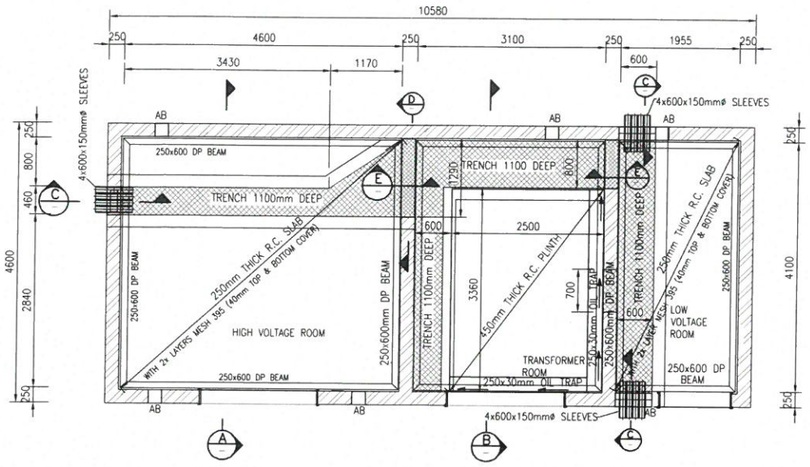
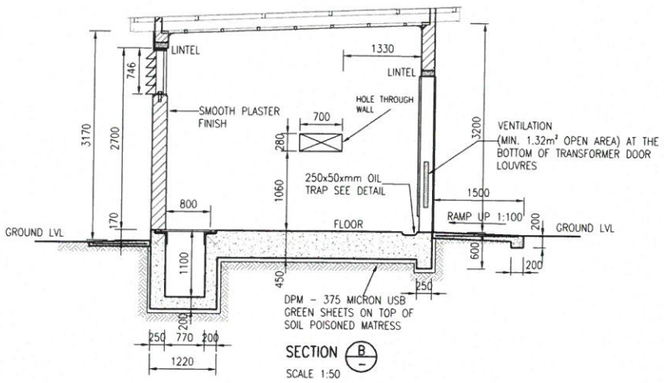
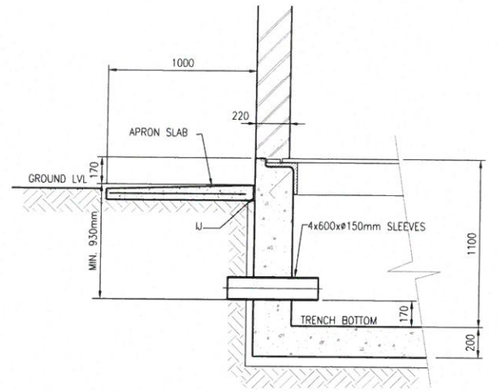



FOUNDATION LAYOUT
SCALE 1:50




SECTION B
SCALE 1:50



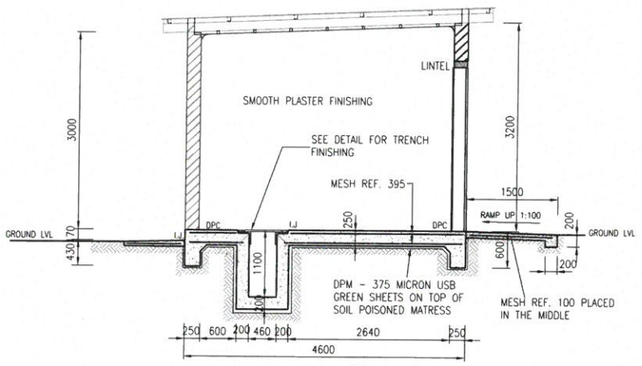

SECTION C (CABLE SLEEVES)
SCALE 1:20

**BRICKWORK NOTES!**

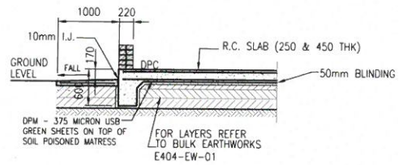
(i). ALL BRICKWORK IN WALLS, TRENCHES AND FOUNDATIONS TO BE FACEBRICK INSIDE AND OUT
(ii). MORTAR TO BE CLASS II
(iii). BRICKFORCE TO BE BUILT INTO EVERY FOURTH COURSE
(iv). PRECAST LINTELS TO BE INSTALLED OVER ALL OPENINGS

**BRICKWORK SPECIFICATION:**

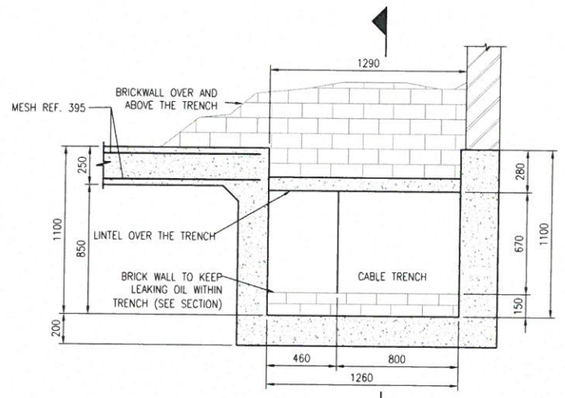
COROBRIK:
(i). MASONRY FACE BRICK CAPE STORMBERG TO BE USED
(ii). BRICK TEXTURE TO BE RUSTIC BROWN
(iii). BRICK DIMENSIONS ARE 222x106x73 mm



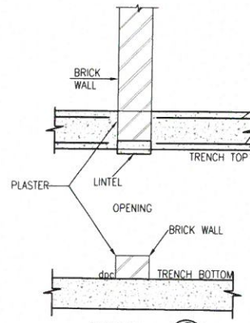

SECTION A
SCALE 1:50



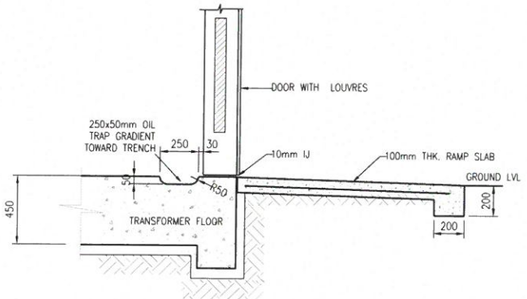

EARTHWORKS DETAILS (TYPICAL)
SCALE 1:50



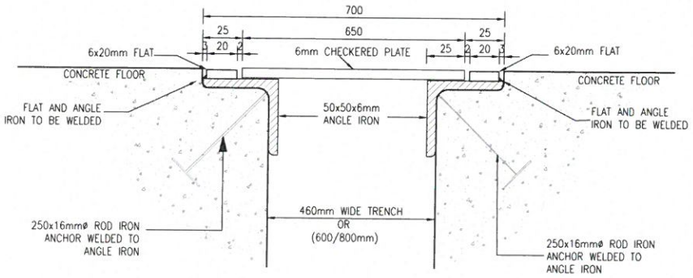

PART SECTION D
SCALE 1:20




SECTION E
SCALE 1:20




DETAIL OF OIL TRAP
SCALE 1:20




DETAIL OF TRENCH AND CHECKER PLATE SUPPORT
SCALE 1:2

Reg No 2013/470222

## GENERAL NOTES:

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2. DIMENSIONS MUST NOT BE SCALED OR ASSUMED. AFTER NOTIFICATION, DISCREPANCIES OR MISSING DIMENSIONS WILL BE CORRECTED IN WRITING BY THE ENGINEER.
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4. CONCRETE STRENGTH:
   GROUND FLOOR : 30Mpa
   GROUND BEAMS : 30Mpa
   COLUMNS : 30Mpa
5. COVER TO REINFORCEMENT: AS SHOWN ON BENDING SCHEDULES.
6. DIMENSIONS AND LEVELS TO BE VERIFIED BY CONTRACTOR ON SITE. ANY DEVIATION OF DETAILS FROM DETAILS SHOWN HERE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
7. UNLESS OTHERWISE NOTED IN THE PROJECT TECHNICAL SPECIFICATION, ALL CONSTRUCTION DETAILS TO COMPLY WITH S.A.N.S. 1200 SERIES OF SPECIFICATIONS.
8. ALL CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 420 kg/m3 AND MINIMUM CEMENT/WATER RATIO OF 2.2
9. ENGINEER TO INSPECT THE SLAB PRIOR TO CASTING OF CONCRETE.
10. 50mm BLINDING TO BE 10Mpa CAST BELOW FOUNDATIONS
11. CURING TO BE CARRIED OUT USING APPROVED SANS CURING COMPOUND OR POLYTHENE SHEETING. IN EXTREME HEAT CONDITIONS, I.E. >35°C, SHADING MUST BE PROVIDED BY THE CONTRACTOR.
12. SEALANT SHALL BE JACOFLEX 972 FLOW GRADE (OR SIMILAR APPROVED) POLYSULPHIDE SEALANT WITH AN APPROVED EPOXY PRIMER.
13. CEMENT TO BE OPC OR PC 15.
14. PROVIDE BUTTERFLY TIES 150-200mm LENGTH, 75-100 WIDE WITH MOISTURE DRIP SPACED AT 600mm CENTRES

| Reference Drawings | | Revision History | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Drg. No. | Description | REV | Description | BY | Chk'd | Eng | Date |
| E404-S-703 | ELEVATION VIEWS & DETAILS | 1 | CONSTRUCTION BRICK TYPE UPDATED | B.N | S.K. | S.D. | 25/07/2016 |
| E404-S-702 | BRICK WORK LAYOUT & DETAILS | 0 | ISSUED FOR CONSTRUCTION | A.L.M. | S.K. | S.D. | MAY 2016 |

**FREE STATE PROVINCIAL GOVERNMENT**

**DEPARTMENT OF HUMAN SETTLEMENT**

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| LEBOHANG BUILDING ST ANDREW STREET BLOEMFONTEIN 9301 | PO BOX 221 BLOEMFONTEIN 9300 |

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| LTE House Building 1 Office Park (Belvedere Place) 5 Eglin Road, Sunning Hill 2157 Tel: +27 (0) 11 061 5700 Fax: +27 (0) 11 061 5773 | Postnet Suite No. 325 Private Bag X26 Sunninghill 2157 |

| | | | |
|---|---|---|---|
| APPROVED | K.MUDZAMIRI | | MAY/2016 |
| ENGINEER | S. DUBE | | MAY/2016 |
| CHECKED | B. NDLOVU | | MAY/2016 |
| DRAWN | C.W.K/ALM | | MAY/2016 |
| AS SHOWN | Name | Signed | Date |

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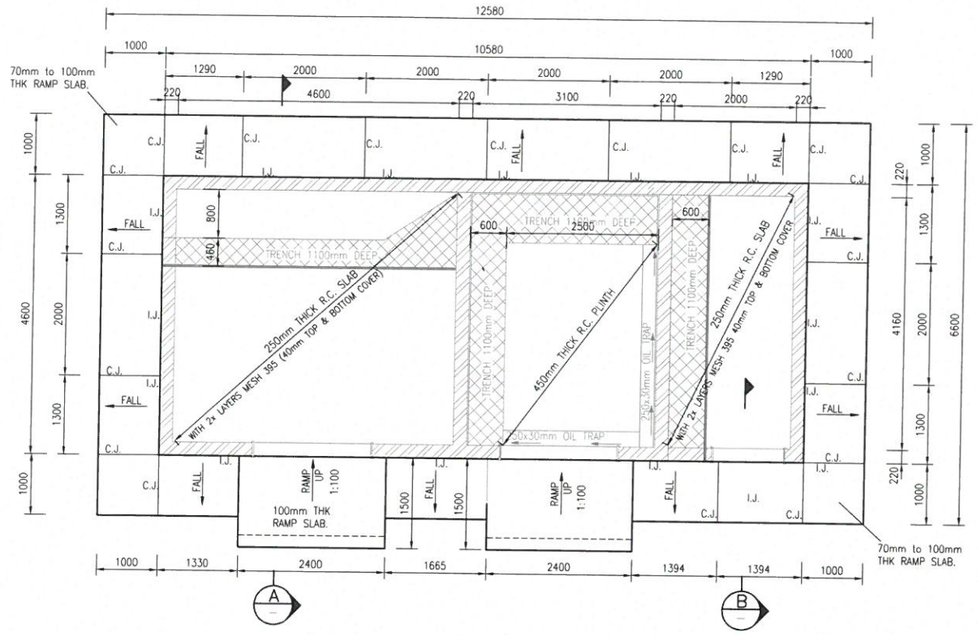
PROJECT NAME: **DARK & SILVER CITY HOUSING DEVELOPMENT (BOTTOM SITE)**

Project Number: E404

Drawing TITLE: **SUBSTATION BUILDING FOUNDATION LAYOUT, SECTIONS AND DETAILS**

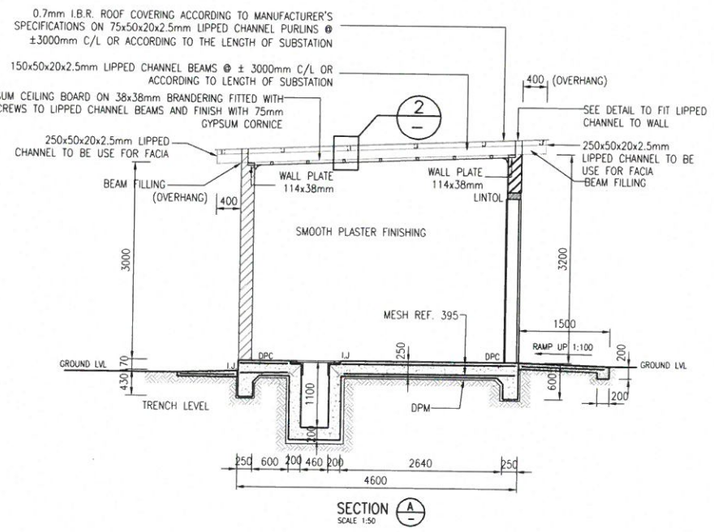
LTE Drawing No.: E404-S-701

Rev: 01



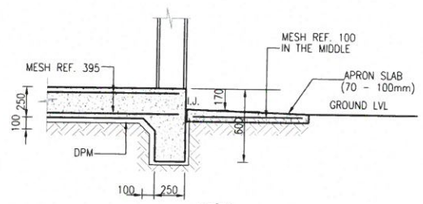

APRON & BRICK WORK LAYOUT

SCALE 1:50



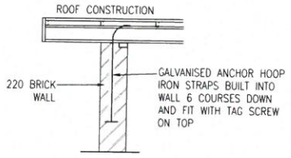

SECTION A

SCALE 1:50



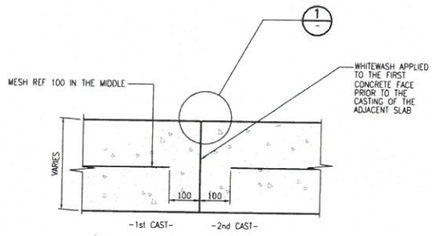

SECTION B

SCALE 1:25




ROOF DETAIL

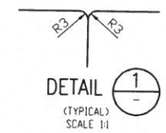
SCALE 1:25




APRON SLAB
CONSTRUCTION JOINT DETAIL (CJ)

(TYPICAL)

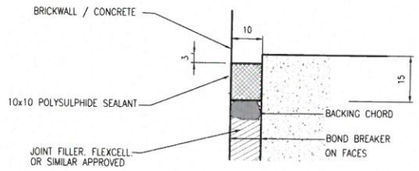
SCALE 1:5




DETAIL 1

(TYPICAL)

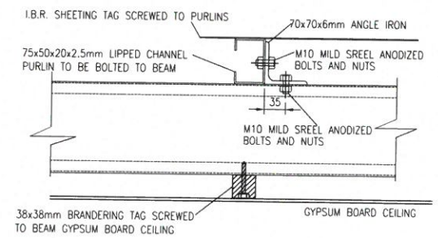
SCALE 1:1

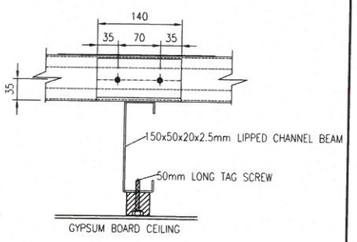



ISOLATION JOINT (IJ)

(TYPICAL DETAIL)

SCALE 1:1




DETAIL 2

SCALE 1:5

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| Drg. No. | Description |
|---|---|
| E404-S-703 | ELEVATION VIEWS & DETAILS |
| E404-S-701 | FOUNDATION LAYOUT & DETAILS |

Reference Drawings

| REV | Description | BY | Chk'd | Eng | Date |
|---|---|---|---|---|---|
| 1 | CONSTRUCTION BRICK TYPE UPDATED | B.N | S.K. | S.D. | 25/07/2016 |
| 0 | ISSUED FOR CONSTRUCTION | A.L.M | SK | S.D. | MAY 2016 |

Revision History

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DEPARTMENT OF HUMAN SETTLEMENT

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| | | | |
|---|---|---|---|
| APPROVED | K.MUDZAMIRI | | MAY 2016 |
| ENGINEER | S. DUBE | | MAY 2016 |
| CHECKED | M.NDLOVU | | MAY 2016 |
| DRAWN | GW/ALM | | MAY 2016 |
| AS SHOWN | Name | Signed | Date |

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PROJECT NAME: DARK & SILVER CITY HOUSING DEVELOPMENT (BOTTOM SITE)

Project Number: E404

Drawing TITLE: SUBSTATION BUILDING APRON SLAB LAYOUT, SECTIONS AND ROOF DETAILS

LTE Drawing No.: E404-S-702

Rev: 01