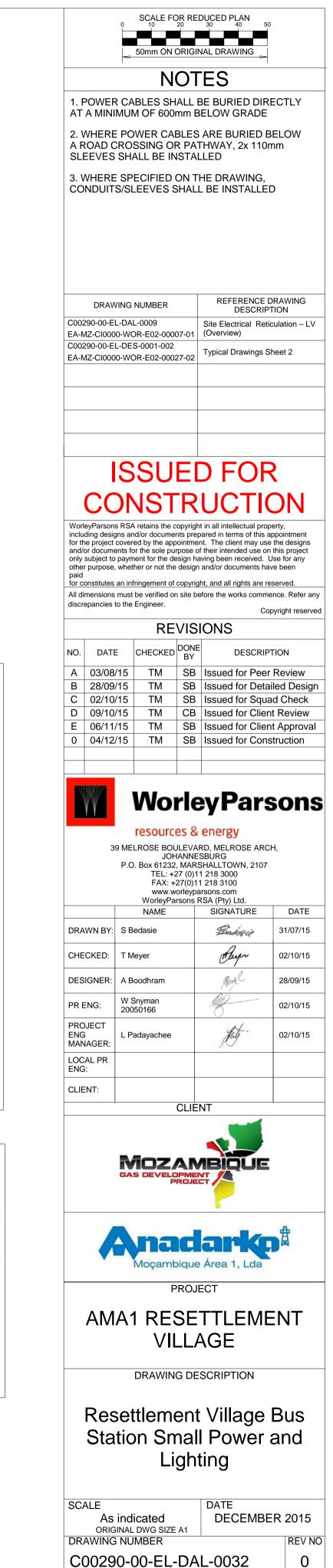
70MM2 BARE COPPER EARTH WIRE

HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74

BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG

EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON



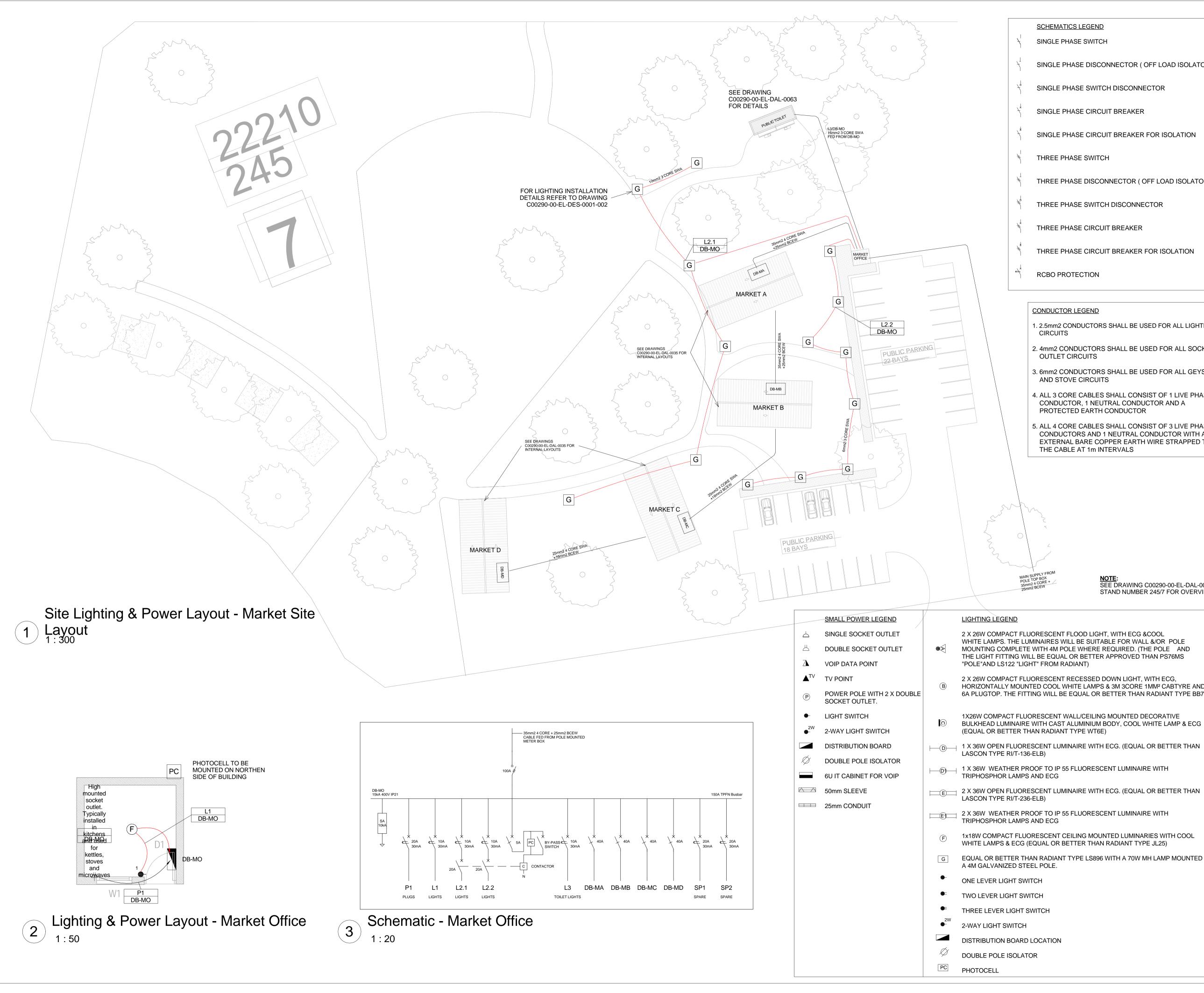


ANADARKO DRAWING NUMBER

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

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

- SINGLE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)
- SINGLE PHASE SWITCH DISCONNECTOR
- SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION
- THREE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)
- THREE PHASE SWITCH DISCONNECTOR
- THREE PHASE CIRCUIT BREAKER FOR ISOLATION
- 1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING
- 2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET
- 3. 6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER
- 4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A
- 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



SINGLE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)

SINGLE PHASE SWITCH DISCONNECTOR

SINGLE PHASE CIRCUIT BREAKER

SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION

THREE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)

THREE PHASE SWITCH DISCONNECTOR

THREE PHASE CIRCUIT BREAKER

THREE PHASE CIRCUIT BREAKER FOR ISOLATION

1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING

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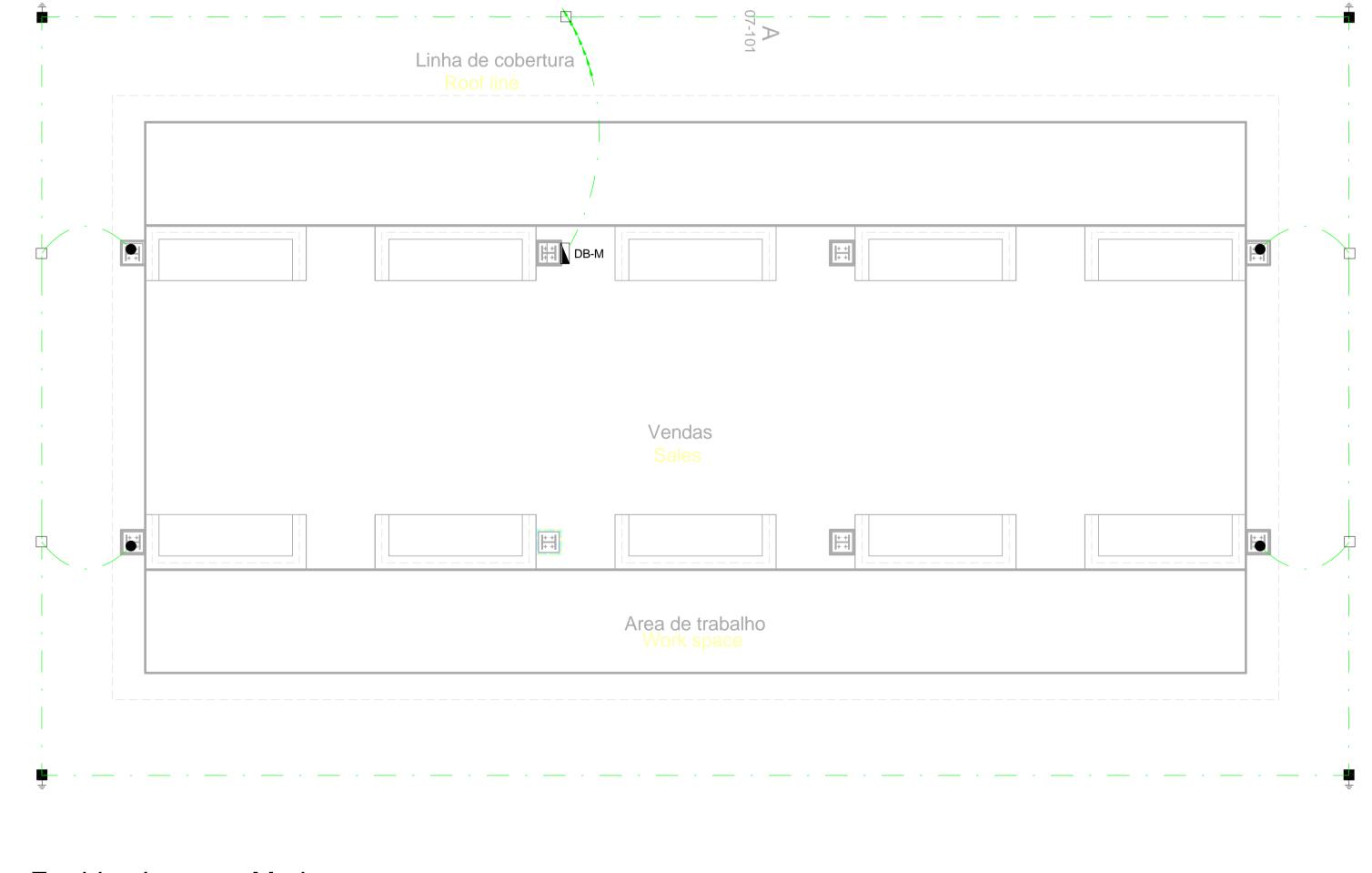
HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74

BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG

1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINARIES WITH COOL

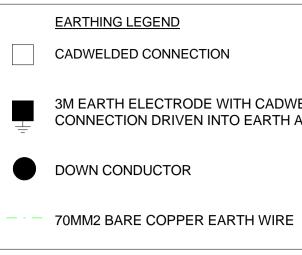
EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON

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1 Earthing Layout - Market



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

SC	CALE F	OR RED	UCED F	PLAN	
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50mm ON ORIGINAL DRAWING

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

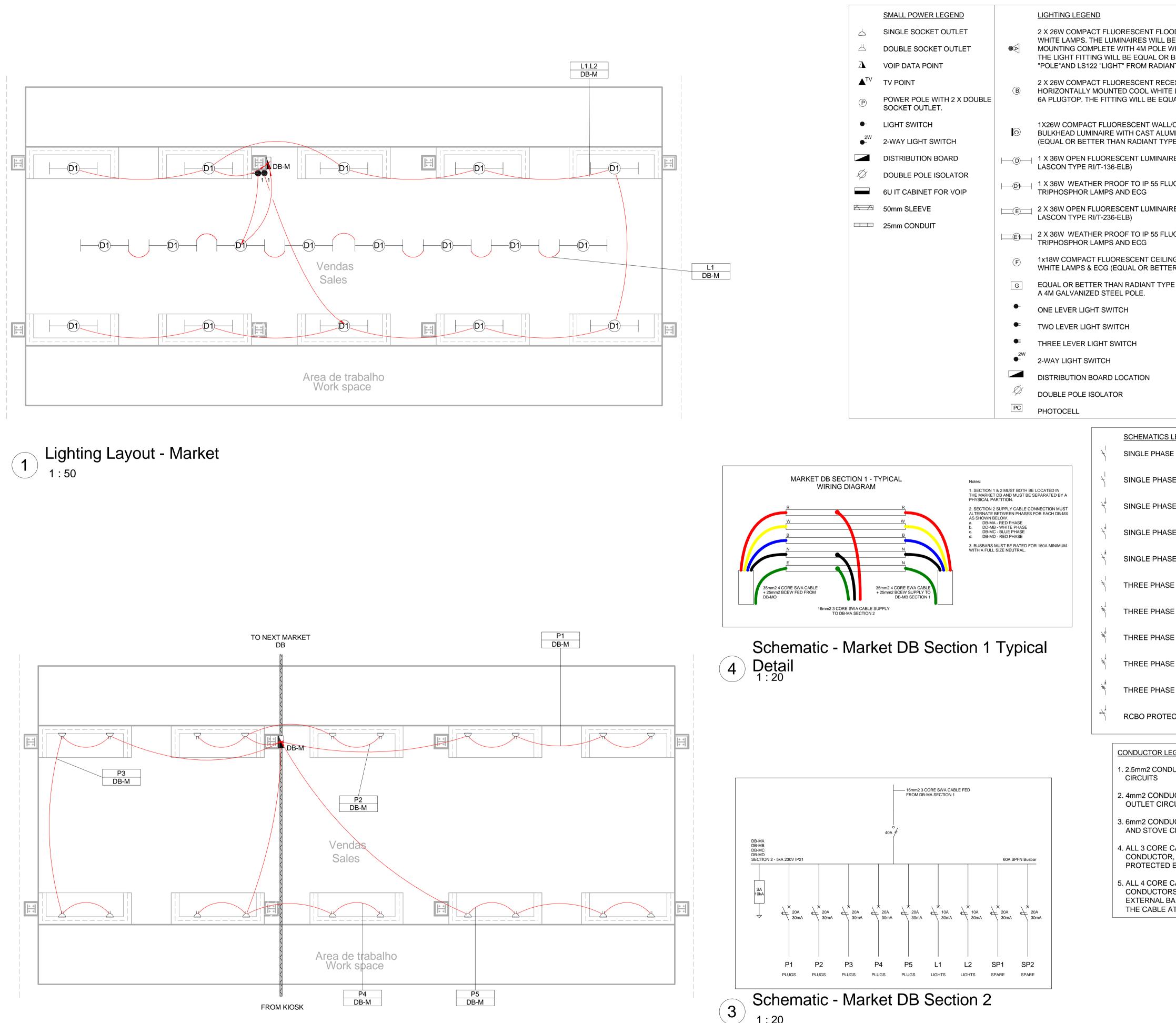
3. LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED BY A CERTIFIED LIGHTNING PROTECTION COMPANY

PROTECTION SYSTEMS

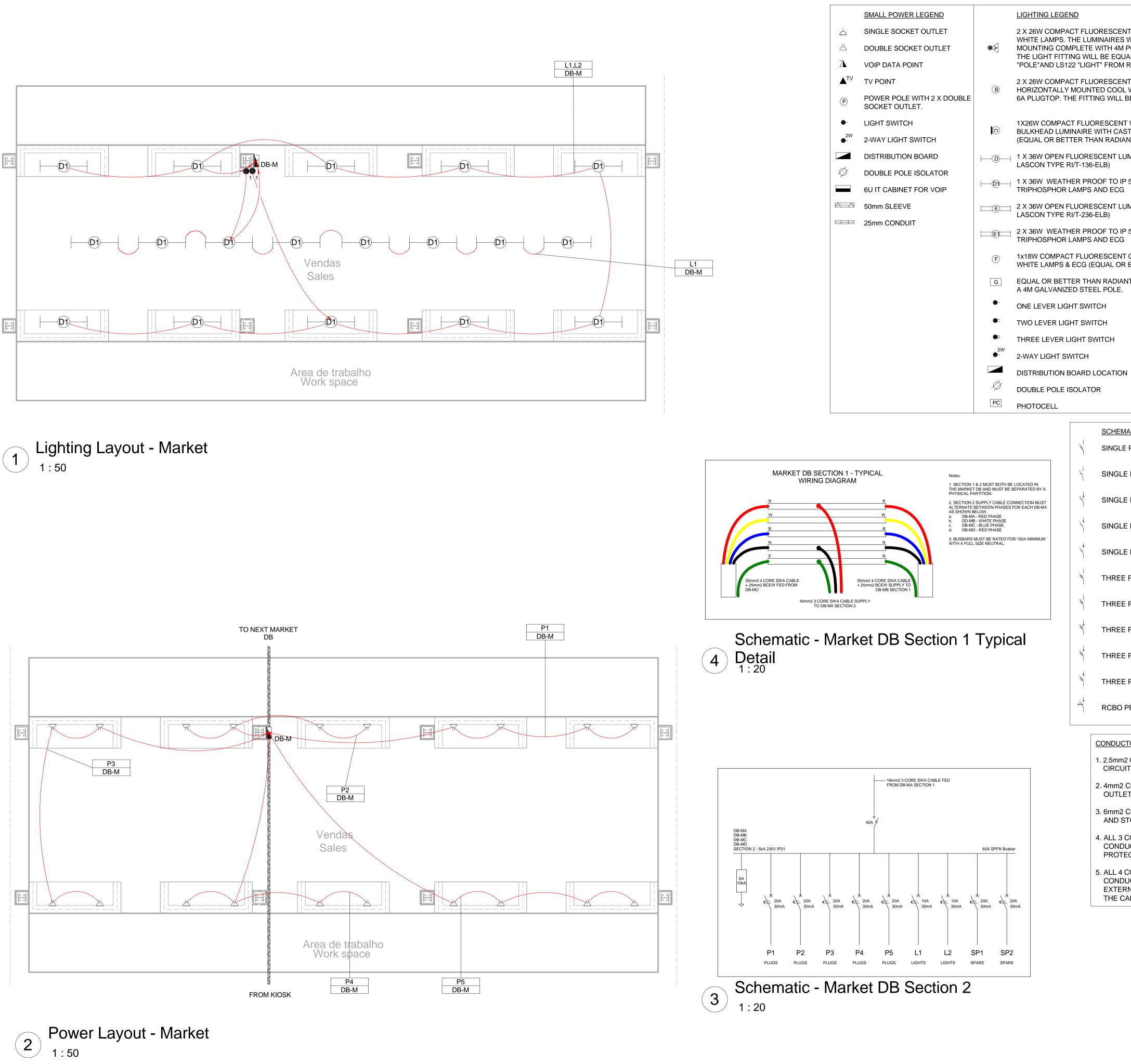
3M EARTH ELECTRODE WITH CADWELDED \pm CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M

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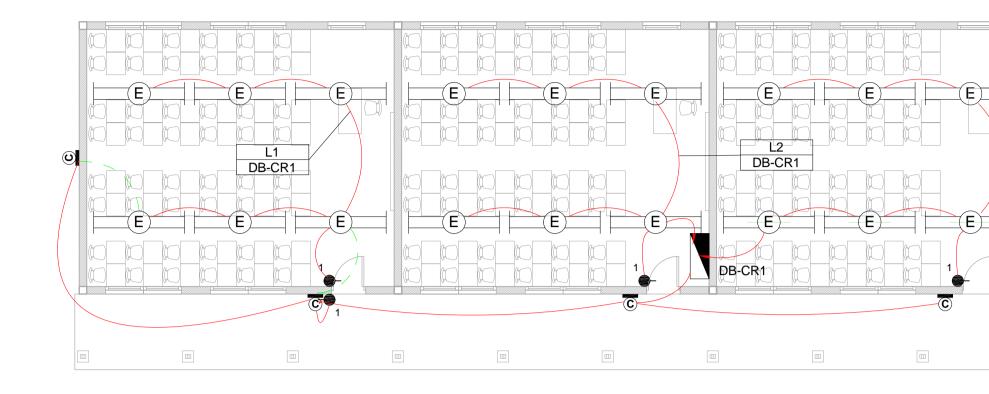
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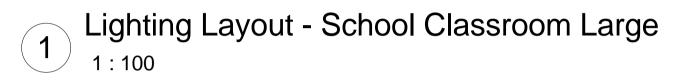


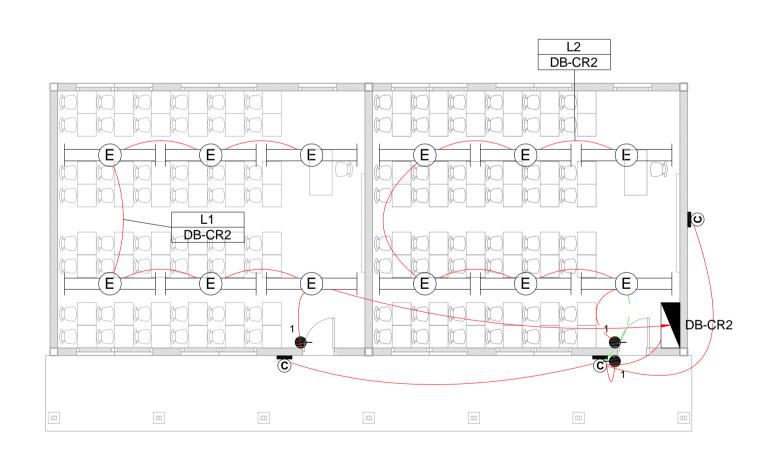




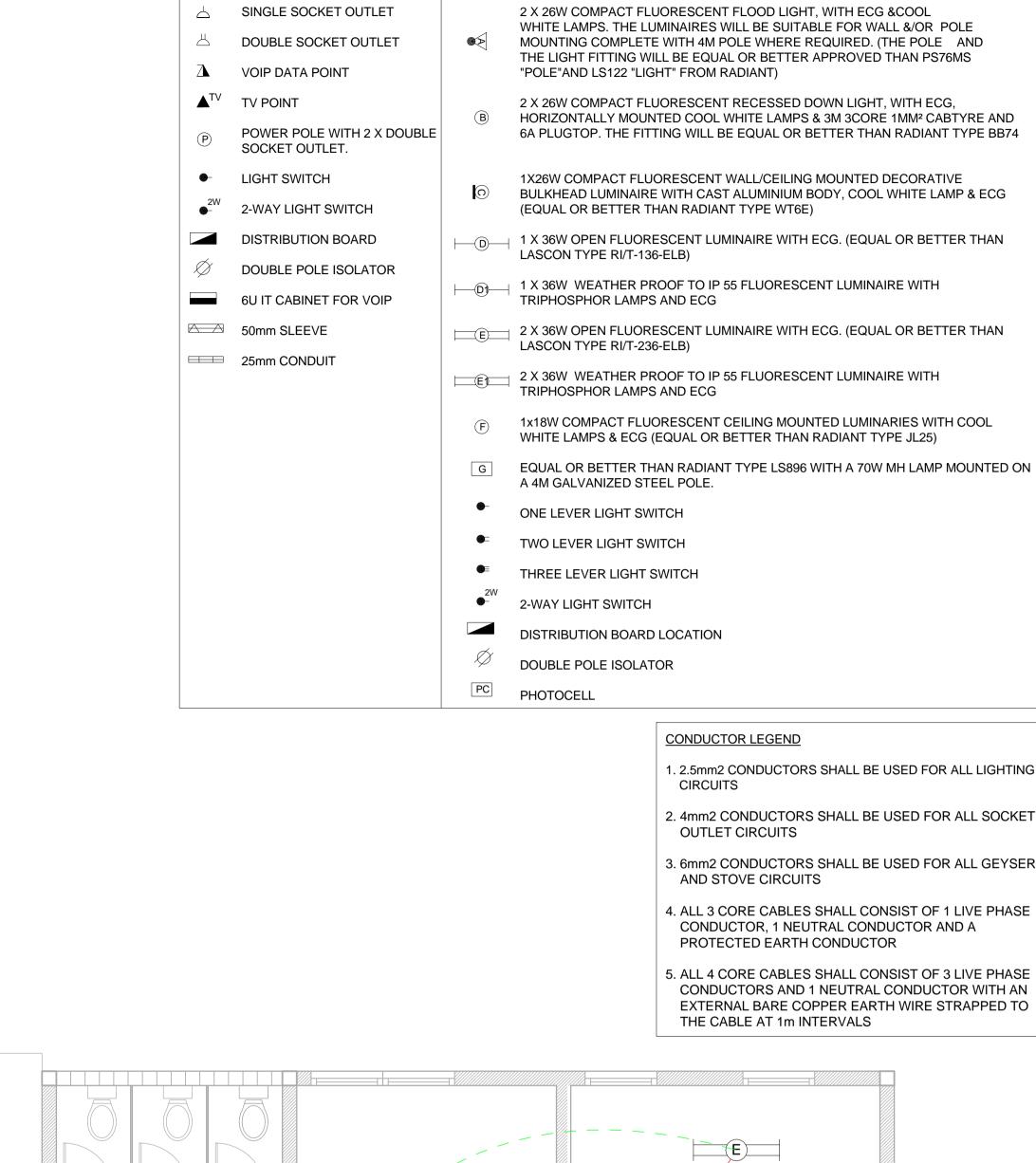
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E LS896 WITH A 70W MH LAMP MOUNTED ON						
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E DISCONNECTOR (OFF LOAD ISOLATOR)	D 09/10 E 26/11 0 04/12	1/15	TM TM TM	CB CB SB	Issued for Clie Issued for Clie Issued for Cor	nt Approval
E SWITCH DISCONNECTOR		2/13		30		
E CIRCUIT BREAKER			No	rle	y Par	sons
E CIRCUIT BREAKER FOR ISOLATION					energy	
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E DISCONNECTOR (OFF LOAD ISOLATOR)			FAX: +: www.w WorleyPa	27(0)11 orleypa	218 3100 rsons.com SA (Pty) Ltd.	
E SWITCH DISCONNECTOR	DRAWN BY:	: S Bed	NAME dasie		SIGNATURE Belosie	DATE 31/07/15
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E CIRCUIT BREAKER	DESIGNER:	W Sn	W Snyman		Data-	28/09/15
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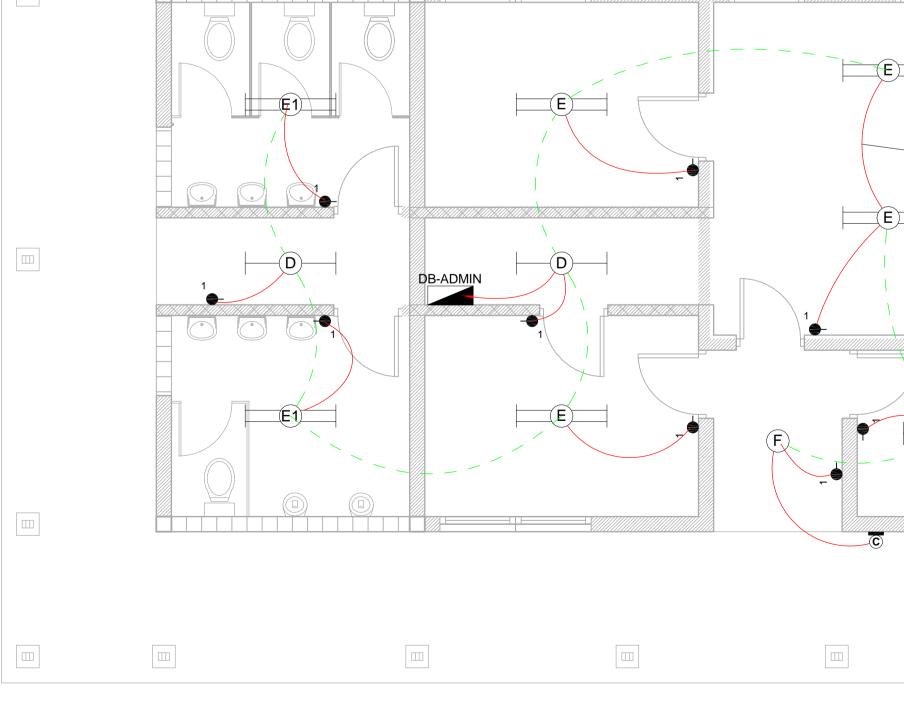


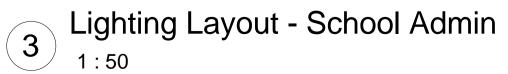
2 Lighting Layout - School Classroom Small



SMALL POWER LEGEND

LIGHTING LEGEND





L3 DB-CR1

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1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING

2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET

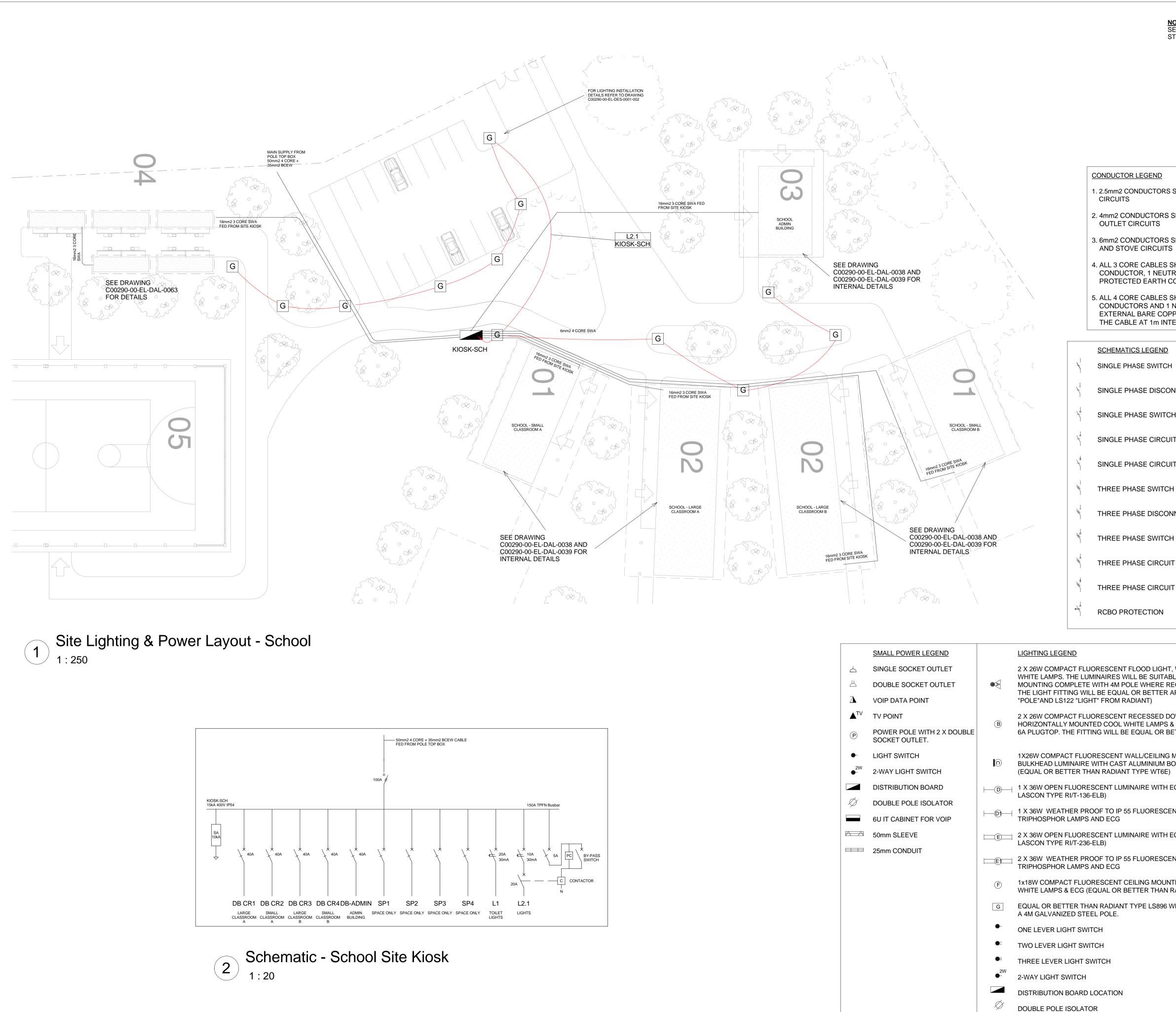
3. 6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER

4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A

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

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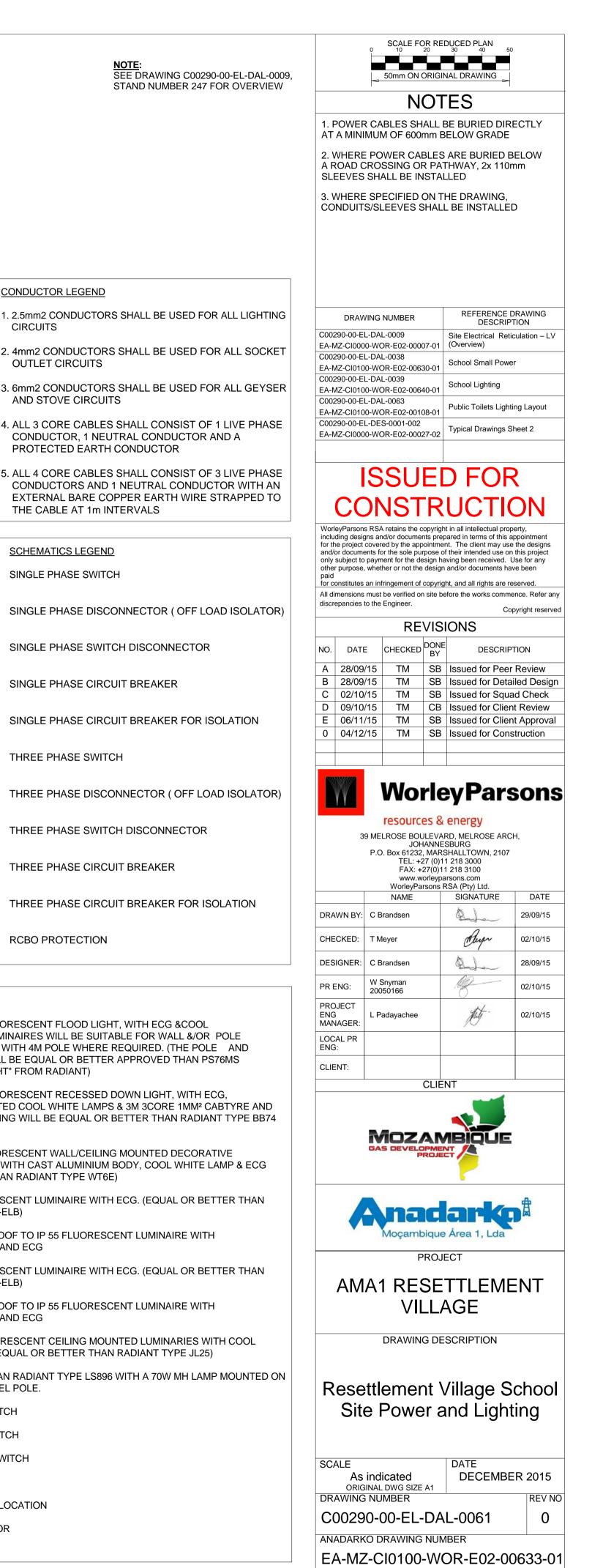
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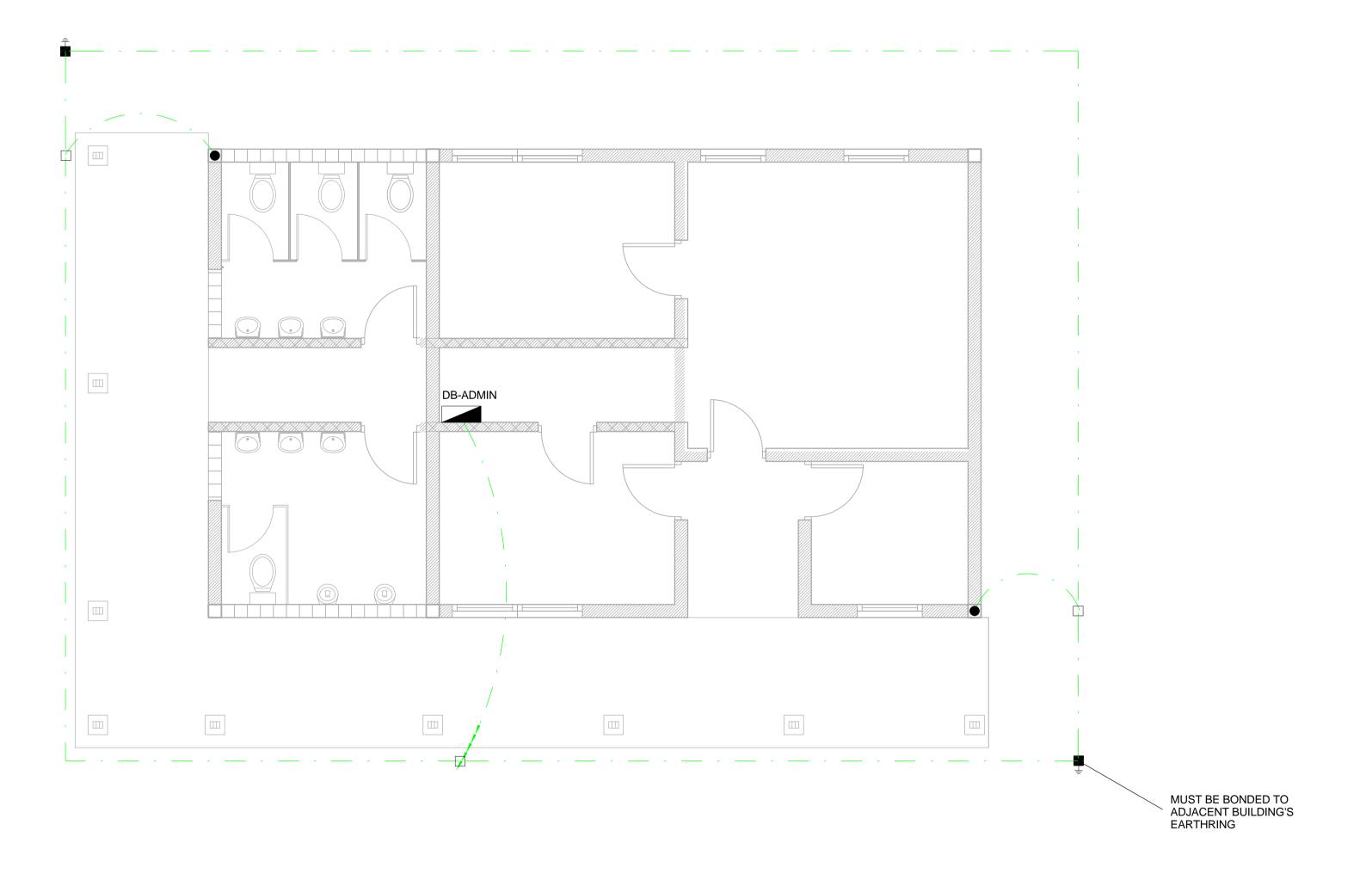


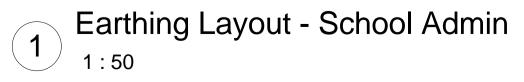
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	50mm SLEEVE	E	2 X 36W OPEN F LASCON TYPE F
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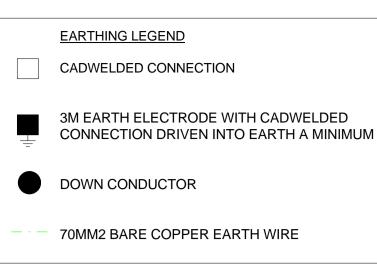
	2 X 26W COMPACT FLUORESCENT FLOOD LI WHITE LAMPS. THE LUMINAIRES WILL BE SU MOUNTING COMPLETE WITH 4M POLE WHEF THE LIGHT FITTING WILL BE EQUAL OR BETT "POLE"AND LS122 "LIGHT" FROM RADIANT)
3)	2 X 26W COMPACT FLUORESCENT RECESSE HORIZONTALLY MOUNTED COOL WHITE LAM 6A PLUGTOP. THE FITTING WILL BE EQUAL C
	1X26W COMPACT FLUORESCENT WALL/CEIL BULKHEAD LUMINAIRE WITH CAST ALUMINIL (EQUAL OR BETTER THAN RADIANT TYPE W
	1 X 36W OPEN FLUORESCENT LUMINAIRE W LASCON TYPE RI/T-136-ELB)
	1 X 36W WEATHER PROOF TO IP 55 FLUORE TRIPHOSPHOR LAMPS AND ECG
	2 X 36W OPEN FLUORESCENT LUMINAIRE W LASCON TYPE RI/T-236-ELB)
	2 X 36W WEATHER PROOF TO IP 55 FLUORE TRIPHOSPHOR LAMPS AND ECG
Ð	1x18W COMPACT FLUORESCENT CEILING M WHITE LAMPS & ECG (EQUAL OR BETTER TH
3	EQUAL OR BETTER THAN RADIANT TYPE LS8 A 4M GALVANIZED STEEL POLE.
-	ONE LEVER LIGHT SWITCH
E	TWO LEVER LIGHT SWITCH
E	THREE LEVER LIGHT SWITCH
2W -	2-WAY LIGHT SWITCH
	DISTRIBUTION BOARD LOCATION

PHOTOCELL









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

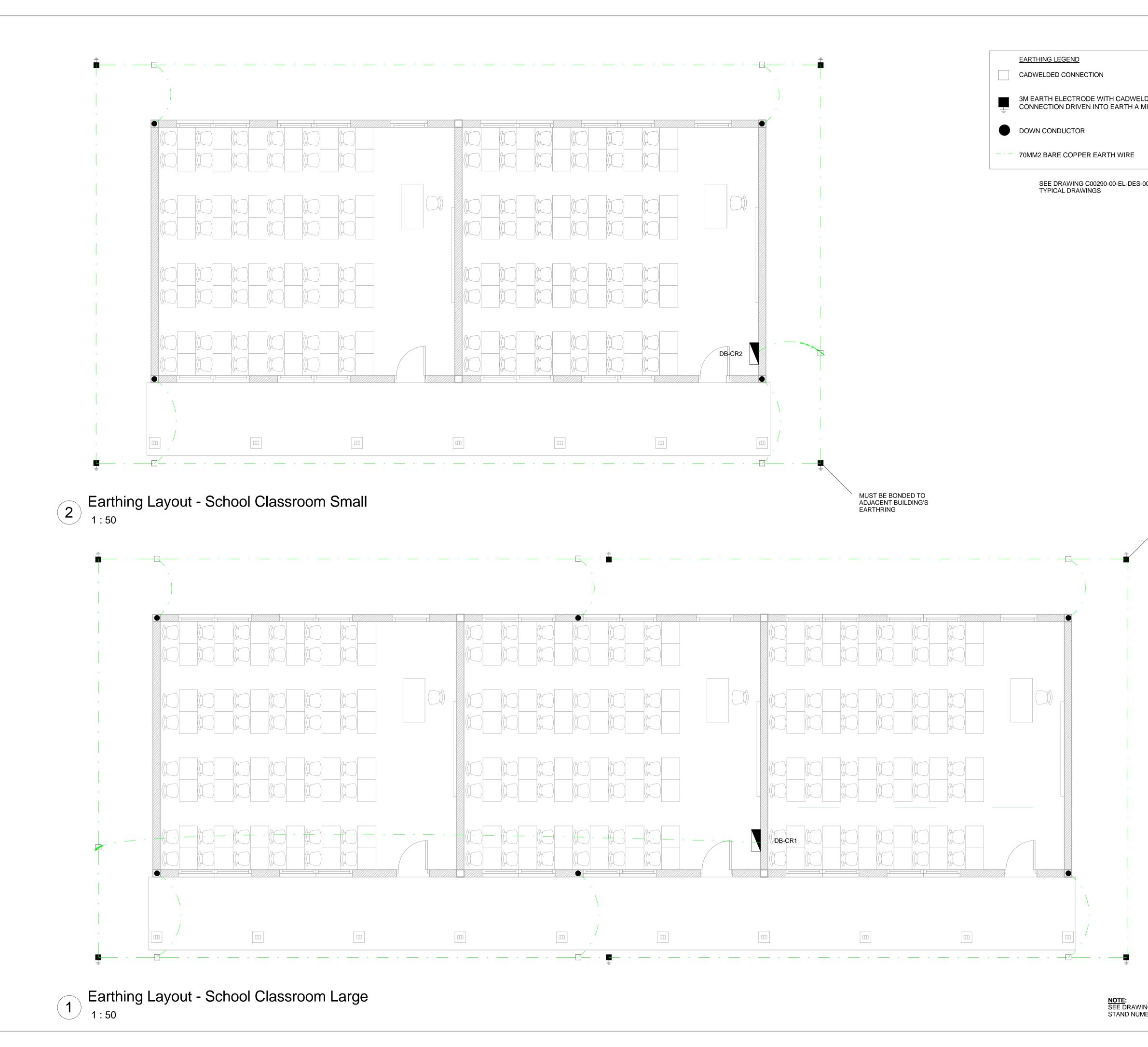
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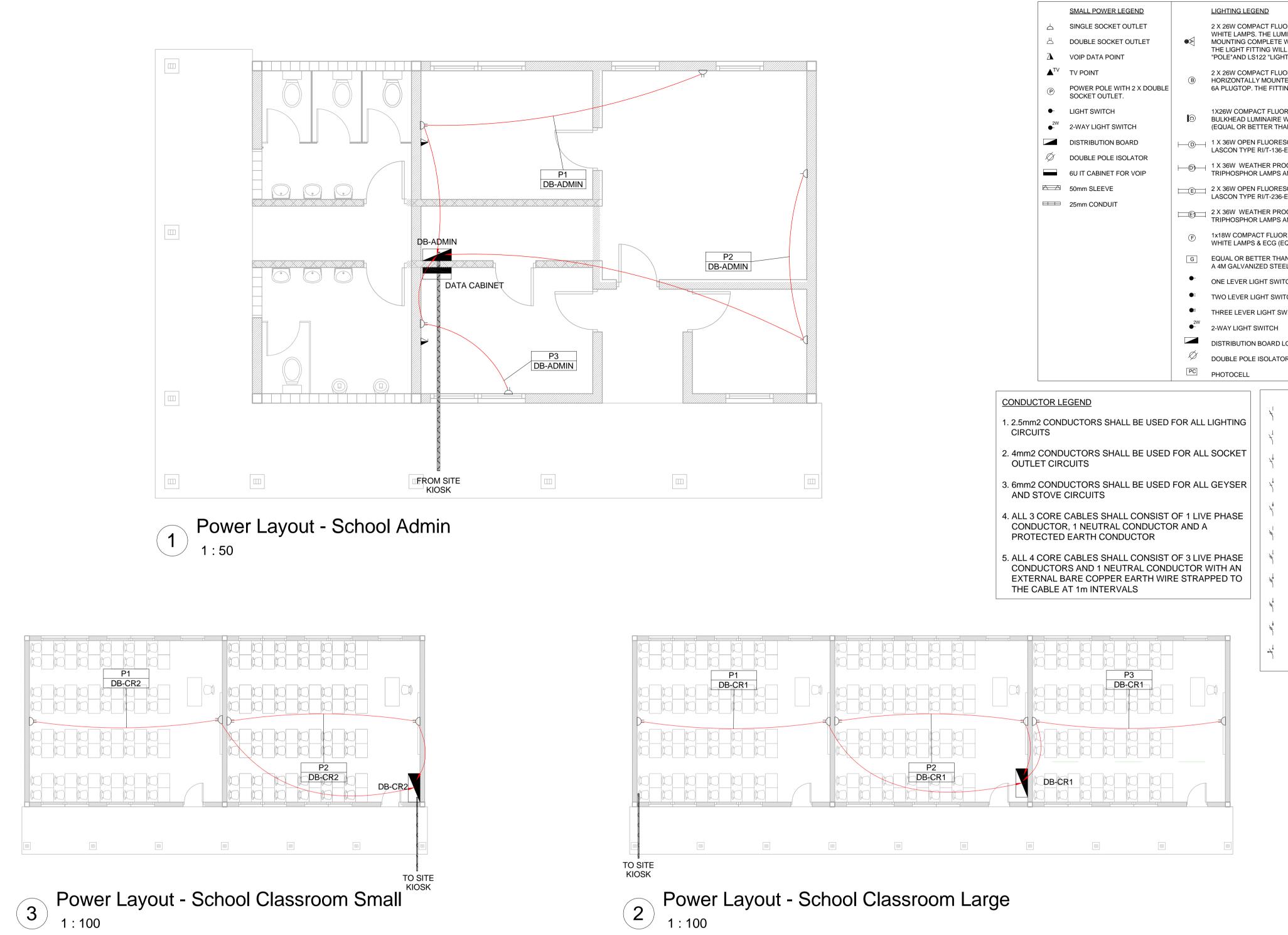


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ED VIMUM OF 3M	NOTES 1. EARTH RING CONDUCTOR MUST BE INSTALLED A MINIMUM OF 1.5M FROM THE NEAREST WALL AND BURIED AT A MINIMUM DEPTH OF 500mm 2. LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE CERTIFIED FOR USE IN LIGHTNING						
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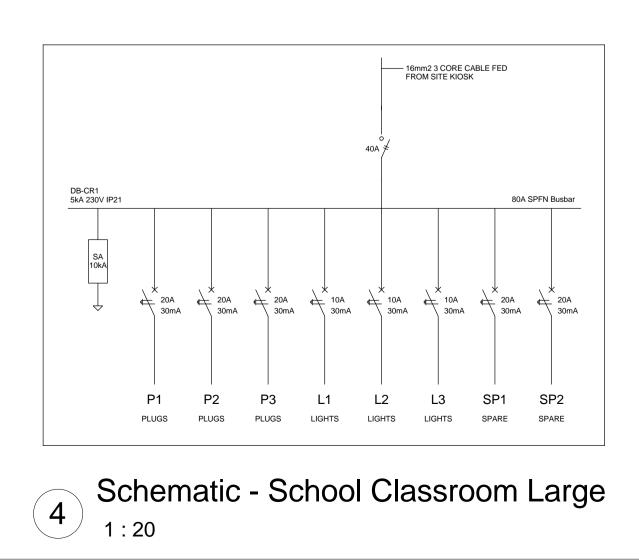
<u>NOTE</u>: SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 247 FOR OVERVIEW

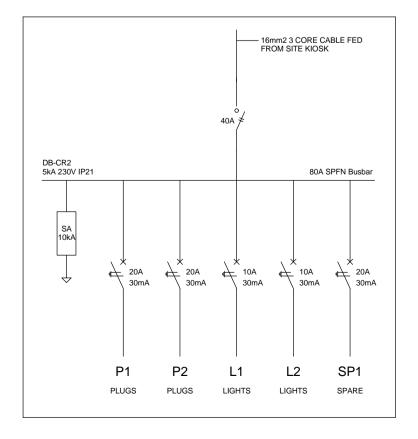
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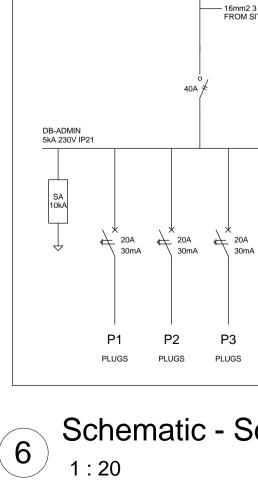
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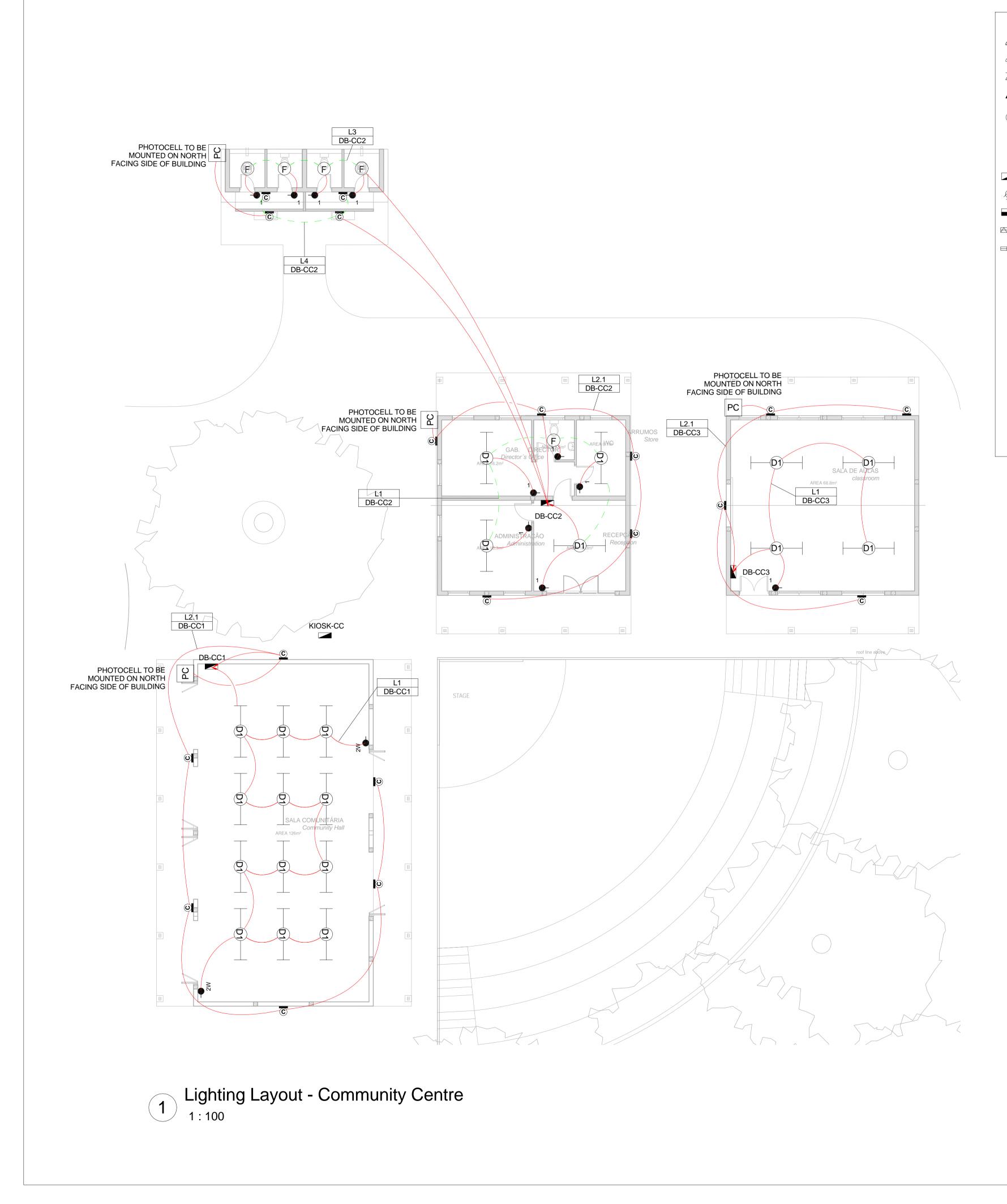


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DRESCENT FLOOD LIGHT, WITH ECG &COOL IINAIRES WILL BE SUITABLE FOR WALL &/OR POLE	50mm ON ORIGINAL DRAWING						
WITH 4M POLE WHERE REQUIRED. (THE POLE AND BE EQUAL OR BETTER APPROVED THAN PS76MS T" FROM RADIANT)	NOTES						
DRESCENT RECESSED DOWN LIGHT, WITH ECG, ED COOL WHITE LAMPS & 3M 3CORE 1MM ² CABTYRE AND NG WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74	1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL						
RESCENT WALL/CEILING MOUNTED DECORATIVE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG							
IN RADIANT TYPE WT6E)							
ELB)							
OF TO IP 55 FLUORESCENT LUMINAIRE WITH ND ECG							
CENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN ELB)							
OF TO IP 55 FLUORESCENT LUMINAIRE WITH ND ECG							
ESCENT CEILING MOUNTED LUMINARIES WITH COOL QUAL OR BETTER THAN RADIANT TYPE JL25)	DRAV	VING NUMBER	RE	FERENCE DESCRIF			
N RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON L POLE.		00-WOR-E02-006	533-01	I Site Power	and Lighting		
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$ \bigtriangleup $	SINGLE SOCKET OUTLET		2 X 26W COMPACT FLUORESCENT FLOOD LIGHT, WITH ECO
Щ	DOUBLE SOCKET OUTLET		WHITE LAMPS. THE LUMINAIRES WILL BE SUITABLE FOR W MOUNTING COMPLETE WITH 4M POLE WHERE REQUIRED.
Δ	VOIP DATA POINT		THE LIGHT FITTING WILL BE EQUAL OR BETTER APPROVED "POLE"AND LS122 "LIGHT" FROM RADIANT)
▲ ^{TV}	TV POINT	В	2 X 26W COMPACT FLUORESCENT RECESSED DOWN LIGH
P	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.	В	HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3COR 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THA
•-	LIGHT SWITCH	O	1X26W COMPACT FLUORESCENT WALL/CEILING MOUNTED
2W	2-WAY LIGHT SWITCH		BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COO (EQUAL OR BETTER THAN RADIANT TYPE WT6E)
	DISTRIBUTION BOARD		1 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQU LASCON TYPE RI/T-136-ELB)
Ø	DOUBLE POLE ISOLATOR		,
	6U IT CABINET FOR VOIP		1 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMIN/ TRIPHOSPHOR LAMPS AND ECG
	50mm SLEEVE	E	2 X 36W OPEN FLUORESCENT LUMINAIRE WITH ECG. (EQU LASCON TYPE RI/T-236-ELB)
	25mm CONDUIT	E	2 X 36W WEATHER PROOF TO IP 55 FLUORESCENT LUMIN/ TRIPHOSPHOR LAMPS AND ECG
		F	1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMIN WHITE LAMPS & ECG (EQUAL OR BETTER THAN RADIANT T
		G	EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70V A 4M GALVANIZED STEEL POLE.
		•-	ONE LEVER LIGHT SWITCH
		•	TWO LEVER LIGHT SWITCH
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			DISTRIBUTION BOARD LOCATION
		Ø	DOUBLE POLE ISOLATOR
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LIGHTING LEGEND

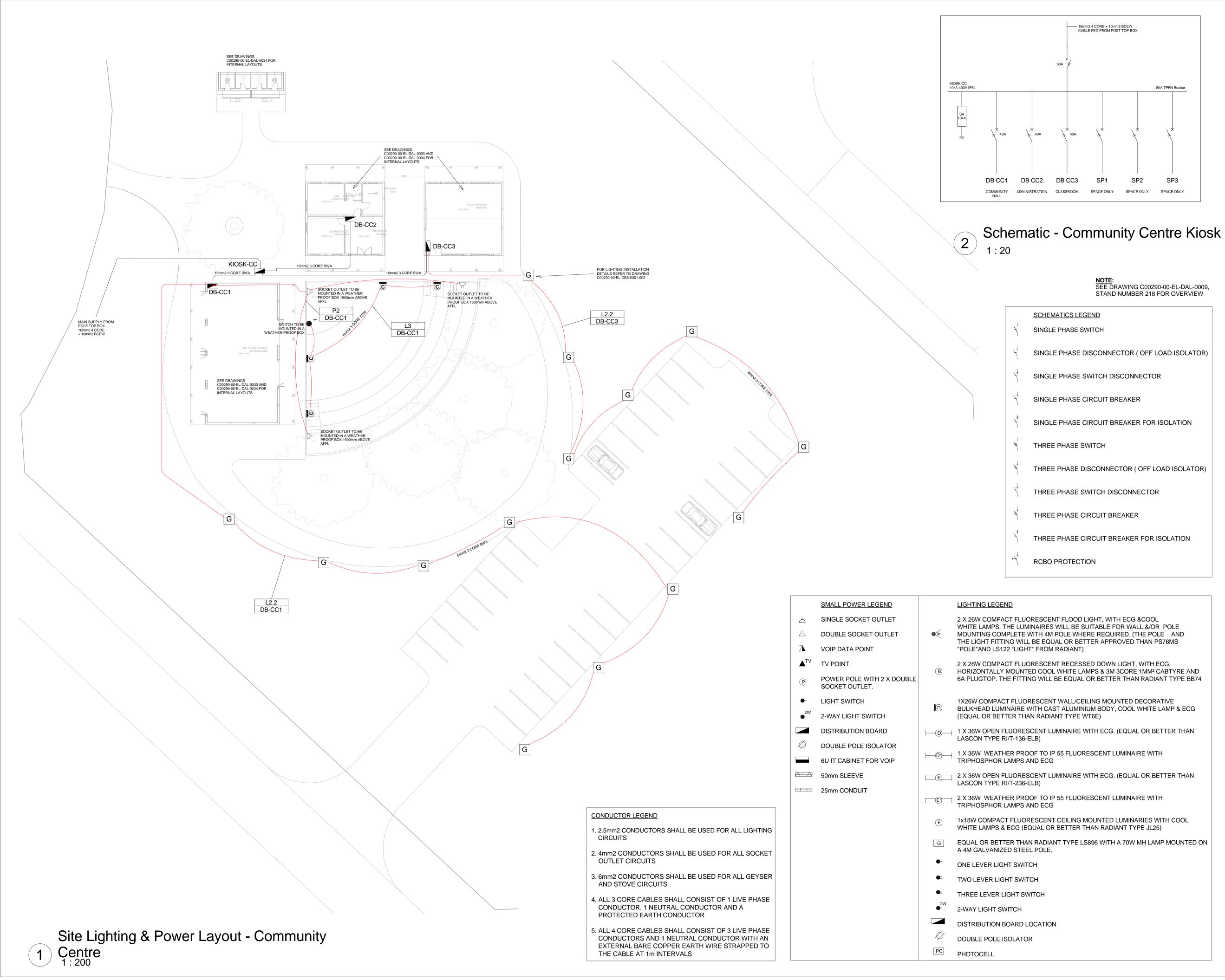
SMALL POWER LEGEND

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ORESCENT FLOOD LIGHT, WITH ECG &COOL MINAIRES WILL BE SUITABLE FOR WALL &/OR POLE WITH 4M POLE WHERE REQUIRED. (THE POLE AND LL BE EQUAL OR BETTER APPROVED THAN PS76MS HT" FROM RADIANT)			N	ΟΤ	ES	
IORESCENT RECESSED DOWN LIGHT, WITH ECG, TED COOL WHITE LAMPS & 3M 3CORE 1MM ² CABTYRE AND ING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74						
DRESCENT WALL/CEILING MOUNTED DECORATIVE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG IAN RADIANT TYPE WT6E)						
SCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN -ELB)						
OOF TO IP 55 FLUORESCENT LUMINAIRE WITH AND ECG	DR	AWING	NUMBER		REFERENCE [
SCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN -ELB)	C00290-00)100-W()-EL-DE	DR-E02-0053 S-0001-002		DESCRIP Bus Community Ce Power Typical Drawings S	ntre Small
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DRESCENT CEILING MOUNTED LUMINARIES WITH COOL EQUAL OR BETTER THAN RADIANT TYPE JL25)						
AN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON EL POLE.						
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1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS	C 02/	09/15 10/15 10/15	TM TM TM	SB SB CB	Issued for Deta Issued for Squa Issued for Clien	ad Check
2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS	E 26/	10/15 11/15 12/15	TM TM TM	CB CB SB	Issued for Clien Issued for Clien	t Approval
3. 6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS	500000000					
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR					energy	sons
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			JOH 0. Box 61232 TEL: +2 FAX: +1 www.w	IANNE , MARS 27 (0)1 27(0)11 orleypa	RD, MELROSE ARC SBURG SHALLTOWN, 2107 I 218 3000 I 218 3100 rsons.com	H,
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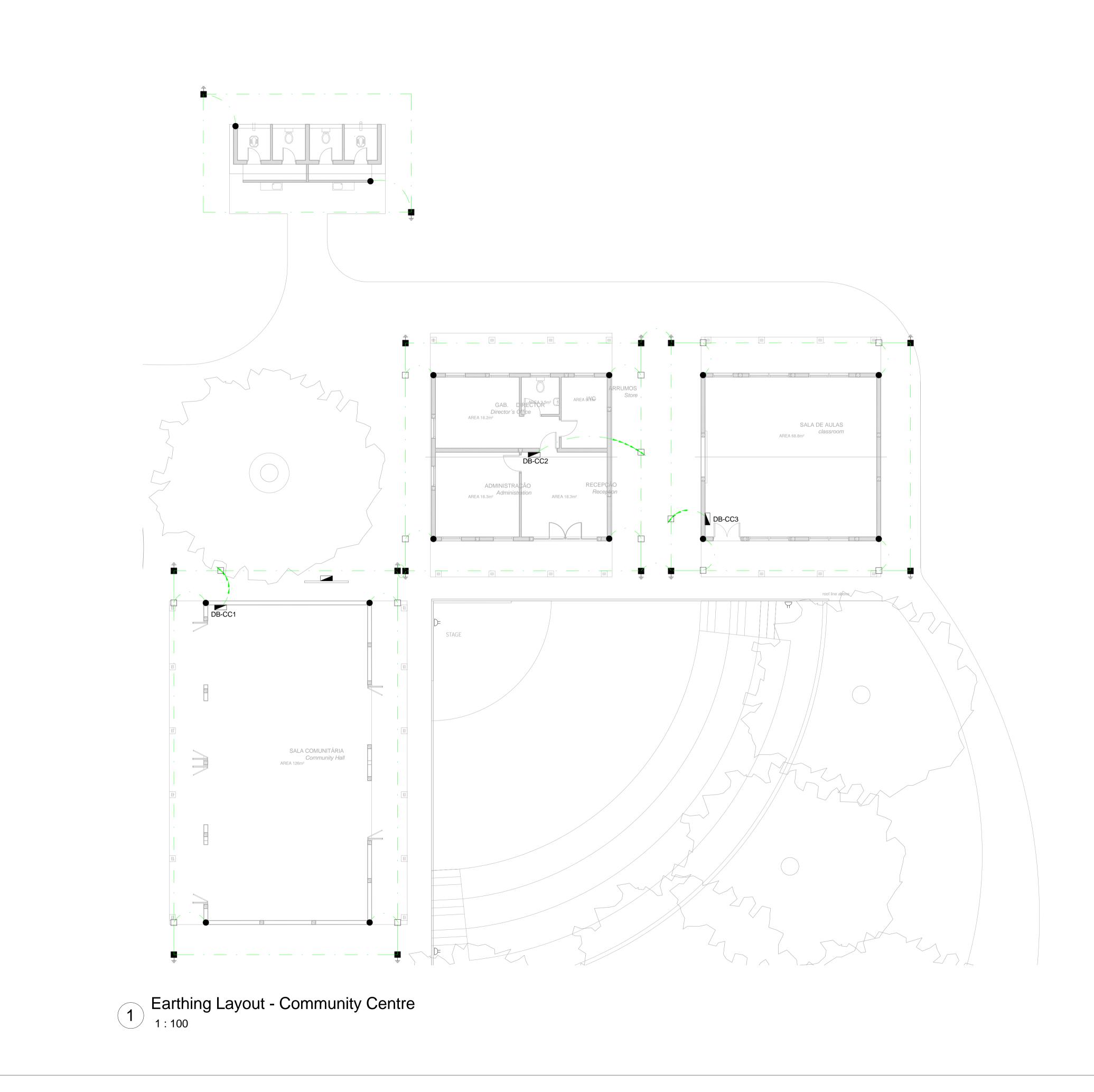
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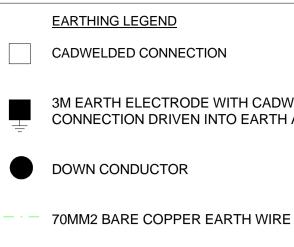
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3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M

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

SCALE	FOR R	EDUCED) PLAN	
10	20	30	40	

0mm ON ORIGINAL DRAWING

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

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

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

	REVISIONS								
NO.	DATE	CHECKED	DONE BY	DESCRIPTION					
Α	28/09/15	ТМ	SB	Issued for Peer Review					
В	28/09/15	TM	SB	Issued for Detailed Design					
С	02/10/15	ТМ	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	ТМ	SB	Issued for Construction					

WorleyParsons

resources & energy

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	NAME	SIGNATURE	DATE				
DRAWN BY:	S Bedasie	Betosie	29/09/15				
CHECKED:	T Meyer	Augu	02/10/15				
DESIGNER:	C Brandsen	Dela	28/09/15				
PR ENG:	W Snyman 20050166	18-	02/10/15				
		2007					

PROJECT ENG MANAGER: July 02/10/15 L Padayachee LOCAL PR ENG: CLIENT:



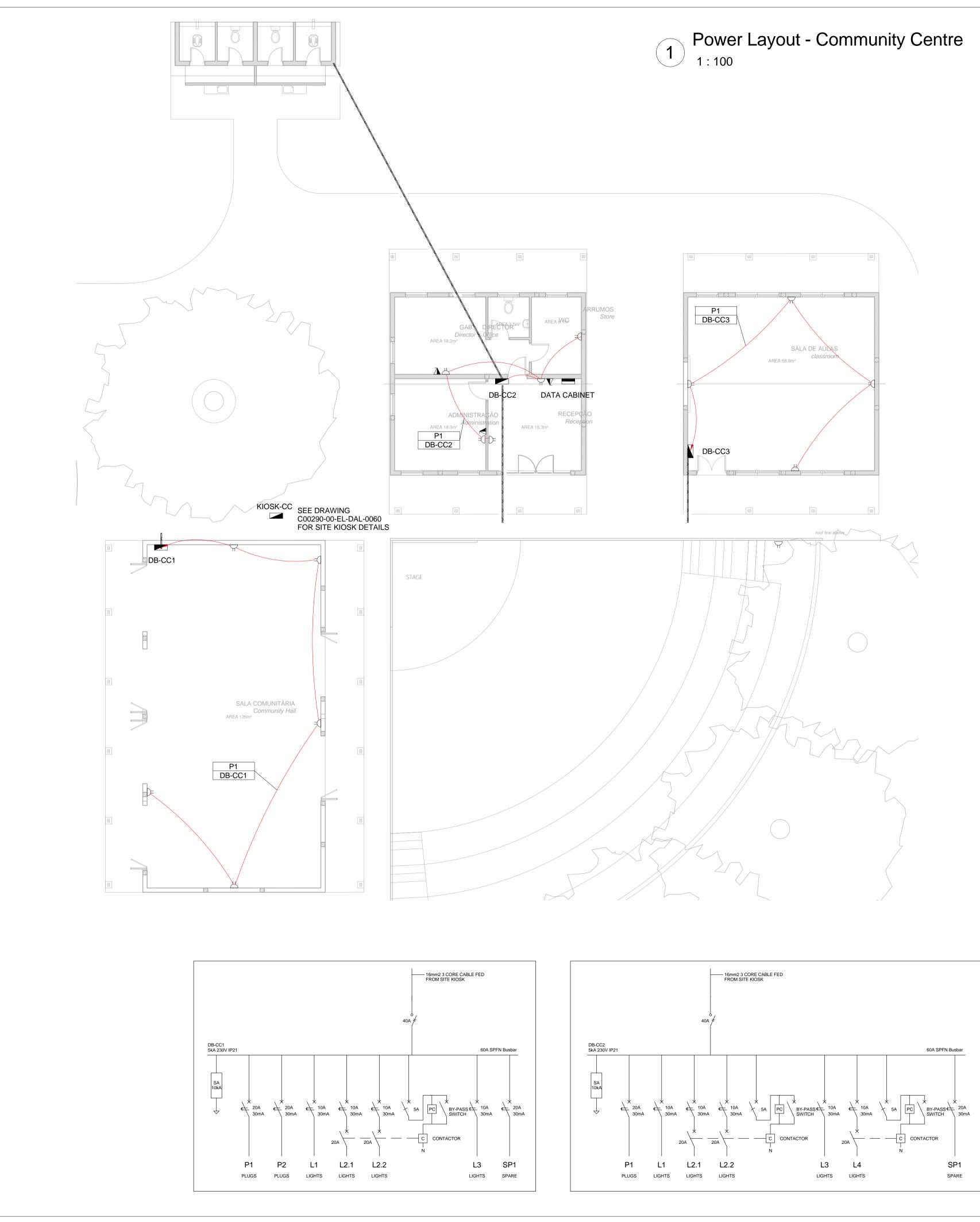


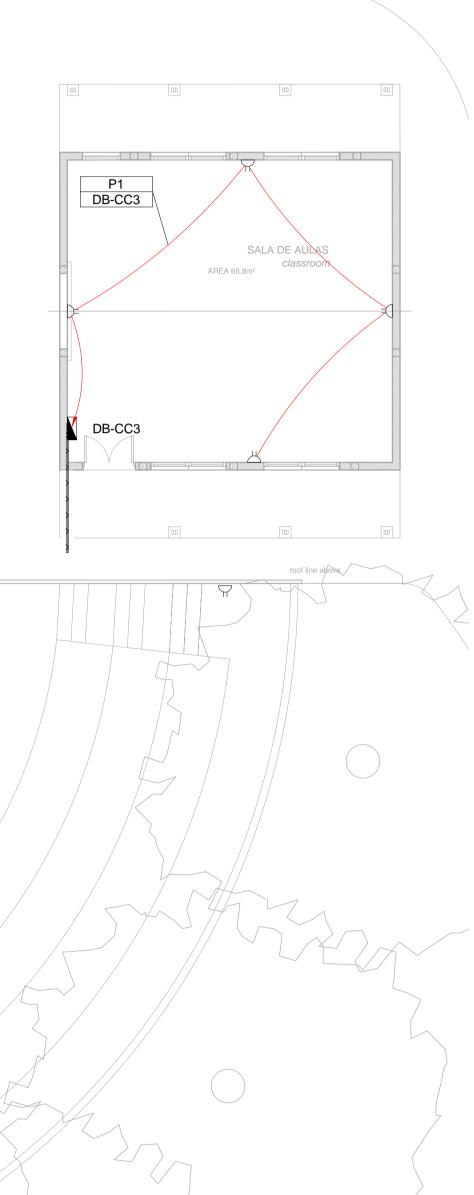
AMA1 RESETTLEMENT VILLAGE

DRAWING DESCRIPTION

Resettlement Village Bus Community Centre Earthing and Lightning Protection

SCALE	DATE					
1:100	DECEMBER	2015				
ORIGINAL DWG SIZE A1						
DRAWING NUMBER	REV NO					
C00290-00-EL-DA	C00290-00-EL-DAL-0054 0					
000230-00-LL-DAL-0004 0						
ANADARKO DRAWING NUMBER						
EA-MZ-CI0100-WOR-E02-00531-01						





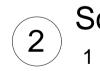
	SMALL POWER LEGEND		LIGHTING LEGEND
	SINGLE SOCKET OUTLET		2 X 26W COMPACT FLUORESCENT FLOO
Щ	DOUBLE SOCKET OUTLET		WHITE LAMPS. THE LUMINAIRES WILL BE MOUNTING COMPLETE WITH 4M POLE W
Δ	VOIP DATA POINT		THE LIGHT FITTING WILL BE EQUAL OR E "POLE"AND LS122 "LIGHT" FROM RADIAN
▲ ^{TV}	TV POINT		2 X 26W COMPACT FLUORESCENT RECE
P	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.	B	HORIZONTALLY MOUNTED COOL WHITE 6A PLUGTOP. THE FITTING WILL BE EQU
•-	LIGHT SWITCH	C	1X26W COMPACT FLUORESCENT WALL/ BULKHEAD LUMINAIRE WITH CAST ALUM
2W	2-WAY LIGHT SWITCH		(EQUAL OR BETTER THAN RADIANT TYPI
	DISTRIBUTION BOARD		1 X 36W OPEN FLUORESCENT LUMINAIR LASCON TYPE RI/T-136-ELB)
\bigotimes	DOUBLE POLE ISOLATOR		1 X 36W WEATHER PROOF TO IP 55 FLU
	6U IT CABINET FOR VOIP		TRIPHOSPHOR LAMPS AND ECG
	50mm SLEEVE	E	2 X 36W OPEN FLUORESCENT LUMINAIR LASCON TYPE RI/T-236-ELB)
	25mm CONDUIT	E)	2 X 36W WEATHER PROOF TO IP 55 FLU TRIPHOSPHOR LAMPS AND ECG
		F	1x18W COMPACT FLUORESCENT CEILING WHITE LAMPS & ECG (EQUAL OR BETTER
		G	EQUAL OR BETTER THAN RADIANT TYPE 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
		\bigotimes	DOUBLE POLE ISOLATOR

PC PHOTOCELL

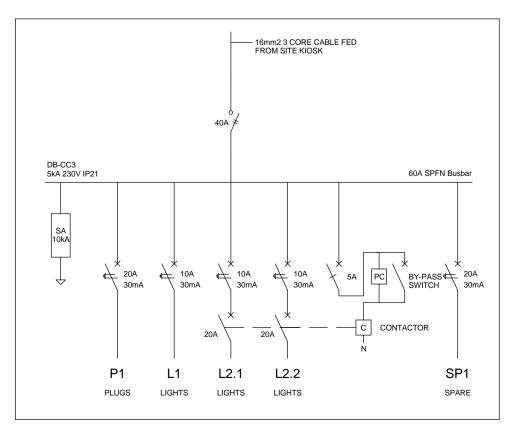
CONDUCTOR LEGEND

- 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

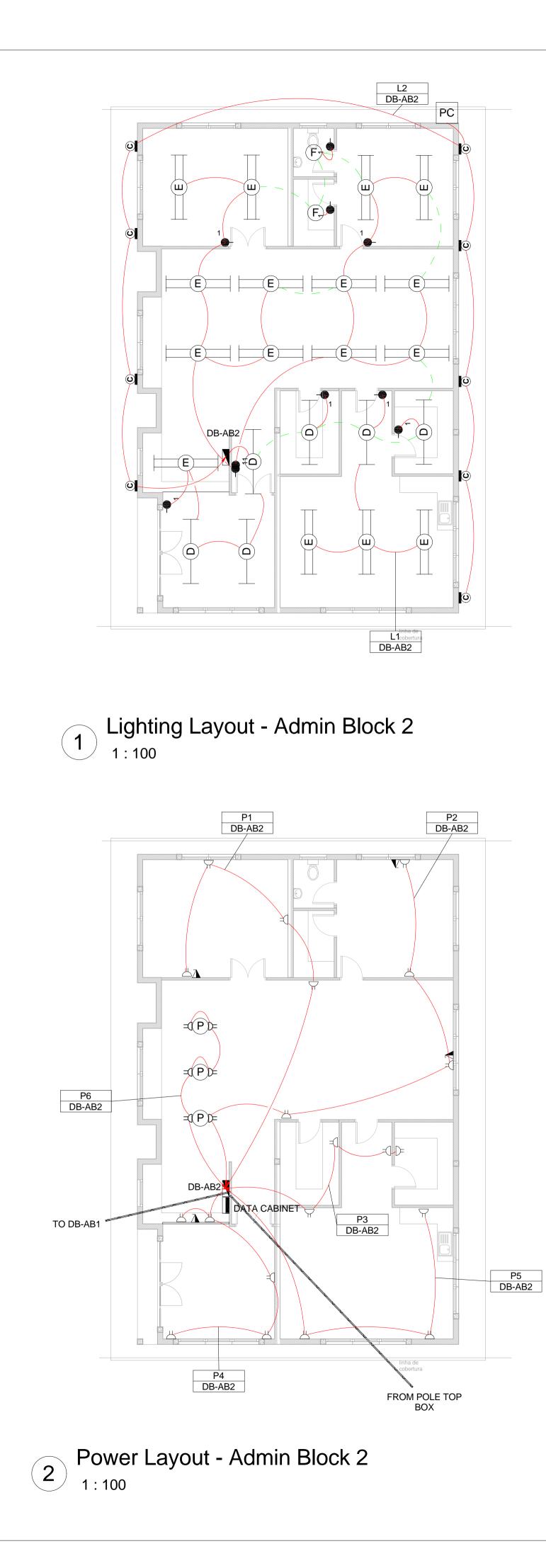
	SCHEMATICS
\neq	SINGLE PHAS
\neq_{Γ}	SINGLE PHA
\neq	SINGLE PHA
\neq^{\downarrow}	SINGLE PHA
\neq^{\pm}	SINGLE PHA
₹ 	THREE PHAS
ŧ	THREE PHAS
÷	RCBO PROTI



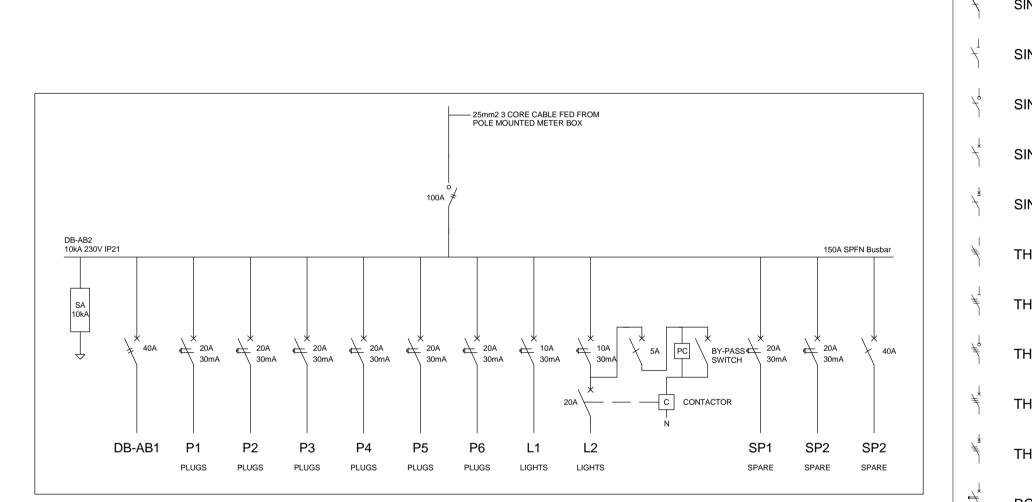
Schematic - Community Centre 1 : 20



				DUCED PLAN	50
CENT FLOOD LIGHT, WITH ECG &COOL		50mm ON	ORIGIN		
ES WILL BE SUITABLE FOR WALL &/OR POLE 4M POLE WHERE REQUIRED. (THE POLE AND EQUAL OR BETTER APPROVED THAN PS76MS OM RADIANT)	1. RCD N				OAD
CENT RECESSED DOWN LIGHT, WITH ECG, DOL WHITE LAMPS & 3M 3CORE 1MM ² CABTYRE AND ILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74	PROTEC			WINIOVERE	
ENT WALL/CEILING MOUNTED DECORATIVE CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG DIANT TYPE WT6E)					
LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN					
O IP 55 FLUORESCENT LUMINAIRE WITH CG				REFERENCE	
LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN	DRAV C00290-00-E	VING NUMBER		DESCRI Site Electrical Re	PTION
D IP 55 FLUORESCENT LUMINAIRE WITH	С00290-00-Е	00-WOR-E02-000 L-DAL-0060 00-WOR-E02-005		(Overview) Bus Community C Power and Lightir	Centre Site
CG ENT CEILING MOUNTED LUMINARIES WITH COOL	С00290-00-Е	L-DES-0001-002 00-WOR-E02-000		Typical Drawings	Sheet 2
OR BETTER THAN RADIANT TYPE JL25)					
DIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON _E.					
		ISSU	E	D FOI	R
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ION	for the project and/or docume only subject to	gns and/or docume covered by the app ents for the sole pu payment for the de	nts prep pointmer rpose of esign ha	t in all intellectual pro bared in terms of this nt. The client may us f their intended use of aving been received. and/or documents h	s appointment se the designs on this project Use for any
				ht, and all rights are efore the works comr	
	discrepancies	to the Engineer.			Copyright reserved
HEMATICS LEGEND	NO. DATI		DONE		PTION
IGLE PHASE SWITCH	A 03/08	/15 TM	SB	Issued for Pee	er Review
	B 28/09 C 02/10	/15 TM	SB SB	Issued for Det Issued for Squ	uad Check
IGLE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)	D 09/10 E 06/11	/15 TM	CB SB	Issued for Clie	ent Approval
IGLE PHASE SWITCH DISCONNECTOR	0 04/12	/15 TM	SB	Issued for Cor	nstruction
IGLE PHASE CIRCUIT BREAKER		Wo	rle	ey Par	sons
IGLE PHASE CIRCUIT BREAKER FOR ISOLATION	Y Y	resourc			50115
REE PHASE SWITCH	3	JOF P.O. Box 61232 TEL: +2	ANNE , MARS 27 (0)1	RD, MELROSE AR SBURG SHALLTOWN, 210 1 218 3000	- ,
REE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)		www.w	orleypa	1 218 3100 arsons.com RSA (Pty) Ltd. SIGNATURE	DATE
REE PHASE SWITCH DISCONNECTOR	DRAWN BY:			Bedgeie	31/07/15
REE PHASE SWITCH DISCONNECTOR	CHECKED:	T Meyer		Augu	02/10/15
REE PHASE CIRCUIT BREAKER	DESIGNER: PR ENG:	A Boodhram W Snyman 20050166		And C	28/09/15
REE PHASE CIRCUIT BREAKER FOR ISOLATION	PROJECT ENG	L Padayachee		July.	02/10/15
BO PROTECTION	MANAGER: LOCAL PR ENG:			10	
	CLIENT:				
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		3 NUMBER 90-00-EL-	DA	L-0033	REV NO
<u>NOTE</u> : SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 218 FOR OVERVIEW					
STAND NUMBER 218 FOR OVERVIEW	EA-MZ	Z-CI0100	-WC	OR-E02-0	0530-01



	SMALL POWER LEGEND		LIGHTING LEGEND
	SINGLE SOCKET OUTLET		2 X 26W COMPACT FLUORESCENT FL
	DOUBLE SOCKET OUTLET		WHITE LAMPS. THE LUMINAIRES WILL MOUNTING COMPLETE WITH 4M POL
	VOIP DATA POINT		THE LIGHT FITTING WILL BE EQUAL C "POLE"AND LS122 "LIGHT" FROM RAD
	TV POINT		2 X 26W COMPACT FLUORESCENT RE
	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.	B	HORIZONTALLY MOUNTED COOL WH 6A PLUGTOP. THE FITTING WILL BE E
	LIGHT SWITCH		1X26W COMPACT FLUORESCENT WA
	2-WAY LIGHT SWITCH	\odot	BULKHEAD LUMINAIRE WITH CAST AL (EQUAL OR BETTER THAN RADIANT T
	DISTRIBUTION BOARD	⊢D	1 X 36W OPEN FLUORESCENT LUMIN LASCON TYPE RI/T-136-ELB)
	DOUBLE POLE ISOLATOR		1 X 36W WEATHER PROOF TO IP 55 F
	6U IT CABINET FOR VOIP		TRIPHOSPHOR LAMPS AND ECG
	50mm SLEEVE	E	2 X 36W OPEN FLUORESCENT LUMIN LASCON TYPE RI/T-236-ELB)
	25mm CONDUIT	E)	2 X 36W WEATHER PROOF TO IP 55 F TRIPHOSPHOR LAMPS AND ECG
		F	1x18W COMPACT FLUORESCENT CEI WHITE LAMPS & ECG (EQUAL OR BET
		G	EQUAL OR BETTER THAN RADIANT TY 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
		\Diamond	DOUBLE POLE ISOLATOR
		PC	PHOTOCELL
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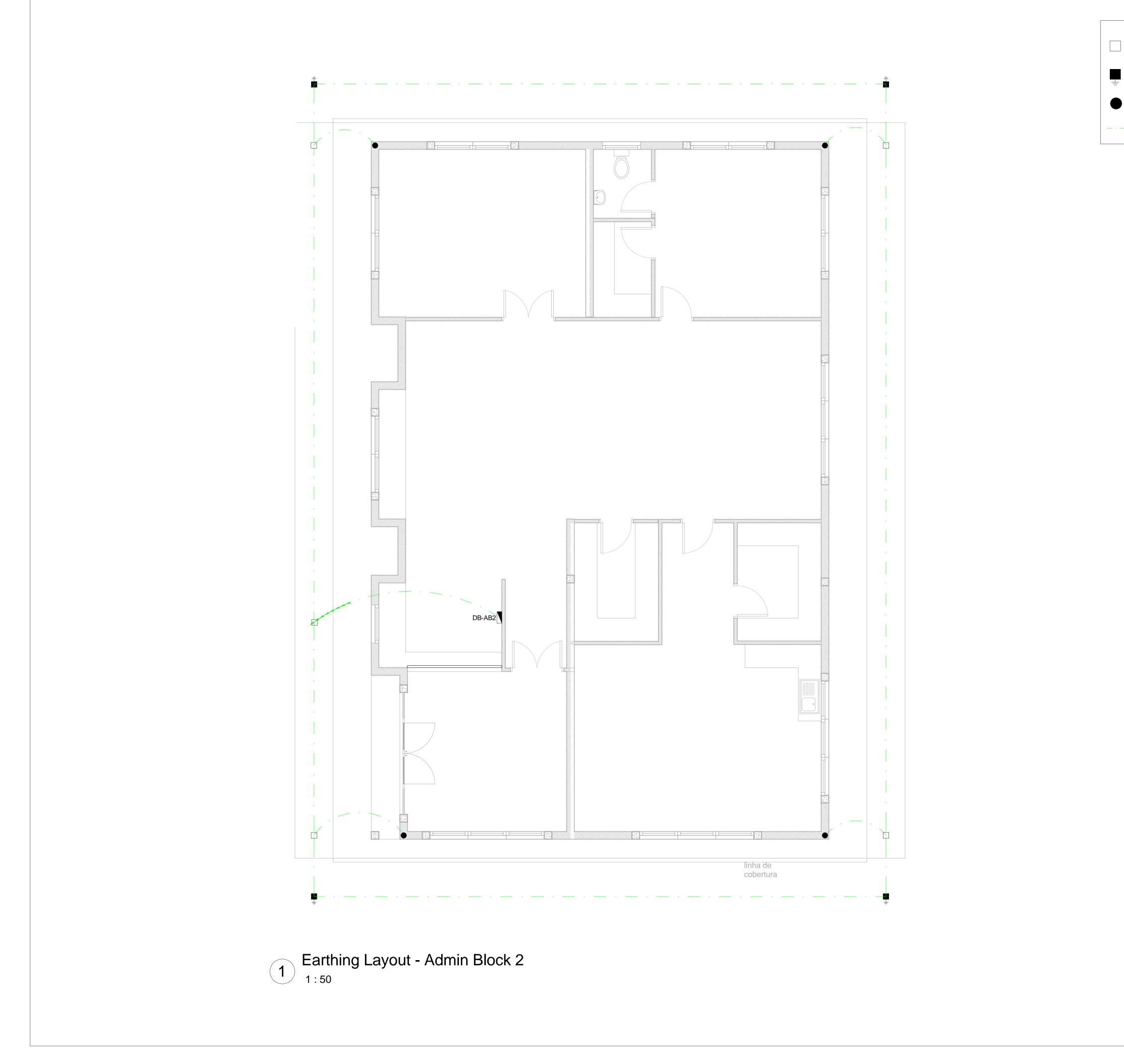
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Schematic - Admin Block 2 3 1 : 20

SINGLE PHA SINGLE PHA SINGLE PHA SINGLE PHA SINGLE PHA THREE PHA THREE PHA THREE PHA THREE PHA THREE PHA RCBO PROT CONDUCTOR

- 1. 2.5mm2 CON CIRCUITS 2. 4mm2 CONE OUTLET CIR 3. 6mm2 CONI AND STOVE
- 4. ALL 3 CORE CONDUCTO PROTECTE
- 5. ALL 4 CORE CONDUCTO EXTERNAL THE CABLE

			0	SCALE FC		DUCED PLAN 30 40 50)
DRESCENT FLOOD LIGHT, WITH ECG &COOL INAIRES WILL BE SUITABLE FOR WALL &/OR POLE							
WITH 4M POLE WHERE REQUIRED. (THE POLE AND BE EQUAL OR BETTER APPROVED THAN PS76MS T" FROM RADIANT)				ET OUTL		ES	ED AT
DRESCENT RECESSED DOWN LIGHT, WITH ECG, ED COOL WHITE LAMPS & 3M 3CORE 1MM ² CABTYRE AND NG WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74	30	0mm A	'BO\	/E FFL			
RESCENT WALL/CEILING MOUNTED DECORATIVE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG IN RADIANT TYPE WT6E)							
CENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN ELB)							
OF TO IP 55 FLUORESCENT LUMINAIRE WITH							
CENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN ELB)	C002	DRAW 290-00-E		NUMBER 0009		REFERENCE DESCRIP	TION
OF TO IP 55 FLUORESCENT LUMINAIRE WITH	C002	290-00-E	L-DE	0R-E02-0000 S-0001-002 0R-E02-0002		(Overview) Typical Drawings S	iheet 2
RESCENT CEILING MOUNTED LUMINARIES WITH COOL QUAL OR BETTER THAN RADIANT TYPE JL25)							
N RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON							
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СН							
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SINGLE PHASE CIRCUIT BREAKER							
SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION		¥¥.					son
THREE PHASE SWITCH		3	9 ME	LROSE BOL JOH . Box 61232 TEL: +2	JLEVAF IANNE , MARS 27 (0)1	RD, MELROSE ARC SBURG SHALLTOWN, 2107 1 218 3000 1 218 3100	Ή,
THREE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)				www.w	orleypa	RSA (Pty) Ltd. SIGNATURE	DATE
THREE PHASE SWITCH DISCONNECTOR		WN BY:		edasie ever		Bedosie	31/07/15
THREE PHASE CIRCUIT BREAKER		IGNER:		randsen		Bada	28/09/15
THREE PHASE CIRCUIT BREAKER FOR ISOLATION		ENG: DJECT		Snyman 50166		NG-	02/10/15
RCBO PROTECTION	ENG MAN		L Pa	adayachee		July .	02/10/15
	ENG): 					
CONDUCTOR LEGEND					CLIEI	NT	
1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS			_	-			
2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS			GA	S DEVELO			
3. 6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS							A
4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR				Moçamb	pique	Área 1, Lda	X
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		AM	A1	I RE		^{₌с⊤} TTLEME \GE	ENT
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<u>NOTE</u> : SEE DRAWING C00290-00-EL-DAL-0009,				00-EL- RAWING		L-0031	0
STAND NUMBER 243 FOR OVERVIEW						DR-E02-0)435-(



DOWN CONDUCTOR 70MM2 BARE COPPER EARTH WIRE

TYPICAL DRAWINGS

EARTHING LEGEND

CADWELDED CONNECTION

3M EARTH ELECTRODE WITH CADWELDED \pm CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M

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

SCALE	FOR	REDUCED	PLAN
10	20	30	40

50mm ON ORIGINAL DRAWING

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

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

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for constitutes an infringement of copyright, and all rights are reserved. All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer. Copyright reserved

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NO.	DATE	CHECKED	DONE BY	DESCRIPTION				
Α	28/09/15	ТМ	SB	Issued for Peer Review				
В	28/09/15	TM	SB	Issued for Detailed Design				
С	02/10/15	ТМ	SB	Issued for Squad Check				
D	09/10/15	TM	CB	Issued for Client Review				
Е	06/11/15	TM	SB	Issued for Client Approval				
0	04/12/15	ТМ	SB	Issued for Construction				

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FAX: +27(0)11 218 3100 www.worleyparsons.com WorleyParsons RSA (Pty) Ltd.						
NAME SIGNATURE DATE						
DRAWN BY:	S Bedasie	Belosie	29/09/15			

CHECKED:	T Meyer	Augu	02/10/15
DESIGNER:	C Brandsen	Dela	28/09/15
PR ENG:	W Snyman 20050166	NG	02/10/15
PROJECT ENG MANAGER:	L Padayachee	July .	02/10/15

LOCAL PR ENG: CLIENT: CLIENT



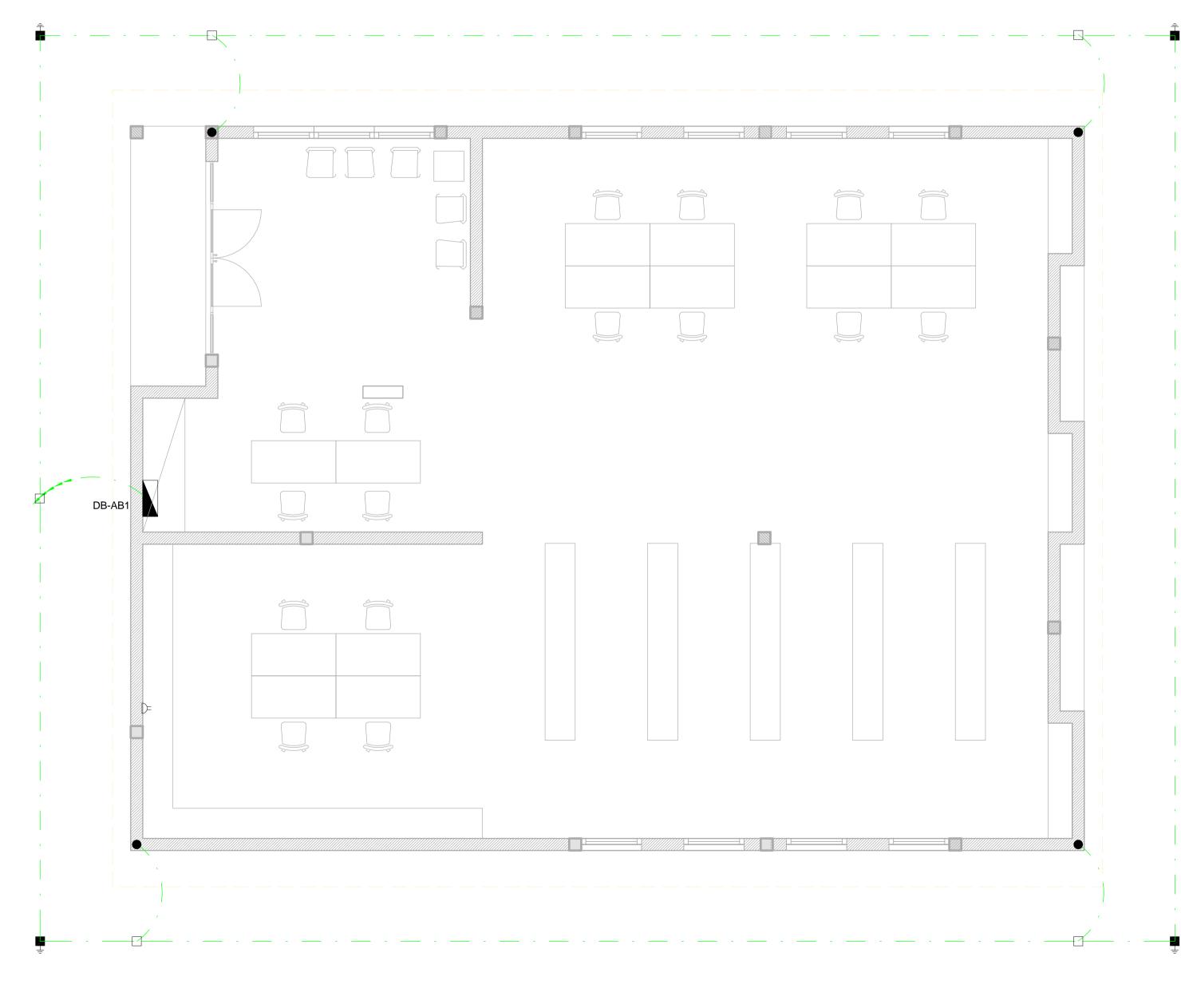


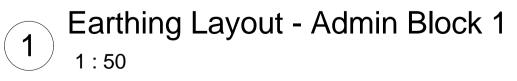
AMA1 RESETTLEMENT VILLAGE

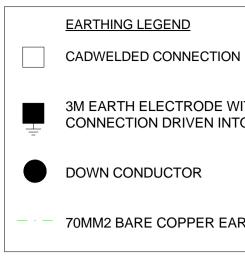
DRAWING DESCRIPTION

Resettlement Village Admin Block 2 Earthing and Lightning Protection

SCALE	DATE			
As indicated	DECEMBER	2015		
ORIGINAL DWG SIZE A1				
DRAWING NUMBER		REV NO		
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EA-MZ-CI0100-WOR-E02-00433-01				







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

3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M

70MM2 BARE COPPER EARTH WIRE

SCALE FOR REDUCED PLAN

50mm ON ORIGINAL DRAWING

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

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

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	REVISIONS						
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Α	28/09/15	ТМ	SB	Issued for Peer Review			
В	28/09/15	ТМ	SB	Issued for Detailed Design			
С	02/10/15	ТМ	SB	Issued for Squad Check			
D	09/10/15	ТМ	CB	Issued for Client Review			
Е	17/11/15	TM	CB	Issued for Client Approval			
0	04/12/15	ТМ	SB	Issued for Construction			

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	NAME	SIGNATURE	DATE			
DRAWN BY:	S Bedasie	Betosie	29/09/15			
CHECKED:	T Meyer	Augu	02/10/15			
DESIGNER:	C Brandsen	Dela	28/09/15			
PR ENG:	W Snyman 20050166	1g	02/10/15			

PROJECT ENG MANAGER: July . 02/10/15 L Padayachee LOCAL PR ENG: CLIENT:



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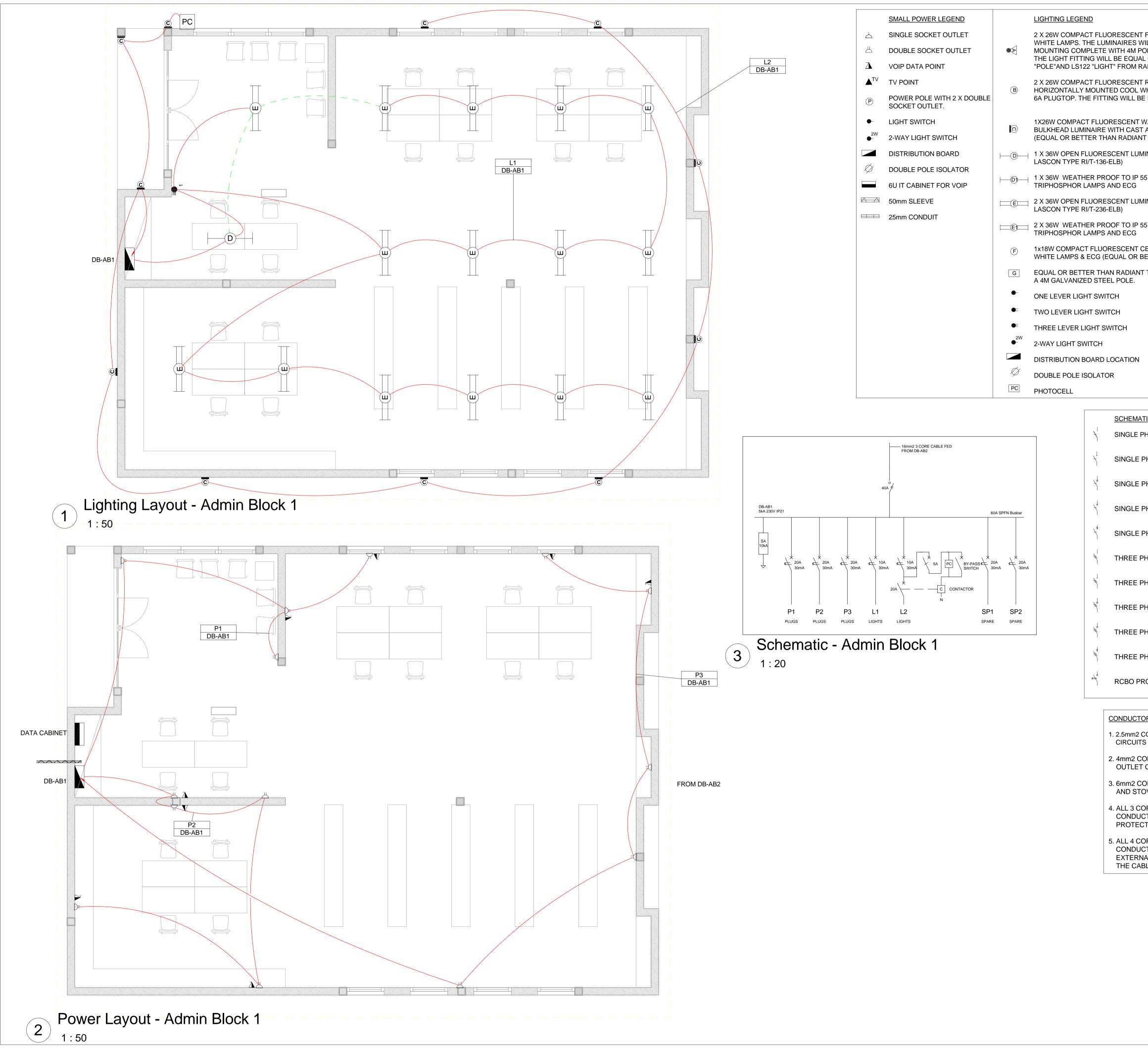


AMA1 RESETTLEMENT VILLAGE

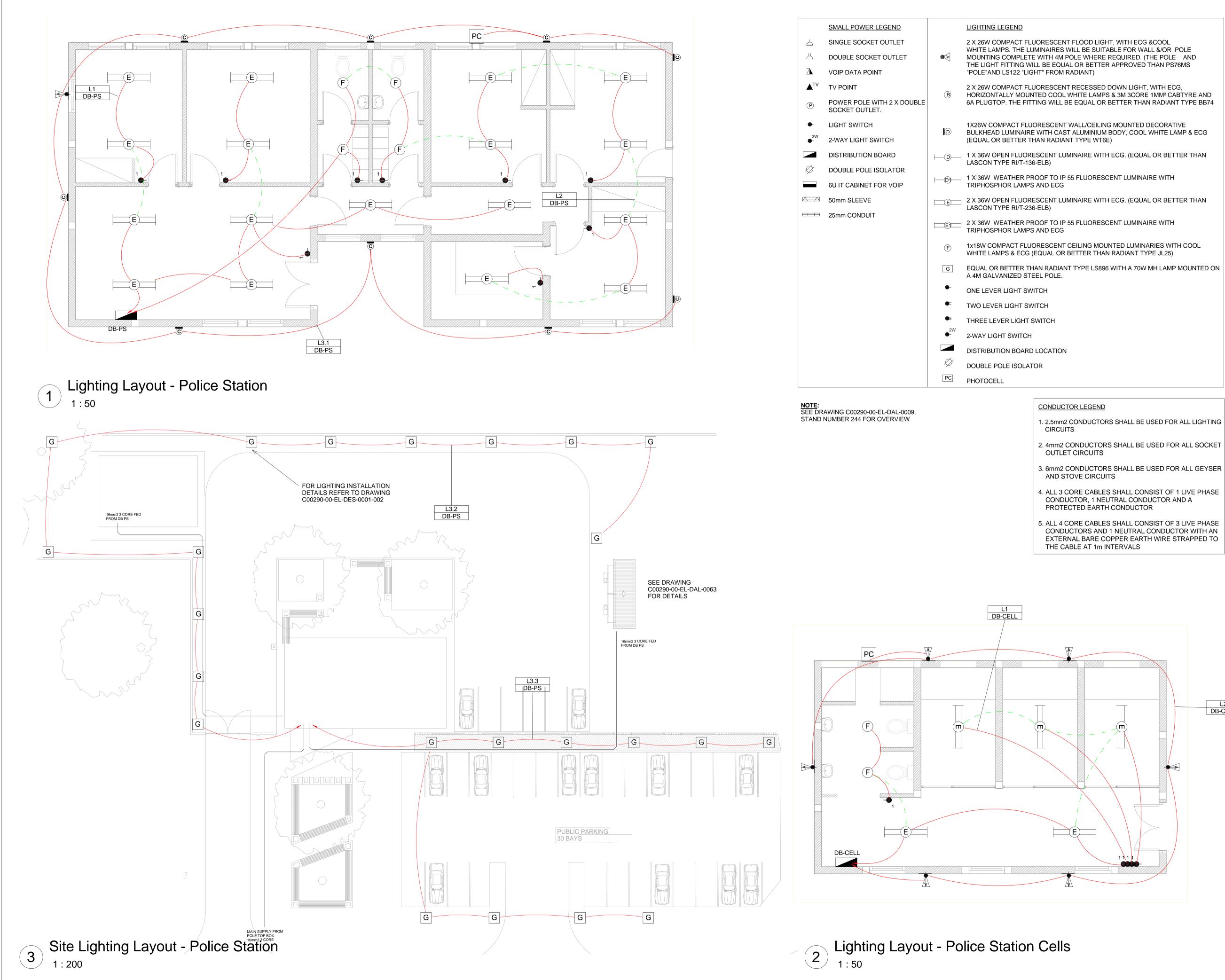
DRAWING DESCRIPTION

Resettlement Village Admin Block 1 Earthing and Lightning Protection

SCALE	DATE				
As indicated	DECEMBER	2015			
ORIGINAL DWG SIZE A1					
DRAWING NUMBER	REV NO				
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T RECESSED DOWN LIGHT, WITH ECG, WHITE LAMPS & 3M 3CORE 1MM ² CABTYRE AND 3E EQUAL OR BETTER THAN RADIANT TYPE BB74		00mm A					
WALL/CEILING MOUNTED DECORATIVE T ALUMINIUM BODY, COOL WHITE LAMP & ECG NT TYPE WT6E)							
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BETTER THAN RADIANT TYPE JL25)							
IT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON							
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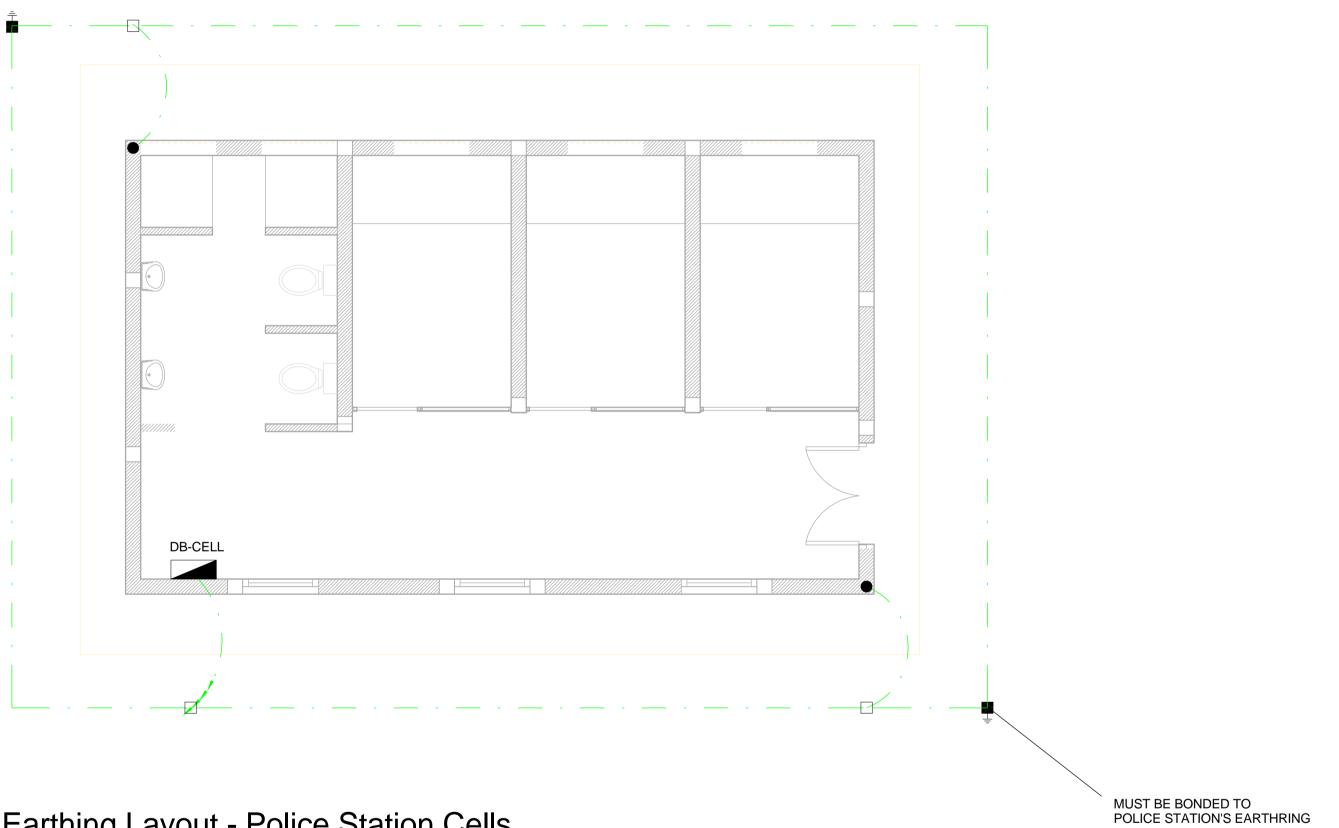
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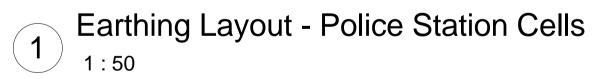
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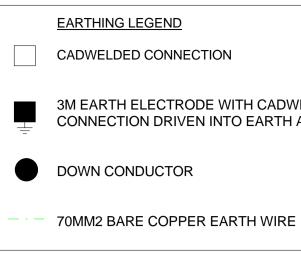
C00290-00-EL-DAL-0037

EA-MZ-CI0100-WOR-E02-00340-01

ANADARKO DRAWING NUMBER







TYPICAL DRAWINGS

)		
-		

3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M

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

SCALE FOR REDUCED PLAN

50mm ON ORIGINAL DRAWING

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

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

ISSUED FOR CONSTRUCTION

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

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NO.	DATE	CHECKED	DONE BY	DESCRIPTION				
Α	28/09/15	ТМ	SB	Issued for Peer Review				
В	28/09/15	ТМ	SB	Issued for Detailed Design				
С	02/10/15	ТМ	SB	Issued for Squad Check				
D	09/10/15	TM	CB	Issued for Client Review				
Е	06/11/15	TM	SB	Issued for Client Approval				
0	04/12/15	ТМ	SB	Issued for Construction				

WorleyParsons

resources & energy

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P.O. B		RSHALLTOWN, 2107		
		11 218 3000		
		11 218 3100		
www.worleyparsons.com				
	WorleyParsons	s RSA (Pty) Ltd.		
	NAME	SIGNATURE	DATE	

DRAWN BY:	S Bedasie	Bedgsie	29/09/15
CHECKED:	T Meyer	Augr	02/10/15
DESIGNER:	C Brandsen	Dela	28/09/15
PR ENG:	W Snyman 20050166	NG-	02/10/15
PROJECT ENG	L Padayachee	July.	02/10/15

LOCAL PR ENG: CLIENT: CLIENT



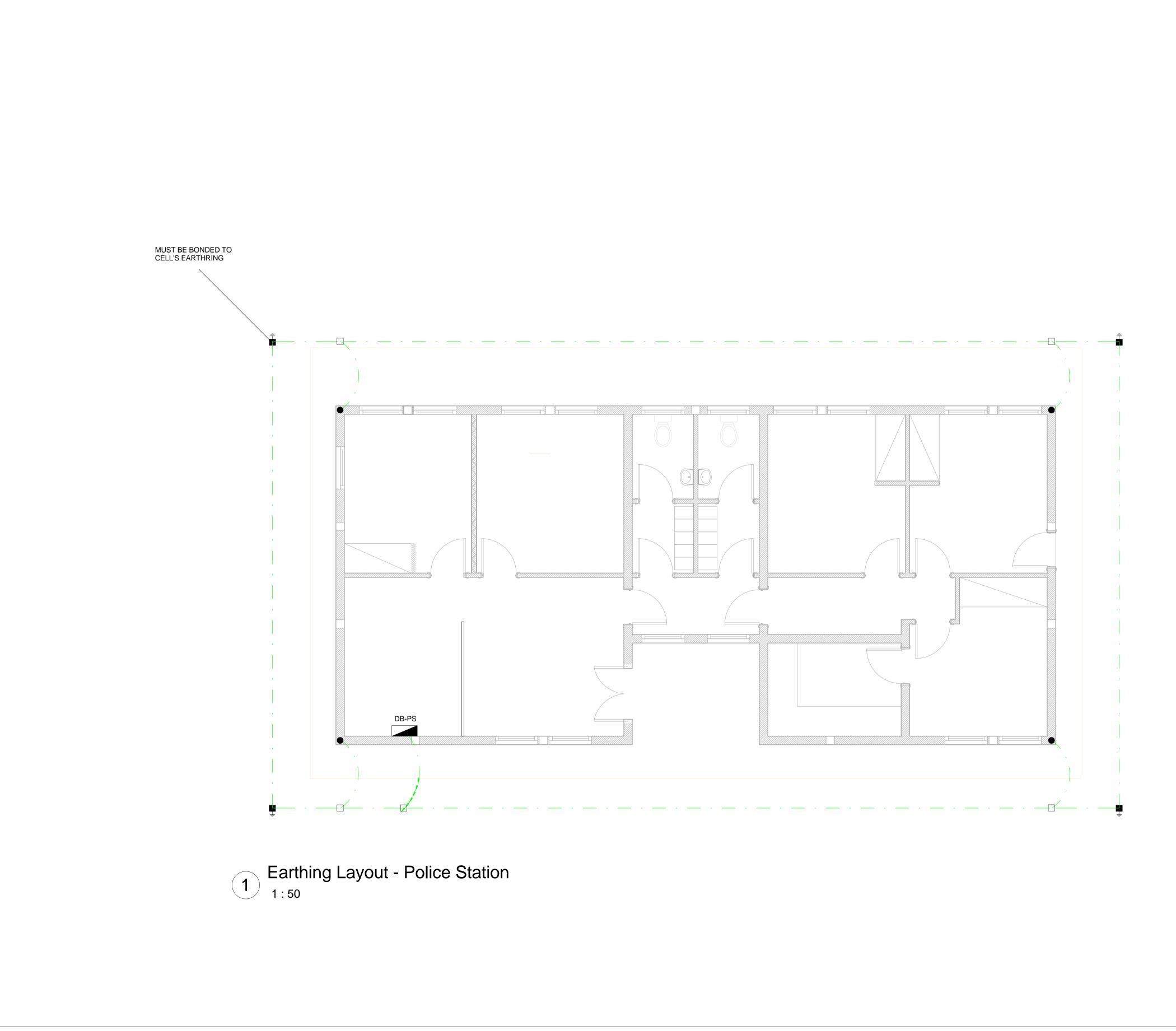


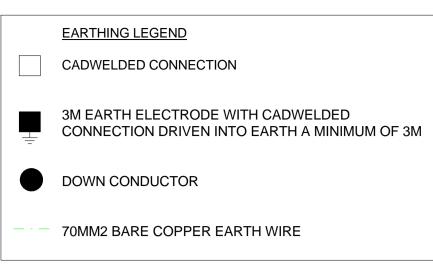
AMA1 RESETTLEMENT VILLAGE

DRAWING DESCRIPTION

Resettlement Village Police Station Cells Earthing and Lightning Protection

SCALE	DATE			
As indicated	DECEMBER	2015		
ORIGINAL DWG SIZE A1				
DRAWING NUMBER	REV NO			
	0			
C00290-00-EL-DA	0			
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SEE DRAWING C00290-00-EL-DES-0001 FOR EARTHING TYPICAL DRAWINGS

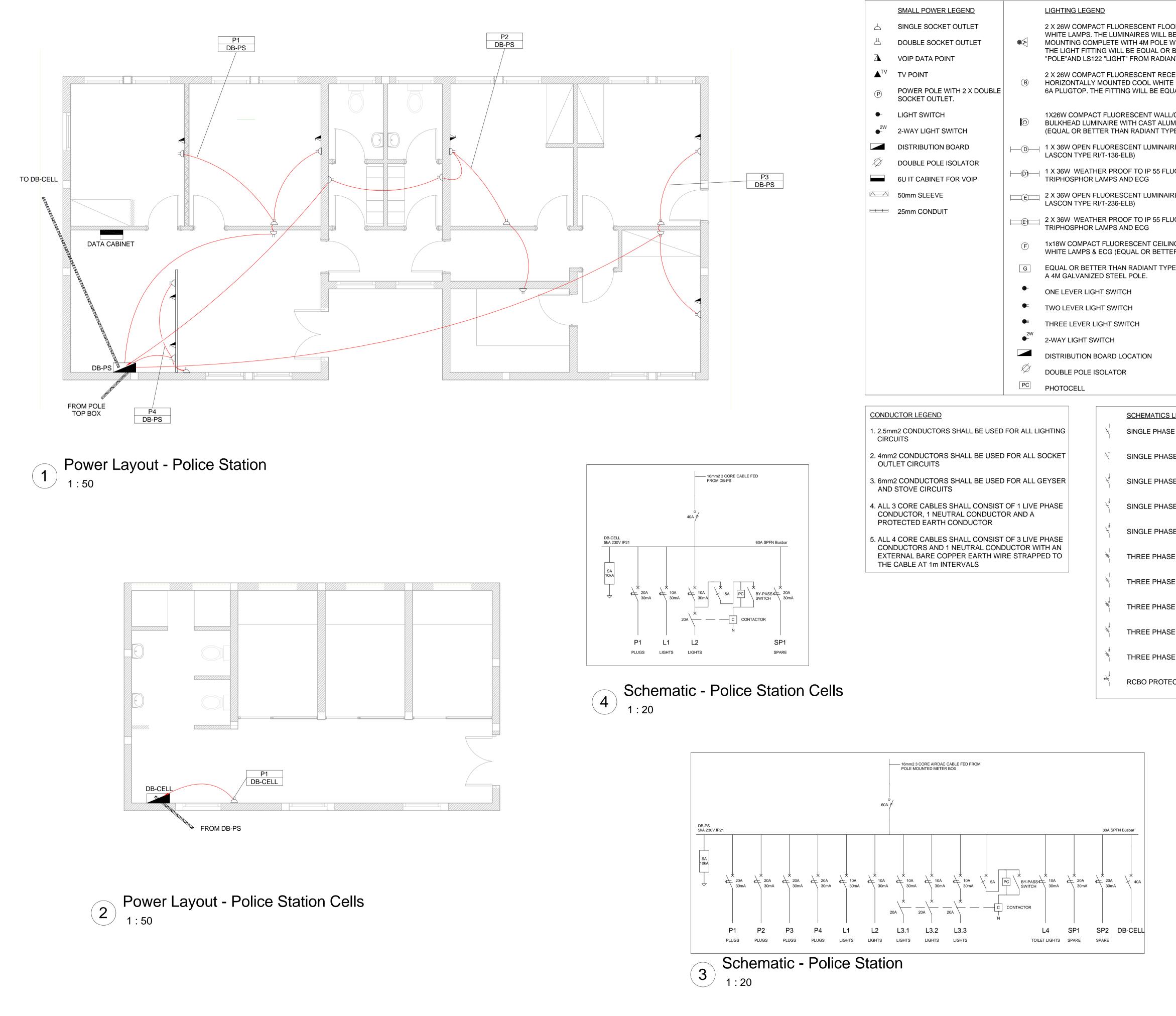
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WorleyParson resources & energy 39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG P.O. Box 61232, MARSHALLTOWN, 2107 TEL: +27 (0)11 218 3000 FAX: +27(0)11 218 3100 www.worleyparsons.com
WorleyParsons RSA (Pty) Ltd. NAME SIGNATURE DA
DRAWN BY: S Bedasie Belogie 29/09
CHECKED: T Meyer O2/10
DESIGNER: C Brandsen 28/05 PR ENG: W Snyman 02/10
PROJECT 02/10
ENG L Padayachee 02/10 MANAGER: LOCAL PR 02/10
ENG: CLIENT:
CLIENT
MOZAMBIQUE SAS DEVELOPMENT PROJECT
PROJECT AMA1 RESETTLEMENT VILLAGE
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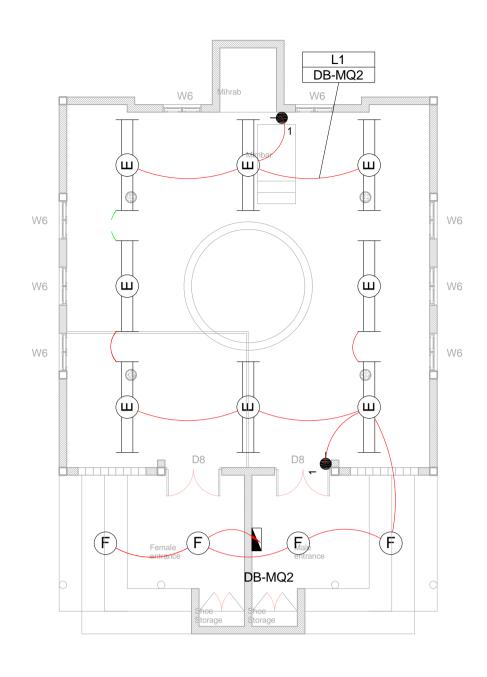
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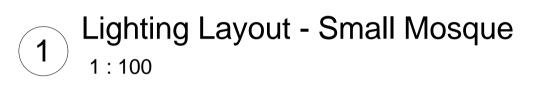
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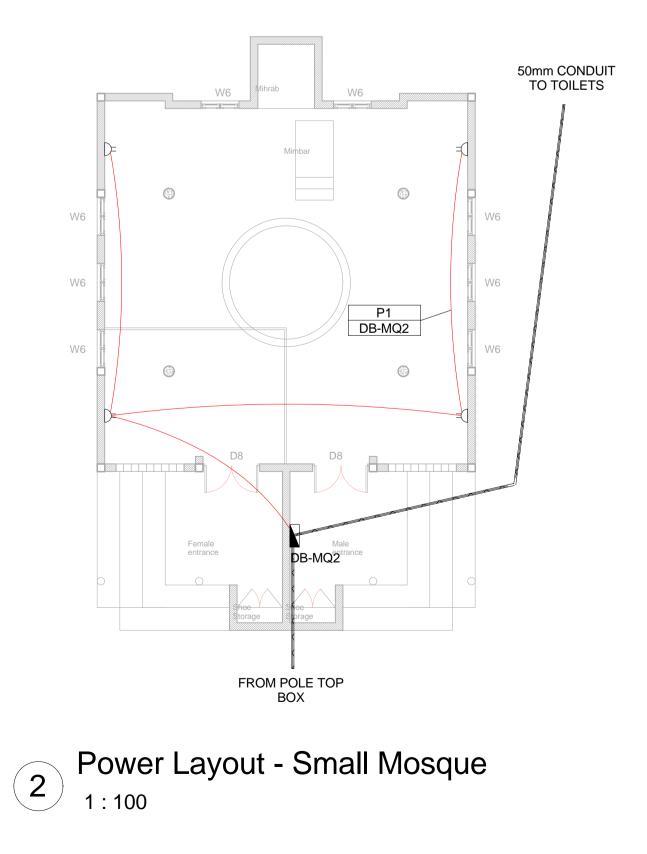
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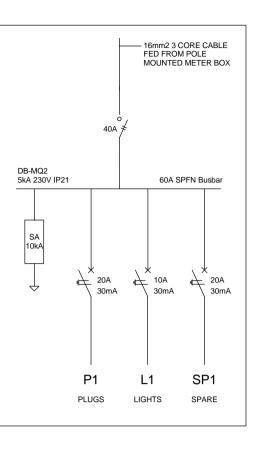


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/CEILING MOUNTED DECORATIVE MINIUM BODY, COOL WHITE LAMP & ECG PE WT6E)								
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RE WITH ECG. (EQUAL OR BETTER THAN	DRA\ C00290-00-E EA-MZ-CI000	L-DA		07-01	REFERENCE DESCRII Site Electrical Re (Overview)	PTION		
JORESCENT LUMINAIRE WITH	C00290-00-E EA-MZ-CI00			27-02	Typical Drawings	Sheet 2		
NG MOUNTED LUMINARIES WITH COOL ER THAN RADIANT TYPE JL25)								
E LS896 WITH A 70W MH LAMP MOUNTED ON								
	WorleyParsor including desi for the project and/or docum only subject tu other purpose paid for constitutes	Dr is RSA gns ar cover ents fo payn , where an in s must	A retains the c d/or document ed by the app or the sole pur hent for the de her or not the fringement of be verified or Engineer.	opyright nts prep pointmer rpose of ssign ha design copyright n site be	D FOF UCTI ared in terms of this it. The client may us their intended use of ving been received. and/or documents h and, and all rights are fore the works common C ONS	ON appointment se the designs on this project Use for any ave been reserved.		
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E DISCONNECTOR (OFF LOAD ISOLATOR)					SA (Pty) Ltd. SIGNATURE	DATE		
E SWITCH DISCONNECTOR	DRAWN BY:		edasie		Belosie	31/07/15		
E CIRCUIT BREAKER	DESIGNER:		leyer Brandsen		Augu	28/09/15		
E CIRCUIT BREARER	PR ENG:	W	Snyman		Bester	02/10/15		
E CIRCUIT BREAKER FOR ISOLATION	PROJECT ENG		0050166 Padayachee		July .	02/10/15		
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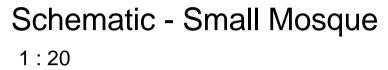








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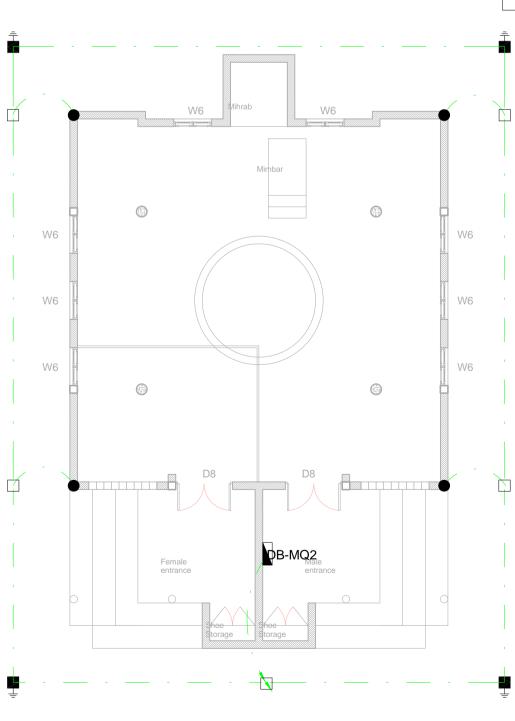
	SMALL POWER LEGEND		LIGHTING LEGEND
$ \bigtriangleup $	SINGLE SOCKET OUTLET		2 X 26W COMPACT FLUORESCENT F WHITE LAMPS. THE LUMINAIRES WI
Щ	DOUBLE SOCKET OUTLET		MOUNTING COMPLETE WITH 4M PO
Δ	VOIP DATA POINT		THE LIGHT FITTING WILL BE EQUAL "POLE"AND LS122 "LIGHT" FROM RA
▲ ^{TV}	TV POINT		2 X 26W COMPACT FLUORESCENT F
P	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.	B	HORIZONTALLY MOUNTED COOL W 6A PLUGTOP. THE FITTING WILL BE
•	LIGHT SWITCH	Ô	1X26W COMPACT FLUORESCENT W
2W	2-WAY LIGHT SWITCH		BULKHEAD LUMINAIRE WITH CAST A
	DISTRIBUTION BOARD		1 X 36W OPEN FLUORESCENT LUMI LASCON TYPE RI/T-136-ELB)
\bigotimes	DOUBLE POLE ISOLATOR		1 X 36W WEATHER PROOF TO IP 55
	6U IT CABINET FOR VOIP		TRIPHOSPHOR LAMPS AND ECG
	50mm SLEEVE	E	2 X 36W OPEN FLUORESCENT LUMI LASCON TYPE RI/T-236-ELB)
	25mm CONDUIT	E)	2 X 36W WEATHER PROOF TO IP 55 TRIPHOSPHOR LAMPS AND ECG
		F	1x18W COMPACT FLUORESCENT CE WHITE LAMPS & ECG (EQUAL OR BE
		G	EQUAL OR BETTER THAN RADIANT 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
		\bigotimes	DOUBLE POLE ISOLATOR

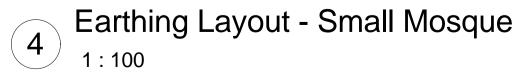
PC PHOTOCELL

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

	<u>SCHEMAT</u>
Ź	SINGLE PH
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\neq	SINGLE P
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	EARTHING
	CADWELD
<u> </u>	3M EARTH CONNECT
	DOWN CC
	70MM2 BA
	SEE TYP





F FLOOD LIGHT, WITH ECG &COOL VILL BE SUITABLE FOR WALL &/OR POLE OLE WHERE REQUIRED. (THE POLE AND L OR BETTER APPROVED THAN PS76MS RADIANT)

RECESSED DOWN LIGHT, WITH ECG, WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND E EQUAL OR BETTER THAN RADIANT TYPE BB74

WALL/CEILING MOUNTED DECORATIVE ALUMINIUM BODY, COOL WHITE LAMP & ECG NT TYPE WT6E)

MINAIRE WITH ECG. (EQUAL OR BETTER THAN

55 FLUORESCENT LUMINAIRE WITH

MINAIRE WITH ECG. (EQUAL OR BETTER THAN

55 FLUORESCENT LUMINAIRE WITH

CEILING MOUNTED LUMINARIES WITH COOL BETTER THAN RADIANT TYPE JL25)

TYPE LS896 WITH A 70W MH LAMP MOUNTED ON

TICS LEGEND

PHASE SWITCH

PHASE DISCONNECTOR (OFF LOAD ISOLATOR)

PHASE SWITCH DISCONNECTOR

PHASE CIRCUIT BREAKER

PHASE CIRCUIT BREAKER FOR ISOLATION

PHASE SWITCH

PHASE DISCONNECTOR (OFF LOAD ISOLATOR)

PHASE SWITCH DISCONNECTOR

PHASE CIRCUIT BREAKER

PHASE CIRCUIT BREAKER FOR ISOLATION

ROTECTION

IG LEGEND

DED CONNECTION

TH ELECTRODE WITH CADWELDED CTION DRIVEN INTO EARTH A MINIMUM OF 3M

ONDUCTOR

BARE COPPER EARTH WIRE

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

SCALE FOR REDUCED PLAN

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

REFERENCE DRAWING DRAWING NUMBER DESCRIPTION C00290-00-EL-DAL-0009 Site Electrical Reticulation – LV EA-MZ-CI0000-WOR-E02-00007-01 (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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В	28/09/15	TM	SB	Issued for Detailed Design			
С	02/10/15	ТМ	SB	Issued for Squad Check			
D	09/10/15	TM	CB	Issued for Client Review			
Е	17/11/15	TM	CB	Issued for Client Approval			
0	04/12/15	ТМ	SB	Issued for Construction			

WorleyParsons

resources & energy

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	FAX: +27(0)11 218 3100						
	www.worleyparsons.com						
	WorleyParsons RSA (Pty) Ltd.						
NAME SIGNATURE DATE							
DRAWN BY: S Bedasie Bedasie 28/09/15							

CHECKED:	T Meyer	Augu	02/10/15
DESIGNER:	C Brandsen	Ala	28/09/15
PR ENG:	W Snyman 20050166	NG	02/10/15
PROJECT ENG MANAGER:	L Padayachee	July .	02/10/15
LOCAL PR ENG:			



CLIENT:



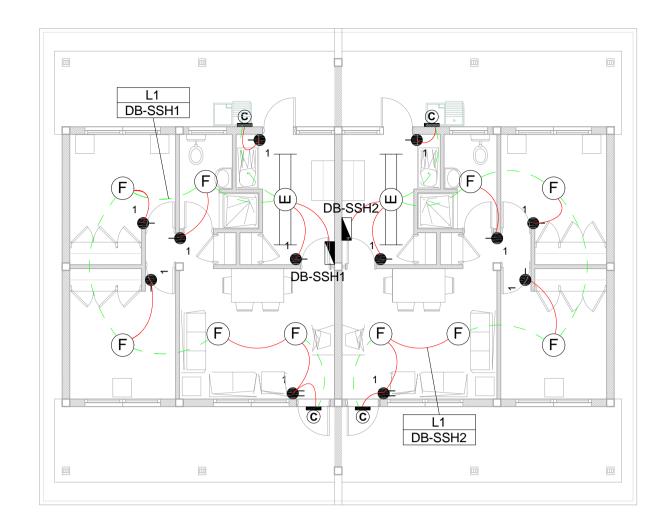
AMA1 RESETTLEMENT VILLAGE

DRAWING DESCRIPTION

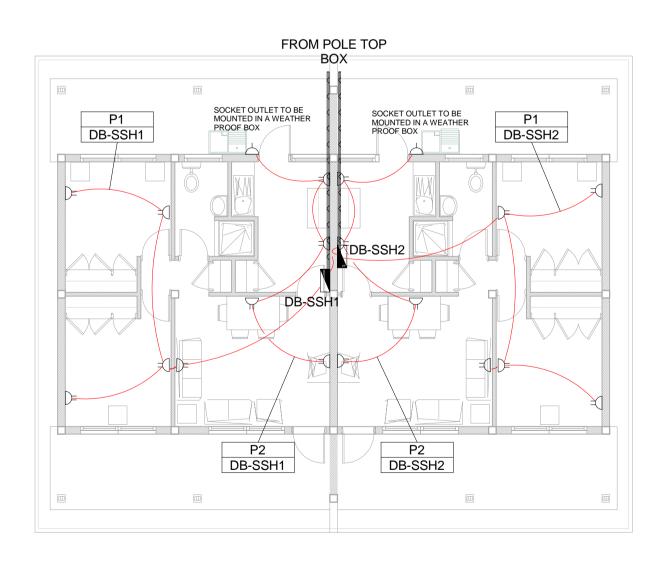
Resettlement Village Small Mosque Small Power and Lighting

SCALE	DATE	
As indicated	DECEMBER	2015
ORIGINAL DWG SIZE A1		
DRAWING NUMBER	·	REV NO
C00290-00-EL-DA	L-0051	0
ANADARKO DRAWING NUM	BER	
EA-MZ-CI0100-WC	DR-E02-001	07-01

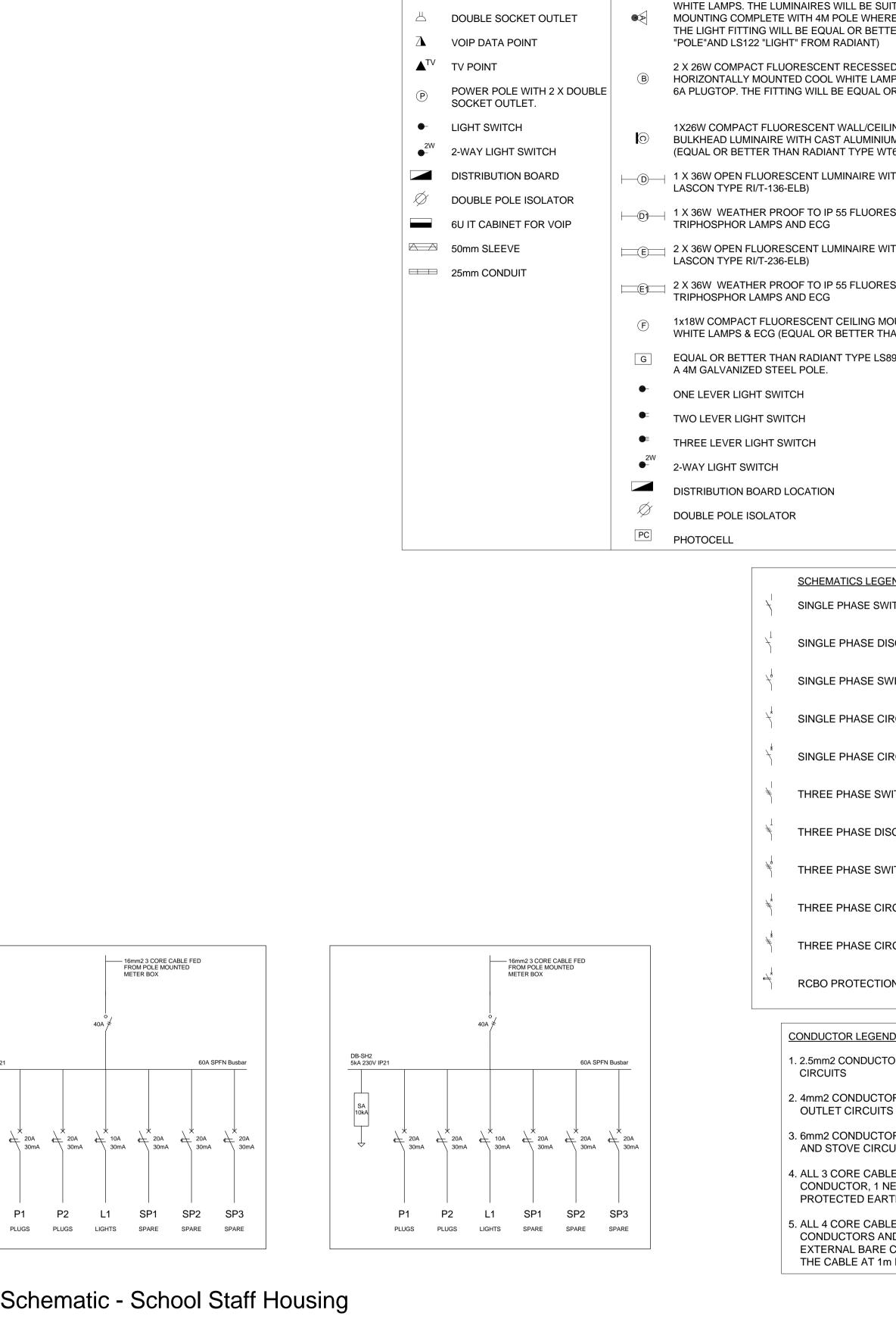
NOTE: SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 174 & 444 FOR OVERVIEW



Lighting Layout - School Staff Housing 1







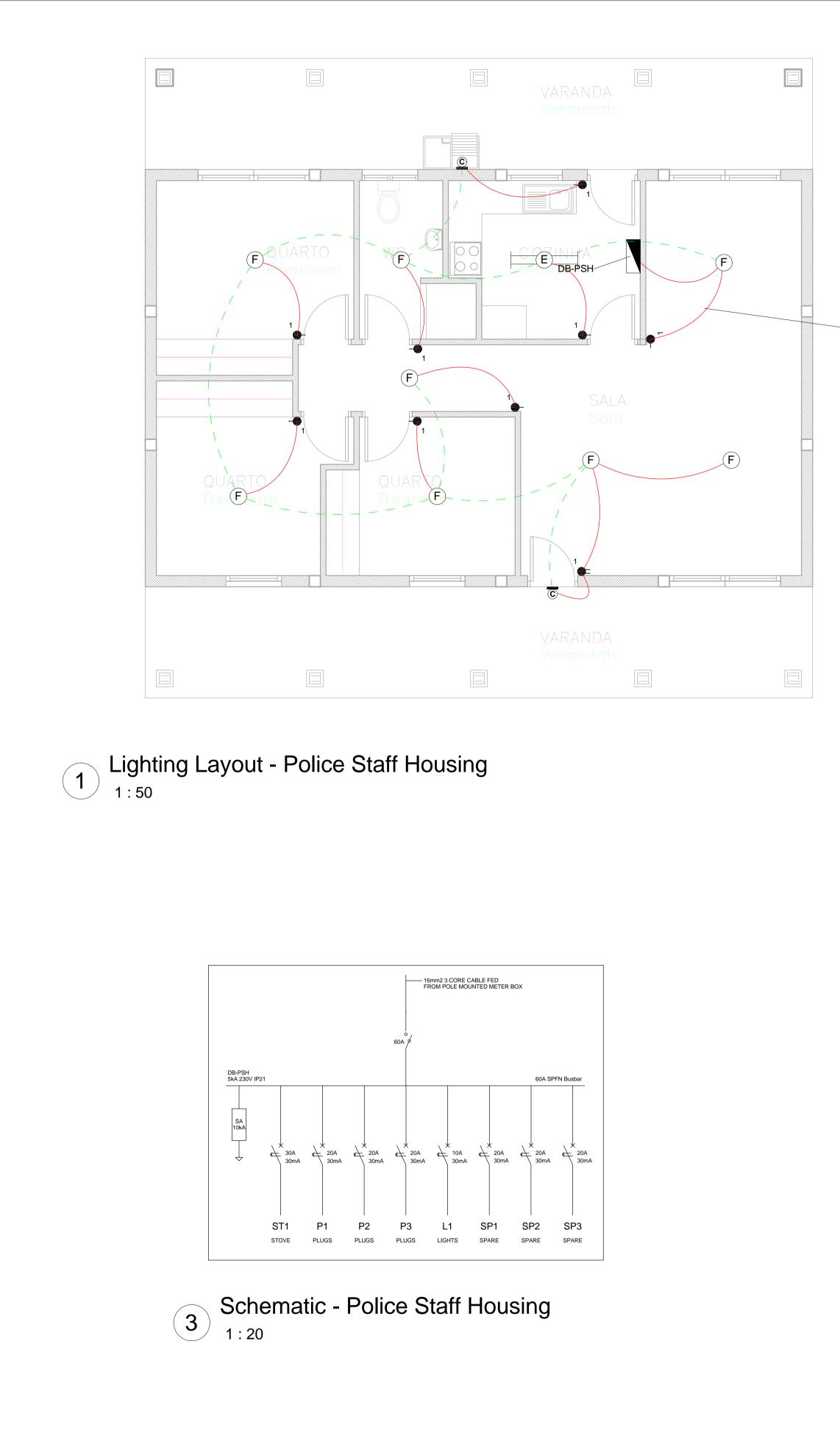
SMALL POWER LEGEND

Schematic - School Staff Housing 3 1:20

DB-SH1 5kA 230V IP21

SA 10kA

				O SCALE FOR R		0
LIGHTING LEGEN				50mm ON ORIG		
WHITE LAMPS. T MOUNTING COM THE LIGHT FITTI	THE LU IPLET NG W	UORESCENT FLOOD LIGHT, WITH ECG &COOL JMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE E WITH 4M POLE WHERE REQUIRED. (THE POLE AND ILL BE EQUAL OR BETTER APPROVED THAN PS76MS GHT" FROM RADIANT)	NOTES 1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.			
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BULKHEAD LUM	INAIR	ORESCENT WALL/CEILING MOUNTED DECORATIVE E WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG HAN RADIANT TYPE WT6E)				
1 X 36W OPEN F LASCON TYPE R		ESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN 6-ELB)				
1 X 36W WEATH TRIPHOSPHOR L		ROOF TO IP 55 FLUORESCENT LUMINAIRE WITH S AND ECG			REFERENCE	DRAWING
2 X 36W OPEN FI LASCON TYPE R		ESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN 6-ELB)	С00290-00-Е	VING NUMBER L-DAL-0009 00-WOR-E02-00007-01	DESCRIP Site Electrical Ret	PTION
2 X 36W WEATH TRIPHOSPHOR L		ROOF TO IP 55 FLUORESCENT LUMINAIRE WITH		L-DES-0001-002 00-WOR-E02-00027-02	2 Typical Drawings S	Sheet 2
		ORESCENT CEILING MOUNTED LUMINARIES WITH COOL (EQUAL OR BETTER THAN RADIANT TYPE JL25)				
	ER TH	AN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON				
ONE LEVER LIGH)
TWO LEVER LIG	HT SV	ЛТСН		ISSUE		
THREE LEVER LI	IGHT S	SWITCH	CC	ONSTR		ON
2-WAY LIGHT SW	ИТСН		including desi for the project	is RSA retains the copyri gns and/or documents pr covered by the appointm	repared in terms of this a nent. The client may use	appointment e the designs
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PHOTOCELL				to the Engineer.	Cc	opyright reserved
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		SCHEMATICS LEGEND	NO. DAT	E CHECKED BY	DESCRIP	
	Ź	SINGLE PHASE SWITCH	A 28/09 B 28/09 C 02/10	/15 TM SE	B Issued for Deta	ailed Design
		SINGLE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)	D 09/10 E 17/11 0 04/12	/15 TM CE	3 Issued for Clier	nt Approval
	1	SINGLE PHASE SWITCH DISCONNECTOR				
	7	SINGLE PHASE CIRCUIT BREAKER		Worl	eyPar	sons
	\neq^*	SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION	з	9 MELROSE BOULEV		CH,
	ŧ	THREE PHASE SWITCH		P.O. Box 61232, MA TEL: +27 (0) FAX: +27(0)	RSHALLTOWN, 2107)11 218 3000)11 218 3100 parsons.com	
	ŧ	THREE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)		WorleyParsons NAME	s RSA (Pty) Ltd. SIGNATURE	DATE
	ŧ	THREE PHASE SWITCH DISCONNECTOR	DRAWN BY: CHECKED:	S Bedasie T Meyer	Betssie Augu	28/09/15 02/10/15
	ŧ	THREE PHASE CIRCUIT BREAKER	DESIGNER:	C Brandsen W Snyman	Denter	28/09/15
	Ę	THREE PHASE CIRCUIT BREAKER FOR ISOLATION	PR ENG: PROJECT ENG	20050166 L Padayachee	July .	02/10/15
	÷	RCBO PROTECTION	MANAGER: LOCAL PR ENG:		\mathcal{N}	
			CLIENT:	CLI	ENT	
		CONDUCTOR LEGEND				
		1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS			MBIQUE	
		2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS		GAS DEVELOPM PROJ		
		3. 6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS		nac	ank	貫
		4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR		Moçambiqu	ue Área 1, Lda JECT	
		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	AM	A1 RESE VILL	ETTLEME AGE	ENT
				DRAWING D	ESCRIPTION	
				ettlement f Housing and Li	•	
			ORIC	indicated	DATE DECEMBE	
		<u>NOTE</u> : SEE DRAWING C00290-00-EL-DAL-0009,		O-00-EL-D	4L-0050	REV NO
		STAND NUMBER 249, 250, 251, 252, 253 & 254 FOR OVERVIEW		O DRAWING NU		
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		SMALL POWER LEGEND		
		SINGLE SOCKET OUTLET	4	2 X 26W COMPACT FLUORESCENT FL WHITE LAMPS. THE LUMINAIRES WILL
		DOUBLE SOCKET OUTLET		MOUNTING COMPLETE WITH 4M POLI THE LIGHT FITTING WILL BE EQUAL C
	Δ	VOIP DATA POINT		"POLE"AND LS122 "LIGHT" FROM RAD
	▲ ^{TV}	TV POINT	В	2 X 26W COMPACT FLUORESCENT RE HORIZONTALLY MOUNTED COOL WH
	(\mathbf{P})	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.	<u> </u>	6A PLUGTOP. THE FITTING WILL BE E
	•	LIGHT SWITCH	C	1X26W COMPACT FLUORESCENT WA
	2W	2-WAY LIGHT SWITCH	O	BULKHEAD LUMINAIRE WITH CAST AL (EQUAL OR BETTER THAN RADIANT T
		DISTRIBUTION BOARD		1 X 36W OPEN FLUORESCENT LUMIN LASCON TYPE RI/T-136-ELB)
	\Diamond	DOUBLE POLE ISOLATOR		1 X 36W WEATHER PROOF TO IP 55 F
		6U IT CABINET FOR VOIP		TRIPHOSPHOR LAMPS AND ECG
		50mm SLEEVE	E	2 X 36W OPEN FLUORESCENT LUMIN. LASCON TYPE RI/T-236-ELB)
		25mm CONDUIT	E)	2 X 36W WEATHER PROOF TO IP 55 F TRIPHOSPHOR LAMPS AND ECG
			F	1x18W COMPACT FLUORESCENT CEI WHITE LAMPS & ECG (EQUAL OR BET
			G	EQUAL OR BETTER THAN RADIANT TY 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
			\Diamond	DOUBLE POLE ISOLATOR
			PC	PHOTOCELL

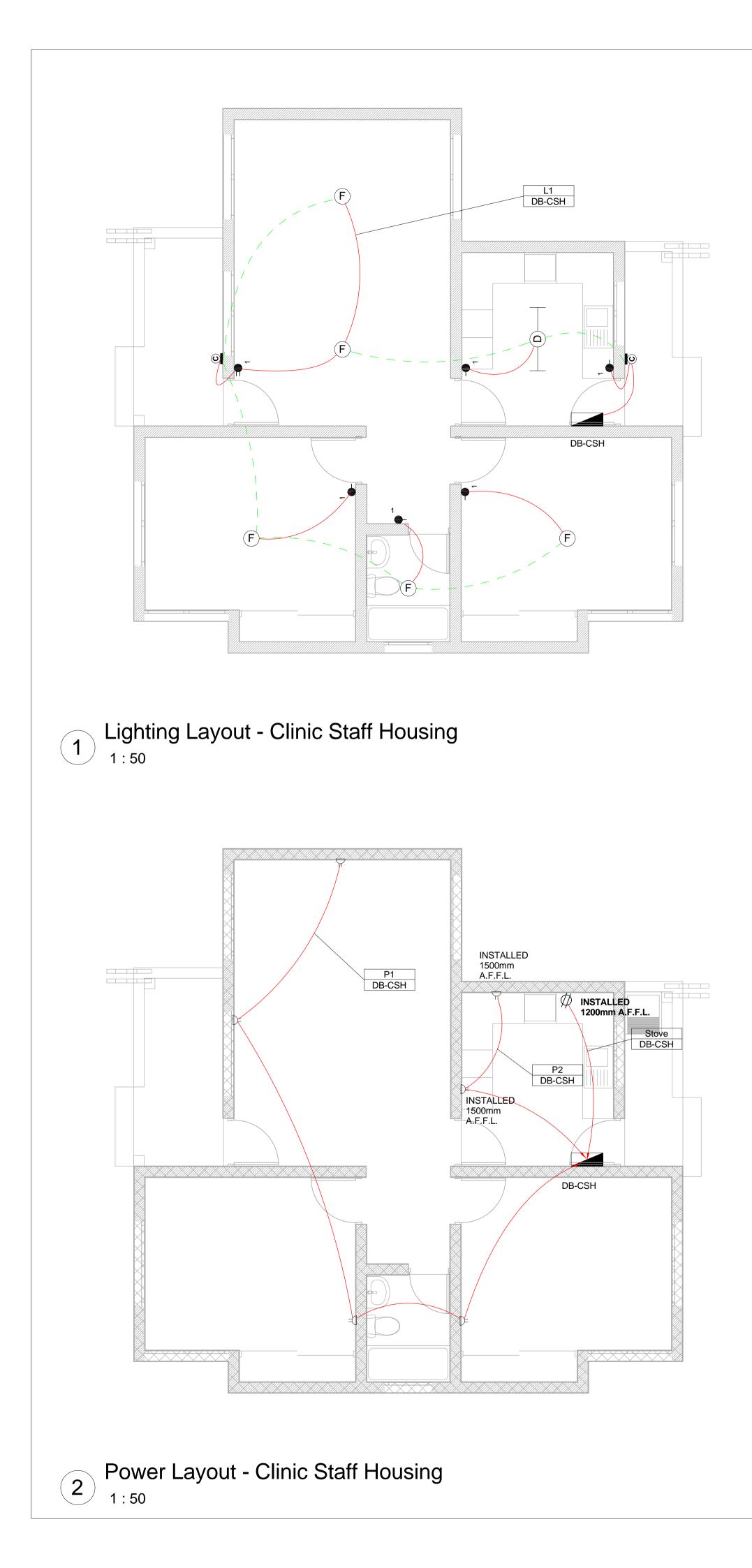
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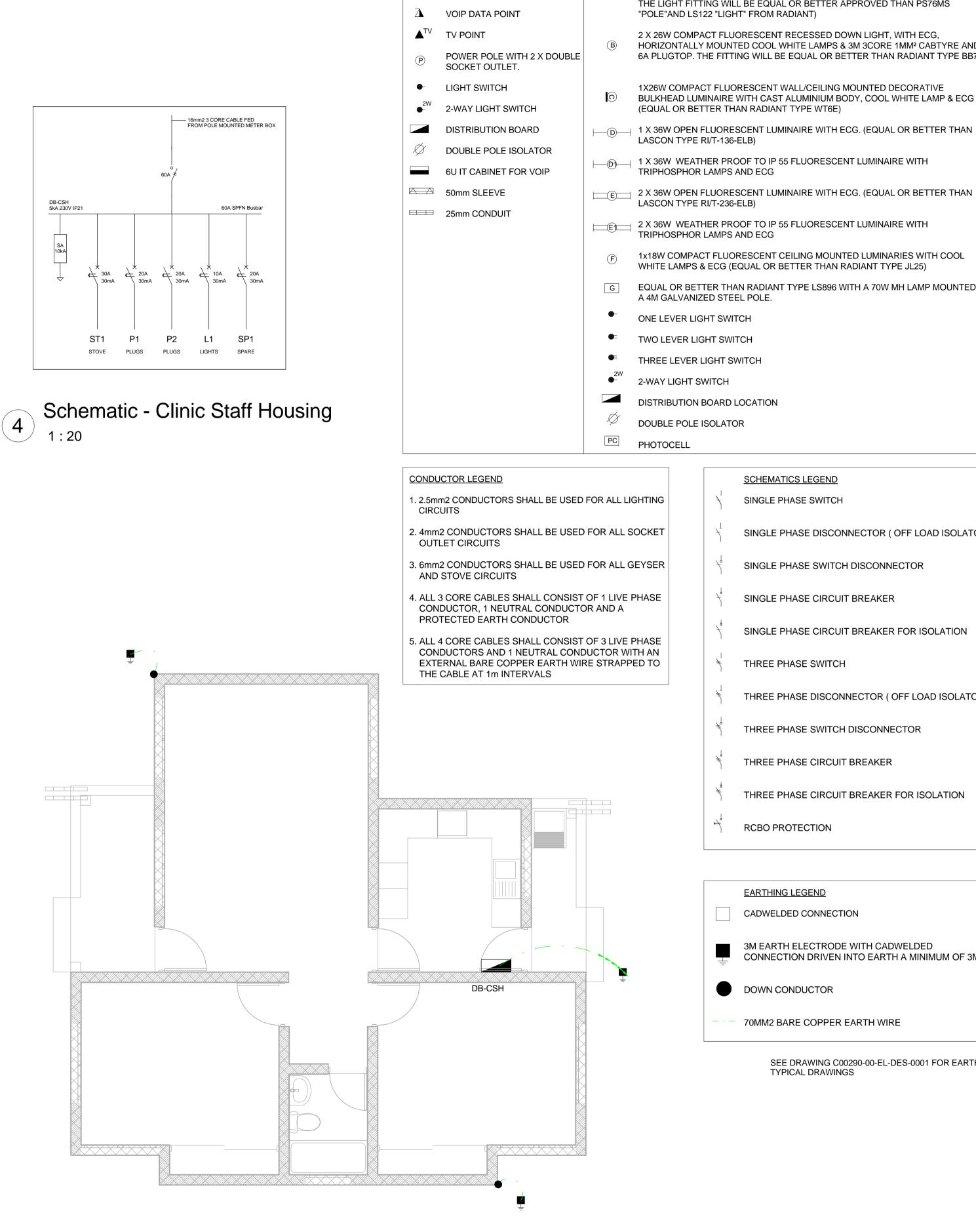
FROM POLE TOP BOX f.f.l. - 0.100 P1 DB-PSH P3 DB-PSH INSTALLED 1500mm A.F.F.L. \square DB-PSH NISTALLED AT 1200mm (A.F.F.L. **DB-PSH** 12m² $9m^2$ 30m² f.f.l. ± 0.000 10.5m² P2 DB-PSH f.f.l. - 0.100

2 Power Layout - Police Staff Housing

L1 DB-PSH

			0	SCALE F	OR RE	DUCED PLAN 30 40 50)
UORESCENT FLOOD LIGHT, WITH ECG &COOL	50mm ON ORIGINAL DRAWING						
JMINAIRES WILL BE SUITABLE FOR WALL &/OR POLE E WITH 4M POLE WHERE REQUIRED. (THE POLE AND ILL BE EQUAL OR BETTER APPROVED THAN PS76MS GHT" FROM RADIANT)	NOTES 1. ALL SOCKET OUTLETS TO BE MOUNTED AT 300mm ABOVE FFL.						
UORESCENT RECESSED DOWN LIGHT, WITH ECG, ITED COOL WHITE LAMPS & 3M 3CORE 1MM ² CABTYRE AND TING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74							
ORESCENT WALL/CEILING MOUNTED DECORATIVE E WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG HAN RADIANT TYPE WT6E)							
ESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN 6-ELB)							
ROOF TO IP 55 FLUORESCENT LUMINAIRE WITH						REFERENCE	
ESCENT LUMINAIRE WITH ECG. (EQUAL OR BETTER THAN 6-ELB)		90-00-E	L-DAI	NUMBER 0009)R-E02-000	07.01	Site Electrical Ret (Overview)	TION
ROOF TO IP 55 FLUORESCENT LUMINAIRE WITH	C002	90-00-E	L-DE	S-0001-002 S-0001-002 DR-E02-000	!	Typical Drawings S	Sheet 2
ORESCENT CEILING MOUNTED LUMINARIES WITH COOL (EQUAL OR BETTER THAN RADIANT TYPE JL25)							
AN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON EEL POLE.							
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/ITCH						UCTI	
SWITCH	Worle	yParson	s RSA gns an	retains the d/or docume	copyrigi ents pre	nt in all intellectual propared in terms of this a	oerty, appointment
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	discre	pancies	to the	Engineer.	21/10	c. IONS	pyright reserved
SCHEMATICS LEGEND	NO.	DATE	E	CHECKED			TION
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SINGLE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)	C D	02/10/	/15	TM TM	SB CB	Issued for Squa Issued for Clier	ad Check
SINGLE PHASE SWITCH DISCONNECTOR	E 0	17/11, 04/12		TM TM	CB SB	Issued for Clier	
SINGLE PHASE CIRCUIT BREAKER			8		rla		sone
SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION		Y					20112
THREE PHASE SWITCH		3	9 MEI	LROSE BO JOI . Box 61232 TEL: +	ULEVA HANNE 2, MAR 27 (0)1	RD, MELROSE ARC SBURG SHALLTOWN, 2107 1 218 3000 1 218 3100	СН,
THREE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)						arsons.com RSA (Pty) Ltd. SIGNATURE	DATE
THREE PHASE SWITCH DISCONNECTOR	DRAV	WN BY:	SB	edasie		Betosie	28/09/15
		CKED:	ТМ	eyer randsen		Huge	02/10/15 28/09/15
THREE PHASE CIRCUIT BREAKER	PRE		WS	Snyman 50166		Martin Martin	02/10/15
THREE PHASE CIRCUIT BREAKER FOR ISOLATION		AGER:	LPa	adayachee		Auty .	02/10/15
	CLIEI						
CONDUCTOR LEGEND					CLIE	NT	
1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS			N			BIQUE	1
2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS			074		PROJE		
 3. 6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS 4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE 						ark	贯
CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR					PROJ	e Área 1, Lda ECT	
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		AM	A1		_	TTLEME AGE	ENT
				DRAWIN	ig de	SCRIPTION	
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NOTE: SEE DRAWING C00290-00-EL-DAL-0009,	CC	As ORIG WING 0029	5 NU 0-(icated ^{DWG SIZE} MBER DO-EL RAWING	-DA	DATE DECEMBE L-0049	ER 2015 REV NO 0
STAND NUMBER 264 & 265 FOR OVERVIEW	EA	A-MZ	Z-C	10100)-VV(OR-E02-00	0105-01





SMALL POWER LEGEND

SINGLE SOCKET OUTLET

DOUBLE SOCKET OUTLET

 \bigtriangleup

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LIGHTING LEGEND

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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

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

1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINARIES WITH COOL

EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON

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

CADWELDED CONNECTION

3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M

70MM2 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

SCALE FOR REDUCED PLAN

50mm ON ORIGINAL DRAWING

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 C00290-00-EL-DAL-0009

REFERENCE DRAWING DESCRIPTION Site Electrical Reticulation – LV EA-MZ-CI0000-WOR-E02-00007-01 (Overview)

C00290-00-EL-DES-0001-001 Typical Drawings Sheet 1 EA-MZ-CI0000-WOR-E02-00027-01 C00290-00-EL-DES-0001-002 EA-MZ-CI0000-WOR-E02-00027-02 Typical Drawings Sheet 2

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Е	17/11/15	ТМ	CB	Issued for Client Approval			
0	04/12/15	TM	SB	Issued for Construction			

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FAX: +27(0)11 218 3100				
www.worleyparsons.com				
WorleyParsons RSA (Pty) Ltd.				
NAME	SIGNATURE	DATE		

DRAWN BY:	C Brandsen	Baba	29/09/15
CHECKED:	T Meyer	Augr	02/10/15
DESIGNER:	C Brandsen	Ale	28/09/15
PR ENG:	W Snyman 20050166	NG	02/10/15
PROJECT ENG MANAGER:	L Padayachee	July .	02/10/15
LOCAL PR ENG:			





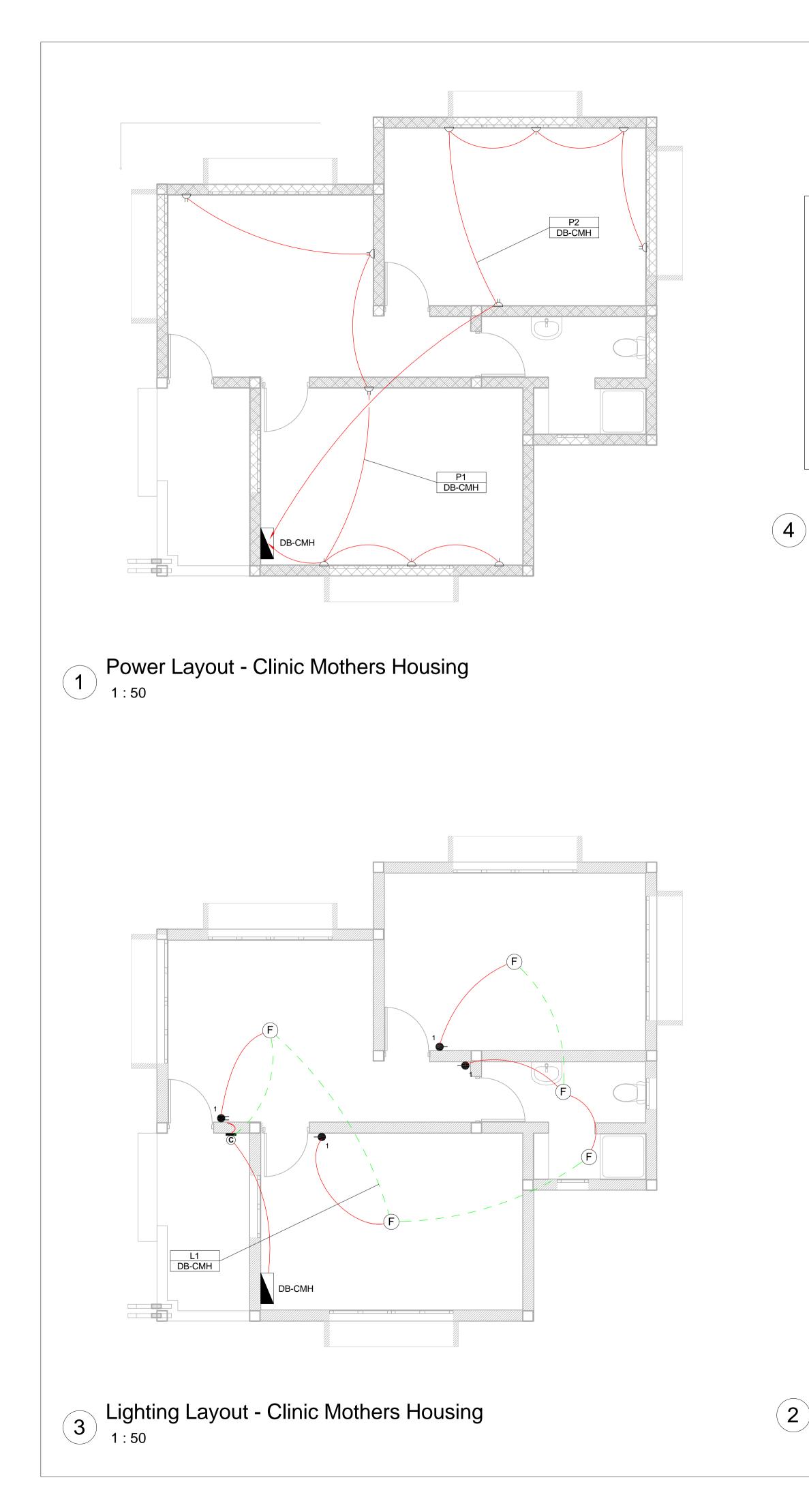
AMA1 RESETTLEMENT VILLAGE

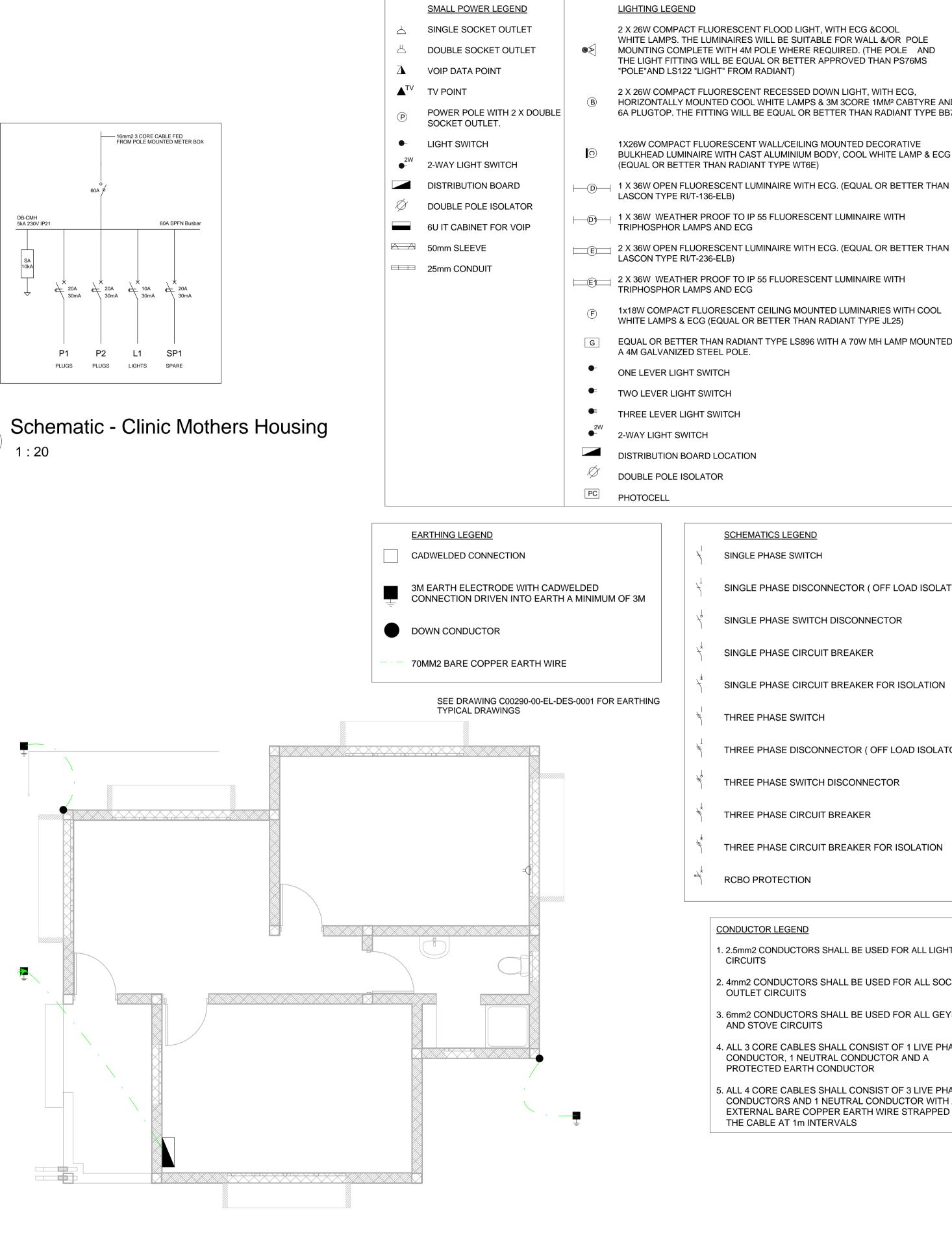
DRAWING DESCRIPTION

Resettlement Village Clinic Staff Housing Small Power and Lighting

SCALE	DATE	
As indicated	DECEMBER	2015
ORIGINAL DWG SIZE A1		
DRAWING NUMBER		REV NO
C00290-00-EL-DAL-0048 0		
000230 00 EE D/(U
ANADARKO DRAWING NUM	BER	
EA-MZ-CI0100-WC	DR-E02-001	04-01

CLIENT:





Earthing Layout - Clinic Mothers Housing 1:50

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

HORIZONTALLY MOUNTED COOL WHITE LAMPS & 3M 3CORE 1MM² CABTYRE AND 6A PLUGTOP. THE FITTING WILL BE EQUAL OR BETTER THAN RADIANT TYPE BB74

BULKHEAD LUMINAIRE WITH CAST ALUMINIUM BODY, COOL WHITE LAMP & ECG

1x18W COMPACT FLUORESCENT CEILING MOUNTED LUMINARIES WITH COOL

EQUAL OR BETTER THAN RADIANT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON

SINGLE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)

SINGLE PHASE SWITCH DISCONNECTOR

SINGLE PHASE CIRCUIT BREAKER

SINGLE PHASE CIRCUIT BREAKER FOR ISOLATION

THREE PHASE DISCONNECTOR (OFF LOAD ISOLATOR)

THREE PHASE SWITCH DISCONNECTOR

THREE PHASE CIRCUIT BREAKER

THREE PHASE CIRCUIT BREAKER FOR ISOLATION

1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING

2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET

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

SCALE FOR REDUCED PLAN

50mm ON ORIGINAL DRAWING

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

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

Worley Parsons

resources & energy

39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG P.O. Box 61232, MARSHALLTOWN, 2107 EL: +27 (0)11 218 3000 FAX: +27(0)11 218 3100 www.worleyparsons.com WorleyParsons RSA (Pty) Ltd. NAME SIGNATUR

NAME

CLIENT:

SIGNATURE DATE

DRAWN BY:	C Brandsen	Deta	29/09/15
CHECKED:	T Meyer	Augu	02/10/15
DESIGNER:	C Brandsen	Ala	28/09/15
PR ENG:	W Snyman 20050166	NG	02/10/15
PROJECT ENG MANAGER:	L Padayachee	July .	02/10/15
LOCAL PR ENG:			



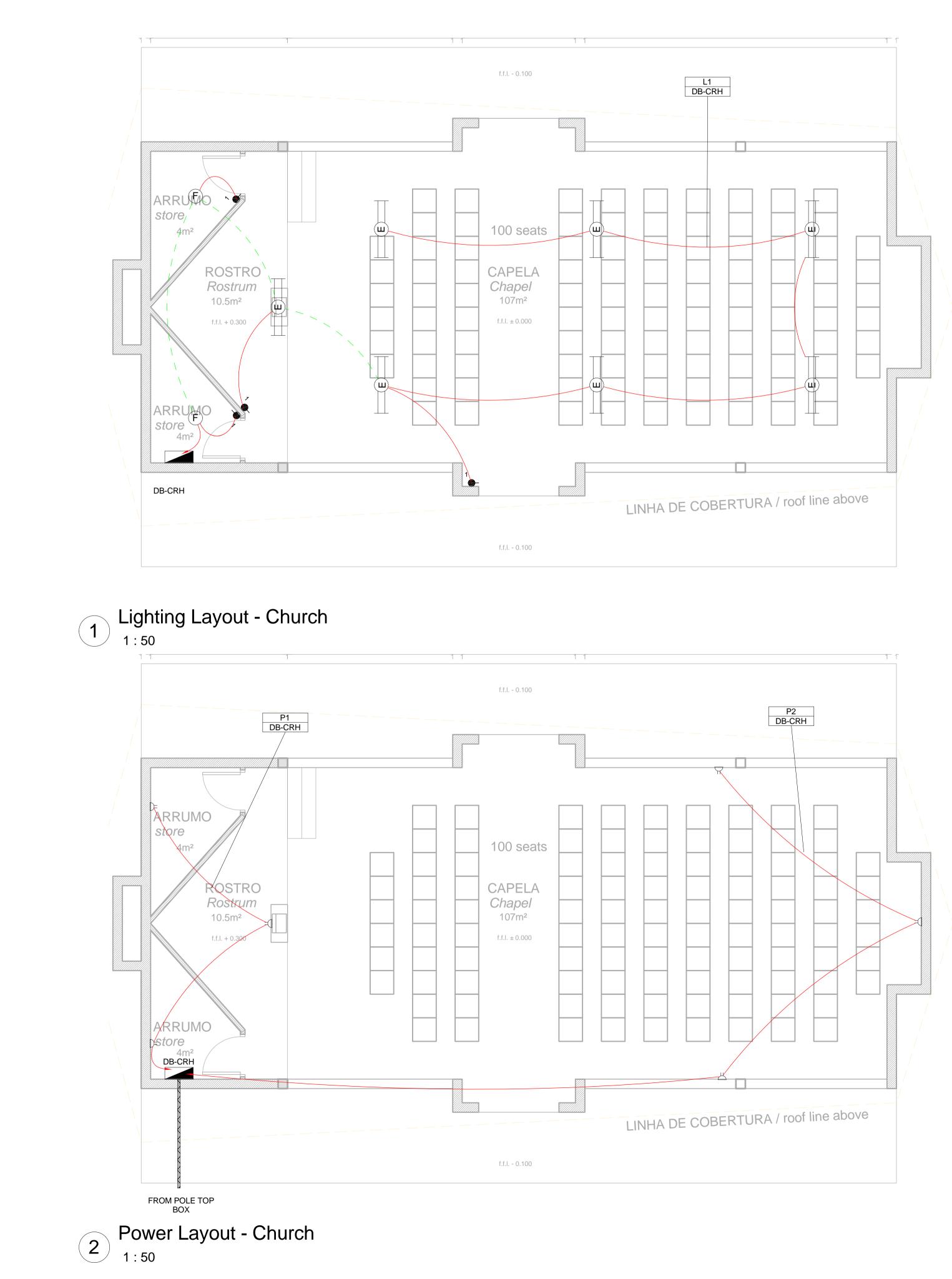


AMA1 RESETTLEMENT VILLAGE

DRAWING DESCRIPTION

Resettlement Village Clinic Mothers Housing Small Power and Lighting

SCALE	DATE	
As indicated	DECEMBER	2015
ORIGINAL DWG SIZE A1		
DRAWING NUMBER		REV NO
C00290-00-EL-DA	0	
ANADARKO DRAWING NUM	BER	
EA-MZ-CI0100-WC	DR-E02-001	03-01



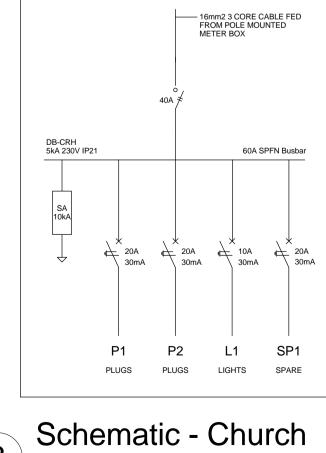
2 X 26W COMPACT FLUORESCENT FLOOD SINGLE SOCKET OUTLET \bigtriangleup WHITE LAMPS. THE LUMINAIRES WILL BE SI \square DOUBLE SOCKET OUTLET **∞**> MOUNTING COMPLETE WITH 4M POLE WHE THE LIGHT FITTING WILL BE EQUAL OR BET "POLE"AND LS122 "LIGHT" FROM RADIANT) ▲^{TV} TV POINT 2 X 26W COMPACT FLUORESCENT RECESS **B** HORIZONTALLY MOUNTED COOL WHITE LA POWER POLE WITH 2 X DOUBLE 6A PLUGTOP. THE FITTING WILL BE EQUAL (\mathbf{P}) SOCKET OUTLET. 1X26W COMPACT FLUORESCENT WALL/CEII LIGHT SWITCH \odot BULKHEAD LUMINAIRE WITH CAST ALUMINI (EQUAL OR BETTER THAN RADIANT TYPE W ●^{2W} 2-WAY LIGHT SWITCH D 1 X 36W OPEN FLUORESCENT LUMINAIRE V **DISTRIBUTION BOARD** LASCON TYPE RI/T-136-ELB) \bigotimes DOUBLE POLE ISOLATOR 6U IT CABINET FOR VOIP TRIPHOSPHOR LAMPS AND ECG 50mm SLEEVE LASCON TYPE RI/T-236-ELB) 25mm CONDUIT 2 X 36W WEATHER PROOF TO IP 55 FLUORE TRIPHOSPHOR LAMPS AND ECG 1x18W COMPACT FLUORESCENT CEILING N F WHITE LAMPS & ECG (EQUAL OR BETTER T G EQUAL OR BETTER THAN RADIANT TYPE LS A 4M GALVANIZED STEEL POLE. • ONE LEVER LIGHT SWITCH TWO LEVER LIGHT SWITCH ●≡ THREE LEVER LIGHT SWITCH ● 2-WAY LIGHT SWITCH DISTRIBUTION BOARD LOCATION \bigotimes DOUBLE POLE ISOLATOR PC PHOTOCELL

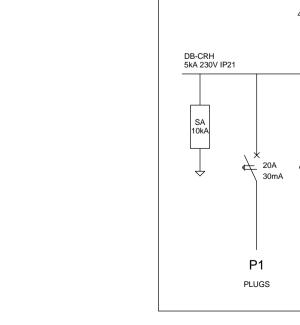
LIGHTING LEGEND

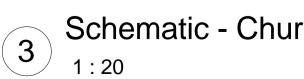
SMALL POWER LEGEND

- 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 LEGE
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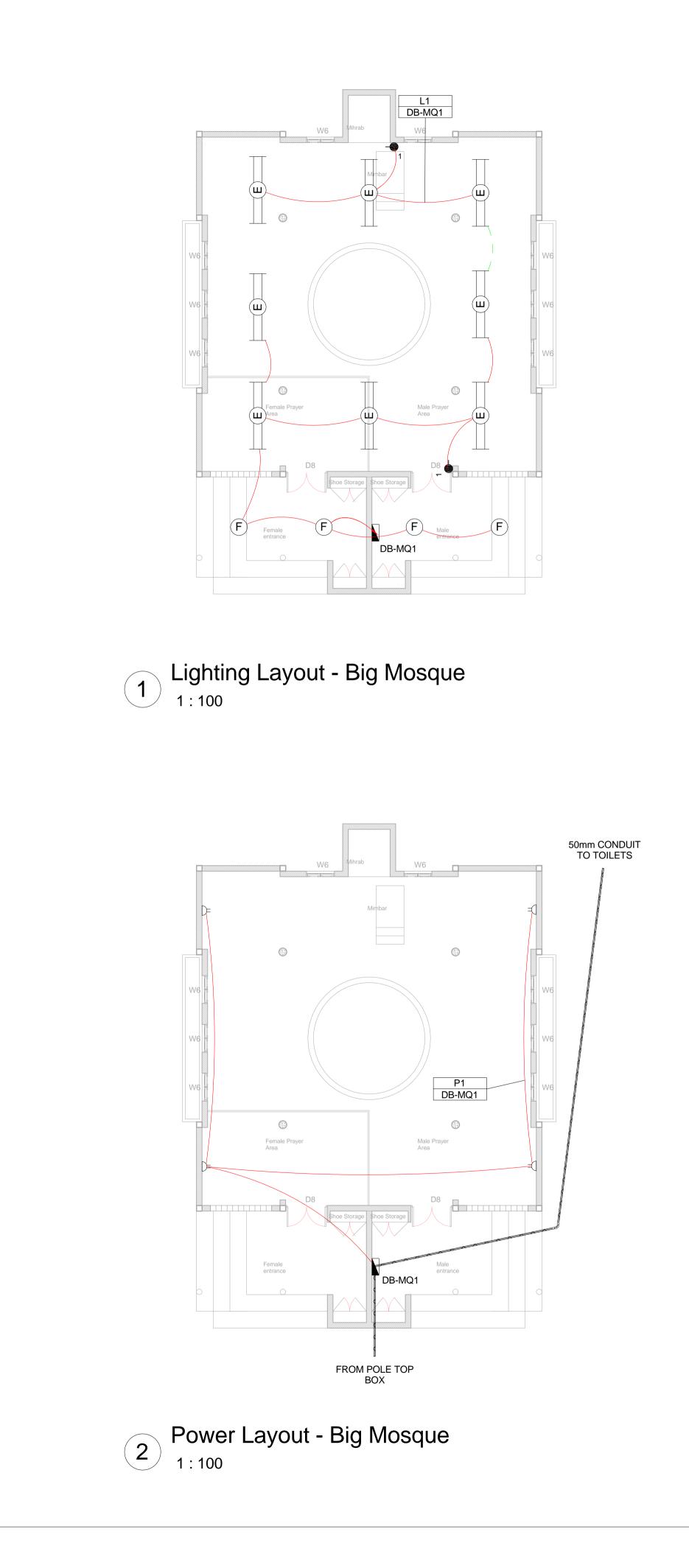






FLOOD LIGHT, WITH ECG &COOL		50mm ON OF		-
ILL BE SUITABLE FOR WALL &/OR POLE DLE WHERE REQUIRED. (THE POLE AND . OR BETTER APPROVED THAN PS76MS ADIANT)			DTES TS TO BE MOUNT	ED AT
RECESSED DOWN LIGHT, WITH ECG, HITE LAMPS & 3M 3CORE 1MM ² CABTYRE AND EQUAL OR BETTER THAN RADIANT TYPE BB74				
VALL/CEILING MOUNTED DECORATIVE ALUMINIUM BODY, COOL WHITE LAMP & ECG TYPE WT6E)				
INAIRE WITH ECG. (EQUAL OR BETTER THAN				
5 FLUORESCENT LUMINAIRE WITH				
NAIRE WITH ECG. (EQUAL OR BETTER THAN	С00290-00-Е		REFERENCE DESCR Site Electrical Re	IPTION
5 FLUORESCENT LUMINAIRE WITH	C00290-00-E	00-WOR-E02-00007 EL-DES-0001-002 00-WOR-E02-00027	Typical Drawings	Sheet 2
EILING MOUNTED LUMINARIES WITH COOL ETTER THAN RADIANT TYPE JL25)				
TYPE LS896 WITH A 70W MH LAMP MOUNTED ON				
	WorleyParsor including desi for the project and/or docum only subject to other purpose paid for constitutes All dimensions	DNST igns and/or documents t covered by the appoint t covered by the appoint to payment for the desise a, whether or not the desise a, whether or not the desise a minfringement of const to the Engineer.		ODN operty, s appointment ise the designs on this project . Use for any have been reserved.
ICS LEGEND	NO. DAT	9/15 TM	SB Issued for Pe	er Review
HASE SWITCH	B 28/09 C 02/10 D 09/10)/15 TM	SB Issued for De SB Issued for Sq CB Issued for Clie	uad Check
HASE DISCONNECTOR (OFF LOAD ISOLATOR)	E 26/11 0 04/12	I/15 TM	CB Issued for Cli SB Issued for Co	ent Approval
HASE SWITCH DISCONNECTOR				
HASE CIRCUIT BREAKER		Wor	leyPar	sons
HASE CIRCUIT BREAKER FOR ISOLATION	3	39 MELROSE BOUL	S & energy EVARD, MELROSE AF	RCH,
HASE SWITCH		P.O. Box 61232, M TEL: +27 FAX: +27 www.wor	NNESBURG MARSHALLTOWN, 210 (0)11 218 3000 7(0)11 218 3100 Heyparsons.com ons RSA (Pty) Ltd.	7
HASE DISCONNECTOR (OFF LOAD ISOLATOR)	DRAWN BY:	NAME S Bedasie	SIGNATURE Bethsie	DATE 28/09/15
HASE SWITCH DISCONNECTOR	CHECKED:	T Meyer	Augu	02/10/15
HASE CIRCUIT BREAKER	DESIGNER:	C Brandsen W Snyman	Dada	28/09/15
HASE CIRCUIT BREAKER FOR ISOLATION	PR ENG: PROJECT ENG	20050166	tite.	02/10/15
OTECTION	MANAGER: LOCAL PR ENG:		Mind	02/10/13
	CLIENT:	C		
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	AM	IA1 RES	SETTLEM LAGE	ENT
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	ORIO DRAWING C0029 ANADARI	s indicated GINAL DWG SIZE A G NUMBER 90-00-EL-E KO DRAWING N Z-CI0100-	DAL-0046	REV NO

SCALE FOR REDUCED PLAN



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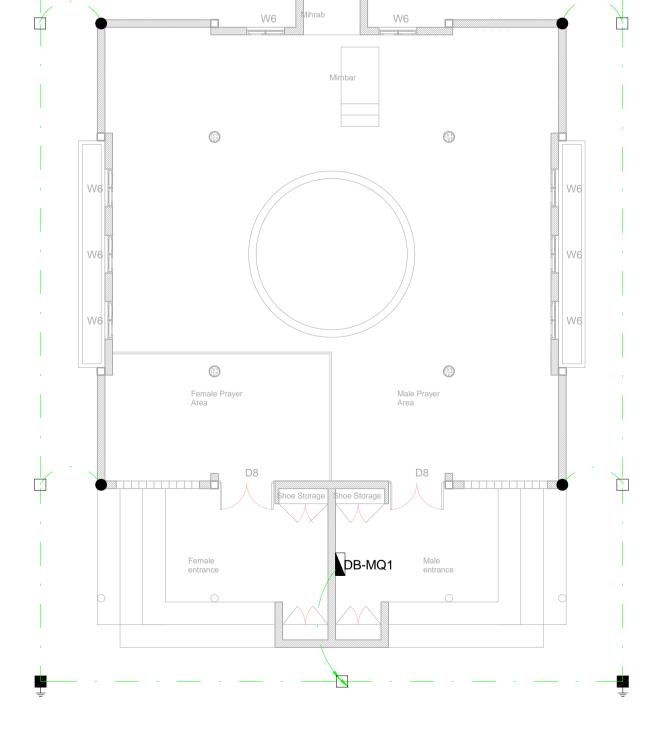
DB-MQ1 5kA 230V IP21

10k

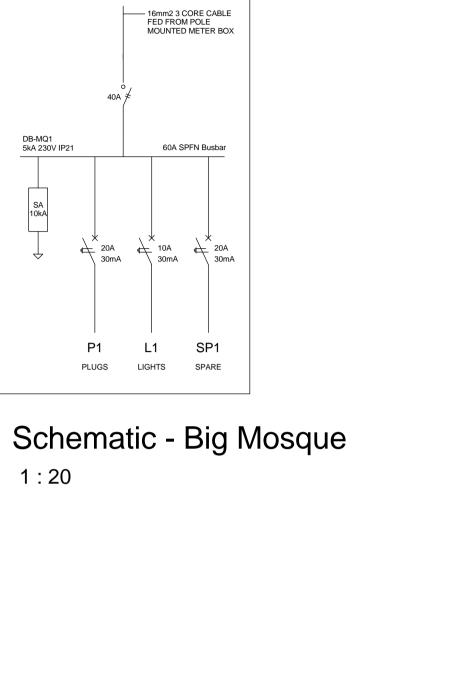
1:20

P1

Earthing Layout - Big Mosque 4 1:100



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



	SMALL POWER LEGEND		LIGHTING LEGEND
5	SINGLE SOCKET OUTLET		2 X 26W COMPACT FLUORESCENT FLO WHITE LAMPS. THE LUMINAIRES WILL E
5	DOUBLE SOCKET OUTLET		MOUNTING COMPLETE WITH 4M POLE THE LIGHT FITTING WILL BE EQUAL OR
	VOIP DATA POINT		"POLE"AND LS122 "LIGHT" FROM RADIA
τv	TV POINT	B	2 X 26W COMPACT FLUORESCENT REC HORIZONTALLY MOUNTED COOL WHIT
P	POWER POLE WITH 2 X DOUBLE SOCKET OUTLET.		6A PLUGTOP. THE FITTING WILL BE EQU
	LIGHT SWITCH	O	1X26W COMPACT FLUORESCENT WALL BULKHEAD LUMINAIRE WITH CAST ALU
2W	2-WAY LIGHT SWITCH		(EQUAL OR BETTER THAN RADIANT TYI
	DISTRIBUTION BOARD		1 X 36W OPEN FLUORESCENT LUMINAI LASCON TYPE RI/T-136-ELB)
8	DOUBLE POLE ISOLATOR		1 X 36W WEATHER PROOF TO IP 55 FL
	6U IT CABINET FOR VOIP		TRIPHOSPHOR LAMPS AND ECG
	50mm SLEEVE	E	2 X 36W OPEN FLUORESCENT LUMINAI LASCON TYPE RI/T-236-ELB)
	25mm CONDUIT	E)	2 X 36W WEATHER PROOF TO IP 55 FLI TRIPHOSPHOR LAMPS AND ECG
		F	1x18W COMPACT FLUORESCENT CEILI WHITE LAMPS & ECG (EQUAL OR BETTE
		G	EQUAL OR BETTER THAN RADIANT TYP 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
		Ø	DOUBLE POLE ISOLATOR
		I	

PHOTOCELL

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OOD LIGHT, WITH ECG &COOL BE SUITABLE FOR WALL &/OR POLE WHERE REQUIRED. (THE POLE AND R BETTER APPROVED THAN PS76MS IANT)

ECESSED DOWN LIGHT, WITH ECG, ITE LAMPS & 3M 3CORE 1MM² CABTYRE AND QUAL OR BETTER THAN RADIANT TYPE BB74

LL/CEILING MOUNTED DECORATIVE UMINIUM BODY, COOL WHITE LAMP & ECG YPE WT6E)

AIRE WITH ECG. (EQUAL OR BETTER THAN

LUORESCENT LUMINAIRE WITH

AIRE WITH ECG. (EQUAL OR BETTER THAN

LUORESCENT LUMINAIRE WITH

LING MOUNTED LUMINARIES WITH COOL TER THAN RADIANT TYPE JL25)

YPE LS896 WITH A 70W MH LAMP MOUNTED ON

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

SCALE FOR REDUCED PLAN

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 REFERENCE DRAWING

DRAWING NUMBER DESCRIPTION C00290-00-EL-DAL-0009 Site Electrical Reticulation – LV EA-MZ-CI0000-WOR-E02-00007-01 (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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for constitutes an infringement of copyright, and all rights are reserved. All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer. Copyright reserved

	REVISIONS						
NO.	DATE	CHECKED	DONE BY	DESCRIPTION			
Α	28/09/15	ТМ	SB	Issued for Peer Review			
В	28/09/15	ТМ	SB	Issued for Detailed Design			
С	02/10/15	ТМ	SB	Issued for Squad Check			
D	09/10/15	ТМ	CB	Issued for Client Review			
Е	26/11/15	ТМ	CB	Issued for Client Approval			
0	04/12/15	TM	SB	Issued for Construction			

WorleyParsons

resources & energy

39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG P.O. Box 61232, MARSHALLTOWN, 2107 +27 (0)11 218 3000 FAX: +27(0)11 218 3100 www.worleyparsons.com WorleyParsons RSA (Pty) Ltd. NAME SIGNATURE DATE

DRAWN BY: S Bedasie

Belogie

28/09/15

CHECKED:	T Meyer	Augu	02/10/15
DESIGNER:	C Brandsen	Baba	28/09/15
PR ENG:	W Snyman 20050166	NG	02/10/15
PROJECT ENG MANAGER:	L Padayachee	July .	02/10/15
LOCAL PR ENG:			
CLIENT:			



CLIENT

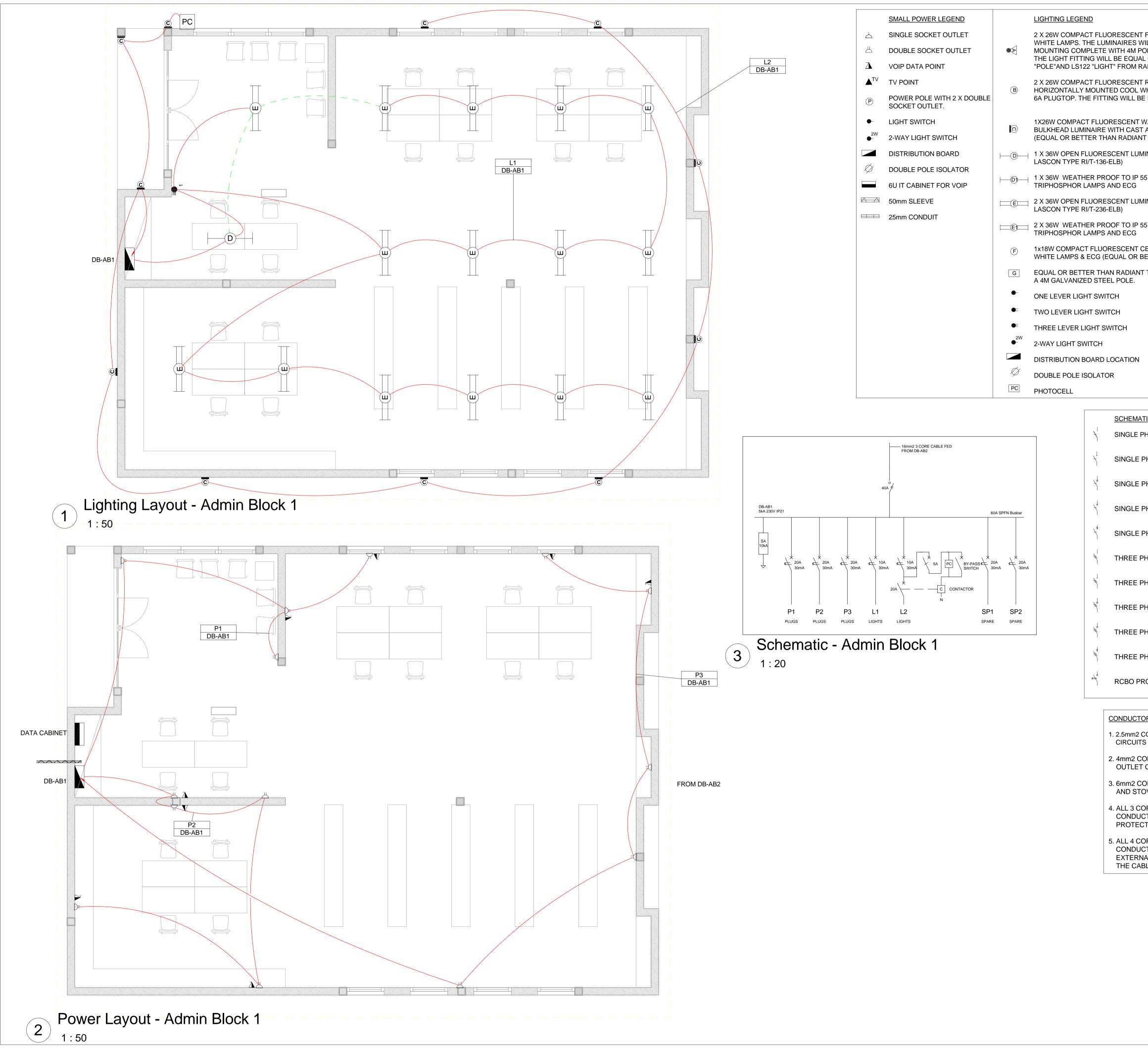


AMA1 RESETTLEMENT VILLAGE

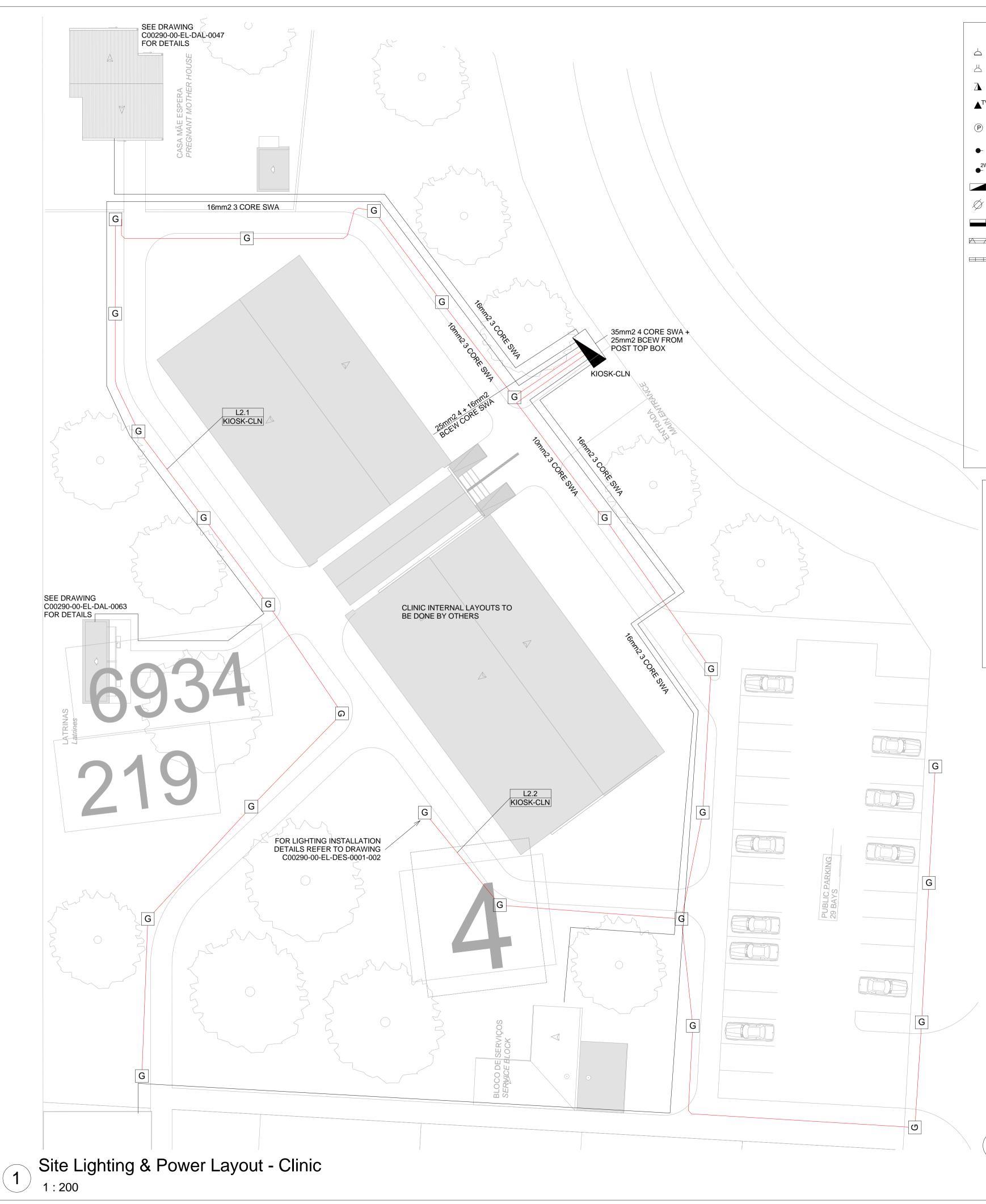
DRAWING DESCRIPTION

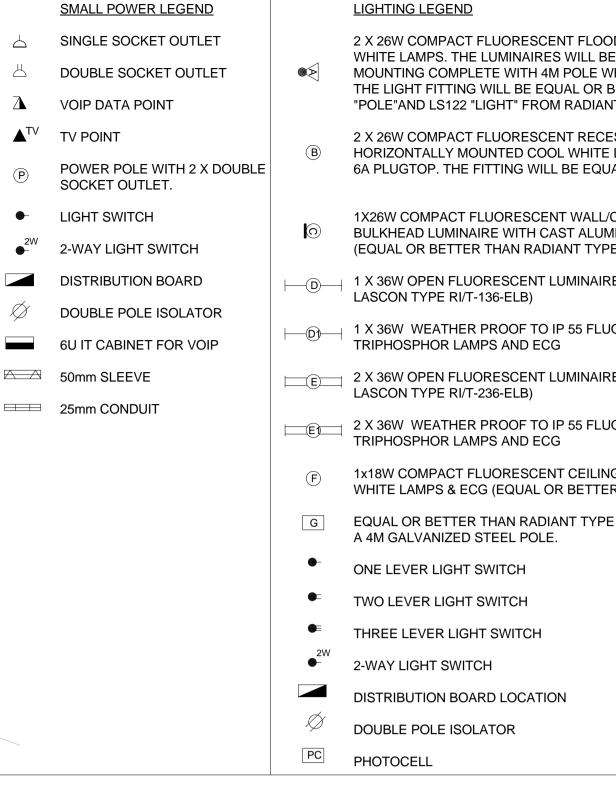
Resettlement Village Big Mosque Small Power and Lighting

SCALE	DATE	
As indicated	DECEMBER	2015
ORIGINAL DWG SIZE A1		
DRAWING NUMBER	·	REV NO
C00290-00-EL-DAL-0045		
C00290-00-EL-DA	L-0045	0
C00290-00-EL-DA ANADARKO DRAWING NUM		0



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			0			DUCED PLAN 30 40 50	D	
T FLOOD LIGHT, WITH ECG &COOL WILL BE SUITABLE FOR WALL &/OR POLE								
POLE WHERE REQUIRED. (THE POLE AND AL OR BETTER APPROVED THAN PS76MS RADIANT)	1.	ALL SO	DCK			ES	ED AT	
T RECESSED DOWN LIGHT, WITH ECG, WHITE LAMPS & 3M 3CORE 1MM ² CABTYRE AND 3E EQUAL OR BETTER THAN RADIANT TYPE BB74				/E FFL				
WALL/CEILING MOUNTED DECORATIVE T ALUMINIUM BODY, COOL WHITE LAMP & ECG NT TYPE WT6E)								
MINAIRE WITH ECG. (EQUAL OR BETTER THAN								
55 FLUORESCENT LUMINAIRE WITH								
MINAIRE WITH ECG. (EQUAL OR BETTER THAN	<u> </u>	DRAW 90-00-E		NUMBER		REFERENCE DESCRIP	TION	_
55 FLUORESCENT LUMINAIRE WITH	EA-M C002	IZ-CI000 90-00-E	0-WC DAL	R-E02-0000		Site Electrical Ret (Overview) Admin Block 2 Smi		
CEILING MOUNTED LUMINARIES WITH COOL	C002	90-00-E	L-DES	0R-E02-0043 S-0001-002 0R-E02-0002		Lighting Typical Drawings S	Sheet 2	_
BETTER THAN RADIANT TYPE JL25)								
IT TYPE LS896 WITH A 70W MH LAMP MOUNTED ON								_
	World includ for th and/c only s other paid for cc	eyParson ding desig e project or docume subject to purpose, onstitutes nensions	S RSA ons and covere ents fo paym wheth an infr must	retains the c d/or document ad by the app r the sole pui ent for the de ner or not the ringement of	opyrigh hts prep ointmer pose o ssign ha design copyrig	t in all intellectual proportion of the client may use of their intended use or ving been received. I and/or documents hat ht, and all rights are refore the works comm	perty, appointment e the designs n this project Use for any ave been eserved.	
			_		VIS done	ONS		_
ATICS LEGEND PHASE SWITCH	NO. A	DATE 03/08/	/15		вү SB	Issued for Peer	r Review	_
PHASE DISCONNECTOR (OFF LOAD ISOLATOR)	B C D	28/09/ 02/10/ 09/10/	/15	TM TM TM	SB SB CB	Issued for Deta Issued for Squa Issued for Clier	ad Check	-
PHASE SWITCH DISCONNECTOR	E 0	06/11/ 04/12/		TM TM	SB SB	Issued for Clier Issued for Con		-
PHASE CIRCUIT BREAKER								_
PHASE CIRCUIT BREAKER FOR ISOLATION		<u>N</u>					sons	Ì
PHASE SWITCH		3	9 MEL	ROSE BOU	JLEVAI	RD, MELROSE ARC SBURG SHALLTOWN, 2107	CH,	
				TEL: +2 FAX: +2 www.w	27 (0)1 27(0)1 orleypa	1 218 3000 I 218 3100 Irsons.com RSA (Pty) Ltd.		
PHASE DISCONNECTOR (OFF LOAD ISOLATOR)	DRA	WN BY:	S Be	NAME		SIGNATURE	DATE 31/07/15	-
PHASE SWITCH DISCONNECTOR	CHE	CKED:	ТМ	eyer		Augr	02/10/15	_
PHASE CIRCUIT BREAKER		GNER:	_	randsen		Data	28/09/15	_
PHASE CIRCUIT BREAKER FOR ISOLATION	PR E PRO ENG	JECT	20050166			At.	02/10/15	
ROTECTION	MAN	AGER: AL PR				Jung	02/10/13	
	CLIE							
OR LEGEND					CLIÈ	NT		
CONDUCTORS SHALL BE USED FOR ALL LIGHTING TS			N	ioz/	AN	IBIQUE		
CONDUCTORS SHALL BE USED FOR ALL SOCKET T CIRCUITS			GAS	5 DEVELC P	ROJE			
CONDUCTORS SHALL BE USED FOR ALL GEYSER							中	-
CORE CABLES SHALL CONSIST OF 1 LIVE PHASE JCTOR, 1 NEUTRAL CONDUCTOR AND A CTED EARTH CONDUCTOR				Moçamb		Área 1, Lda		
CORE CABLES SHALL CONSIST OF 3 LIVE PHASE JCTORS AND 1 NEUTRAL CONDUCTOR WITH AN NAL BARE COPPER EARTH WIRE STRAPPED TO ABLE AT 1m INTERVALS		AM	A1	RE	SE	TTLEME AGE	ENT	
				DRAWIN	G DE	SCRIPTION		_
				1 Sn	nal	/illage A I Power ting		
<u>NOTE</u> : SEE DRAWING C00290-00-EL-DAL-0009, STAND NUMBER 243 FOR OVERVIEW	C	As ORIG AWING 0029 ADARK	INAL NUI 0-0	00-EL- RAWING	DA NUM	DATE DECEMBE L-0030 BER	ER 2015 REV NO 0	
	EA	A-M∠	Z-C	10100	-WC	DR-E02-00	0430-01	-





 CONDUCTOR LEGEND
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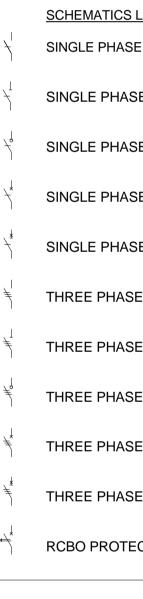
 1. 2.5mm2 CONDUCTORS SHALL BE USED FOR ALL LIGHTING CIRCUITS
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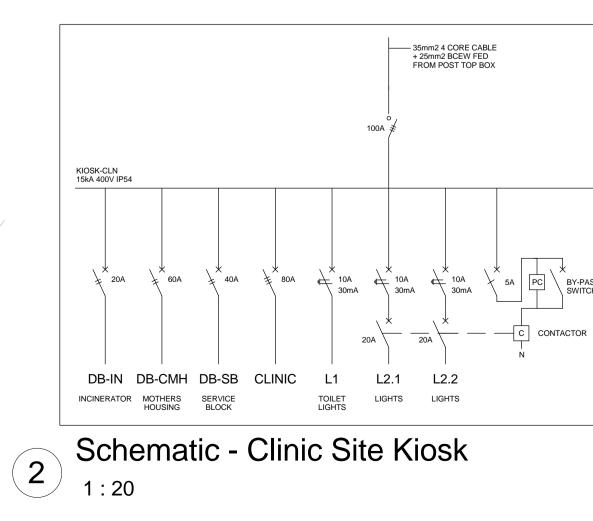
 2. 4mm2 CONDUCTORS SHALL BE USED FOR ALL SOCKET OUTLET CIRCUITS
 SI

 3. 6mm2 CONDUCTORS SHALL BE USED FOR ALL GEYSER AND STOVE CIRCUITS
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 4. ALL 3 CORE CABLES SHALL CONSIST OF 1 LIVE PHASE CONDUCTOR, 1 NEUTRAL CONDUCTOR AND A PROTECTED EARTH CONDUCTOR
 SI

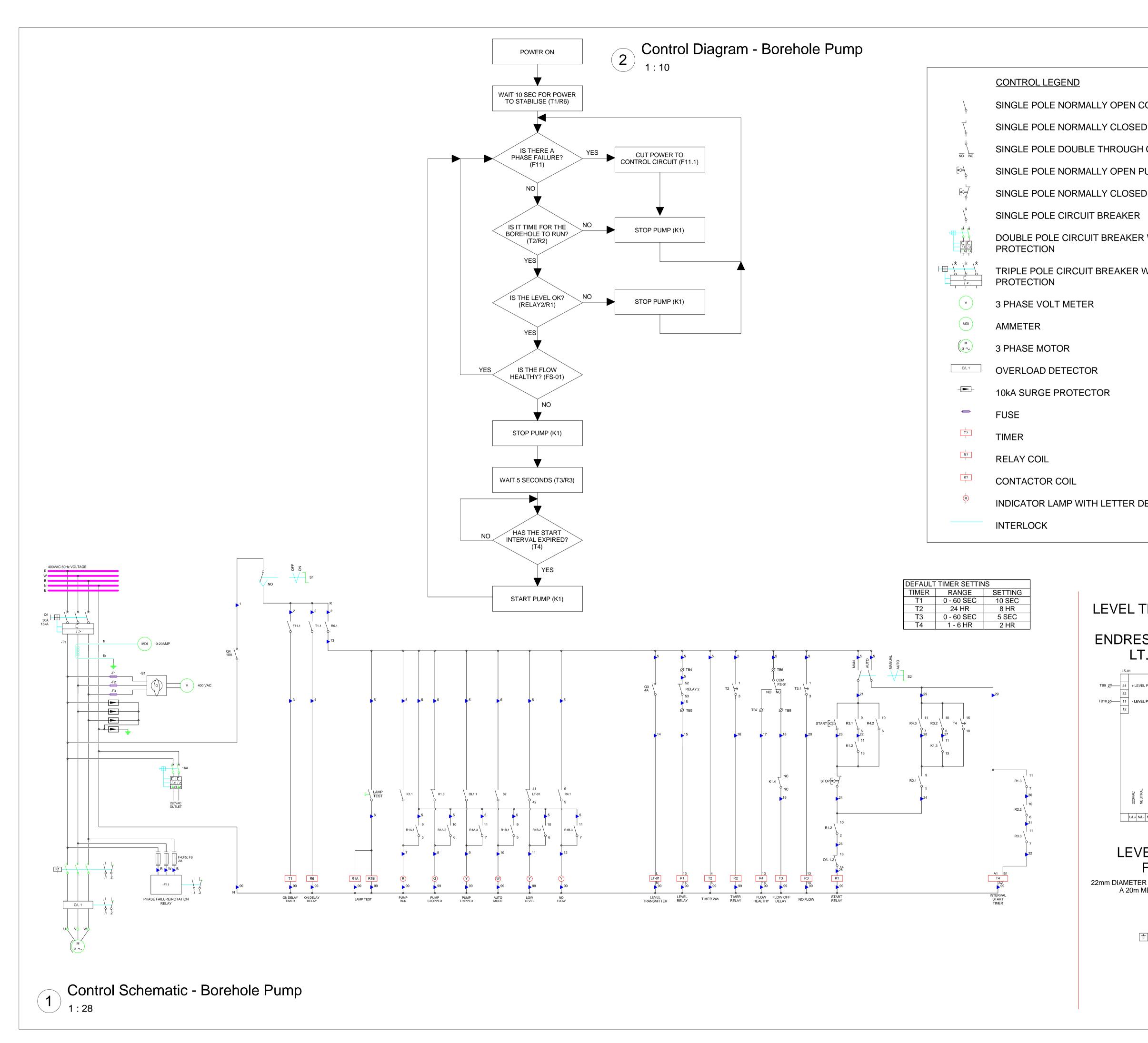
 5. ALL 4 CORE CABLES SHALL CONSIST OF 3 LIVE PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR WITH AN EXTERNAL BARE COPPER EARTH WIRE STRAPPED TO THE CABLE AT 1m INTERVALS
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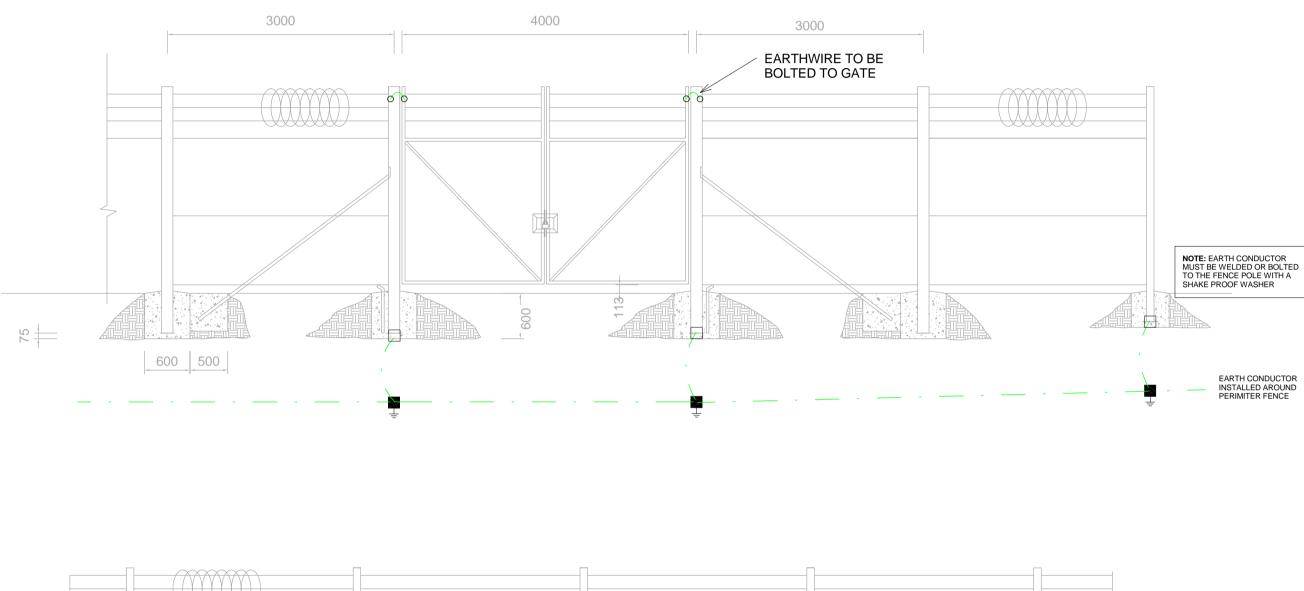


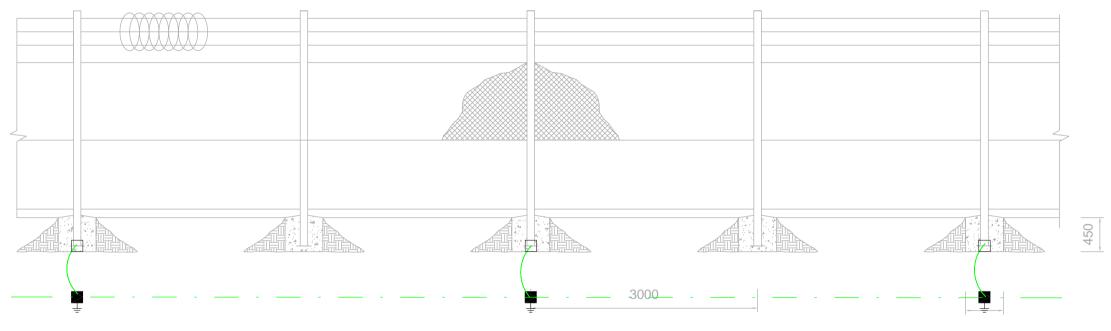
D LIGHT, WITH ECG &COOL SUITABLE FOR WALL &/OR POLE HERE REQUIRED. (THE POLE AND	50mm ON ORIGINAL DRAW	
ETTER APPROVED THAN PS76MS	1. POWER CABLES SHALL BE BURIE AT A MINIMUM OF 600mm BELOW G	
T) SSED DOWN LIGHT, WITH ECG, LAMPS & 3M 3CORE 1MM² CABTYRE AND	2. WHERE POWER CABLES ARE BU A ROAD CROSSING OR PATHWAY, 2 SLEEVES SHALL BE INSTALLED	RIED BELOW
AL OR BETTER THAN RADIANT TYPE BB74	3. WHERE SPECIFIED ON THE DRAV CONDUITS/SLEEVES SHALL BE INS	
CEILING MOUNTED DECORATIVE INIUM BODY, COOL WHITE LAMP & ECG E WT6E)		
E WITH ECG. (EQUAL OR BETTER THAN		
DRESCENT LUMINAIRE WITH		RENCE DRAWING
WITH ECG. (EQUAL OR BETTER THAN	EA-MZ-CI0000-WOR-E02-00007-01 (Overview	ical Reticulation – LV) hers Housing Small
RESCENT LUMINAIRE WITH	EA-MZ-CI0100-WOR-E02-00103-01 Power and	lets Lighting Layout
MOUNTED LUMINARIES WITH COOL THAN RADIANT TYPE JL25)	C00290-00-EL-DES-0001-002	awings Sheet 2
LS896 WITH A 70W MH LAMP MOUNTED ON		
	ISSUED F	OR
	CONSTRUC	TION
	WorleyParsons RSA retains the copyright in all intelle including designs and/or documents prepared in term for the project covered by the appointment. The clien and/or documents for the sole purpose of their intend	is of this appointment it may use the designs ed use on this project
	only subject to payment for the design having been re other purpose, whether or not the design and/or docu paid for constitutes an infringement of copyright, and all rig	eceived. Use for any iments have been
	All dimensions must be verified on site before the wor discrepancies to the Engineer.	ks commence. Refer any Copyright reserved
	REVISIONS NO. DATE CHECKED DONE BY D	ESCRIPTION
<u>GEND</u> SWITCH	A 16/10/15 TM CB Issued f	or Peer Review or Detailed Design
DISCONNECTOR (OFF LOAD ISOLATOR)	C 21/10/15 TM SB Issued f D 23/10/15 TM CB Issued f	or Squad Check or Client Review or Client Approval
SWITCH DISCONNECTOR		or Construction
CIRCUIT BREAKER	WorleyP resources & energy	
CIRCUIT BREAKER FOR ISOLATION	39 MELROSE BOULEVARD, MELRO JOHANNESBURG P.O. Box 61232, MARSHALLTOW	DSE ARCH,
SWITCH	TEL: +27 (0)11 218 3000 FAX: +27(0)11 218 3100 www.worleyparsons.com WorleyParsons RSA (Pty) Lt	
DISCONNECTOR (OFF LOAD ISOLATOR)	DRAWN BY: C Brandsen	
SWITCH DISCONNECTOR	CHECKED: T Meyer	21/10/15
CIRCUIT BREAKER	DESIGNER: C Brandsen	21/10/15
CIRCUIT BREAKER FOR ISOLATION	PROJECT ENG L Padayachee	21/10/15 <u>-</u> 21/10/15
	MANAGER: //	
FION		
ΤΙΟΝ	CLIENT: CLIENT	
TION		
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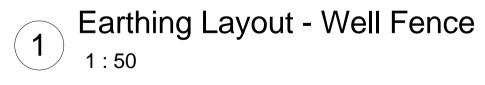
SCALE FOR REDUCED PLAN

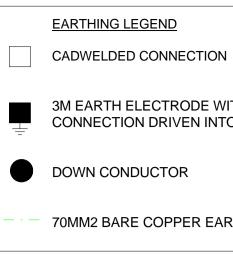


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3M EARTH ELECTRODE WITH CADWELDED CONNECTION DRIVEN INTO EARTH A MINIMUM OF 3M

70MM2 BARE COPPER EARTH WIRE

SCALE FOR REDUCED PLAN

50mm ON ORIGINAL DRAWING

NOTES

1. BARE COPPER EARTH WIRE INSTALLED 1.5M FROM FENCE AND 0.6M BELOW FINISHED GROUND LEVEL.

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

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

ISSUED FOR CONSTRUCTION

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for constitutes an infringement of copyright, and all rights are reserved. All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer. Copyright reserved

	REVISIONS								
NO.	DATE	CHECKED	DONE BY	DESCRIPTION					
Α	28/09/15	ТМ	SB	Issued for Peer Review					
В	28/09/15	ТМ	SB	Issued for Detailed Design					
С	14/10/15	ТМ	SB	Issued for Squad Check					
D	16/10/15	TM	CB	Issued for Client Review					
Е	17/11/15	TM	CB	Issued for Client Approval					
0	04/12/15	ТМ	SB	Issued for Construction					

WorleyParsons

resources & energy

CLIENT:

39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG							
P.O. Box 61232, MARSHALLTOWN, 2107							
	TEL: +27 (0)						
		11 218 3100					
		parsons.com					
	WorleyParsons	RSA (Pty) Ltd.					
	NAME	SIGNATURE	DATE				
DRAWN BY:	C Brandsen	Dela	10/09/15				
CHECKED:	T Meyer	Augu	02/10/15				
DESIGNER:	C Brandsen	Dela	02/10/15				

PR ENG:	W Snyman 20050166	NG-	02/10/15
PROJECT ENG MANAGER:	L Padayachee	July .	02/10/15
LOCAL PR ENG:			



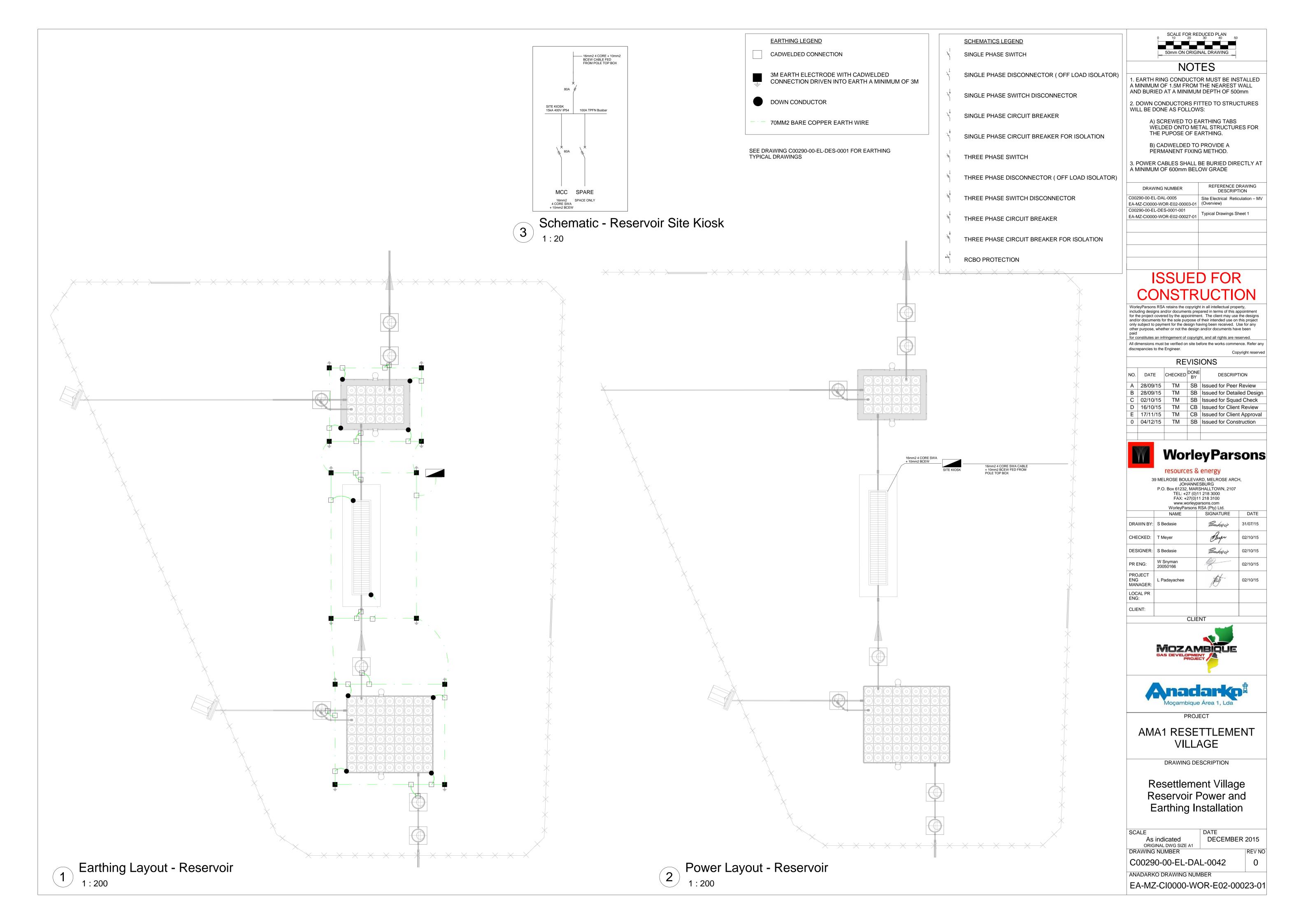


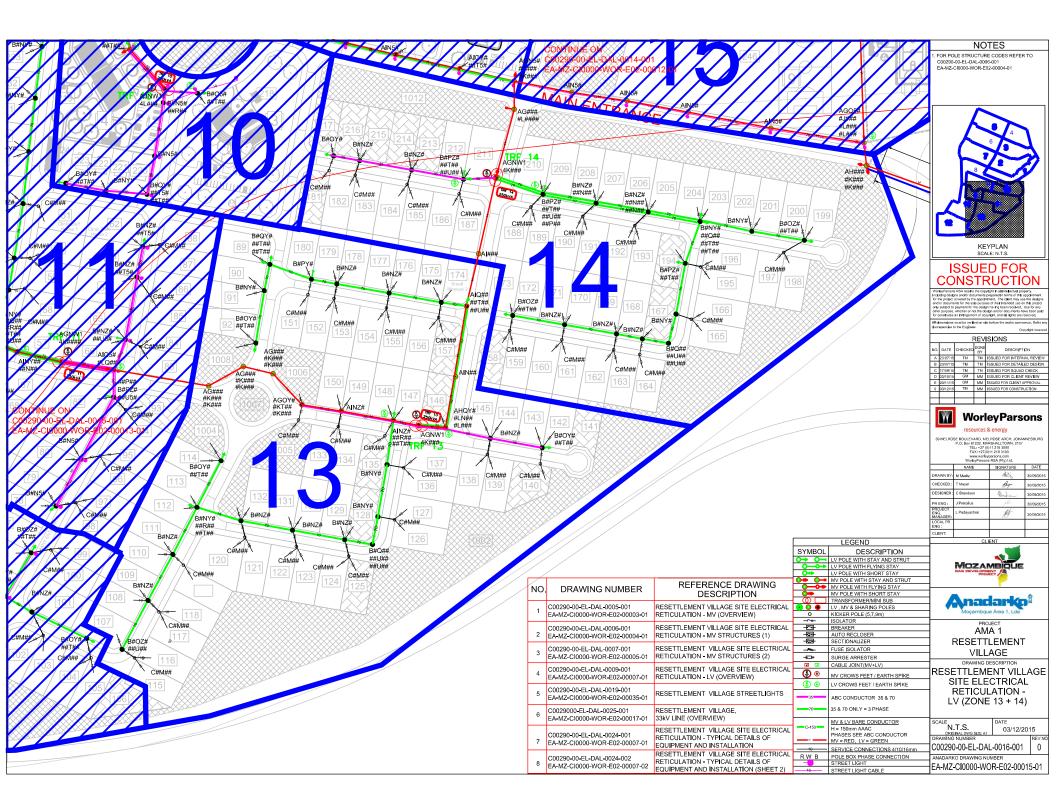
AMA1 RESETTLEMENT VILLAGE

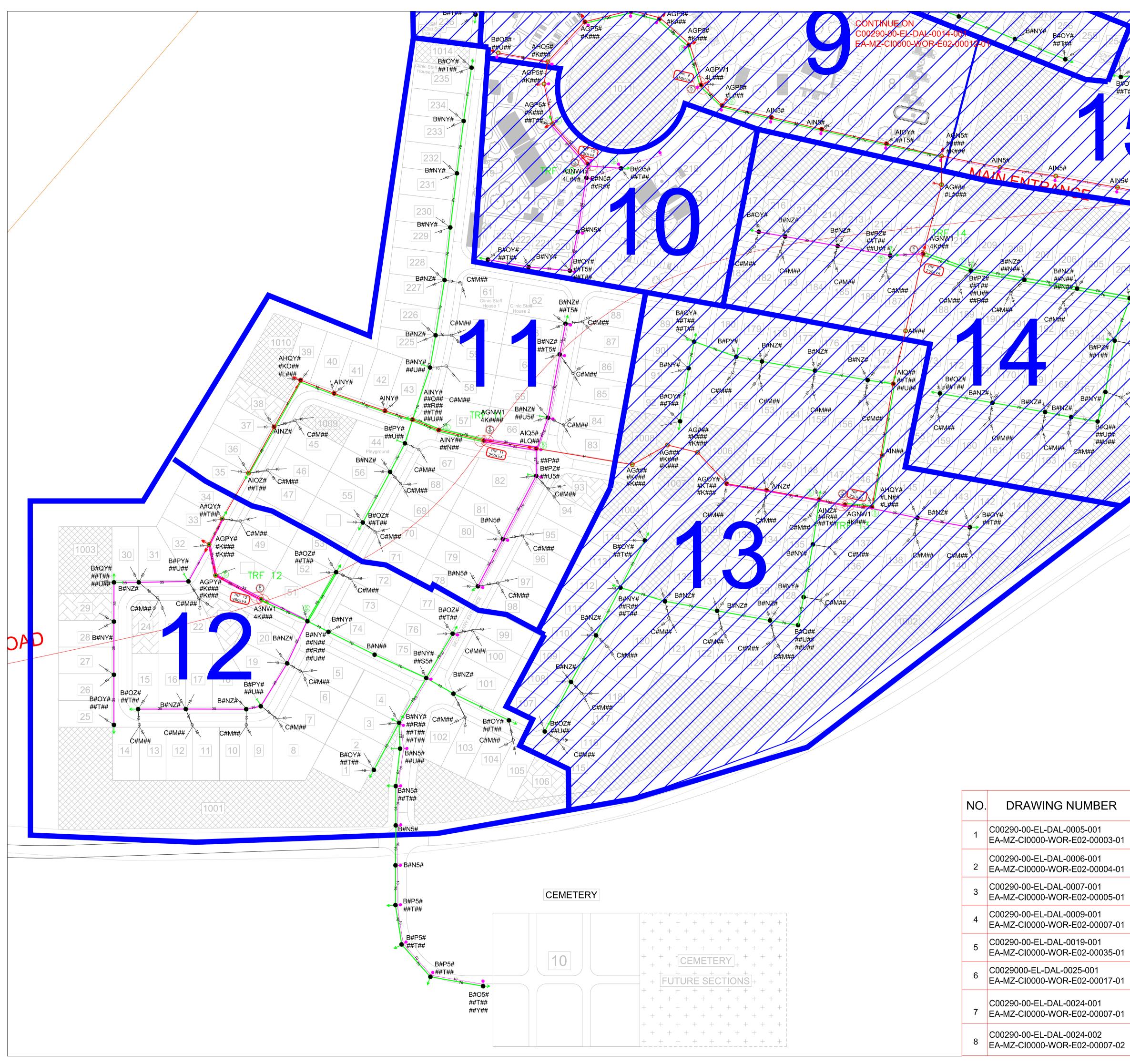
DRAWING DESCRIPTION

Resettlement Village Well Fence Earthing

SCALE	DATE				
As indicated	DECEMBER 2015				
ORIGINAL DWG SIZE A1					
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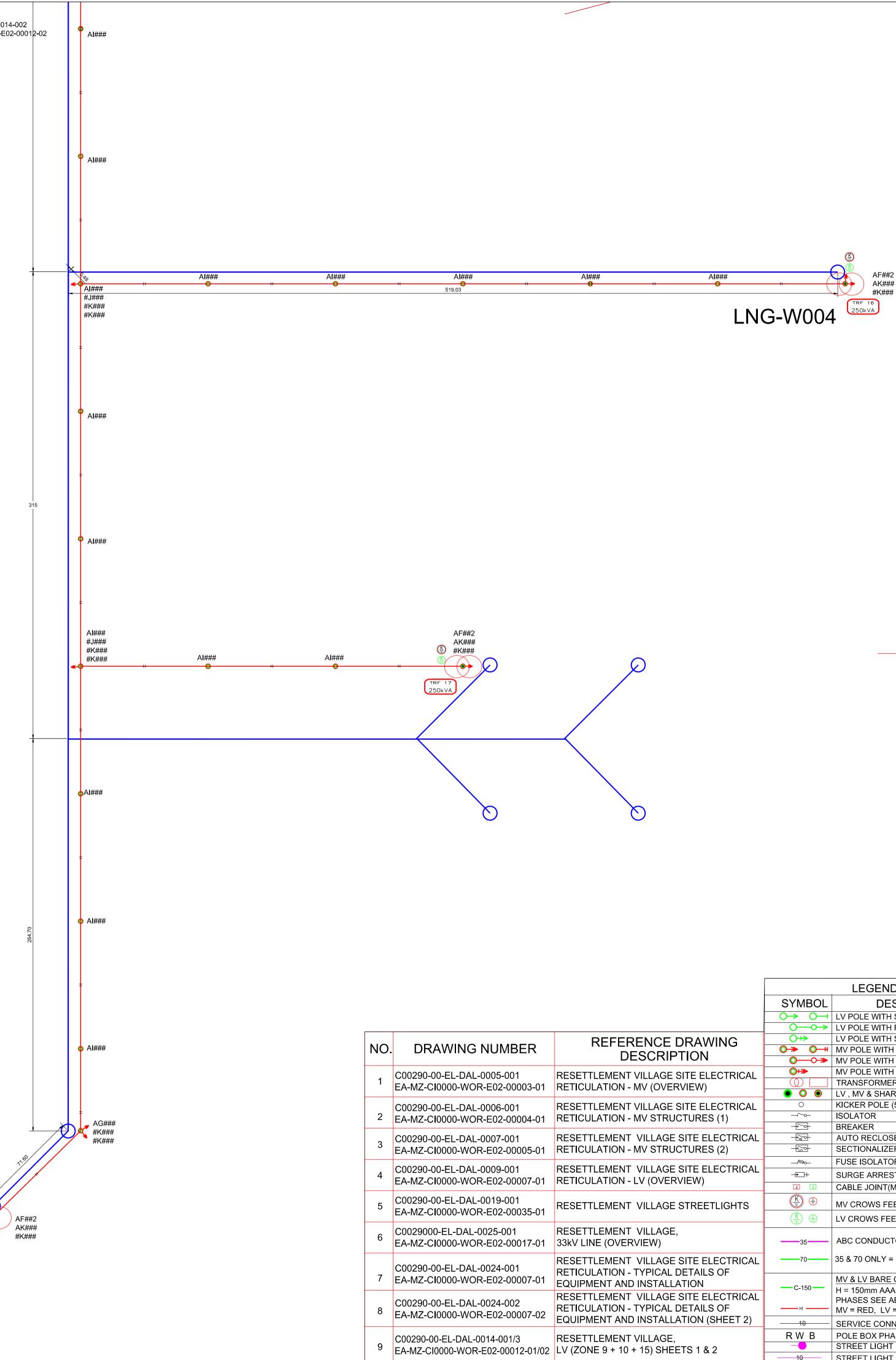


	
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6	C0029000-EL-DAL-0025-001 EA-MZ-CI0000-WOR-E02-00017-01	RESETTLEM 33kV LINE (C	ENT VILLAGE,)VERVIEW)	SCALE		DATE	
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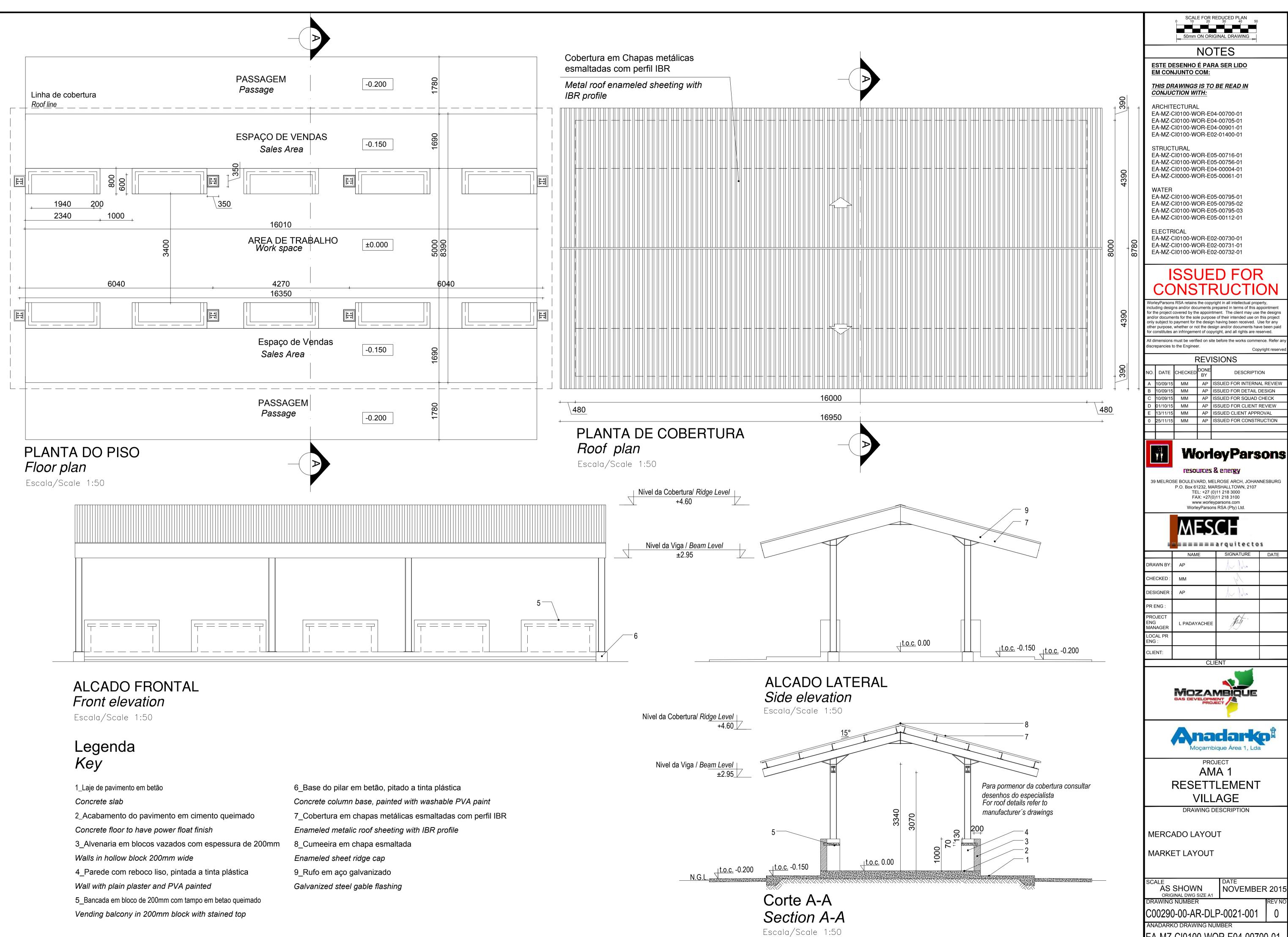
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Mozambique Gas Development Resettlement Plan			
Annex I: Construction drawings			
Rev. 1	Rev Date: 27-May-16		

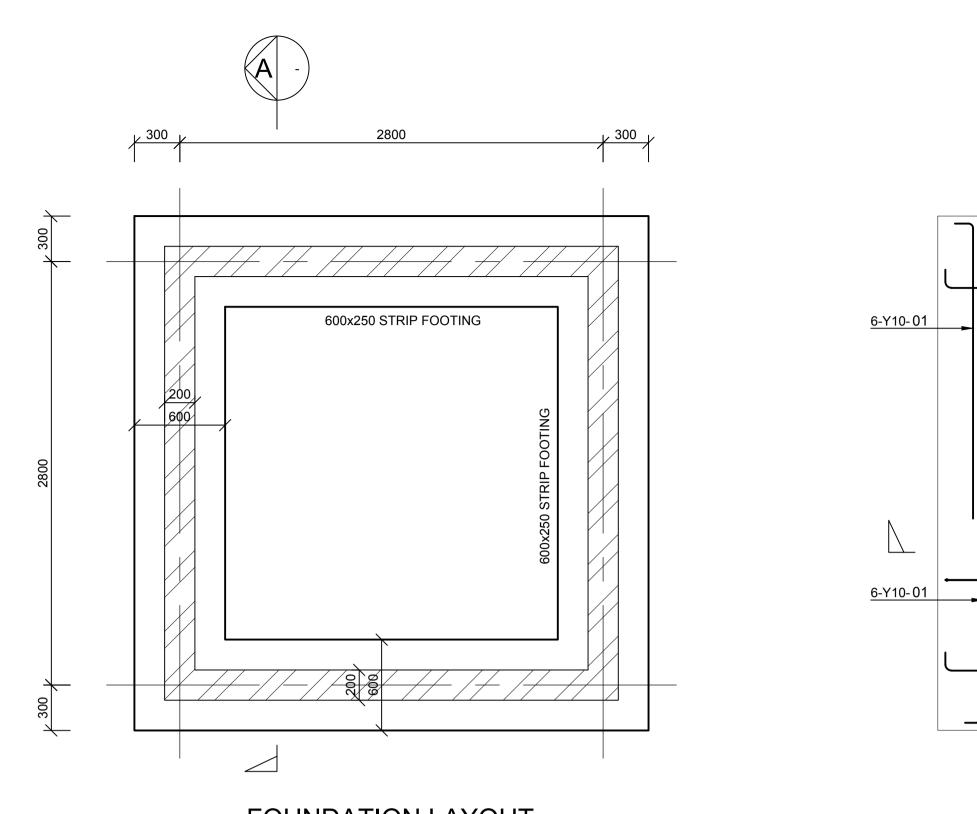
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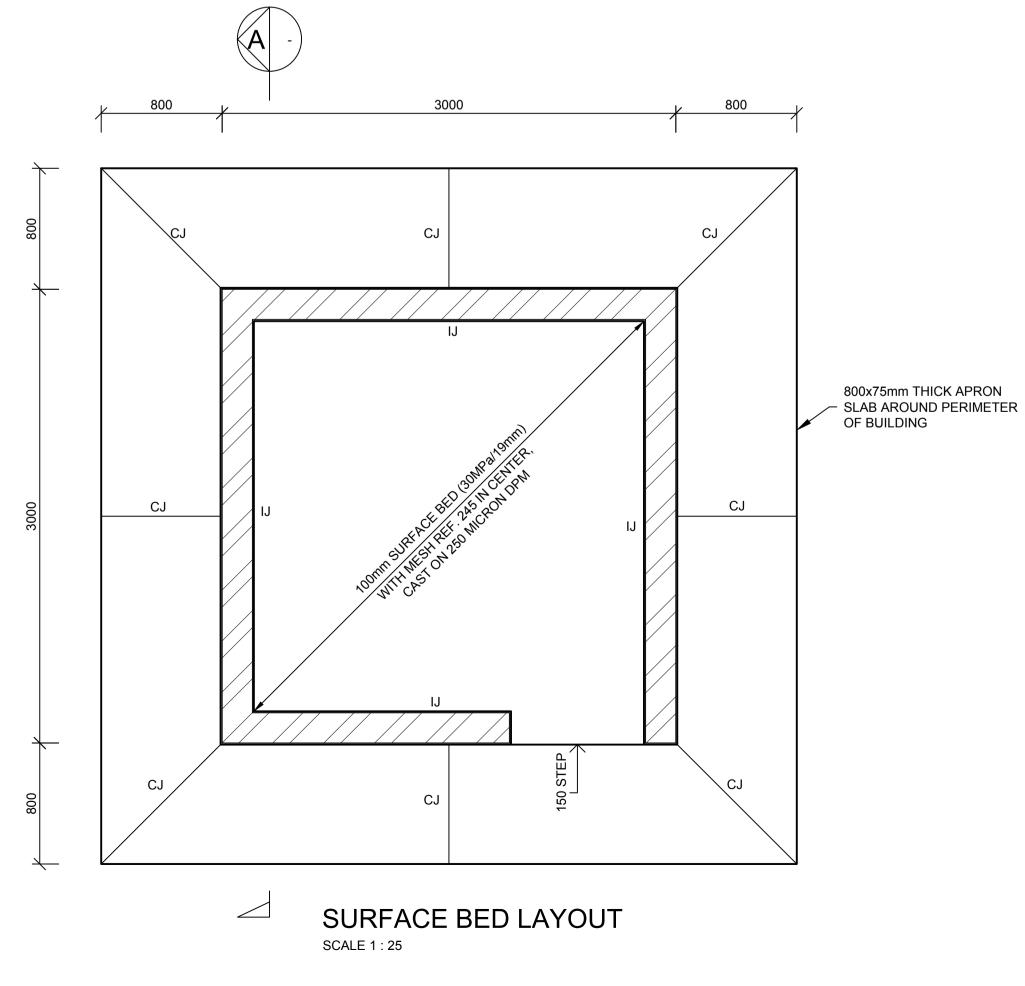


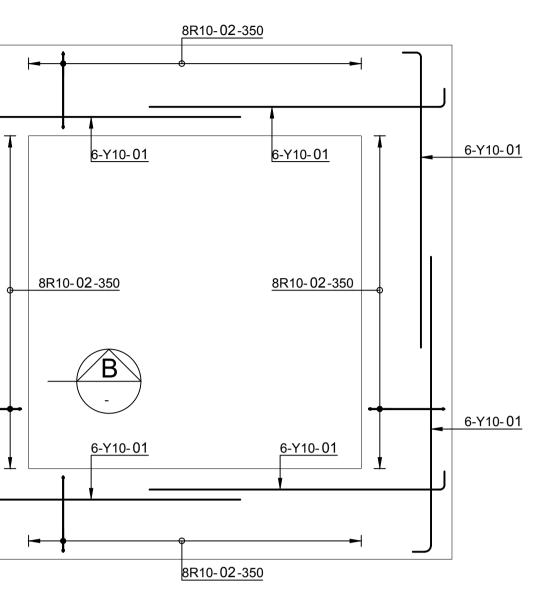


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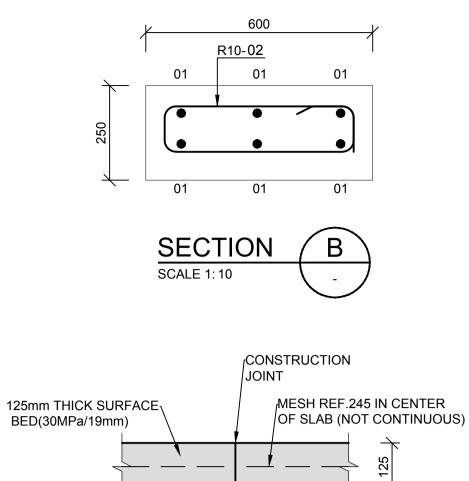


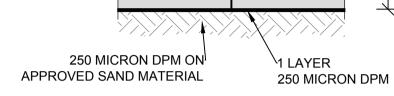




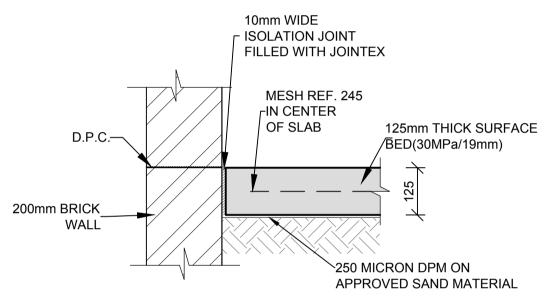


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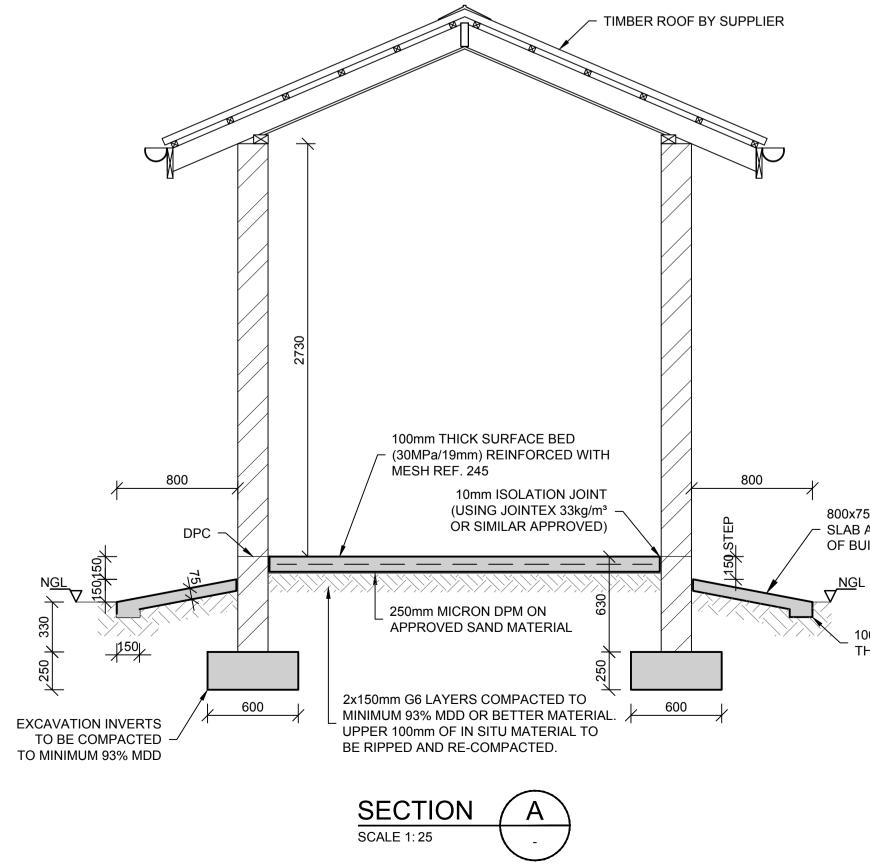




TYPICAL CONSTRUCTION JOINT (C.J.) SCALE 1:10

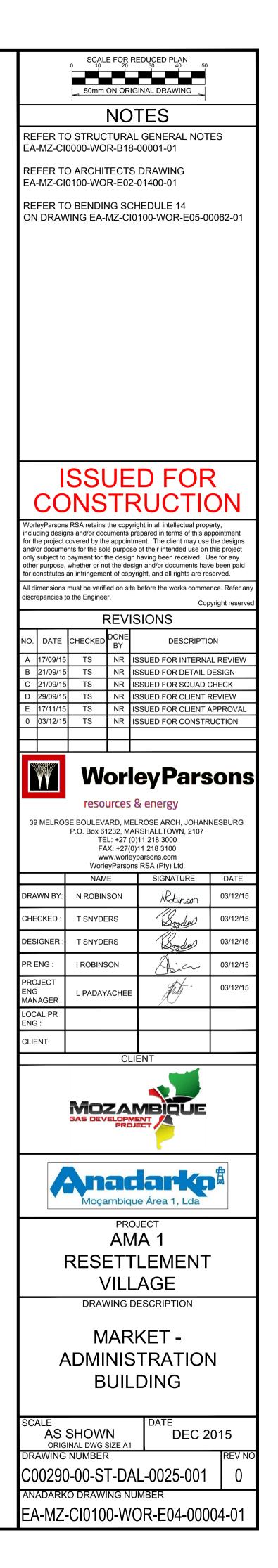


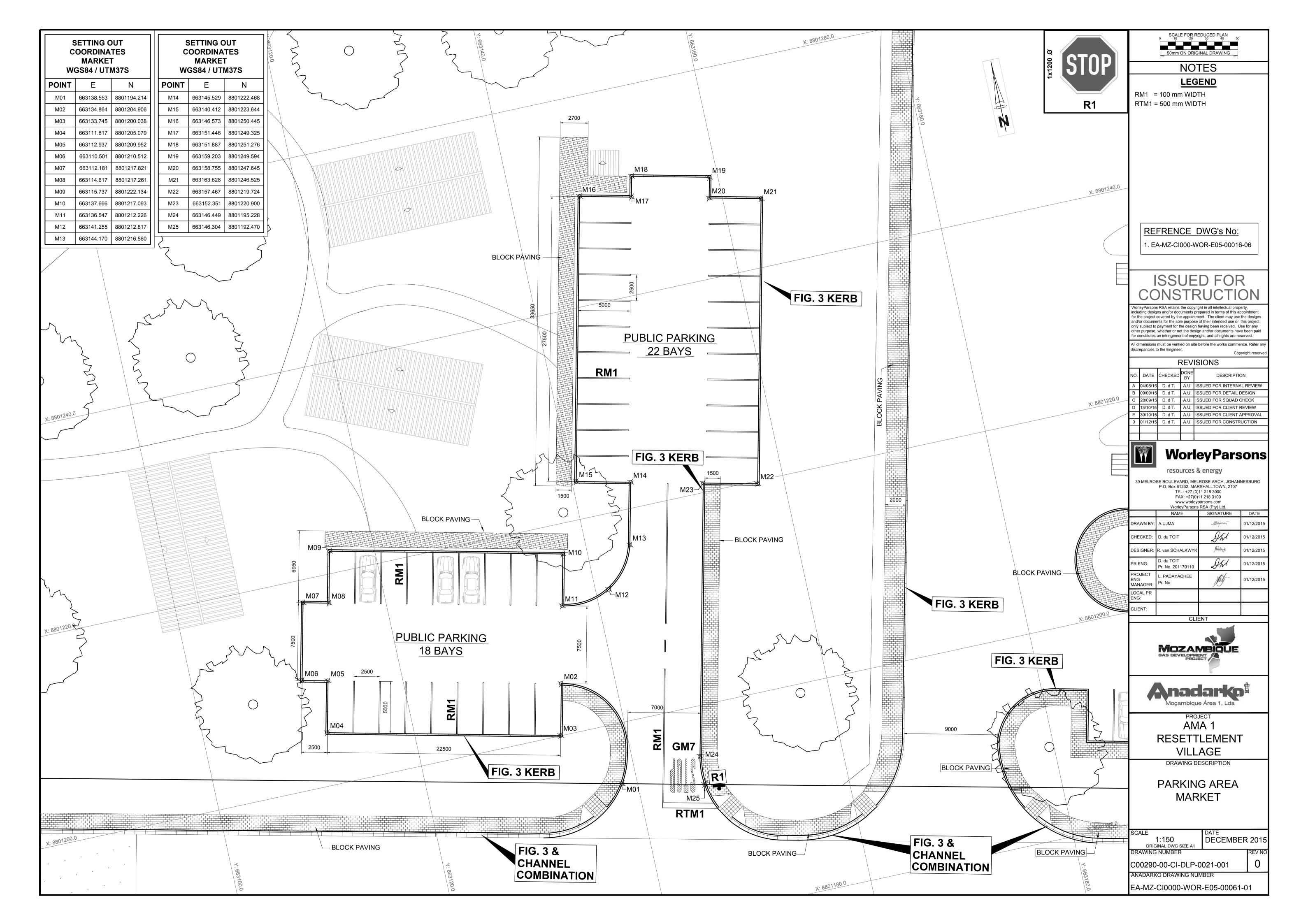
ISOLATION JOINT (I.J.) SCALE 1:10

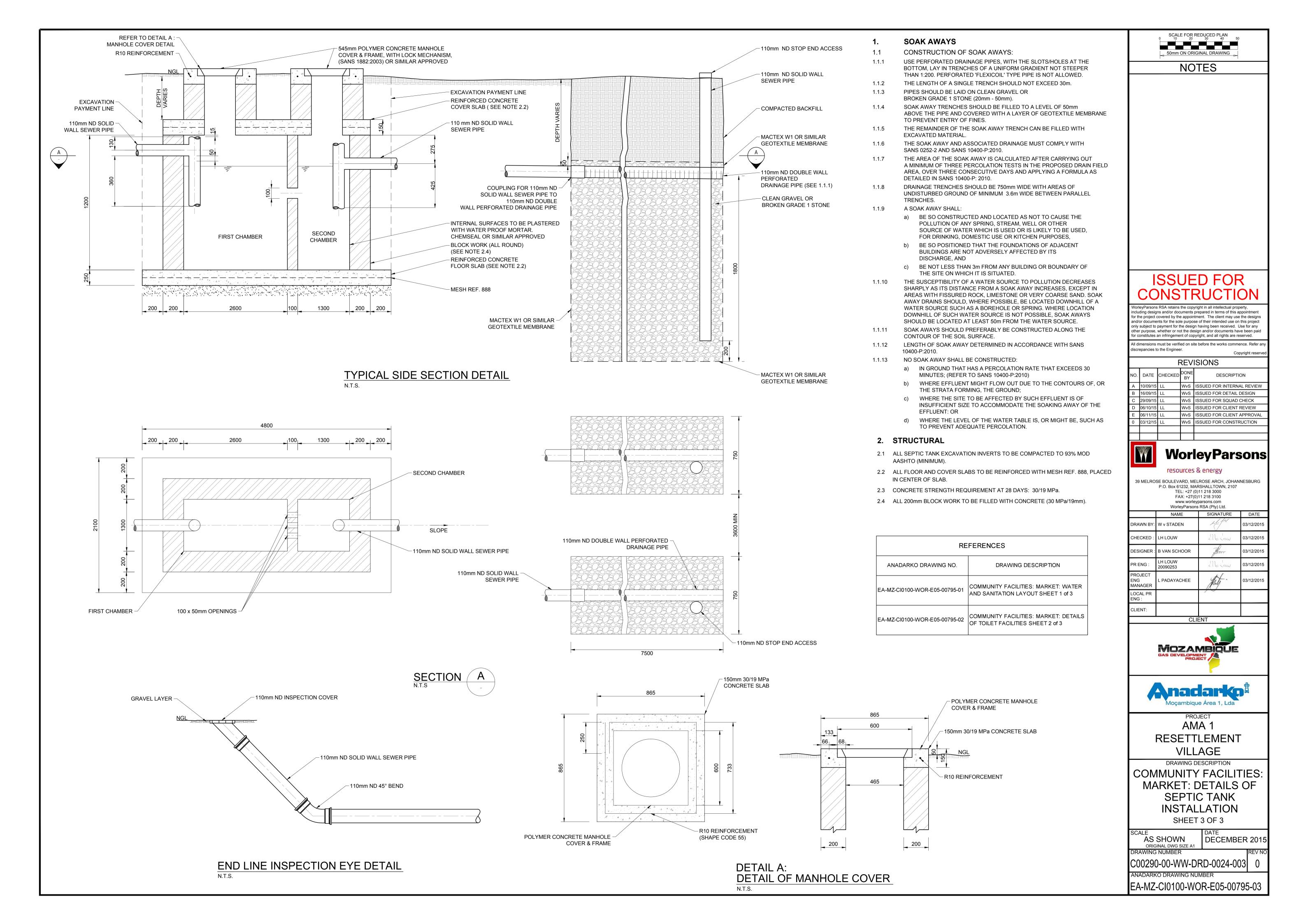


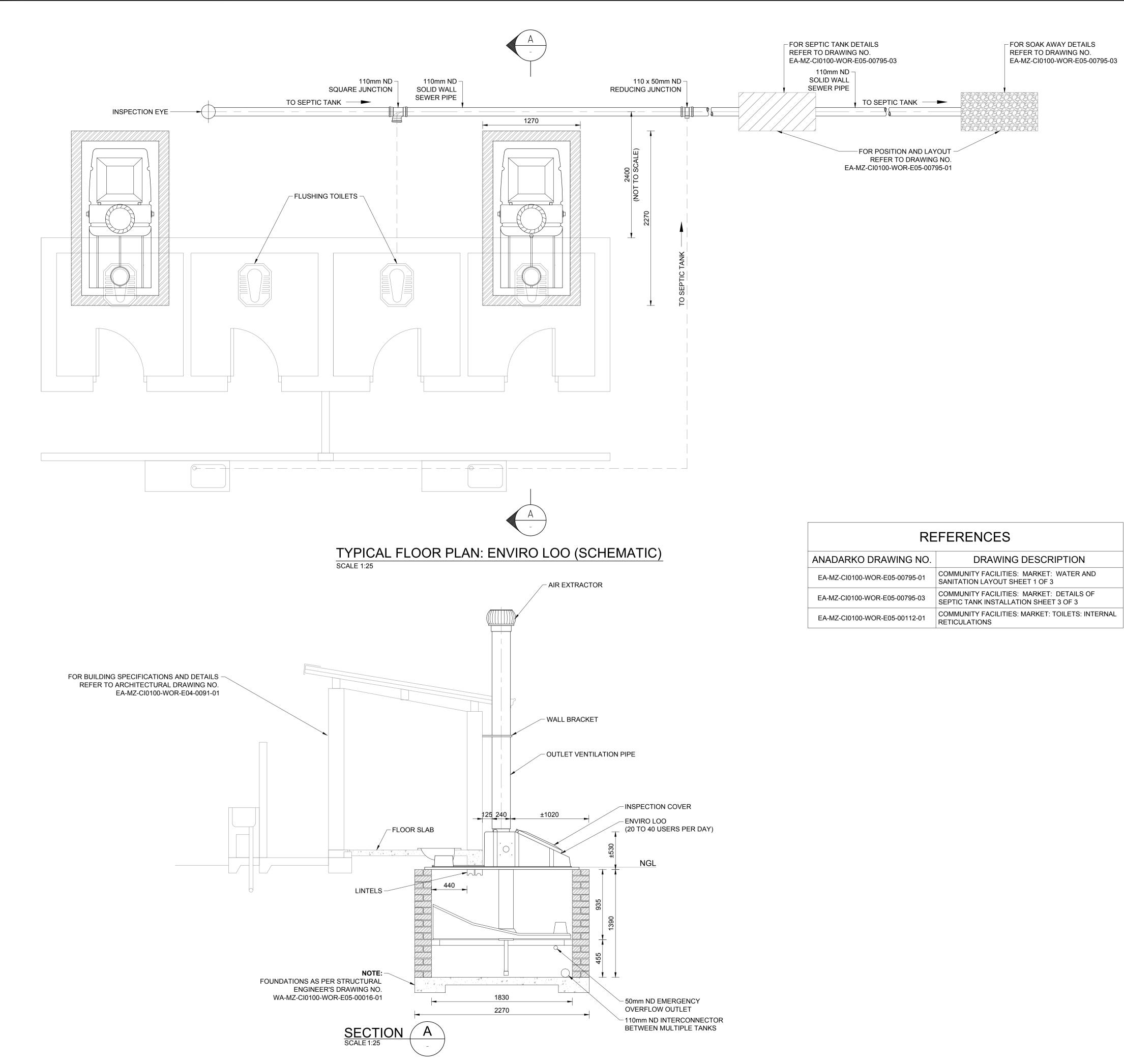
800x75mm THICK APRON - SLAB AROUND PERIMETER OF BUILDING

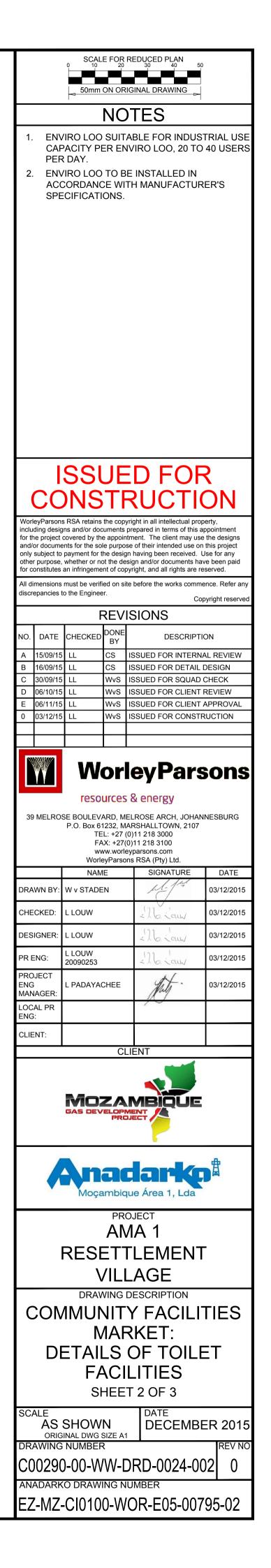
> 100x150mm THICKENING

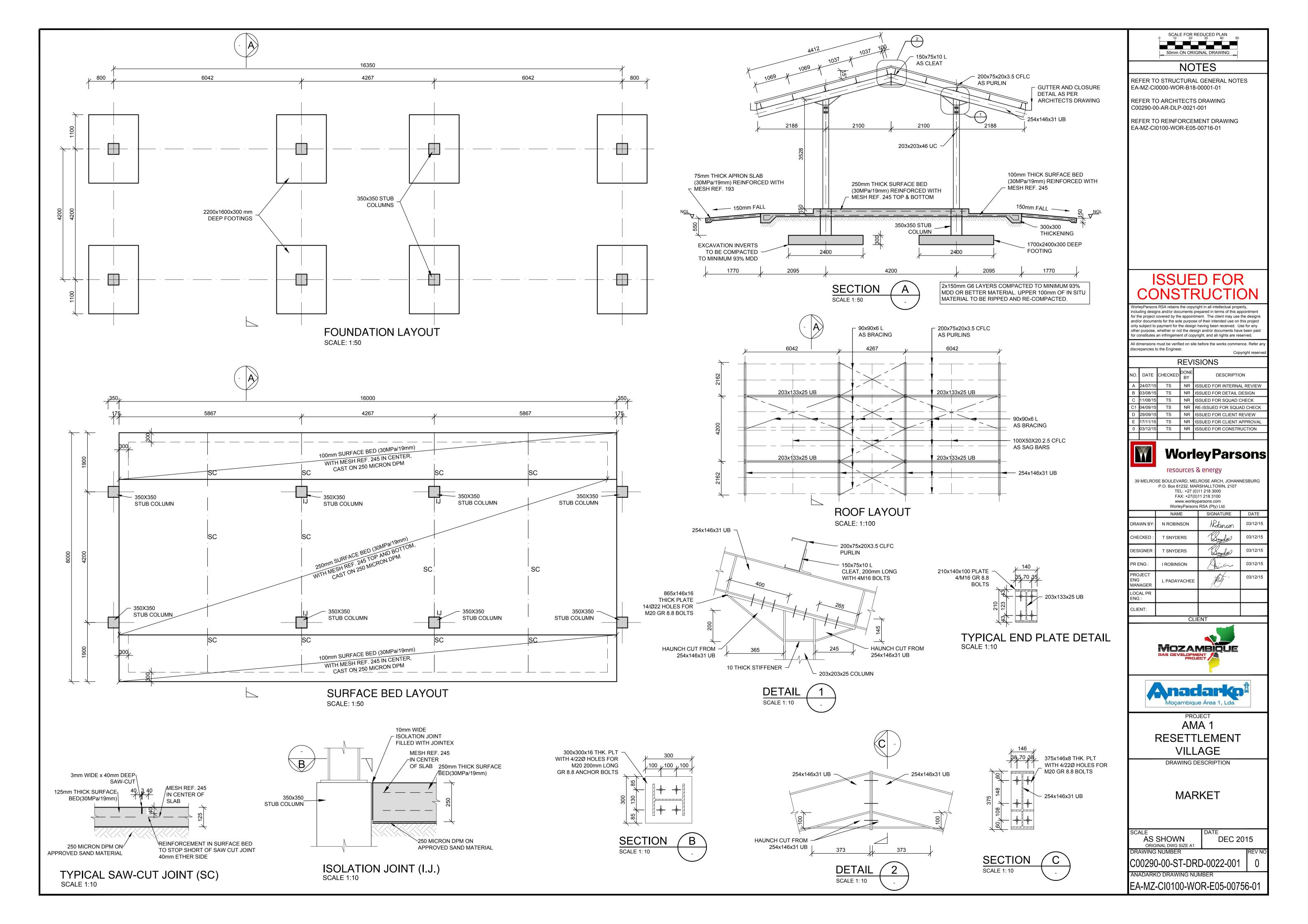


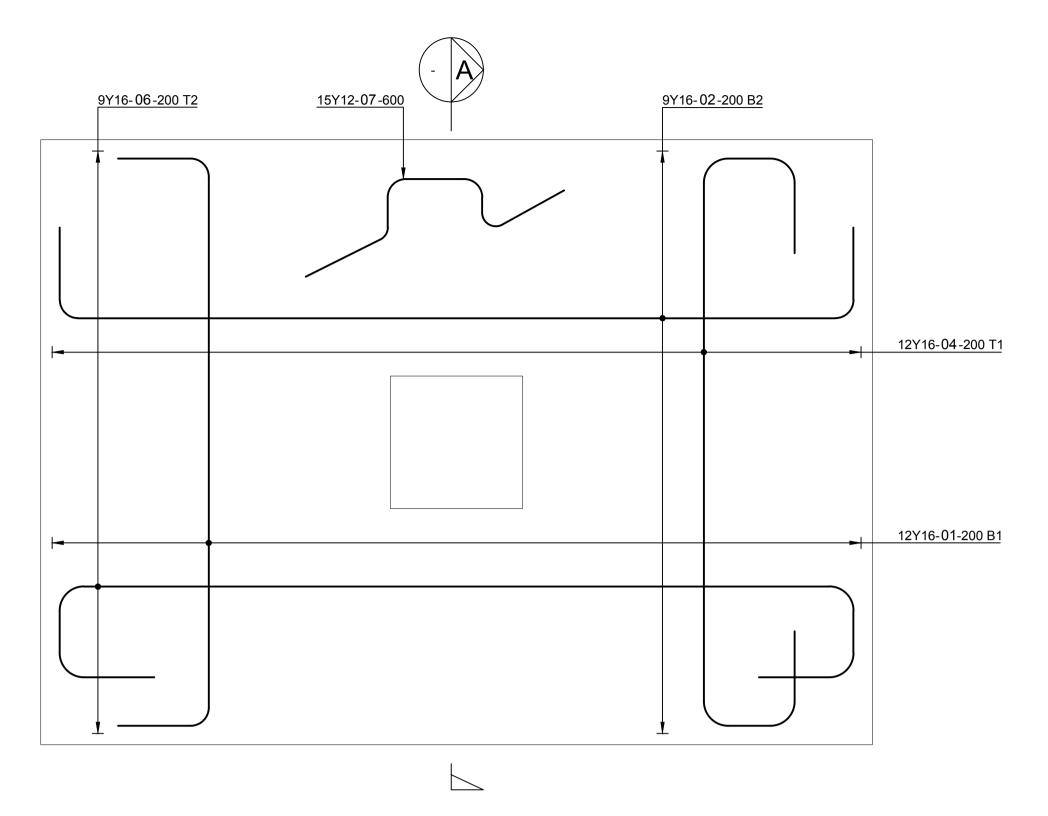


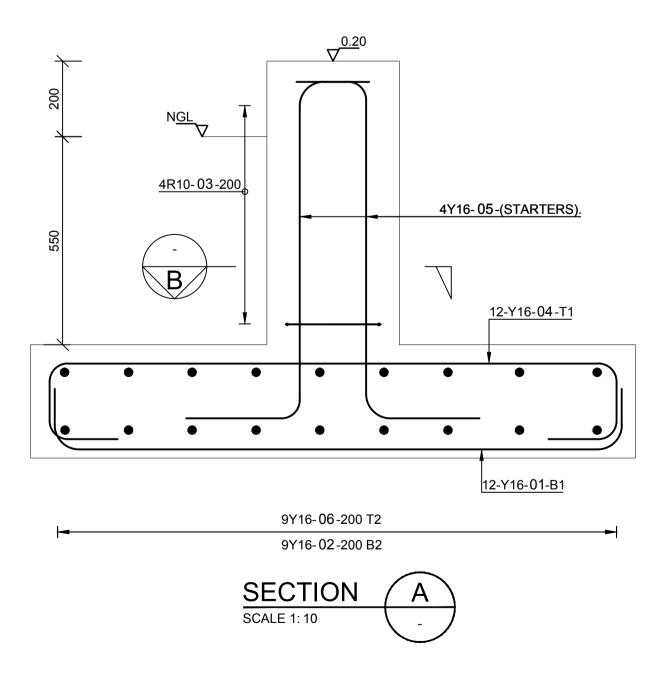




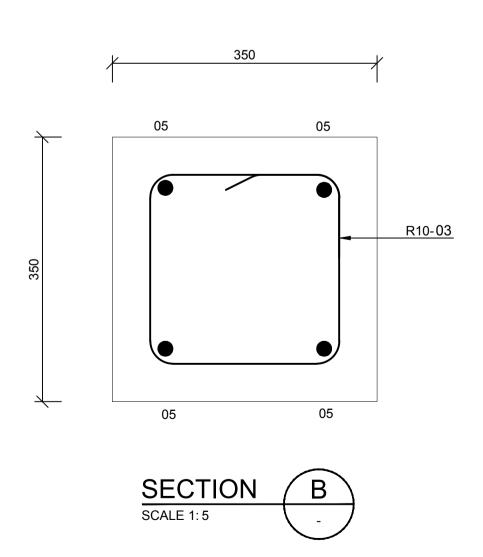


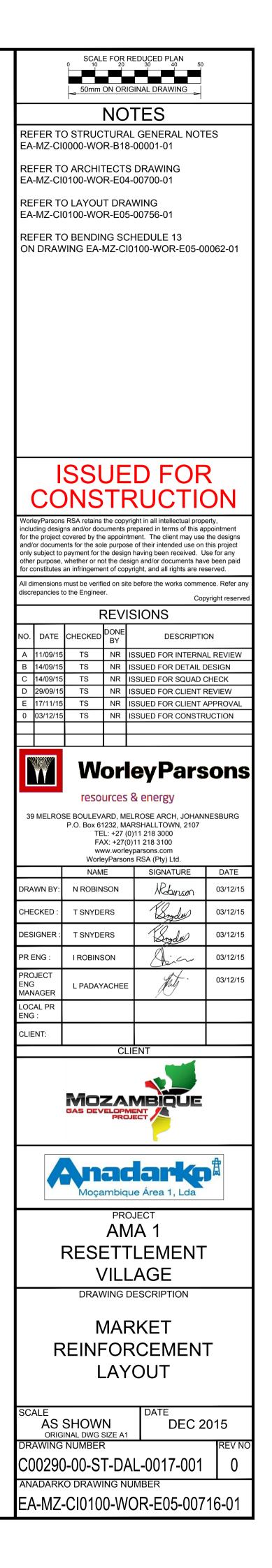


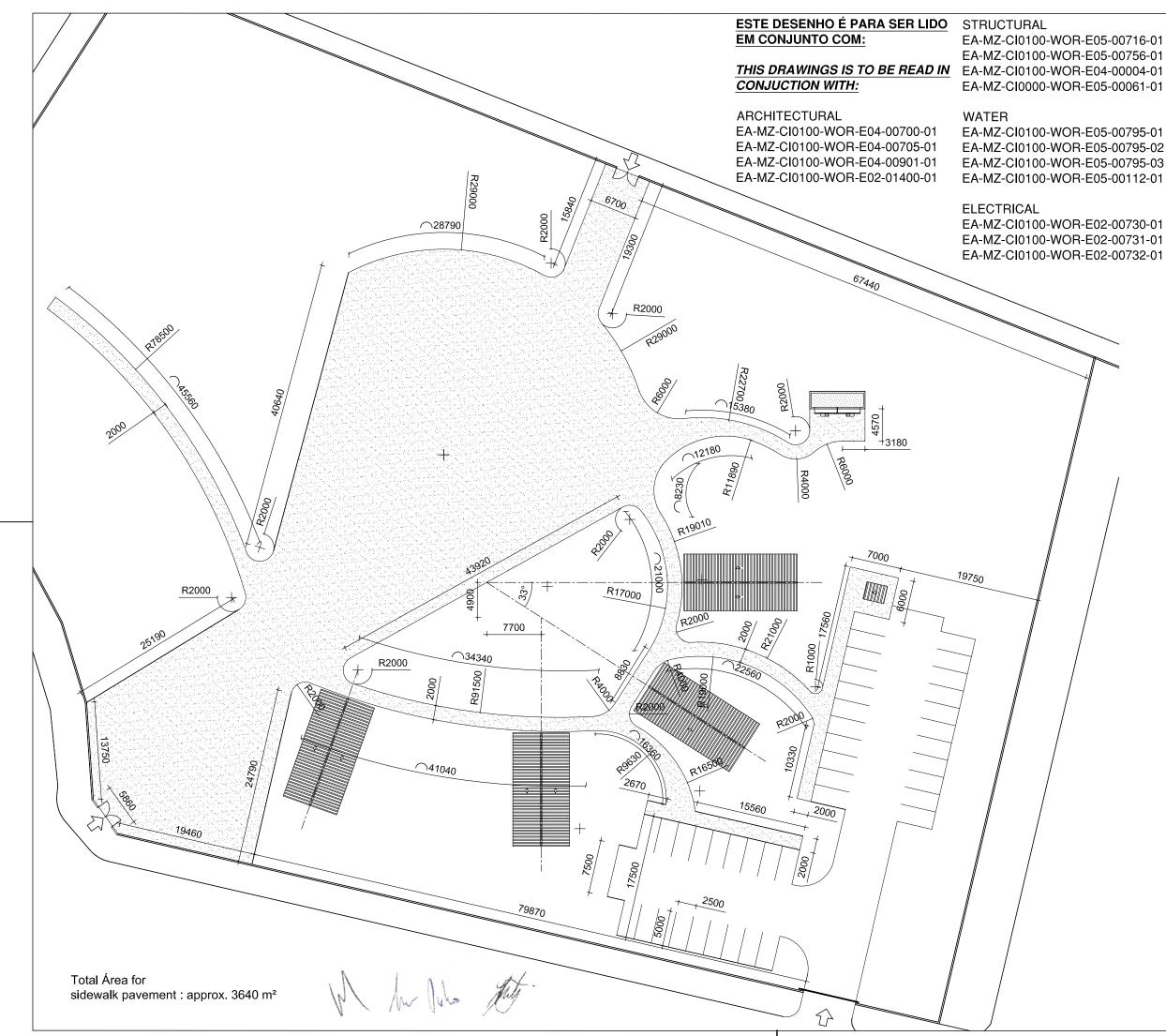




TYPICAL FOOTING REINFORCEMENT SCALE 1 : 25









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NO.	DATE	СНК	DONE BY	DESCRIPTION				
A	08/09/15	ММ	СР	ISSUED INTERNAL REVIEW				
В	08/09/15	ММ	СР	ISSUED FOR DETAIL DESIGN				
с	08/09/15	ММ	СР	ISSUED FOR SQUAD CHECK				
D	15/10/15	MM	СР	ISSUED FOR CLIENT REVIEW				
E	16/11/15	ММ	СР	ISSUED CLIENT APPROVAL				
0	25/11/15	ММ	СР	ISSUED FOR CONSTRUCTION				
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W resources & energy 39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG P.O. Box 61232, MARSHALLTOWN, 2107 TEL: +27 (0)11 218 3000 FAX: +27(0)11 218 3100 www.worleyparsons.com WorleyParsons RSA (Pty) Ltd.







PROJECT AMA 1 RESETTLEMENT VILLAGE

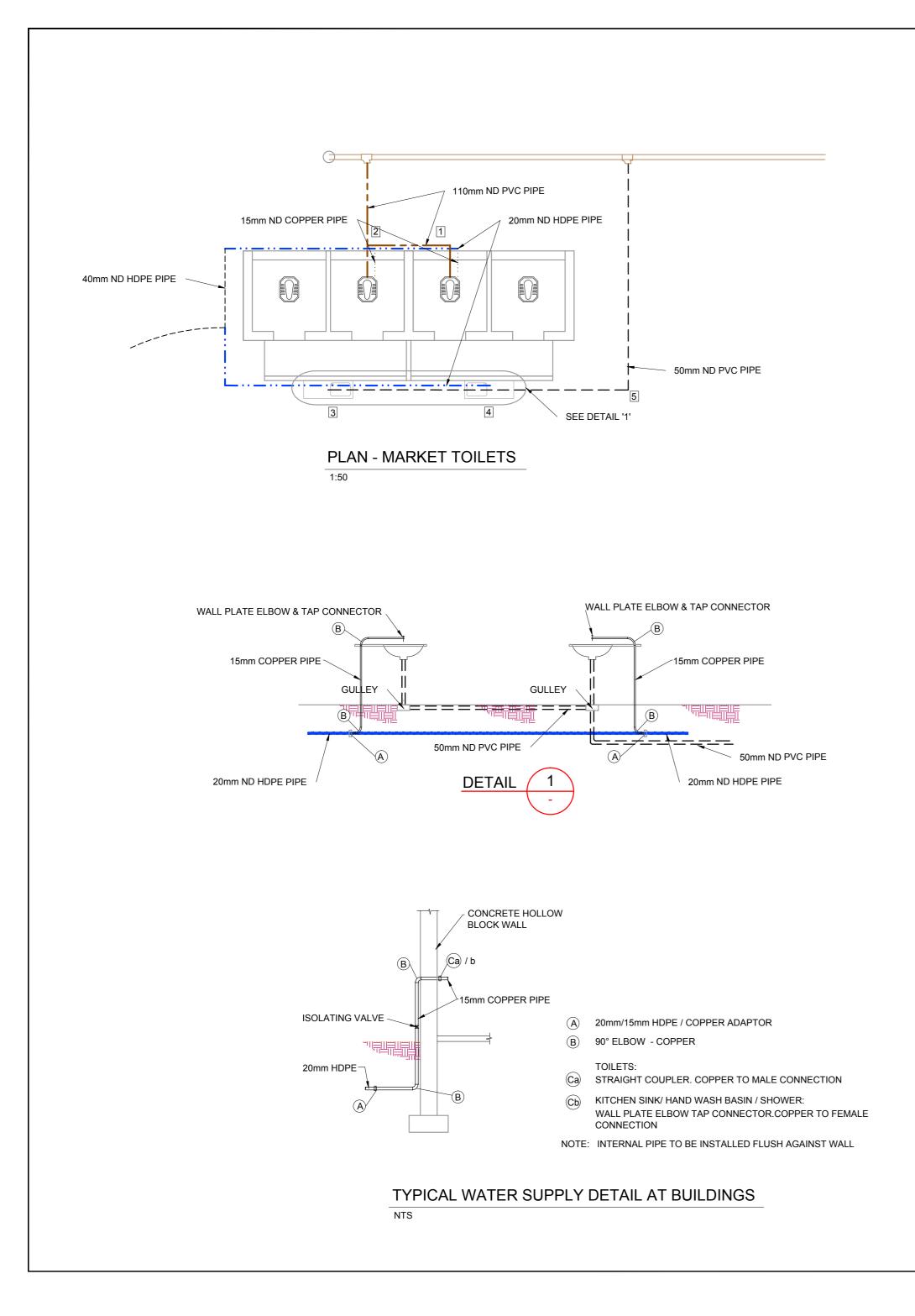
DRAWING DESCRIPTION PLANTA DO PASSEIO DO MERCADO

MARKET SIDEWALK LAYOUT

SCALE A3@ 1:250 DATE NOV 2015

DRAWING NUMBER REV N C00290-00-AR-DLP-0034-001 0

ANADARKO DRAWING NUMBER: EA-MZ-CI0100-WOR-E05-00200-01



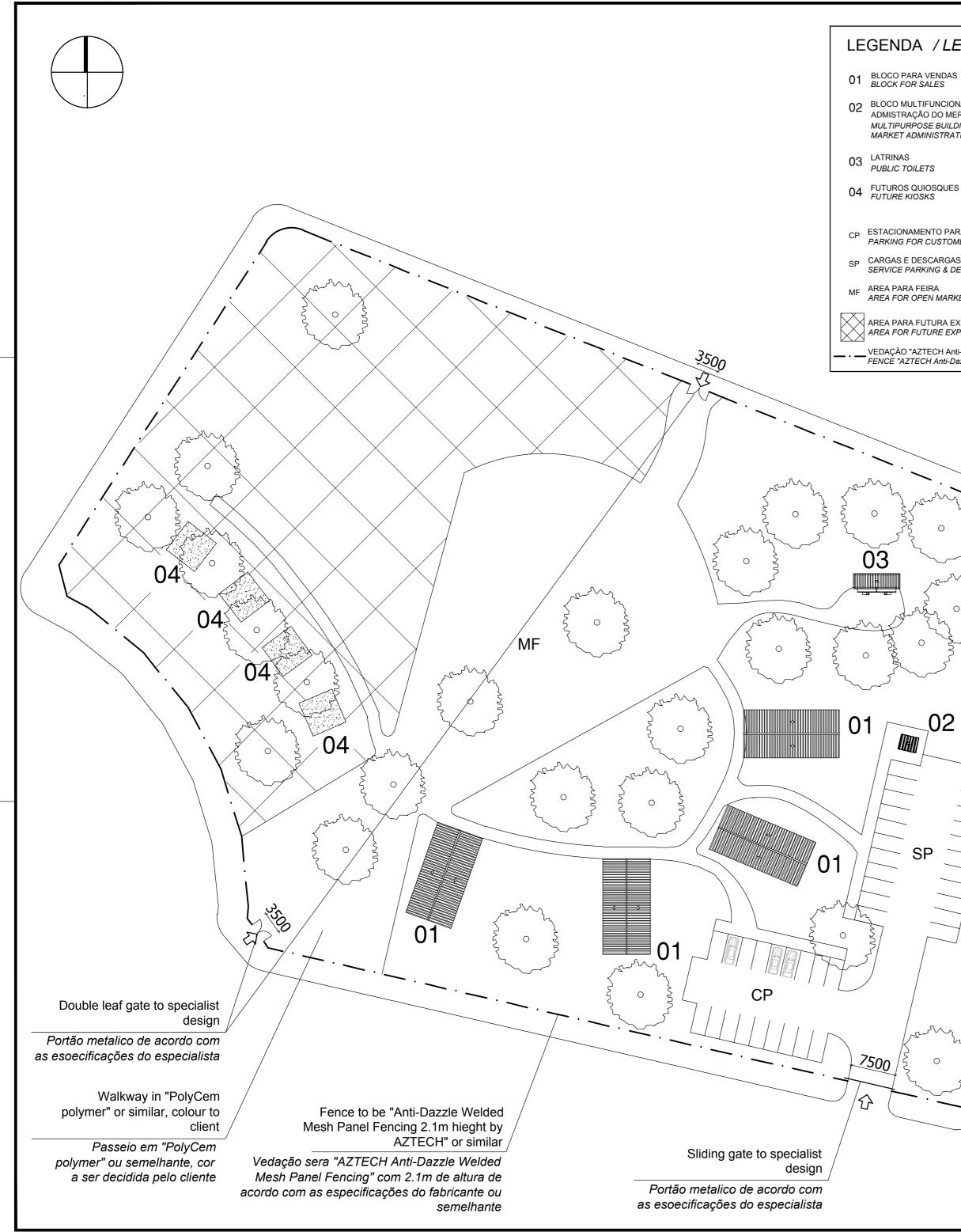
	PUBLIC TOILET		
No	DESCRIPTION	UNIT	QUANTITY
1	110x50mm - 87.5° VENTHORN BEND	No.	1
	50mm VENT COWL	No.	1
	110 - 87.5° PLAIN BEND	No.	1
	110 ND PVC PIPE	m	3m
2	110x50mm - 87.5° VENTHORN BEND	No.	1
	50mm VENT COWL	No.	1
	110 - 87.5° PLAIN BEND	No.	1
	110mm - SINGLE 87.5° PLAIN JUNCTION	No.	1
	110 ND PVC PIPE	m	3m
3	S-TRAP	No.	1
	50mm ND PVC PIPE	m	4m
	DRAIN GULLEY COMPLETE	No.	1
4	S-TRAP	No.	1
	50mm ND PVC PIPE	m	3m
	DRAIN GULLEY COMPLETE	No.	1
5	50 - 87.5° PLAIN BEND	No.	1
	50mm ND PVC PIPE	m	6m

	COMMUNITY FACILITIES - COMMUNITY CENTRE WATER S	UPPLY	
	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: — – – — 110mm ND PVC PIPE 15mm ND COPPER PIPE — — — — 50mm ND PVC PIPE ---- 20mm ND HDPE PIPE ---- 40mm ND HDPE PIPE **ISSUED FOR** CONSTRUCTION orleyParsons RSA retains the copyright in all intellectual property, cluding designs and/or documents prepared in terms of this appointment including designs and/or documents prepared in terms of this appointment for the project covered by the appointment. The client may use the designs and/or documents for the sole purpose of their intended use on this project only subject to payment for the design having been received. Use for any other purpose, whether or not the design and/or documents have been paid for constitutes an infringement of copyright, and all rights are reserved. All dimensions must be verified on site before the works commence. Refer an crepancies to the Engineer. Copyright reser REVISIONS DATE CHECKED DESCRIPTION AR ISSUED FOR INTERNAL REVIEW AR ISSUED FOR DETAIL DESIGN AR ISSUED FOR SQUAD CHECK AR ISSUED FOR CLIENT REVIEW D 23/10/1 CT ISSUED FOR CLIENT APPROVAL CT ISSUED FOR CONSTRUCTION **WorleyParsons** resources & energy 39 MELROSE BOULEVARD, MELROSE ARCH, JOHANNESBURG P.O. Box 61232, MARSHALLTOWN, 2107 TEL: +27 (0)11 218 3000 FAX: +27(0)11 218 3100 www.worleyparsons.com WorleyParsons RSA (Pty) Ltd. NAME SIGNATURE DATE A. RAJAH 29/10/2015 RAWN BY HECKED: . PADAYACHEE 29/10/2015 29/10/2015 DESIGNER L. PADAYACHEE PADAYACHEE PR ENG: 29/10/2015 PROJEC PADAYACHEE 29/10/2015 ENG ANAGEF LOCAL PF ENG: CLIENT: CLIENT MOZAMBIQUE Anadarko Moçambique Área 1, Lda PROJECT AMA 1 RESETTLEMENT VILLAGE DRAWING DESCRIPTION COMMUNITY FACILITIES MARKET TOILETS INTERNAL RETICULATIONS SCALE DATE NOVEMBER 2015 1:50 ORIGINAL DWG SIZE A1 C00290-00-PL-DRD-0007-001 0

ANADARKO DRAWING NUMBER

EZ-MZ-CI0100-WOR-E05-00112-01



LEGENDA /LEGEND

02 BLOCO MULTIFUNCIONAL -ADMISTRAÇÃO DO MERCADO MULTIPURPOSE BUILDING -MARKET ADMINISTRATION

PUBLIC TOILETS

04 FUTUROS QUIOSQUES FUTURE KIOSKS

CP ESTACIONAMENTO PARA UTENTES PARKING FOR CUSTOMERS

SP CARGAS E DESCARGAS SERVICE PARKING & DELIVERY'S

AREA FOR OPEN MARKET

AREA PARA FUTURA EXPANÇÃO AREA FOR FUTURE EXPANSION

VEDAÇÂO "AZTECH Anti-Dazzle" FENCÉ "AZTECH Anti-Dazzel"

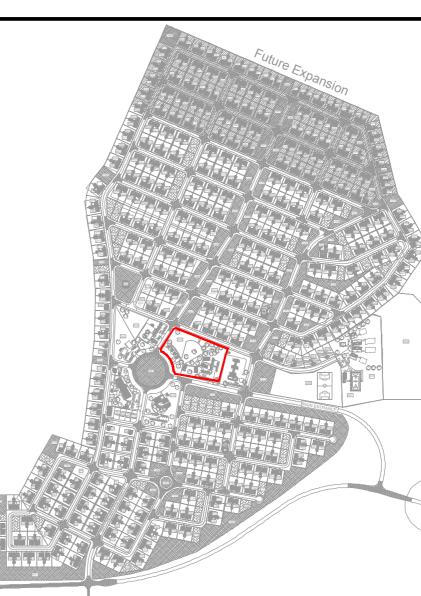
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ESTE DESENHO É PARA SER LIDO EM CONJUNTO COM:

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

ARCHITECTURAL

EA-MZ-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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	NO.	DATE	CHECKED	DONE BY	DESCRIPTION	
	А	08/09/15	MM	AP	ISSUED FOR INTERNAL REVIEW	
	В	08/09/15	MM	AP	ISSUED FOR DETAIL DESIGN	
	С	08/09/15	MM	AP	ISSUED FOR SQUAD CHECK	
	D	01/10/15	MM	AP	ISSUED FOR CLIENT REVIEW	
U,	Е	16/11/15	MM	AP	ISSUED CLIENT APPROVAL	
	0	25/11/15	MM	AP	ISSUED FOR CONSTRUCTION	

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	NAME	SIGNATURE	DATE			
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CHECKED :	ММ	J.				
DESIGNER :	AP	her Jula				
PROJECT ENG MANAGER	L PADAYACHEE	July .				
LOCAL PR ENG :						
CLIENT:						
CLIENT						





PROJECT

AMA 1

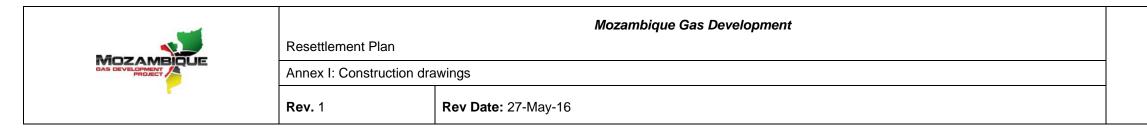
RESETTLEMENT

VILLAGE

DRAWING DESCRIPTION PLANTA GERAL DO MERCADO

MARKET SITE PLAN

SCALE	DATE			
1:500	NOV 202	15		
ORIGINAL DWG SIZE A2				
DRAWING NUMBER	REV NO			
C00290-00-AR-DLP	0			
ANADARKO DRAWING NUMBER				
EA-MZ-CI0100-WOR-E04-00705-01				



10. MASS EARTH WORKS





SETTING OUT
COORDINATES
PLATFORM 7
WGS84 / UTM37S

POINT	E	Ν	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

	SET COOI PLA WGS8
INT	E
05	000005 400

POINT	E	Ν	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 9 WGS84 / UTM37S

POINT	E	Ν	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	8801884.490	33.458
P9_10	662964.611	8801866.189	33.556
P9_11	662956.545	8801847.888	33.654
P9_12	662948.479	8801829.586	33.752

POINT	ш	Ν	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 COORDI PLATF WGS84 /

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 12
WGS84 / UTM37S

POINT	E	Z	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

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
P13_4	663025.583	8801766.358	33.204
P13_5	663007.225	8801774.294	33.314
P13_6	662988.866	8801782.229	33.425
P13_7	662970.508	8801790.164	33.536
P13_8	662952.149	8801798.099	33.646
P13_9	662934.506	8801797.762	33.920
P13_10	662926.399	8801779.488	34.020
P13_11	662918.333	8801761.186	34.118
P13_12	662909.691	8801743.169	34.211

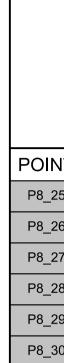
FTING OUT ORDINATES LATFORM 7 84 / UTM37S

SETTING OUT COORDINATES PLATFORM 8 WGS84 / UTM37S

POINT	E	Ν	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	Ν	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



IG OUT	
INATES	
FORM 10	
UTM37S	
	-

SETTING OUT COORDINATES PLATFORM 10 WGS84 / UTM37S

POINT	Ш	Ν	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	8801696.672	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

P11_13 663314.763 88017 P11_14 663333.132 88017 P11_15 663351.502 88017 P11_16 663369.871 88017 P11_17 663388.240 88017 P11_18 663405.921 88017 P11_19 663402.240 88016	SETTING OUT COORDINATES PLATFORM 11 WGS84 / UTM37S			
P11_14 663333.132 88017 P11_15 663351.502 88017 P11_16 663369.871 88017 P11_17 663388.240 88017 P11_18 663405.921 88017 P11_19 663402.240 88016	N ELEVATION			
P11_15 663351.502 88017 P11_16 663369.871 88017 P11_17 663388.240 88017 P11_18 663405.921 88016 P11_19 663402.240 88016	745.429 31.427			
P11_16 663369.871 88017 P11_17 663388.240 88017 P11_18 663405.921 88017 P11_19 663402.240 88016	737.520 31.307			
P11_17 663388.240 88017 P11_18 663405.921 88017 P11_19 663402.240 88016	729.610 31.187			
P11_18 663405.921 88017 P11_19 663402.240 88016	721.700 31.066			
P11_19 663402.240 88016	713.791 30.946			
	704.822 30.812			
	30.800			
P11_20 663394.307 88016	667.978 30.885			
P11_21 663386.375 88016	649.618 30.969			
P11_22 663376.131 88016	33.348 31.140			

SETTING OUT COORDINATES PLATFORM 13 WGS84 / UTM37S

SETTING OUT COORDINATES PLATFORM 13 WGS84 / UTM37S

POINT	E	N	ELEVATION
P13_13	662913.978	8801728.421	34.292
P13_14	662932.326	8801720.462	34.178
P13_15	662950.674	8801712.502	34.064
P13_16	662969.022	8801704.543	33.950
P13_17	662987.370	8801696.584	33.836
P13_18	663005.718	8801688.624	33.722
P13_19	663024.066	8801680.665	33.607
P13_20	663042.682	8801674.431	33.437
P13_21	663053.317	8801690.246	33.242
P13_22	663061.329	8801708.571	33.157
P13_23	663069.342	8801726.896	33.072

SETTING OUT COORDINATES PLATFORM 8 WGS84 / UTM37S

NT	E	Ν	ELEVATION
25	663482.380	8801733.155	31.067
26	663500.750	8801725.247	31.267
27	663519.120	8801717.338	31.107
28	663537.490	8801709.429	30.407
29	663555.859	8801701.520	29.707
30	663574.229	8801693.612	29.007

SCALE FOR REDUCED PLAN 10 20 30 40 50 30 50 50 50 50 mm ON ORIGINAL DRAWING				
NOTES				
LEGEND				
FUTURE DEVELOPMENT				
REFRENCE DWG's No:				
1. EA-MZ-CI000-WOR-E05-00018-01				
1. EA-WZ-CI000-WOR-E03-00018-01				
ISSUED FOR				
CONSTRUCTION				
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NO. DATE CHECKED DONE DESCRIPTION				
A 04/08/15 D. d T. A.U. ISSUED FOR INTERNAL REVIE	EW			
B 09/09/15 D. d T. A.U. ISSUED FOR DETAIL DESIGN				
	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 APPROV				
0 01/12/15 D. d T. A.U. ISSUED FOR CLIENT APPROV				

WorleyParsons				
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PROJECT ENG MANAGER:	L. PADAYACHEE Pr. No.	July .	01/12/2015	
LOCAL PR ENG:				
CLIENT:				
	CLIE	INT		
GAS DEVELOPMENT PROJECT				
PROJECT AMA 1 RESETTLEMENT VILLAGE				
DRAWING DESCRIPTION MASS EARTH WORKS PLATFORMS SETTING OUT PLAN				
SCALE DATE DATE DECEMBER 2015 ORIGINAL DWG SIZE A1 REV NO				

C00290-00-CI-DLP-0012-004

EA-MZ-CI0000-WOR-E05-00018-04

ANADARKO DRAWING NUMBER

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