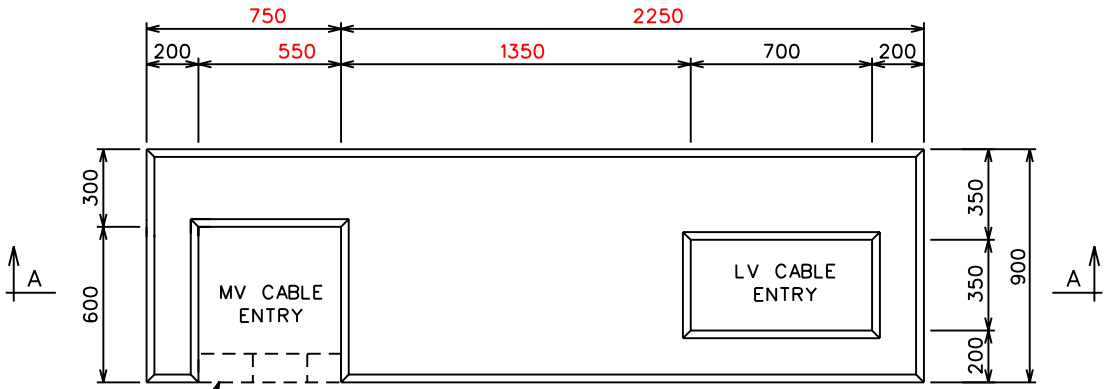


SECTION A-A
SCALE 1 : 20



PLAN
SCALE 1 : 20

NOTES :
1. 25 MPa CONCRETE TO BE USED. CONCRETE TO BE VIBRATED.
2. BOTTOM OF FOUNDATION TO BE COMPACTED AFTER EXCAVATION TO 95% MOD AASHTO.
3. REF 617 STEEL MESH PLACED 50mm FROM BOTTOM OF SLAB.
4. CONCRETE TO BE CURED FOR 7 DAYS WITH APPROVED CURING METHOD.
5. FOUNDATION TO HAVE A 30mm CHAMFER ALL AROUND.
6. FOUNDATION NOT FOR PRE-CAST ITEMS. (IE : CAST IN SITU).

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
13	UNIVERSAL TYPE 'A' PLINTH DIMENSION CHANGED	P.A.V.	B.MWAREHWA	R. KELLY	02.11.07	
12	HOLDING DOWN BOLTS ADDED TO SHEETS 6 & 7	P.A.V.	R.KELLY	R. KELLY	02.11.07	
11	DIMENSION CORRECTED ON SHEETS 3, 4, 6 AND 7	P.A.V.	R.KELLY	R. KELLY	28.08.07	

Eskom Distribution

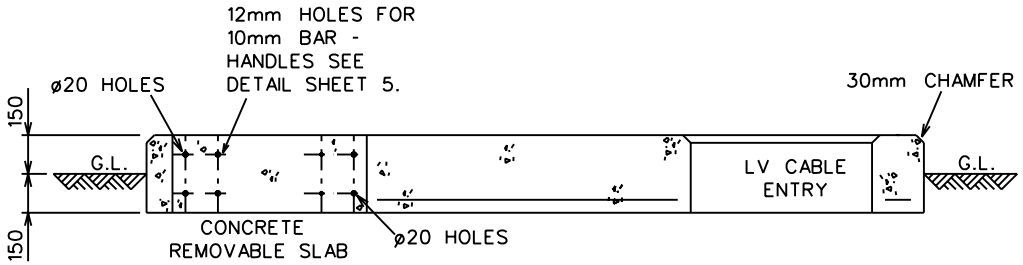
AUTH: P.CROWDY
DATE: 12/10/1999
CHKD: G.WHYTE
DATE: 12/10/1999
DRAWN: P.VERMAAK
DATE: 30/09/1999

11/22kV UNIVERSAL TYPE 'A' MINI-SUBSTATION PLINTH (CAST ON SITE)

D-DT-0859	SET	SHEET	REVISION
	7	1	13

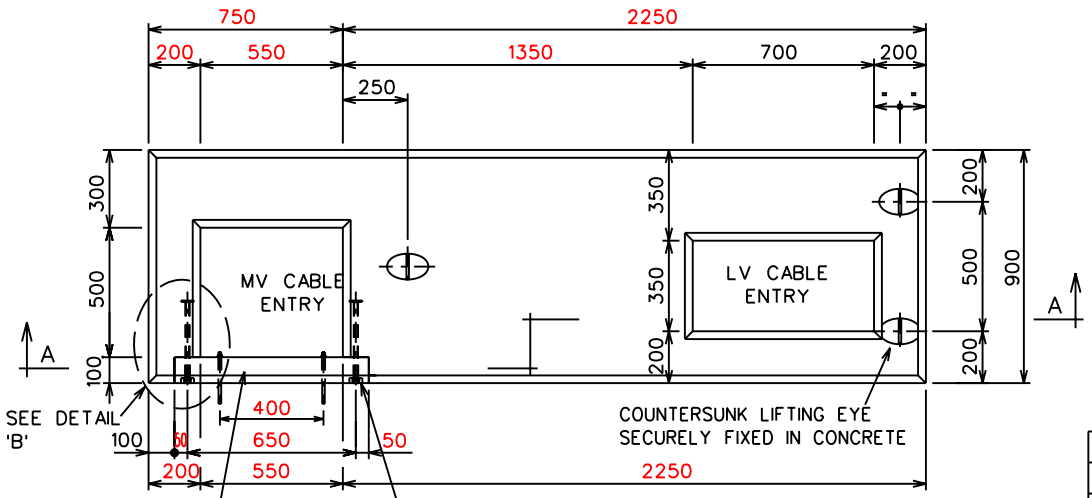
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SECTION A-A
SCALE 1 : 20

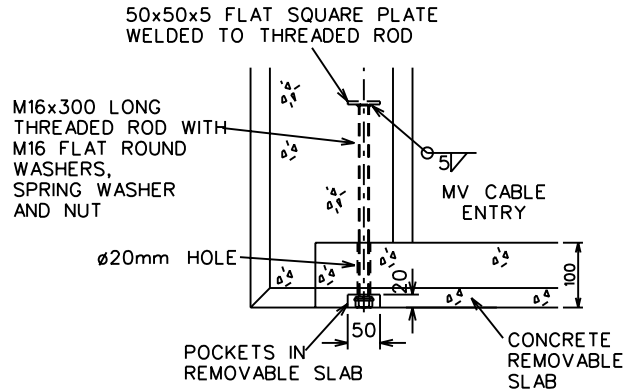
NOTES :
1. 25 MPa CONCRETE TO BE USED. CONCRETE TO BE VIBRATED.
2. BOTTOM OF FOUNDATION TO BE COMPACTED AFTER EXCAVATION TO 95% MOD AASHTO.
3. REINFORCING AND COUNTERSUNK LIFTING EYES TO BE DESIGNED AND DETAILED BY MANUFACTURER.
4. ALL THE STEEL COMPONENTS (EXCEPTING THE REINFORCING) ARE TO BE STAINLESS STEEL.
5. CONCRETE TO BE CURED FOR 7 DAYS WITH APPROVED CURING METHOD.
6. FOUNDATION AND REMOVABLE PRE-CAST CONCRETE SLAB TO HAVE A 30mm CHAMFER AS SHOWN.
7. GROSS MASS AND ESKOM SAP No. (D-DT-8025) TO APPEAR ON PLINTH SIDE WALL.



MV CABLE ENTRY TO HAVE 1100 LG. x 100 WD. REMOVABLE PRE-CAST CONCRETE SLAB.

- M16 x 300 (4 OFF) THREADED RODS TO BE SECURED INTO MAIN PLINTH BODY WITH A 50x50x5 FLAT SQUARE PLATE WELDED TO EACH BOLT AS ANCHOR. 20mm DIA. HOLES (4 OFF) TO BE PROVIDED IN REMOVABLE SLAB FOR EACH M16 THREADED ROD.
- 20mm DEEP x 50mm DIA. POCKETS (4 OFF) TO BE PROVIDED IN REMOVABLE CONCRETE SLAB (FRONT FACE) TO HOUSE THE M16 NUT, LARGE FLAT ROUND WASHER AND SPRING WASHER.

PLAN
SCALE 1 : 20



DETAIL 'B'

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
13	UNIVERSAL TYPE 'A' PLINTH DIMENSION CHANGED	P.A.V.	B.MWAREHWA	R. KELLY	02.11.07	
12	HOLDING DOWN BOLTS ADDED TO SHEETS 6 & 7	P.A.V.	R.KELLY	R. KELLY	02.11.07	
11	DIMENSION CORRECTED ON SHEETS 3, 4, 6 AND 7	P.A.V.	R.KELLY	R. KELLY	28.08.07	

Eskom Distribution

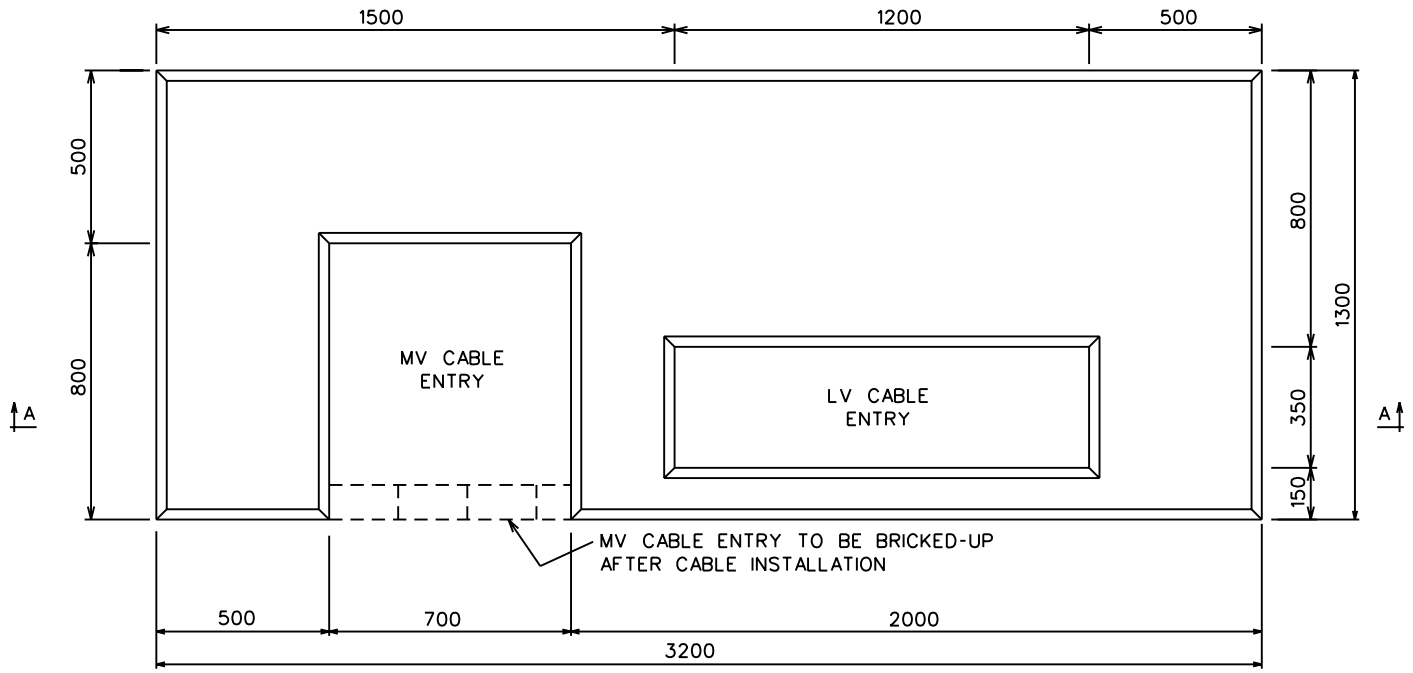
AUTH: P. CROWDY
DATE: 12/10/1999
CHKD: G. WHYTE
DATE: 12/10/1999
DRAWN: P. VERMAAK
DATE: 30/09/1999

11/22kV UNIVERSAL TYPE 'A' MINI-SUBSTATION PLINTH (PRE-CAST)

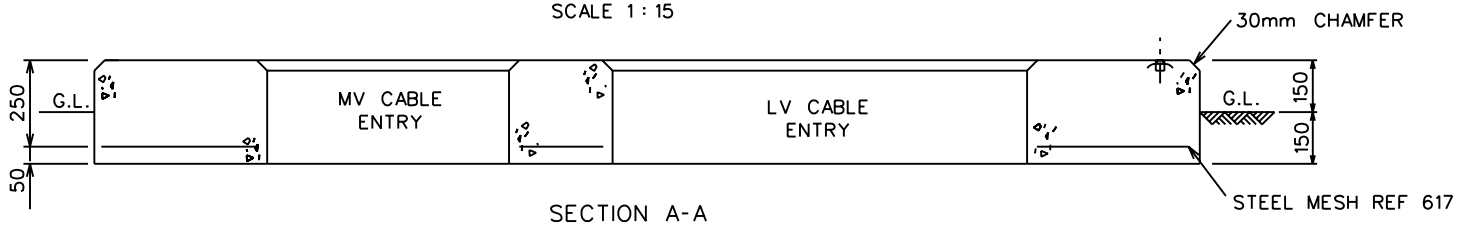
D-DT-0859	SET	SHEET	REVISION
	7	2	13

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PLAN VIEW
SCALE 1 : 15



SECTION A-A
SCALE 1 : 15

NOTES :
1. 25 MPa CONCRETE TO BE USED. CONCRETE TO BE VIBRATED.
2. BOTTOM OF FOUNDATION TO BE COMPACTED AFTER EXCAVATION TO 95% MOD AASHTO.
3. REF 617 STEEL MESH PLACED 50mm FROM BOTTOM OF SLAB.
4. CONCRETE TO BE CURED FOR 7 DAYS WITH APPROVED CURING METHOD.
5. FOUNDATION TO HAVE A 30mm CHAMPHER ALL AROUND.
6. FOUNDATION NOT FOR PRE-CAST ITEMS. (IE : CAST IN SITU).

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
13	UNIVERSAL TYPE 'A' PLINTH DIMENSION CHANGED	P.A.T.	B.MWAREHWA	R. KELLY	03.12.09	
12	HOLDING DOWN BOLTS ADDED TO SHEETS 6 & 7	P.A.V.	R. KELLY	R. KELLY	02.11.07	
11	DIMENSION CORRECTED ON SHEETS 3, 4, 6 AND 7	P.A.V.	R. KELLY	R. KELLY	28.08.07	

Eskom Distribution

AUTH: P. CROWDY
DATE: 12/10/1999
CHKD: G. WHYTE
DATE: 12/10/1999
DRAWN: P. VERMAAK
DATE: 30/09/1999

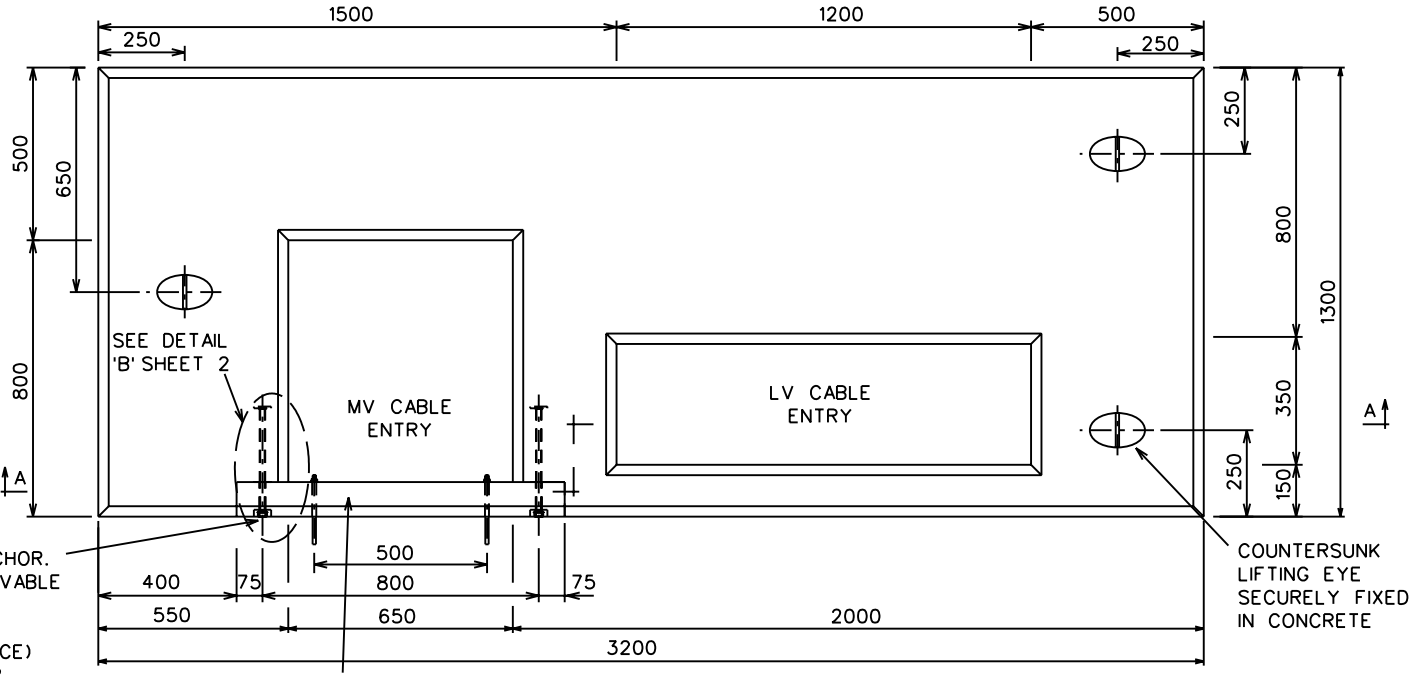
11/22kV 1 MVA TYPE "A" MINI-SUBSTATION PLINTH DETAILS (CAST ON SITE)

D-DT-0859

SET	SHEET	REVISION
7	3	13

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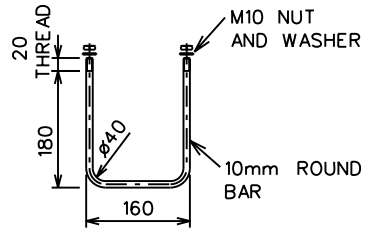
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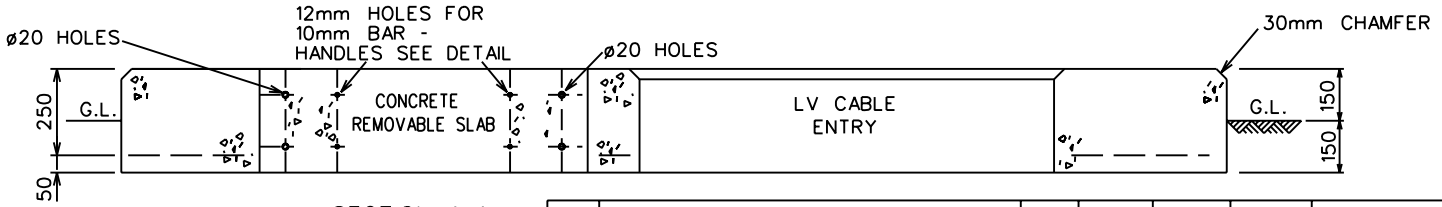
- M16 x 300 (4 OFF) THREADED RODS TO BE SECURED INTO MAIN PLINTH BODY WITH A 50x50x5 FLAT SQUARE PLATE WELDED TO EACH BOLT AS ANCHOR. 20mm DIA. HOLES (4 OFF) TO BE PROVIDED IN REMOVABLE SLAB FOR EACH M16 THREADED ROD.
- 20mm DEEP x 50mm DIA. POCKETS (4 OFF) TO BE PROVIDED IN REMOVABLE CONCRETE SLAB (FRONT FACE) TO HOUSE THE M16 NUT, LARGE FLAT ROUND WASHER AND SPRING WASHER.

MV CABLE ENTRY TO HAVE 1100 LG. x 100 WD. REMOVABLE PRE-CAST CONCRETE SLAB.

PLAN VIEW
SCALE 1 : 15



HANDLE DETAIL
(2 OFF PER PLINTH)



SECTION A-A
SCALE 1 : 15

NOTES :
1. 25 MPa CONCRETE TO BE USED. CONCRETE TO BE VIBRATED.
2. BOTTOM OF FOUNDATION TO BE COMPACTED AFTER EXCAVATION TO 95% MOD AASHTO.
3. REINFORCING AND COUNTERSUNK LIFTING EYES TO BE DESIGNED AND DETAILED BY MANUFACTURER.
4. ALL THE STEEL COMPONENTS (EXCEPTING THE REINFORCING) ARE TO BE STAINLESS STEEL.
5. CONCRETE TO BE CURED FOR 7 DAYS WITH APPROVED CURING METHOD.
6. FOUNDATION AND REMOVABLE PRE-CAST CONCRETE SLAB TO HAVE A 30mm CHAMFER AS SHOWN.
7. GROSS MASS AND ESKOM SAP No. (D-DT-8025) TO APPEAR ON PLINTH SIDE WALL.

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
13	UNIVERSAL TYPE 'A' PLINTH DIMENSION CHANGED	P.A.T.	B.MWAREHWA	R. KELLY	03.12.09	
12	HOLDING DOWN BOLTS ADDED TO SHEETS 6 & 7	P.A.V.	R. KELLY	R. KELLY	02.11.07	
11	DIMENSION CORRECTED ON SHEETS 3, 4, 6 AND 7	P.A.V.	R. KELLY	R. KELLY	28.08.07	

Eskom Distribution

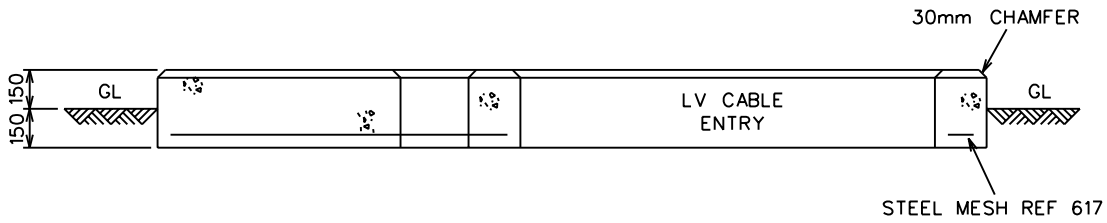
AUTH: P. CROWDY
DATE: 12/10/1999
CHKD: G. WHYTE
DATE: 12/10/1999
DRAWN: P. VERMAAK
DATE: 30/09/1999

11/22kV 1 MVA
TYPE "A" MINI-SUBSTATION
PLINTH DETAILS
(PRE-CAST)

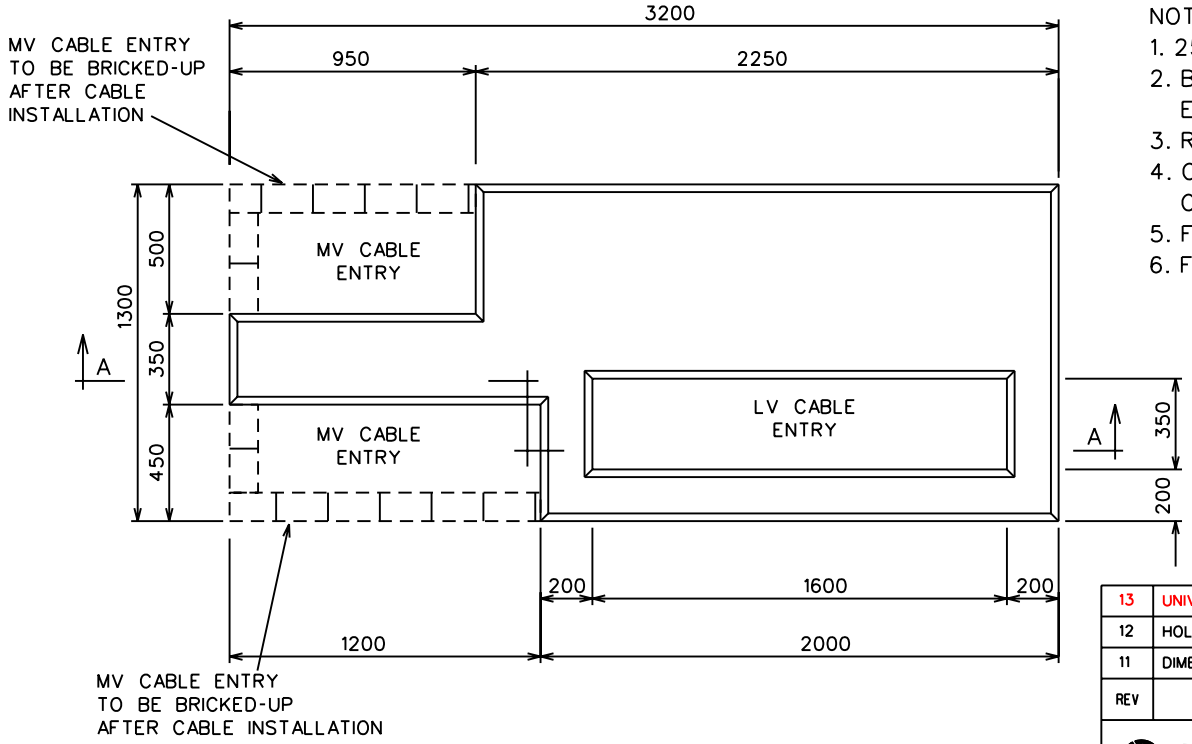
D-DT-0859

SET	SHEET	REVISION
7	4	13

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SECTION A-A
SCALE 1 : 20



PLAN
SCALE 1 : 20

NOTES :
1. 25 MPa CONCRETE TO BE USED. CONCRETE TO BE VIBRATED.
2. BOTTOM OF FOUNDATION TO BE COMPACTED AFTER EXCAVATION TO 95% MOD AASHTO.
3. REF 617 STEEL MESH PLACED 50mm FROM BOTTOM OF SLAB.
4. CONCRETE TO BE CURED FOR 7 DAYS WITH APPROVED CURING METHOD.
5. FOUNDATION TO HAVE A 30mm CHAMFER ALL AROUND.
6. FOUNDATION NOT FOR PRE-CAST ITEMS. (IE : CAST IN SITU).

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
13	UNIVERSAL TYPE 'A' PLINTH DIMENSION CHANGED	P.A.V.	B.MWAREHWA	R. KELLY	02.11.07	
12	HOLDING DOWN BOLTS ADDED TO SHEETS 6 & 7	P.A.V.	R.KELLY	R. KELLY	02.11.07	
11	DIMENSION CORRECTED ON SHEETS 3, 4, 6 AND 7	P.A.V.	R.KELLY	R. KELLY	28.08.07	

Eskom Distribution

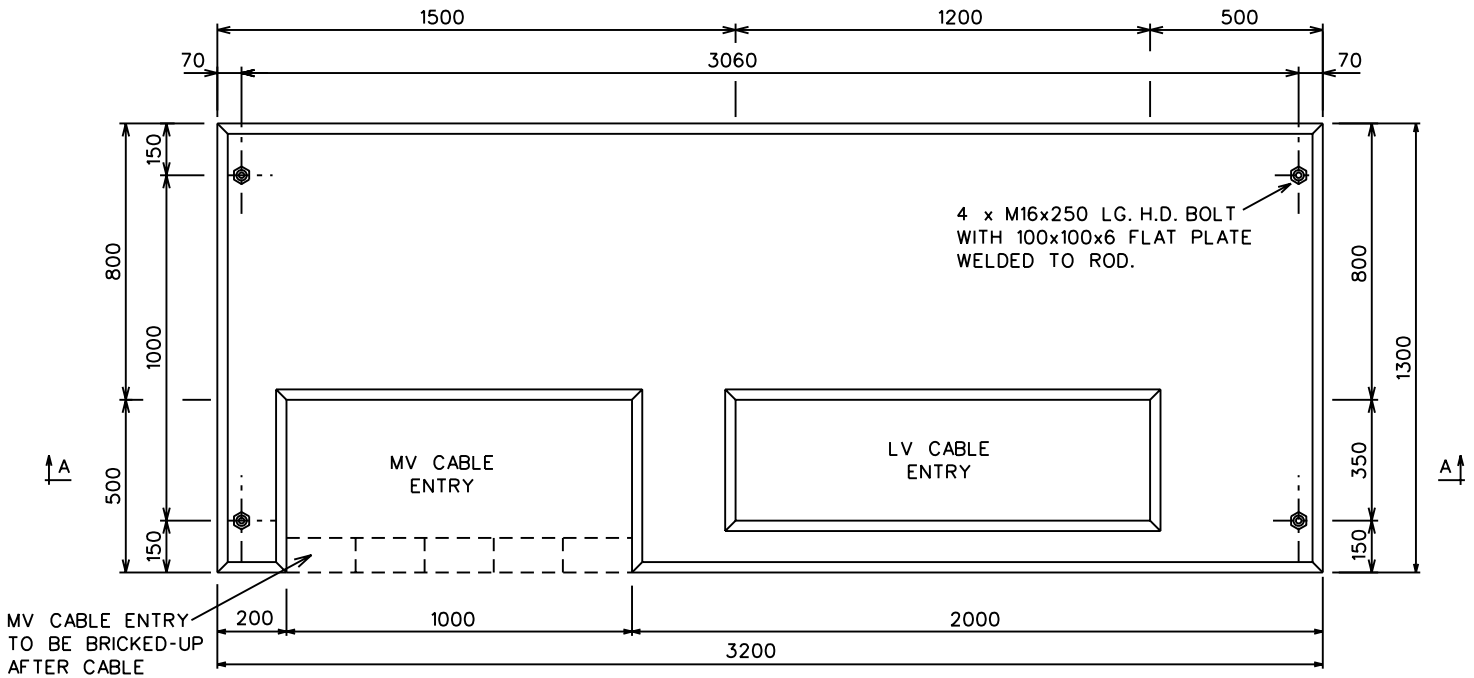
AUTH: P.CROWDY
DATE: 12/10/1999
CHKD: G.WHYTE
DATE: 12/10/1999
DRAWN: P.VERMAAK
DATE: 30/09/1999

TYPE 'B' MINI-SUBSTATION WITH CABLE FRONT OR SIDE ENTRY R.M.U. PLINTH DETAILS (CAST ON SITE)

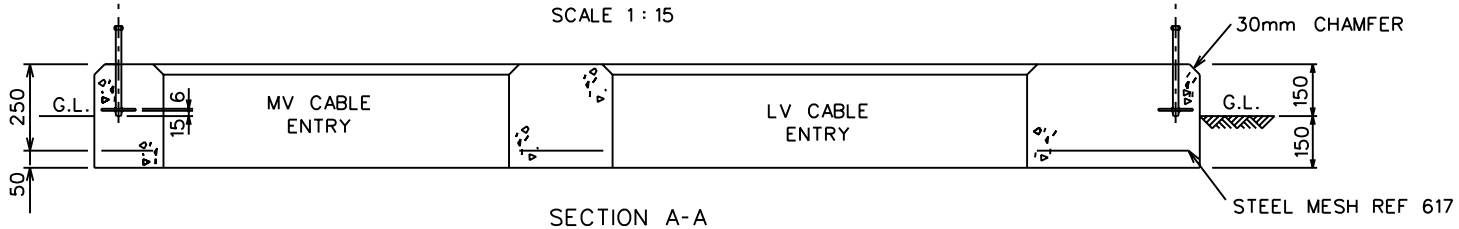
D-DT-0859	SET	SHEET	REVISION
	7	5	13

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PLAN VIEW
SCALE 1 : 15



SECTION A-A
SCALE 1 : 15

NOTES :
1. 25 MPa CONCRETE TO BE USED. CONCRETE TO BE VIBRATED.
2. BOTTOM OF FOUNDATION TO BE COMPACTED AFTER EXCAVATION TO 95% MOD AASHTO.
3. REF 617 STEEL MESH PLACED 50mm FROM BOTTOM OF SLAB.
4. CONCRETE TO BE CURED FOR 7 DAYS WITH APPROVED CURING METHOD.
5. FOUNDATION TO HAVE A 30mm CHAMPHER ALL AROUND.
6. FOUNDATION NOT FOR PRE-CAST ITEMS. (IE : CAST IN SITU).

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
13	UNIVERSAL TYPE 'A' PLINTH DIMENSION CHANGED	P.A.T.	B.MWAREHWA	R. KELLY	03.12.09	
12	HOLDING DOWN BOLTS ADDED TO SHEETS 6 & 7	P.A.V.	R. KELLY	R. KELLY	02.11.07	
11	DIMENSION CORRECTED ON SHEETS 3, 4, 6 AND 7	P.A.V.	R. KELLY	R. KELLY	28.08.07	

Eskom Distribution

AUTH: P. CROWDY
DATE: 12/10/1999
CHKD: G. WHYTE
DATE: 12/10/1999
DRAWN: P. VERMAAK
DATE: 30/09/1999

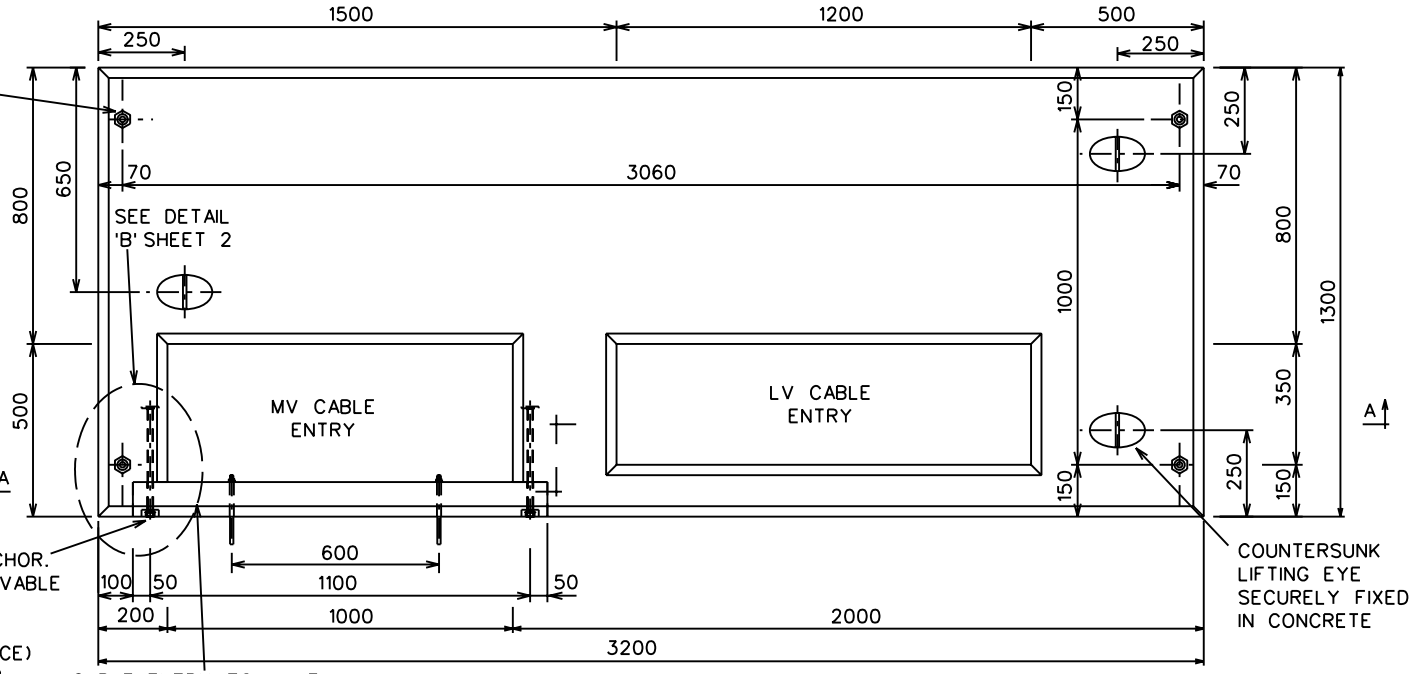
TYPE "B" MINI-SUBSTATION WITH CABLE FRONT ENTRY R.M.U. PLINTH DETAILS (CAST ON SITE)

D-DT-0859	SET	SHEET	REVISION
	7	6	13

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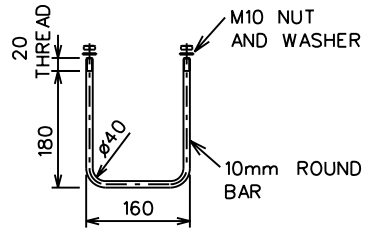
4 x M16 NUTS TO BE SECURELY FIXED IN CONCRETE FOR M16x40 SET SCREW SEE (D-DT-3082) A POCKET BELOW THE NUT IS REQUIRED SO THE BOLT CAN EXTEND PAST THE NUT. RUBBER/PLASTIC PLUG/GROMMET TO BE PROVIDED



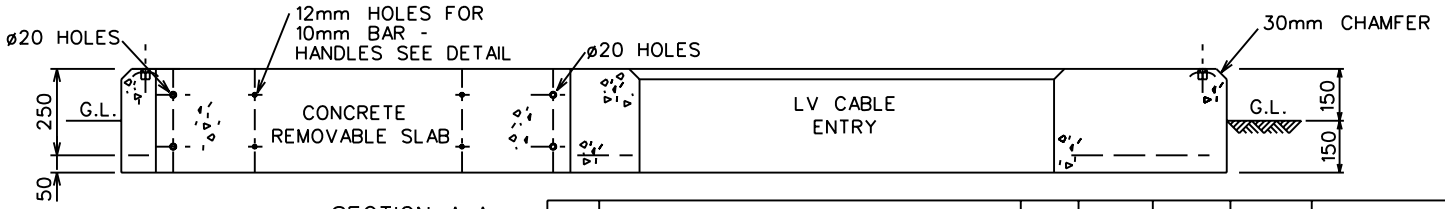
- M16 x 300 (4 OFF) THREADED RODS TO BE SECURED INTO MAIN PLINTH BODY WITH A 50x50x5 FLAT SQUARE PLATE WELDED TO EACH BOLT AS ANCHOR.
- 20mm DIA. HOLES (4 OFF) TO BE PROVIDED IN REMOVABLE SLAB FOR EACH M16 THREADED ROD.
- 20mm DEEP x 50mm DIA. POCKETS (4 OFF) TO BE PROVIDED IN REMOVABLE CONCRETE SLAB (FRONT FACE) TO HOUSE THE M16 NUT, LARGE FLAT ROUND WASHER AND SPRING WASHER.

MV CABLE ENTRY TO HAVE 1100 LG. x 100 WD. REMOVABLE PRE-CAST CONCRETE SLAB.

PLAN VIEW
SCALE 1 : 15



HANDLE DETAIL
(2 OFF PER PLINTH)



SECTION A-A
SCALE 1 : 15

NOTES :
1. 25 MPa CONCRETE TO BE USED. CONCRETE TO BE VIBRATED.
2. BOTTOM OF FOUNDATION TO BE COMPACTED AFTER EXCAVATION TO 95% MOD AASHTO.
3. REINFORCING AND COUNTERSUNK LIFTING EYES TO BE DESIGNED AND DETAILED BY MANUFACTURER.
4. ALL THE STEEL COMPONENTS (EXCEPTING THE REINFORCING) ARE TO BE STAINLESS STEEL.
5. CONCRETE TO BE CURED FOR 7 DAYS WITH APPROVED CURING METHOD.
6. FOUNDATION AND REMOVABLE PRE-CAST CONCRETE SLAB TO HAVE A 30mm CHAMFER AS SHOWN.
7. GROSS MASS AND ESKOM SAP No. (D-DT-8025) TO APPEAR ON PLINTH SIDE WALL.

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
13	UNIVERSAL TYPE 'A' PLINTH DIMENSION CHANGED	P.A.T.	B.MWAREHWA	R. KELLY	03.12.09	
12	HOLDING DOWN BOLTS ADDED TO SHEETS 6 & 7	P.A.V.	R. KELLY	R. KELLY	02.11.07	
11	DIMENSION CORRECTED ON SHEETS 3, 4, 6 AND 7	P.A.V.	R. KELLY	R. KELLY	28.08.07	

Eskom Distribution

AUTH: P. CROWDY
DATE: 12/10/1999
CHKD: G. WHYTE
DATE: 12/10/1999
DRAWN: P. VERMAAK
DATE: 30/09/1999

TYPE "B" MINI-SUBSTATION WITH CABLE FRONT ENTRY R.M.U. PLINTH DETAILS (PRE-CAST)

SET	SHEET	REVISION
7	7	13

D-DT-0859

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