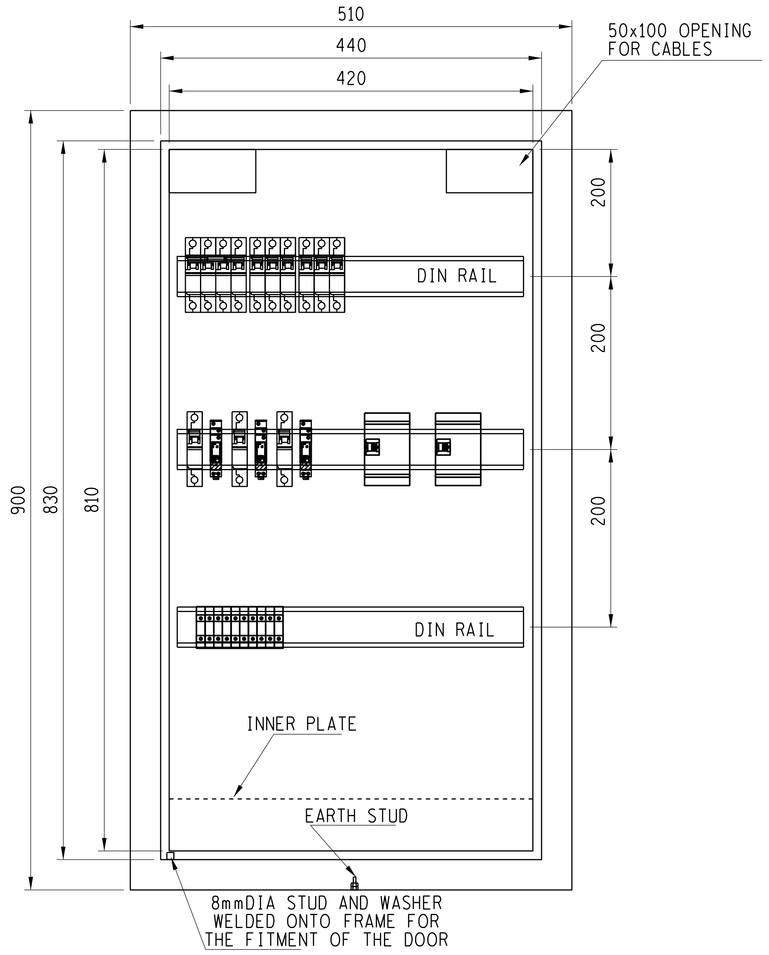
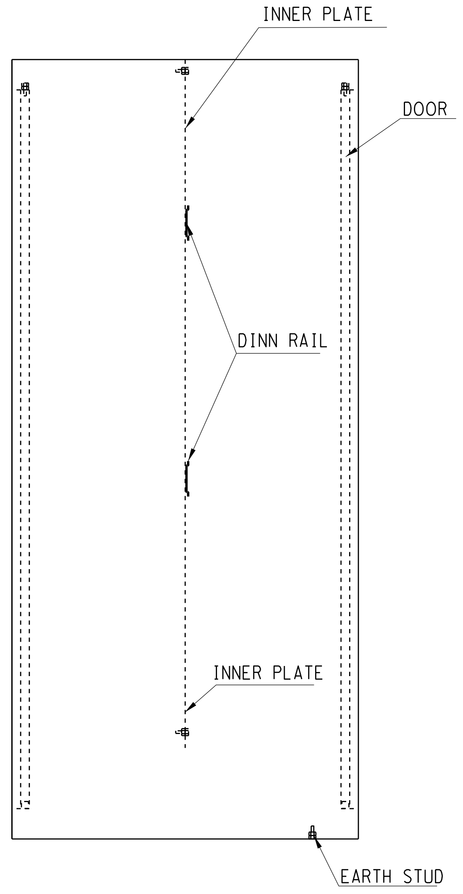
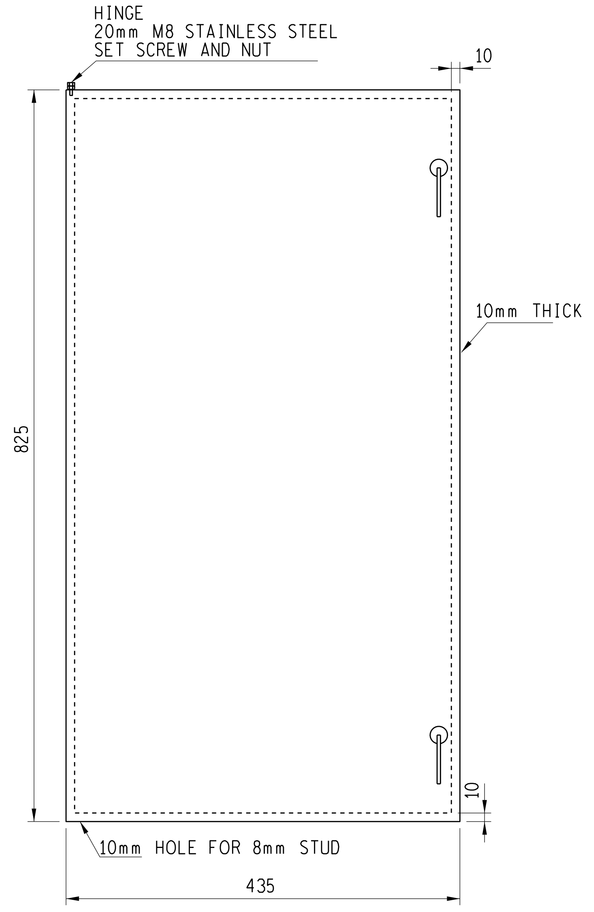


DISTRIBUTION BOX
FRONT VIEW



DISTRIBUTION BOX
SIDE VIEW



DOORS

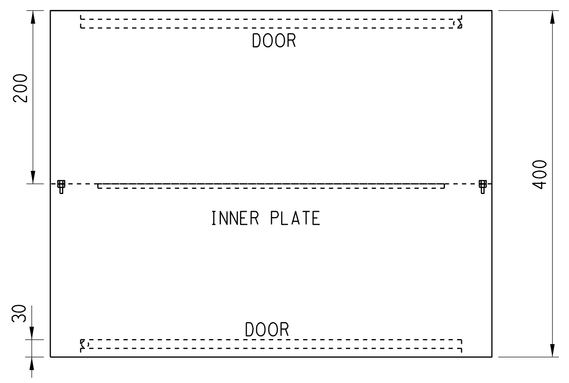
NOTES:
DISTRIBUTION BOX
1. THE ENTIRE BOX (EXEPT THE GLAND PLATE) SHALL BE MANUFACTURED FROM 1.5mm 3CR12.
2. THE DOOR SURROUNDS SHALL INCORPORATE A SPLASH PROOF 10mm LIP AROUND THE ENTIRE PERIMETER.
3. THE DOOR SHALL BE MOUNTED FLUSH TO THE SPLASH PROOF LIP.
4. THE HINGES OF THE DOOR SHALL BE AT LEAST 8mm IN DIAMETER.
5. THE EARTH STUD SHALL BE A M10 30mm STAINLESS STEEL SET SCREW, NUT AND SPRING WASHER. THE SET SCREW SHALL BE WELDED ONTO THE BOTTOM OF THE BOX.
6. THE INNER PLATE SHALL BE MOUNTED FLUSH WITH THE TOP OF THE BOX.
7. THE BOX SHALL BE POWDER COATED WITH LIGHT NAVY GREY POLYESTER POWDER (SANS COLOUR CODE G35)

DOORS
1. 3 WAY LEVER LOCKS SHALL BE FITTED VERTICALLY ON BOTH DOORS TOP AND BOTTOM. ALL THE PARTS SHALL BE STAINLESS STEEL.
2. FOUR 5mm WATER DRAIN HOLES SHALL BE DRILLED INTO THE BOTTOM OF THE DOOR SILL.
3. A STANDARD DANGER SIGN SHALL BE FITTED ON THE FRONT OF THE DOOR.

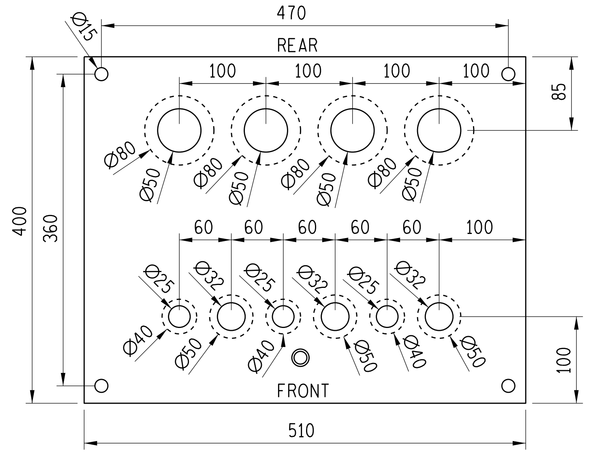
INNER PLATE
1. THE PLATE SHALL HAVE A 10mm BEND ON TOP AND BOTTOM SIDES.
2. THE INNERPLATE SHALL BE POWDER COATED WITH WHITE EPOXY-POLYESTER POWDER.
3. THE DIN RAILS SHALL BE FITTED WITH BY STAINLESS STEEL SET SCREWS, NUTS AND SPRING WASHERS, RIVETS OR SPOT WELDED.
4. THE INNER PLATE SHALL BE FITTED TO THE BOX WITH FOUR M8 STAINLESS STEEL SET SCREWS, NUTS AND SPRING WASHERS.
5. THE BUSBARS SHALL BE FITTED ONTO 40 DIA COLOUR CODED INSULATORS ONTO THE BACK OF THE INNER PLATE.
6. THE INSULATOR SHALL BE FITTED WITH STUD WELDED ONTO THE INNER PLATE.
7. THE BUSBARS SHALL BE FROM 350mm X 40mm X 10mm TINNED COPPER.
8. 35mm M10 STAINLESS STEEL SET SCREWS, NUTS AND SPRING WASHERS SHALL BE FITTED TO THE 11mm DIA HOLES.

GLAND PLATE
1. THE GLAND PLATE SHALL BE MANUFACTURED FROM 1.5mm THICH 3CR12.
2. ALL THE HOLES SHALL BE FITTED WITH ROUND KNOCK OUTS AND SHALL BE WELDED ONTO THE BOTTOM OF THE BOX IN ONE SPOT.
3. THE EARTH STUD SHALL BE A 30mm M10 STAINLESS STELL SET SCREW, NUT AND SPRING WASHER WELDED ONTO THE GLAND PLATE
4. THE AREA SURROUNDING THE KNOCK OUTS INDICATED BY THE DOTTED CIRCLES, SHALL NOT BE POWDER COATED BUT LEFT BARE 3CR12

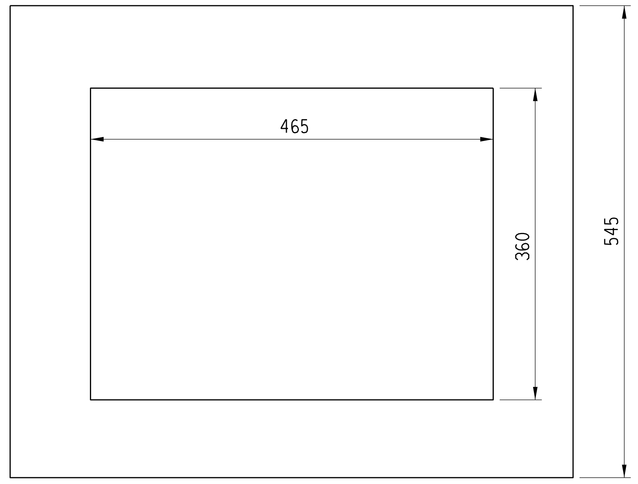
TAPERED BASE
1. THE BASE SHALL BE AMNUFACTURED FROM 2mm 3CR12 AND POWDER COATED IN GREY.
2. THE BOTTOM SHALL HAVE A 20mm 90 DEGREE BEND ON ALL SIDES.
3. M10 STAINLESS STEEL SET SCREWS, NUTS AND SPRING WASHERS SHALL BE SUPLIED FOR THE FITMENT OF THE BASE TO THE DISTRIBUTION BOX.
4. 13mm DIA HOLES SHALL BE DRILLED IN THE BASE AND THE NUTS SHALL THEN BE WELDED INSIDE THE BASE CENTERED OVER THE HOLES TO ALLOW THE SET SCREWS TO BE SCREWED FROM THE OUTSIDE INTO THE NUTS.
5. M8 STAILLESS STEEL SET SCREWS, NUTS AND SPRING WASHERS SHALL BE USED TO FIT THE INSPECTION COVERS ONTO THE BASE.
6. INSPECTION COVERS SHALL BE INSTALLED ON THE FRONT AND BACK OF THE BASE
7. BASEPLATE TO BE FIXED TO CONCRETE WITH M10 CHEMICAL ANCHOR. NO SAND≦CEMENT ANCHORING ALLOWED.



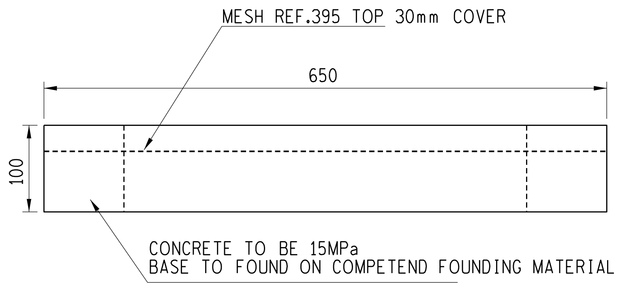
DISTRIBUTION BOX
TOP VIEW



GLAND PLATE

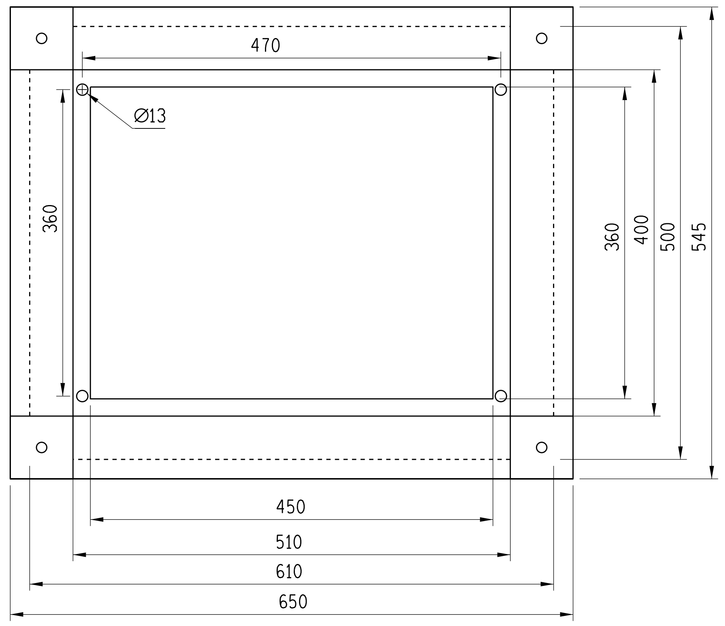


CONCRETE BASE
TOP VIEW

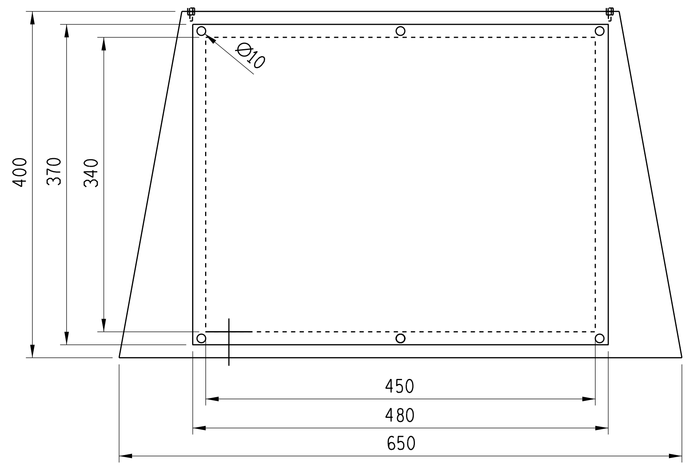


CONCRETE BASE
SIDE VIEW

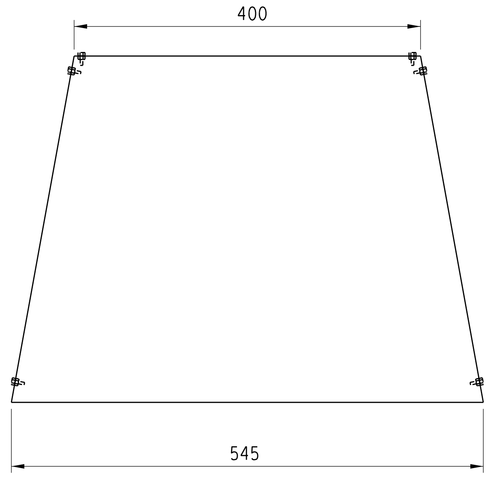
FRONT VIEW
DISTRIBUTION BOX
NTS



BASE PLATE
TOP VIEW



BASE PLATE
FRONT VIEW



BASE PLATE
SIDE VIEW

REV	REVISION DESCRIPTION	DRAWN	CHKD	AUTH	DATE	REFERENCE DRAWINGS
1	BUSBARS REMOVED AND CONCRETE BASE ADDED		JSV		11/11/2022	

APPROVED BY: A MANELI — DATE 12/06/2018
CHECKED BY: DB NAUDE — DATE 12/06/2018
DRAWN BY: AR NAUDE — DATE 12/06/2018
SCALE 1:5

Eskom
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Reg No 2002/015527/30

STANDARD
TWO WAY
THREE PHASE
DISTRIBUTION BOX

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SHEET NUMBER 0 | REVISION 1

SIZE GROOTTE A1L