

LEGEND & NOTES

ELECTRICAL LEGEND:

Type G1 - Round Bulkhead luminsire with de black sidrt and 2 x PL 9W lamps

THIS DRAWING IS ISSUED ONLY FOR THE SERVICE MODATED IN THE TITLE BLOCK FOR CONSTRUCTION DETAILS REFER TO THE ARCHITECTURAL & COORDINATED DRAWINGS.

GENERAL NOTES

THE SIECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CO-ORDINATION OF THIS INSTALLATION WITH THOSE OF THE OTHER SUB TRACES.

Light switch - 1 Lever, 1 Way switching

- ELECTRICAL NOTES: All light switches and access control readers shall be horizontally aligned with door handles (i.e. +1000mm above FFL to the top of the cover plate).
- Rocker action, toggle or push-pad switches that operate in the writical plane shall be used. Push buttons and toggle light switches shall project clear of the switch plate and shall have a width of at least 10mm.
- New general purpose sockets outlets (power points) shall be fixed at least 500mm above the finished floor level. 150mm above work top level and at least 450mm from corners.

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28.02.13	13.02.13	DATE		
FOR TENDER	NOTES REVISED DB DETAILS ADDED	AMENDMENT	REVISIONS	
JG	6 6	D.P.W		

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cad the name EE104144BI-01-P1 Recreation&Logistics.dwg



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P-O Box 1432
F-O Box 1432
F-O Box 1432
F-O Box 1432
F-O Box 1427) 031 7865487

ELECTRICAL BARTSCH

WESTVILLE DCS - PROVISION OF FACILITIES FOR THE DISABLED DURBAN MEDIUM PRISON, HARRY GWALA ROAD, WESTVILLE, 3629 WCS 049089

RECREATION CENTRE (B) & LOGISTICS (I)
PARAPLEGIC TOILETS
ELECTRICAL INSTALLATION

 refra:
 3313/AB/001
 deabred J GILLESPIE

 scale 1:50
 drawn J GILLESPIE

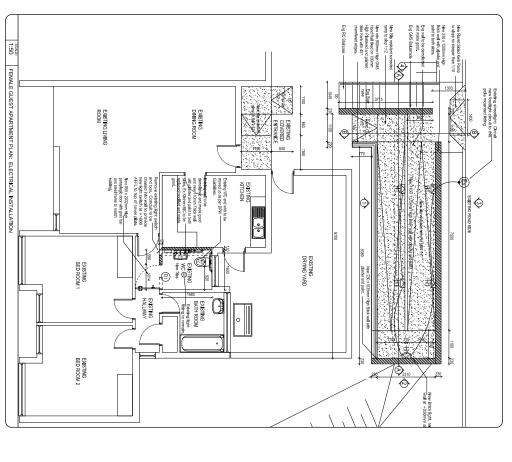
 disse 21.01.2013
 drawn J GILLESPIE

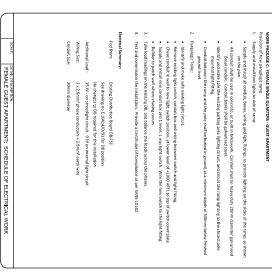
 drawleg number
 M WALKER

1:50 DETAL DESCRIPTOR.

1:50 LOGISTICS PLAN: PARAPLEGIC ABLUTION - ELECTRICAL INSTALLATION & SCOPE OF WORK

EE10414/BI/01





Ebsally when the Barry to file 1:12 Seren Thick Concrete Ramp to file 1:12 Seren Thick Concrete Ramp to file 1:12 on 250rtic dan on 50mm on well cons. on 250rtic dan on 50mm on well cons. 900mm x 32mm0 Galvertized Mild Sleel Lube rafiling with 180x50x8mm MS brackets wided on and with 12mm0 holes chiled for fining birds upperand. Existing Brick well to be demolished and made good. 110mm Thick brick wall with plaster and — paint. 230mm Thick brick wall with plaster —— and paint. 1:50 FEMALE GUEST APARTMENT: RAMP ELEVATION 1 0 New Brick light, recessed into wall at +230mm above FFL

LEGEND & NOTES

ELECTRICAL LEGEND:

Type G2 - Round Bulkhead luminaire with a white trim and 2 x PL 9W lamps

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GENERAL NOTES

Type H1 - Bricklight luminaire with LED lamp

Existing pole mounted streetlight Light switch - 1 Lever, 1 Way switching

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All light switches and access control readers shall be horizontally aligned with door handles (i.e. +1000mm a FFL to the top of the cover plate).

Rocker action, toggle or push-pad switches that operate in the vertical plane shall be used. Push buttons and toggle light switches shall project clean of the switch plate and shall have a width of at least 10mm.

New general purpose sockets outlets (power points) shall be fixed at least 500mm above the finished fbor level, 150mm above work top level and at least 450mm from corners.

REVISIONS J.G. J.G.

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NKANYEZI CONSULTING (PTY) LTD
P-D Box 1422
P-D Box 1422
P-D Box 1422
P-D Box 1422
P-D Box 1427
P-D 1827-086
Fax: (+27) 031 7855487

WESTVILLE DCS - PROVISION OF FACILITIES FOR THE DISABLED DURBAN MEDIUM PRISON, HARRY GWALA ROAD, WESTVILLE, 3629 ELECTRICAL BARTSCH

FEMALE SINGLE QUARTERS GUEST

APARTMENT

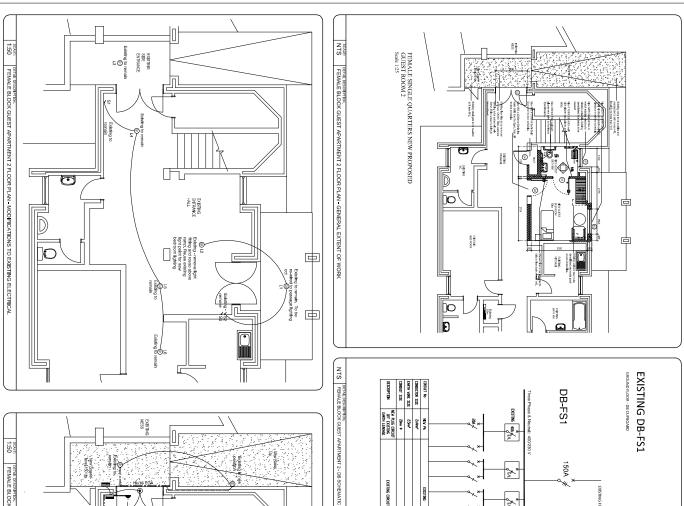
PARAPLEGIC RAMP & ABLUTIONS

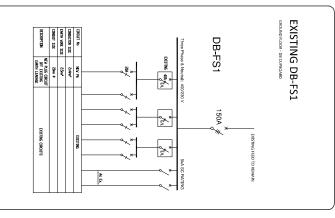
ELECTRICAL INSTALLATION

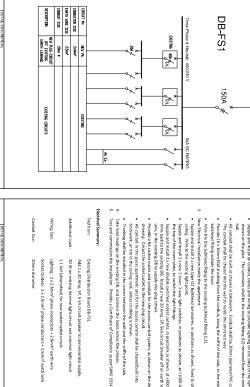
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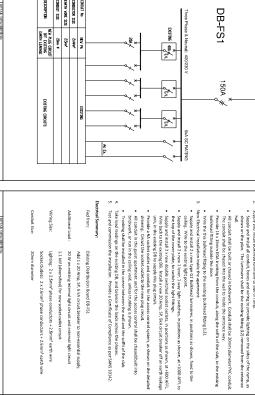
21 designed J GILLESPIE
diama J GILLESPIE
3 checked M WALKER

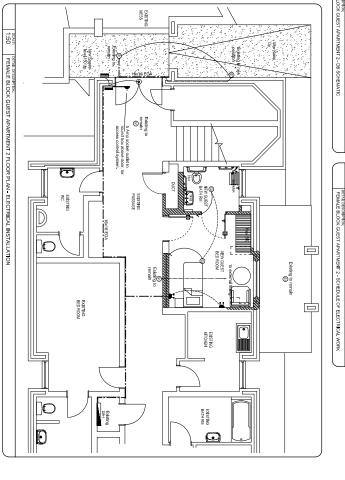
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WORK PACKAGE D: FEMALE SINGLE QUARTERS - GUEST APARTMENT 2 Convert existing entrance hall to new guest spartment. Modify access ra

- Identify the circuit, make sale, disconnect and remove the existing bullchead luminaire in the entrance hall area (12). The light fitting shall be reused above the new ramp. This light point is to be re-used for the bodroom lighting.

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Type G2 - Round Bulkhead luminaire with decorative white trim and 2 x PL 9W lamp: Type G1 - Round Bulkhead luminaire with decorative black trim and 2 x PL 9W lamps

- disconnect and remove the existing light switches in the entrance area (52 and 53)
 we the conduit boxes. The builder is to make good the wall. Cut into the conduit at to provide access to the external luminaire (L1) wiring.
- wire the existing external bulkhead luminaire (L1) outside the existing entrance to the stage lights, via conduit in the ceiling space, and EGA trunking in the passage. y and install bulkhead luminaire to side of ramp:

Double Switched Socket Outlet, thish in wal at +500 AFFL Light switch - 1 Lever, 1 Way switching, at +1000 AFFL

5 Amp unswitched socket outlet in 60mm round conduit box

•

agnetic Door Lock

Switching line

P1 13.02.13 FOOTUGHTS REMOVED AND REPLACED
WITH EXISTING BULKHEAD LUMINAIRE.
KOTES RENJESD
P2 18.02.13 DB DETALS ADDED
T0 28.02.13 FOR TENDER

10

DATE 13.02.13

REVISIONS

Circuit line

- 16 x 18mm EGA trunking

- - ELECTRICAL NOTES All light switches and access control readers shall be horizontally aligned with door handes (i.e. +1000mm above FFL to the top of the cover plate).
- Rocker action, toggle or push-pad switches that operate in the vertical plane shall be used. Push buttons and toggle light switches shall project char of the switch plate and shall have a width of at least 10mm. New general purpose sockets outlets (power points) shall be fixed at least 500mm above the finished floor level, 150mm above work top level and at least 450mm from
- cad fle name EE10414-D-01-P1 FGuest2.dwg A 1

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MR. SIVIWE DONGWANA

NKANYEZI CONSULTING (PTY) LTD
PO Box 1432
PO Box 1432
PO Box 1432
PO 324 O
Tal: (+27) 031 7057365
Fac: (+27) 031 7655487

ELECTRICAL BARTSCH

WESTVILLE DCS - PROVISION OF FACILITIES FOR THE DISABLED DURBAN MEDIUM PRISON, HARRY GWALA ROAD, WESTVILLE, 3629

FEMALE SINGLE QUARTERS GUEST

APARTMENT 2

PARAPLEGIC RAMP & NEW APARTMENT
ELECTRICAL INSTALLATION

WCS 049089

EE 10414/D/01

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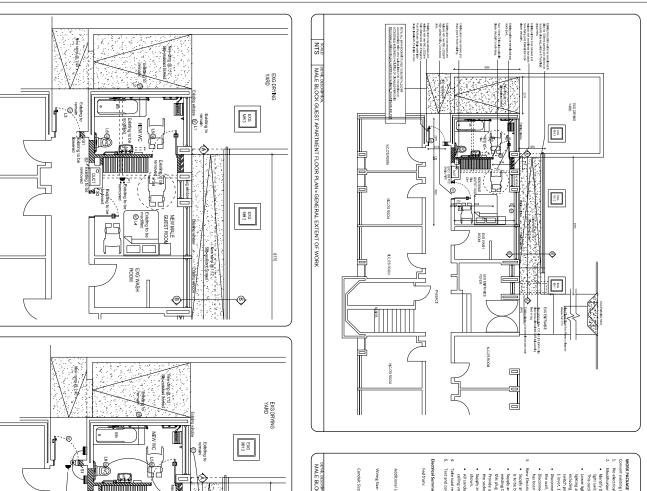
GENERAL NOTES

THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CO-ORIGINATION OF THIS INSTRALLATION WITH THOSE OF THE OTHER SUBTRACES.

Electrical Distribution board

LEGEND & NOTES

THIS DRAWING IS ISSUED ONLY FOR THE SERVICE MODIFIED IN THE TITLE BLOCK FOR CONSTRUCTION DETAILS REFER TO THE ARCHITECTURAL & CO-ORDINATED DRAWNES.





EXG MH 2



- Work sociality in Must Send Characters Guist Apartment
 Connect resting before no required private or the access ramp.

 1. No electrical and required for the access ramp.

 2. Moderational to the sending solutions.

 2. Moderational to the sending solutions.

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- d remove existing light fittings L4, L5 and L6, and re-install in the same positions, once the ceiling

- Supply and install a new light entitof for the bathroom lighting, at +1000 AFFL, in the position as shown. Conduit to be shall in the wall up to colling level, and then on one the colling odd to the light fittings. The supply and testall 2 new dother withheld codets outlets, in positions as shown, at +500 AFFL. When back to the entiting (bit Install a new 20 Juny, St. Safe chard benefiter off an earth balage mit, in the entiting DB to supply this policy circuit.
- Provide a 5A social outlet and conduit for the access control system, as shown on the detailed drawing. Circuit the codert outlet to the new plug drouit.

 Supply and install a new builthead luminaire (Type G1) on external wall, at height to match existing, in position shown.

- All conduit in the guest sportment and for the access control shall be chased/built into bein ceiling vold. The passages have a 600 x 1200mm grid lay-in ceiling,
 Take load readings on the existing BB, and balance the loads across the phases.
 Test and commission the installation. Provide a Certificate of Compilance as per SAMS 10142.

 $20\,\mathrm{W}$ on existing internal light circuit and on existing external light circuit add 1 x 20 Amp, SP, 5 kA circuit breaker to non-essential supply.

Lighting: 2×2.5 mm² phase conductors + 2.5mm² earth wire Vet 1.1 kW (diversified) for new socket outlet circuit

MALE BLOCK GUEST APARTMENT - SCHEDULE OF ELECTRICAL WORK

LEGEND & NOTES

- Electrical Distribution board ELECTRICAL LEGEND:
- Type G1 Round Bulkhead luminaire with decorative black trim and 2 x PL 9W lamps

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GENERAL NOTES

- Type G2 Round Bulkhead luminaire with decorative white trim and 2 x PL 9W lamps
- Light switch 1 Lever, 1 Way switching, at +1000 AFFL

- Double Switched Socket Outlet, flush in wal at +500 AFFL
- 5 Amp unswitched socket outlet in 60mm round conduit box
- lagnetic Door Lock
- , Switching line Circuit line

8 2 2 S

DATE 13.02.13 18.02.13 28.02.13

AMENDMENT
72.13 NOTES REVISED
7.13 DE DÉTAILS ADDED
13 FOR TENDER

J.G. W.4'd

REVISIONS

-- 16 × 16mm EGA trunking

- All light switches and access control readers shall be horizontally aligned with door handles (i.e. +1000mm above FFL to the top of the cover plate).
- Rocker action, toggle or push-pad switches that operate in the vertical plane shall be used. Push buttons and toggle fight switches shall project clear of the switch plate and shall have a width of at least 10mm.

New general purpose sockets outlets (power points) shall be fixed at least 500mm above the finished floor level, 150mm above work top level and at least 450mm from concern

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THE (PTO) LTO					
	Teb (+27) 031 7657366 Fax: (+27) 031 7655467	Kloof 3840	P.O.Box 1432	NKANYEZI CONSULTING (PTY) LTD	

discipline	andriffect	METHENOC
ELECTRICAL	BARTSCH	Tat (+27) 031 7 Fac: (+27) 031 7

NEW MALE

DB-M1

200A

EXG WASH ROOM

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HACILITIES FOR THE DISABLED DURBAN MEDIUM PRISON, HARRY GWALA ROAD, WESTVILLE, 3629

WCS 049089

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cile 1:50	drawn	_	J GILLESPIE
30 21 22 22 3	checked	:	checked as was person

EE 10414/F/01

N.T.S. MALE BLOCK GUEST APARTMENT - DB SCHEMATIC

1:50

ISERIAL DESCRIPTION.
MALE BLOCK GUEST APARTMENT FLOOR PLAN - MODIFICATIONS TO EXISTING ELECTRICAL

1:50

TOTAL DESCRIPTION.

MALE BLOCK GUEST APARTMENT FLOOR PLAN - ELECTRICAL INSTALLATION

N.C.O'S ROOM

N.C.O'S ROOM

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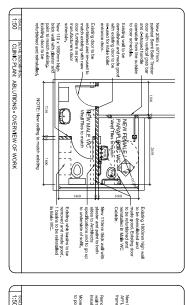
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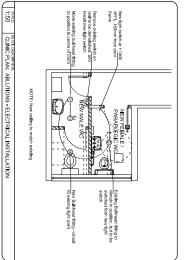
5 Amp socket outlet in round box above door, for access control system.

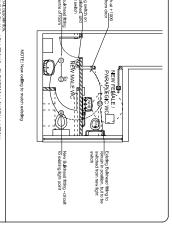
N.C.O'S ROOM

N.C.O'S ROOM

N.C.O'S F







WORK PACKAGE G: CLINIC

- Identify and make safe existing light circuit.

 Remove existing light switch, conduit box and w
 wall is to be demolished.
- Move one existing light fitting, to middle of room, and supply and install 1x new Type G1 light fitting. 1x existing light fitting is to remain in position.
- Supply and fiscall 2 x 1 lever, 1 vaw light, switches, including conduit box, conduit and
 wiring. Review the lighting circuit to such whiching arrangement as aboven.
 Baileth to pack wall where during occurs.
 Take load readings on the existing DB, and balance the loads aross the phases.

- All light switches and access control readers shall be horizontally aligned with door handles (i.e. +1000mm above FFL to the top of the cover plate).

- The light switches shall be clearly marked.

LEGEND & NOTES

ELECTRICAL LEGEND:

Type G1 - Round Bulkhead luminaire with decorative black trim and 2×PL 9W lamps

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GENERAL NOTES

THE <u>ELECTRICAL COMTRACTOR</u> SWILL BE RESPONSIBLE FOR CO-ORDINATION O THIS INSTALLATION WITH THOSE OF THE OTHER SUB TRACES.

Light switch-2 Lever, 1 Way switching, at +1000 AFFL Light switch - 1 Lever, 1 Way switching, at +1000 AFFL

Circuit line Switching line

ELECTRICAL NOTES:

Electrical Summary Fed from: Test and commission the installation. Provide a Certificate of Compliance as per SANS 10142 Existing Distribution Board DB-CL

20 W on internal light circuit No changes required

20mm diameter

2 x 2.5mm² phase conductors + 2.5mm² earth wire

CLINIC PLAN: ABLUTIONS - OVERVIEW OF WORK

- Rocker action, toggle or push-spad switches that operate in the vertical plane shall be used. Push buttons and toggle light switches shall project clear of the switch plane and shall have a width of at least form.

6 6 6

REVISIONS

- New general purpose sockets outlets (power points) shall be fixed at least 500mm above the finished floor level, 50mm above work top level and at least 450mm from corners.

Arweiga -Existing light fitting to remain, but switching to be modified Existing light fitting to remain, but switching to be modified

WORK PACKAGE J: JUVENILE BLOCK Convert existing staff ablution to para paraplegic ablution.

cad the name EE10414-GU-01-P1 Clinic&Juvenile.dwg

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- If the plage Authors
 Identify and make the equipal plat circuit.
 Remove existing light switch, conduction and winning between switch and light fishing.
 Remove existing light switch, broads position, as lower level of 1.000 JPTs to log of which cover judy, and Stems from code of lower light.
 Judy 2015 Stems from code of lower light.
- Supply and install new conduit box and 1 lever, 1 way light switch. Wire the new switch to the light fitting.
- Builder to patch wall where chasing occurs.
- Juvenile Visitors Paraplegic Ablution:

 Supply and install a new Type G1 bulkhead lu shown.
- I clientify and make arise estima (gift crimer). Becomes estiming light sweeth, conduct and writing between works and elight efforts. If it is a wall which to be demolated and service. Supply and tradal limits works and 2 livers, I was light worth. When the parapolitic lighting times are to the reason was for concurate the entirely light frienge, and printing worthing swelfing and printing and printing and printing and printing and printing worthing worthing worthing and makes we demonst down printing.

1:50 JUVENILE STAFF PARAPLEGIC ABLUTION PLAN: ELECTRICAL INSTALLATION

200 September 1

by Maje WC and made

Edisting door and existing 1800mm high wall to be moved up and made good.

Have 200m This bit is visual with photos are on other to an other are other to be did does in match as which you does in the property does to be measured and financial wilders for more of all that for part implicate with many 1200 is down paradised of this soul whose in much esting windows with min term that to approved salely property good to a soul window property salely that is a soul pass with a considerate with the property pass will be accordance with the pass of the considerate with the property pass with a considerate with the pass of the considerate with the considerate with the pass of the considerate with the consideration with the considerate with the consid

Remove existing light switch and box.
Conduit to be chased into wall to
provide new light switch at +1000 AFFL
to top of cover plate, 150mm from door
frame.

HEWSTWEE PARAGEGO V

Edding 1500mm kigh wall to be denote the control of make good .

Edding data to see filed with D-chapsed road and follow to be openate from the saled. Door to have no grab but included. Edding basin to be re-used and all taps to be replaced with new 200mm Level flush handle system to all flush volves. Existing 1800mm high well to be demolished and made good. Existing light fitting to remain Edding hand basins to be removed and made good:

- Builder to patch wall where chasing occurs.
 Take load readings on the existing DB, and balance the loads across the phases.
 Test and commission the installation. Provide a Certificate of Compliance as per.

Test and con

Fed from:

No changes required

20 W on internal light circuit

Wiring Size: Conduit Size:

JUVENILE BLOCK - SCHEDULE OF ELECTRICAL WORK

1:50

JUVENILE VISITORS PARAPLEGIC ABLUTION: GENERAL EXTENT OF WORK

1:50

DEFAULDS SEPTION:

JUVENILE VISITORS PARAPLEGIC ABLUTION: ELECTRICAL INSTALLATION

New 2 lever, 1 way ligh

public works

Public Works
REPUBLIC OF SOUTH AFRICA

MR, SIVIWE DONGWAYA

NKANYEZI CONSULTRIG (PTY) LTD
P-D Box 1432
P-D Box 1432
P-D Box 1432
P-D G 3240
Tel: (+27) 031 785786
Fax: (+27) 031 785587

BARTSCH

ELECTRICAL

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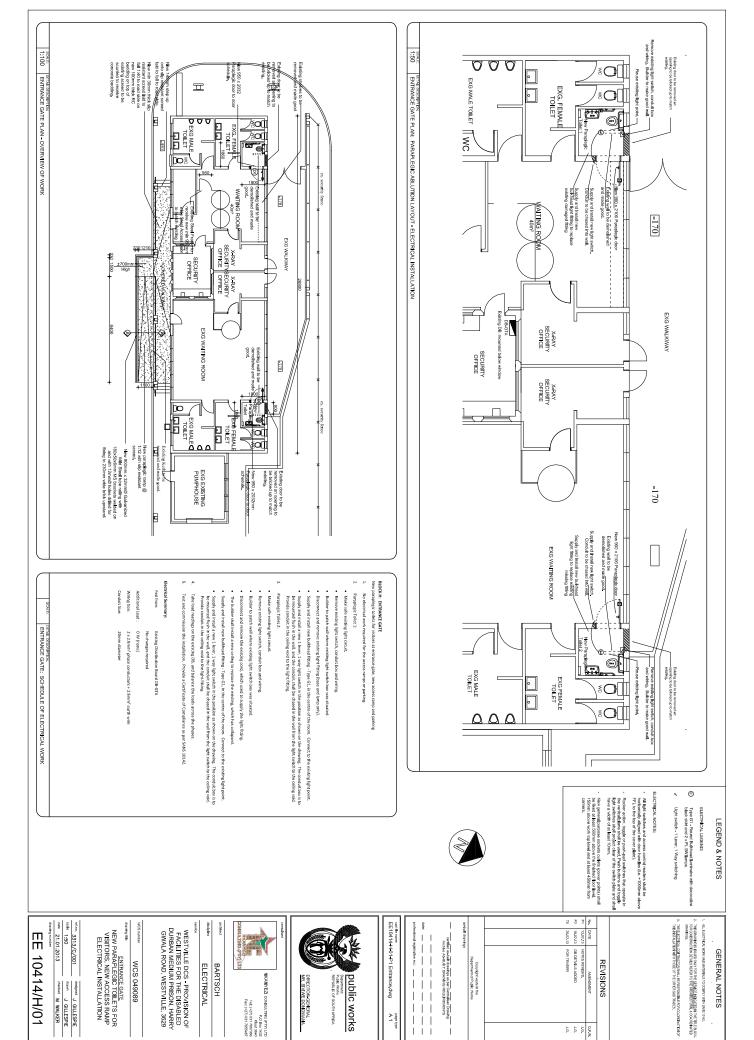
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 scale 1:50
 drawn J GILLESPIE

 date 21.01.2013
 drawnad M WALKER
 CLINC (G) & JUVENILE CELL BLOCK (J)
NEW PARAPLEGIC TOILETS FOR
VISITORS AND STAFF
ELECTRICAL INSTALLATION

EE10414/GJ/01



J.G.

