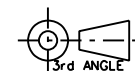


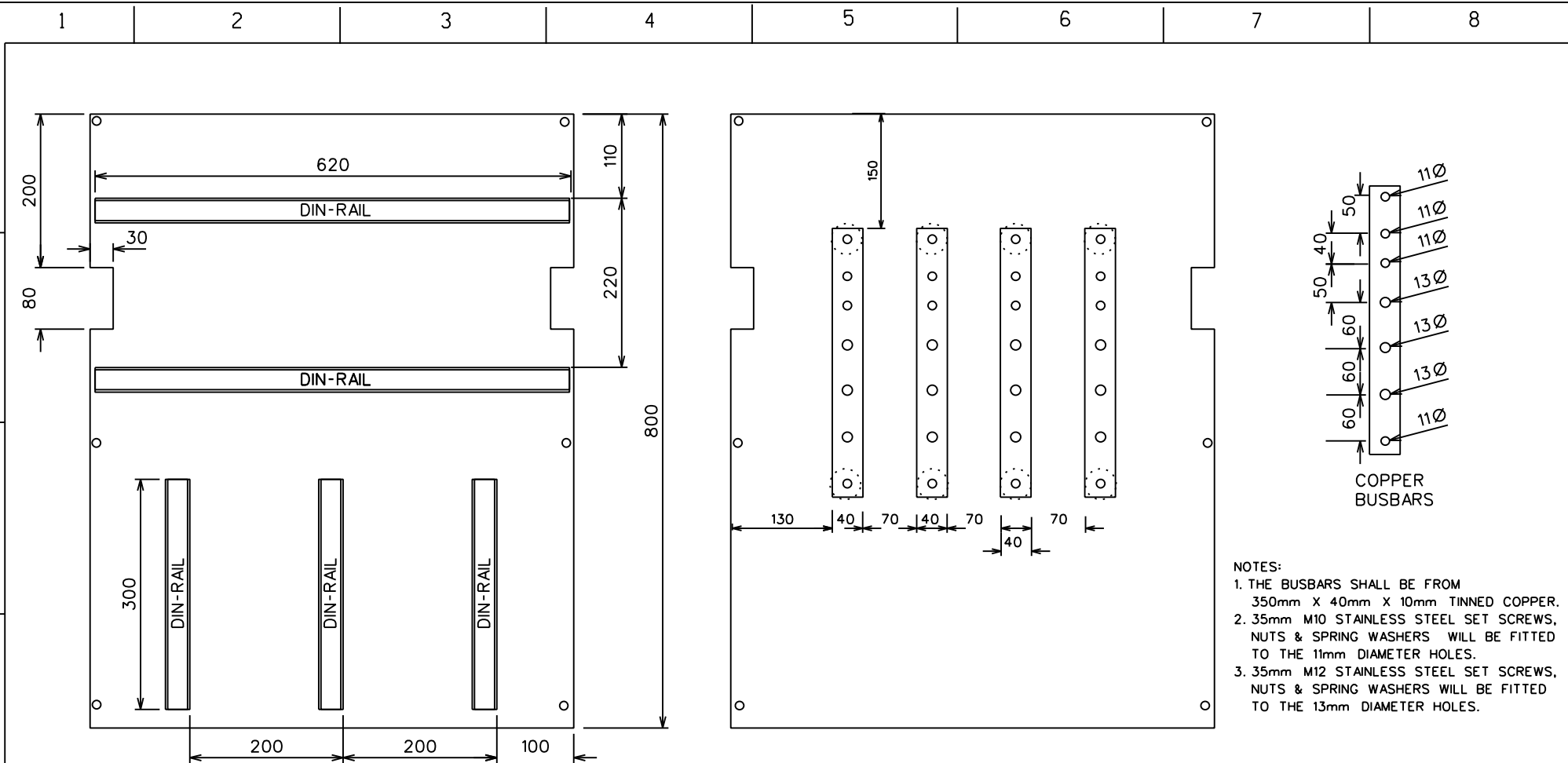


8mm DIAMETER STUD & WASHER WELDED ONTO
FRAME FOR THE FITMENT OF THE DOOR



1. THE ENTIRE KIOSK (EXCEPT THE GLAND PLATE & BASE) SHALL BE MANUFACTURED FROM 1.5mm 3CR12.
2. THE DOOR SURROUNDS SHALL INCORPORATE A SPLASH PROOF 10mm LIP AROUND THE ENTIRE PERIMETER.
3. THE DOORS SHALL BE MOUNTED FLUSH TO THE SPLASH-PROOF LIP.
4. 22mm DIAMETER HOLES SHALL BE PROVIDED WITH A RUBBER / PLASTIC COVER ON BOTH SIDES OF THE FRONT OF THE KIOSK
5. THE HINGES OF THE DOOR (STUD AND BOLT) SHALL BE AT LEAST 8mm IN DIAMETER.
THE TOPHING SHALL BE AN 8mm S/S NUT WELDED ONTO THE TOP OF THE DOOR SILL THROUGH WHICH A 20mm SET SCREW CAN BE SCEWED INTO THE HINGE HOLE IN THE DOOR.
6. THE EARTH STUD SHALL BE A M10 30mm STAINLESS STEEL SET SCREW, NUT AND SPRINGWASHER.
THE SET SCREW SHALL BE WELDED ONTO THE BOTTOM OF THE KIOSK
7. VENTILATING LOUVRES SHALL BE INSTALLED ON BOTH SIDES OF THE KIOSK. THE EFFECTIVE WIDTH SHALL BE 150mm AND INCORPORATE AT LEAST FIVE LOUVRES.
8. THE GAPS IN THE LOUVRES SHALL BE BETWEEN 2 AND 5mm. A STAINLESS STEEL MESH WITH OPENINGS SMALLER THAN 2mm SHALL BE SPOT WELDED ONTO THE BACK OF THE LOUVRES.
9. THE INNER PLATE SHALL BE MOUNTED 20mm FROM THE TOP OF THE KIOSK.
10. THE KIOSK SHALL BE POWDER COATED WITH LIGHT NAVY GREY POLYESTER POWDER (SANS COLOUR CODE G35).

[illegible]



FRONT VIEW OF INNER PLATE

BACK VIEW OF INNER PLATE

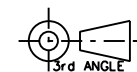
NOTES:

1. INNER PLATE SHALL HAVE A 10mm BEND ON TOP AND BOTTOM SIDES.
2. THE INNER PLATE SHALL BE POWDER COATED WITH A WHITE EPOXY-POLYESTER POWDER (SANS COLOUR CODE 69-0135)
3. THE DIN-RAILS SHALL BE FITTED BY STAINLESS STEEL SET SCREWS, NUTS AND SPRING WASHERS, SCREWS AND SPRING WASHERS, RIVETS OR SPOT WELDED.
4. THE INNER PLATE SHALL BE FITTED ONTO THE BOX BY MEANS OF SIX M8 STAINLESS STEEL SET SCREWS, NUTS AND SPRING WASHERS.
5. THE INNER PLATE SHALL BE FITTED TO ALLOW FOR A GAP OF 20mm AT THE TOP TO LET WIRING FROM BUSBARS TO MCB TO PASS THROUGH.
6. THE BUSBARS SHALL BE FITTED ONTO COLOUR CODED 40mm LONG (40mm DIAMETER) INSULATORS ONTO THE BACK OF THE INNER PLATE.
7. THE INSULATORS SHALL BE FITTED ONTO THE INNER PLATE THROUGH THE USE OF STUDS WELDED ONTO THE PLATE.

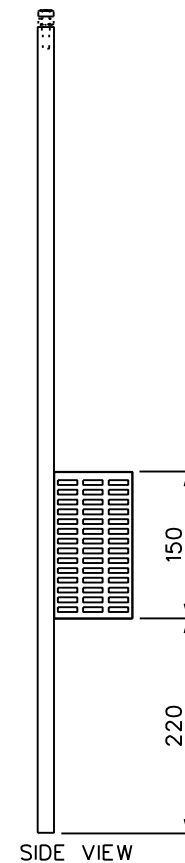
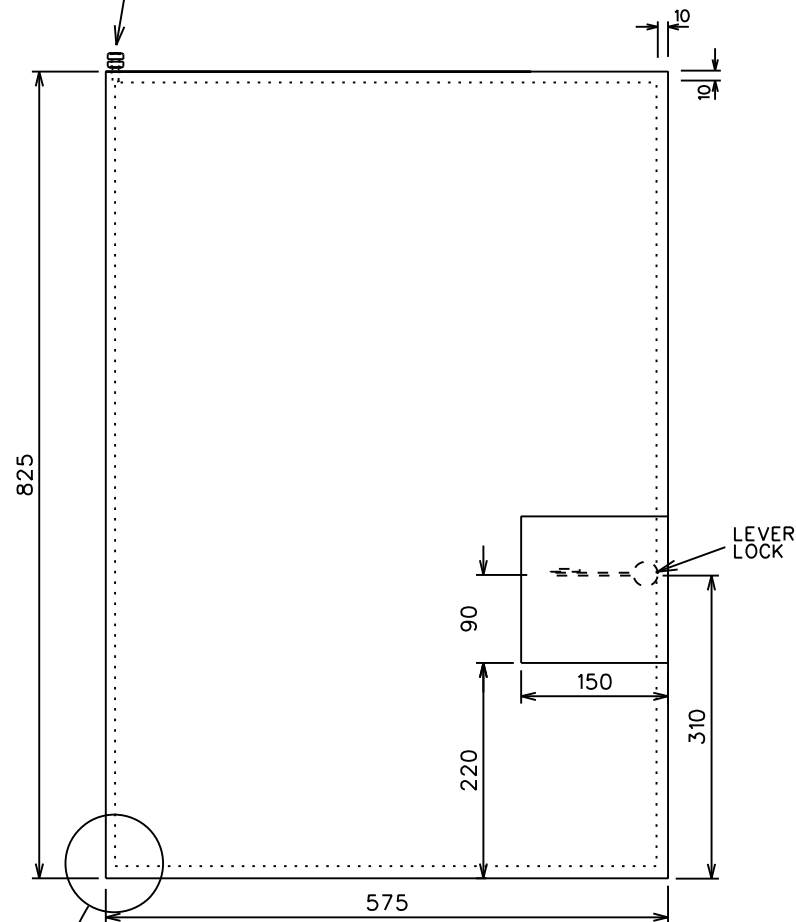
NOTES:

1. THE BUSBARS SHALL BE FROM 350mm X 40mm X 10mm TINNED COPPER.
2. 35mm M10 STAINLESS STEEL SET SCREWS, NUTS & SPRING WASHERS WILL BE FITTED TO THE 11mm DIAMETER HOLES.
3. 35mm M12 STAINLESS STEEL SET SCREWS, NUTS & SPRING WASHERS WILL BE FITTED TO THE 13mm DIAMETER HOLES.

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
1	ADDED DIN-RAIL MOUNT SURGE ARRESTORS	HPDC	HPD	GROENEWALD	02/10/2018	
<div> <div> METER KIOSK - 12 WAY SPLIT PRE-PAYMENT SINGLE PHASE MANUFACTURING DETAIL: INNER PLATE AND BUSBARS </div> </div>						
D-DT-1039		SET	SHEET	REVISION		
		8	2	1		



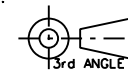
HINGE
(20mm M8 STAINLESS STEEL SET SCREW & NUT
- NUT IS WELDED ONTO TOP OF KIOSK DOOR SILL)




FRONT & BACK DOOR

NOTES:

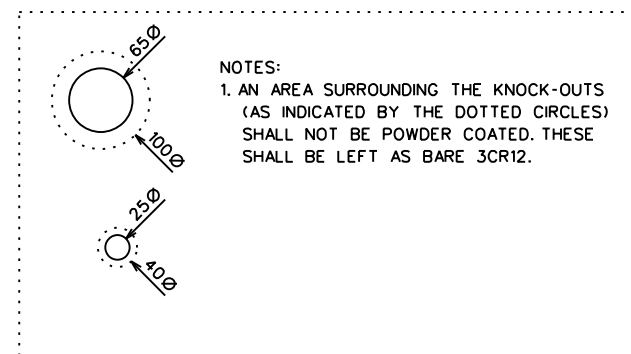
1. 3-WAY LEVER LOCKS SHALL BE FITTED HORIZONTALLY ON BOTH DOORS. ALL PARTS THEREOF SHALL BE OF STAINLESS STEEL.
2. A PROTECTIVE BOX SHALL BE FITTED OVER THE LEVER LOCK. THE BOX SHALL BE OPEN ON THE BOTTOM. THE BOX SHALL HAVE 5 x 20mm SLOTTED HOLES OVER THE ENTIRE SURFACE AREA (TOP AND SIDES) SPACED NOT MORE THAN 10mm APART.
3. A STURDY DOOR STAY OF NON-FERROUS METAL SHALL BE FITTED TO THE DOOR.
4. FOUR 5mm WATER DRAIN HOLES SHALL BE DRILLED INTO THE BOTTOM OF THE DOOR SILL.
5. A STANDARD DANGER SIGN (SANS 1186) SHALL BE FITTED ON THE FRONT OF THE DOOR.




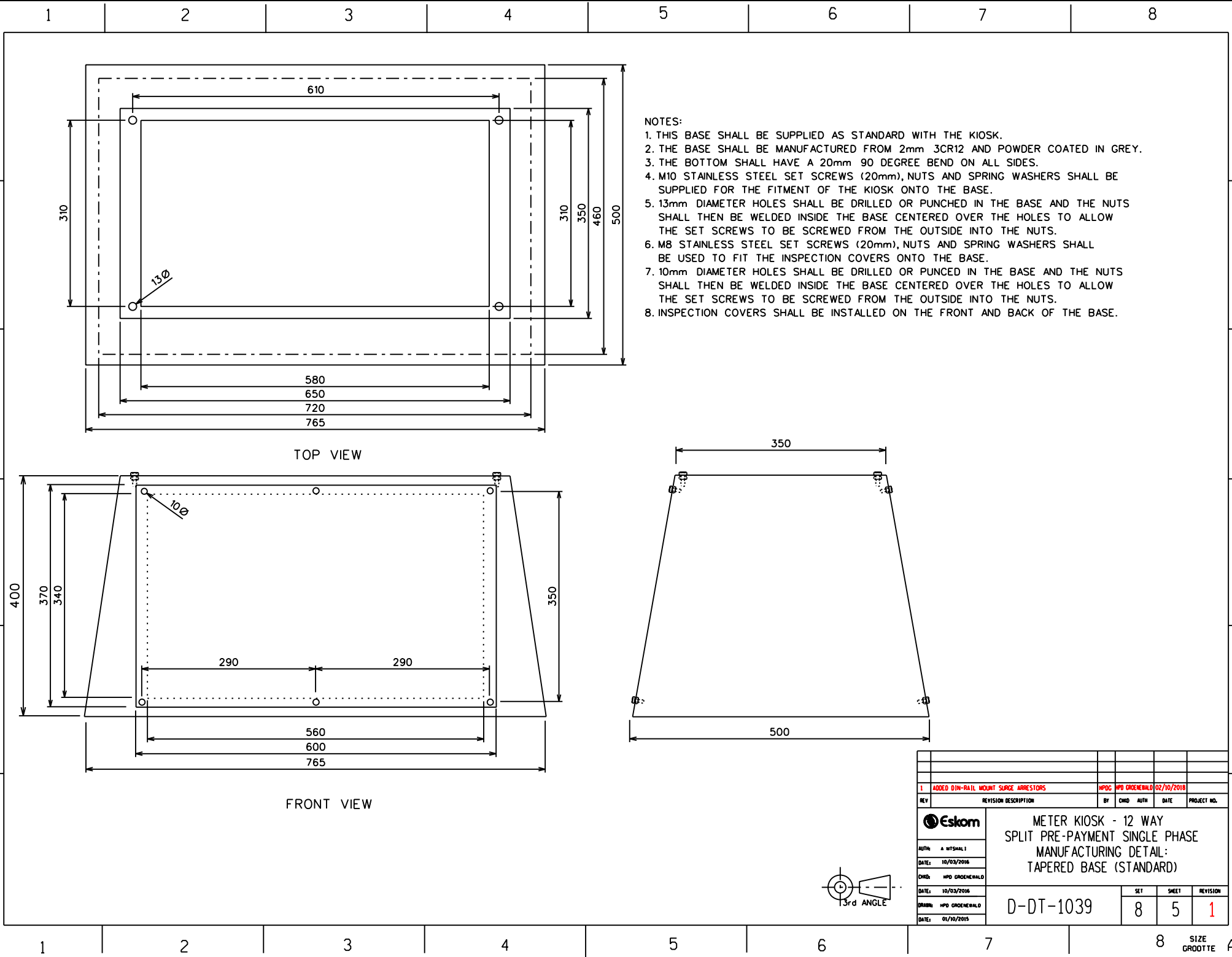
1	ADDED DIN-RAIL MOUNT SURGE ARRESTORS				HPDC	HPD GROENEWALD	02/10/2018		
REV	REVISION DESCRIPTION				BY	CHKD	AUTH	DATE	PROJECT NO.
 METER KIOSK - 12 WAY SPLIT PRE-PAYMENT SINGLE PHASE MANUFACTURING DETAIL: BOX					SET		SHEET	REVISION	
					8		3	1	
ALTN:	A MTHALI								
DATE:	10/03/2018								
CHKD:	HPD GROENEWALD								
DATE:	10/03/2018								
DRAWN:	HPD GROENEWALD								
DATE:	01/10/2018								
D-DT-1039									




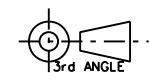
1. THE GLAND PLATE WILL FORM PART OF THE KIOSK AND SHALL BE MANUFACTURED FROM 1.5mm THICK 3CR12
2. ALL OF THE HOLES SHALL BE FITTED WITH SQUARE KNOCK-OUTS AND SHALL BE WELDED TO THE BOTTOM AT ONLY ONE CORNER.
3. THE EARTH STUD SHALL BE A 30mm M10 STAINLESS STEEL SET SCREW, NUT AND SPRING WASHERS WELDED ONTO THE GLAND PLATE.

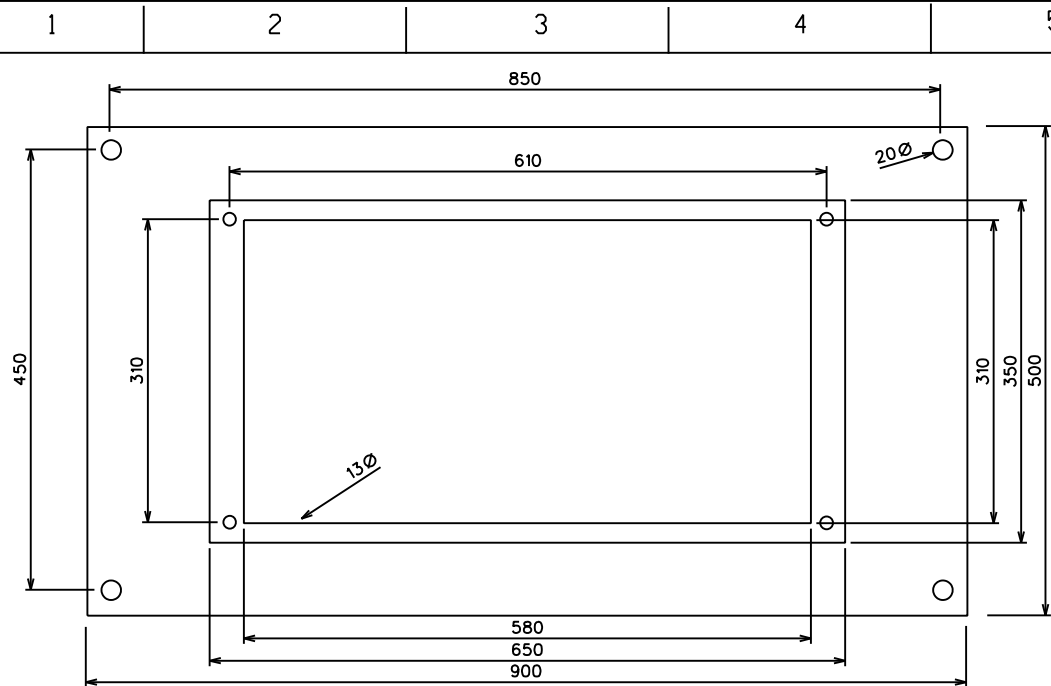


1	ADDED DIN-RAIL MOUNT SURGE ARRESTORS	HPOC	HPO GROENEWALD	02/10/2018					
REV	REVISION DESCRIPTION	BY	CMD	AUTH	DATE				PROJECT NO.
						METER KIOSK - 12 WAY SPLIT PRE-PAYMENT SINGLE PHASE MANUFACTURING DETAIL: GLAND PLATE			
AUTH:	A. NTSHANGI								
DATE:	10/03/2016								
CHNG:	HPO GROENEWALD								
DATE:	10/03/2016								
DRAWN:	HPO GROENEWALD								
DATE:	01/10/2015								
D-DT-1039						SET	SHEET	REVISION	
						8	4	1	



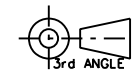
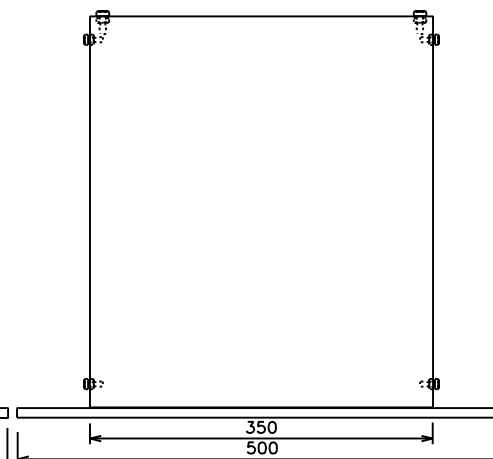
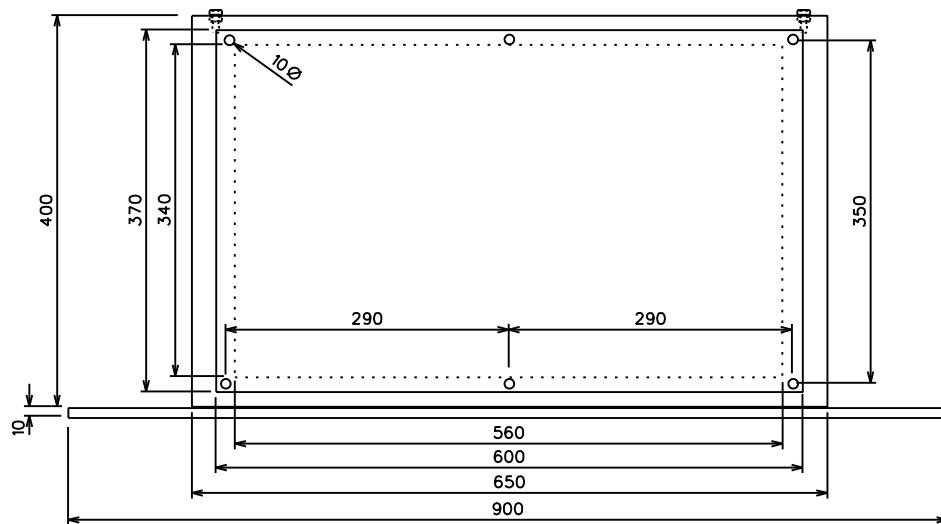
1	ADDED DIN-RAIL MOUNT SURGE ARRESTORS				HPDC	HPD GROENEWALD	02/10/2018		
REV	REVISION DESCRIPTION				BY	CHKD	AUTH	DATE	PROJECT NO.
 METER KIOSK - 12 WAY SPLIT PRE-PAYMENT SINGLE PHASE MANUFACTURING DETAIL: TAPERED BASE (STANDARD)									
AUTH:	A MTSAL I								
DATE:	10/03/2016								
CHKD:	HPD GROENEWALD								
DATE:	10/03/2016								
GRN:	HPD GROENEWALD								
DATE:	01/10/2015								
D-DT-1039					SET		SHEET		REVISION
					8		5		1











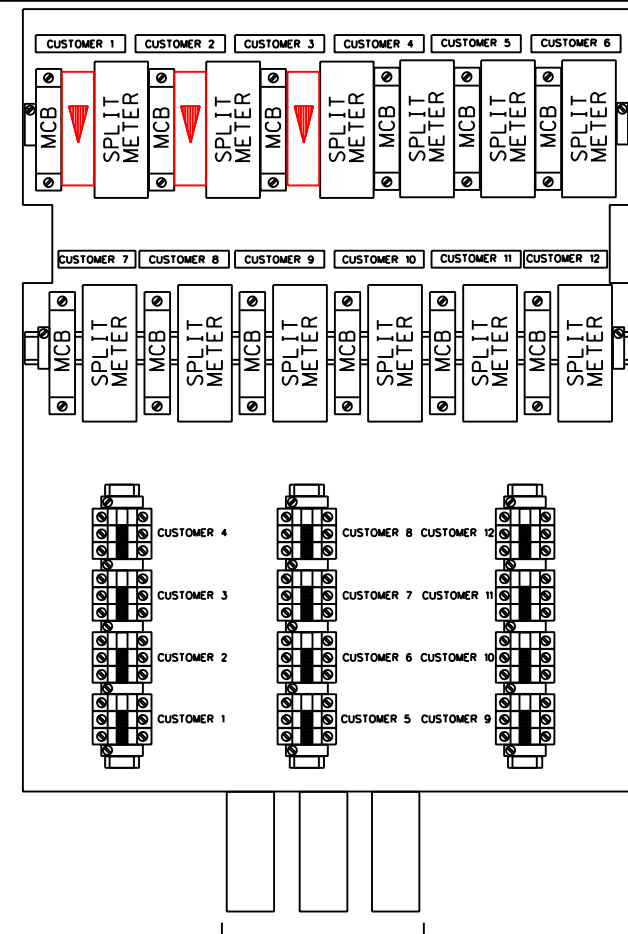
NOTES:

1. THE BASE SHALL BE MANUFACTURED FROM 2mm 3CR12 AND POWDER COATED IN GREY.
2. THE BOTTOM SHALL HAVE A 10mm DOWN BEND ON ALL SIDES.
3. M10 STAINLESS STEEL SET SCREWS (20mm), NUTS AND SPRING WASHERS SHALL BE SUPPLIED FOR THE FITMENT OF THE KIOSK ONTO THE BASE.
4. 13mm DIAMETER HOLES SHALL BE DRILLED OR PUNCHED 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 STAINLESS STEEL SET SCREWS (20mm), NUTS AND SPRING WASHERS SHALL BE USED TO FIT THE INSPECTION COVERS ONTO THE BASE.
6. 10mm DIAMETER HOLES SHALL BE DRILLED OR PUNCHED 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.
7. INSPECTION COVERS SHALL BE INSTALLED ON THE FRONT AND BACK OF THE BASE.



REVISION DESCRIPTION		BY	CHKD	AUTH	DATE	PROJECT NO.
1	ADDED DIN-RAIL MOUNT SURGE ARRESTORS	HPDG	HPD	GROENEWALD	02/10/2018	
METER KIOSK - 12 WAY SPLIT PRE-PAYMENT SINGLE PHASE MANUFACTURING DETAIL: RECTANGULAR BASE (OPTIONAL)						
D-DT-1039		SET	SHEET	REVISION		
		8	6	1		


LEGEND	DESCRIPTION	20A SUPPLY POINTS	60A SUPPLY POINTS
	1PHASE SPLIT PRE-PAYMENT METER	ESKOM APPROVED SPLIT PRE-PAYMENT METER 20A	ESKOM APPROVED SPLIT PRE-PAYMENT METER 60A
	CIRCUIT BREAKER HYDRAULIC MAGNETIC SINGLE PHASE	CBI: HY-MAG 20A TYPE QF1-18D or QF1-26D CURVE 1, DIN RAIL MOUNTED	CBI: HY-MAG 60A TYPE QF1-18D or QF1-26D CURVE 1, DIN RAIL MOUNTED
—	WIRING: BUSBARS - MCB - METERS - TERMINALS	16mm SQUARE COLOUR CODED PVC INSULATED CABLE, RATED VOLTAGE 600/1000V, SABS 1507	
—	WIRING: EARTH STUD TO TERMINALS (EARTH WIRING)	16mm SQUARE GREEN & YELLOW PVC INSULATED CABLE, RATED VOLTAGE 600/1000V, SABS 1507	
	TERMINAL 35mm	WEIDMULLER: TYPE WDU35N or KLEMSAN: TYPE AVK35 or ALSTOM ELMEX KUT35 PHOENIX CONTACT: TYPE UIK35 ABB: TYPE ZS35	
	BRIDGE BAR	WEIDMULLER WQV35/2 or KLEMSAN UK 35/2 or ALSTOM ELMEX CCLA 35K-2W PHOENIX CONTACT: TYPE FBI2-15 ABB: TYPE JB16-2	
	END STOP	WEIDMULLER EW35 or LEGRAND VIKING 3 39403 or ENTRELEC BAM or KLEMSAN KD3 or PHOENIX CONTACT: E/UK or CLIPFIX 35 ABB: TYPE BAZH1	
	SURGE ARRESTOR: Imax (8/20ms) 40kA or 65kA (4/20ms) 275V (SINGLE POLE DIN) SANS IEC 61643-1	CBI: TYPE QKL1-(13)D 275V 20/40kA (CBI BOM CODE QKLD0001) or SIMILAR	



ESKOM CABLES CONNECTED ONTO THE BUSBARS
AT THE BACK OF THE INNER PLATE

NOTES:

1. LABELS STATING CUSTOMER 1 TO 4 WILL BE FIXED ONTO THE INNER PLATE
2. THE MCBS AND METERS WILL BE SPACED WITH A GAP BETWEEN THEM

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
1	ADDED DIN-RAIL MOUNT SURGE ARRESTORS	WPOC	WPOC	GRONENWALD	02/10/2018	
<div>  <div> METER KIOSK - 12 WAY SPLIT PRE-PAYMENT SINGLE PHASE MANUFACTURING DETAIL: EQUIPMENT LAYOUT </div> </div>						
D-DT-1039						SET
						SHEET
						REVISION
						8
						7
						1

