



MOTOR CONTROL CENTRE CONSTRUCTION AND ELECTRICAL SPECIFICATION																	
			MATERIAL TYPE & THICKNESS			FINISH			CABLE ENTRY								
Recessed	-	Vermin	X	1.2mm	-	Electro Galv.	-	Etch Prime	-	Top	-	Separated Divisions	-	Colour Main	Light Orange	Width	TBA
Semi Recessed	-	Dust Proof	X	1.8mm	-	3CR12	-	Brushed	-	Bottom	X	Emergency Section	X	Colour Emergency	Signal Red	Height	TBA
Surface	-	Hinged Panels	X	2.0mm	X	STAINLESS STEEL	X	Powder Coat	-	Gland Plate	X	UPS Section	-	Colour UPS	Dark Violet	Depth	TBA
Floor Standing	X								-	Back	-	Normal Section	-	Colour Normal	Light Orange		
Doors	X								-					Spare Capacity	30%		
																Earth Stud	-
																Supply Busbar	X

GENERAL NOTES

1. ALL WORK MUST COMPLY WITH SAN 10142

2. SURGE ARRESTOR CLASS TYPE TO BE FINALISED ON DESIGN COMPLETION OF LIGHTNING & EARTHING SYSTEM

3. ALL DIRECT-ON-LINE AND SOFT STARTER MOTORS TO BE OF TYPE 2 COORDINATION.

LEGEND

400V RATED BUS BAR

SINGLE POLE AND NEUTRAL

TRIPLE POLE AND NEUTRAL

SWITCH DISCONNECTOR

CIRCUIT BREAKER

SURGE ARRESTOR/PHASE + NEUTRAL

EARTH LEAKAGE UNIT

DIRECT ONLINE

FORWARD - REVERSE DIRECT ONLINE

VARIABLE SPEED DRIVE

SOFT STARTER

SELECTOR SWITCH

VOLTMETER

AMMETER

CURRENT TRANSFORMER

FUSE

CLIENT:

CITY OF TSHWANE  
IDENTITY EXCELLENCE

Water and Sanitation Department  
Admin Building  
Daspoort Waste Water Treatment Works  
Bosman Street Extension PO Box 1022  
Pretoria  
www.tshwane.gov.za

ELECTRICAL ENGINEER :

Analog  
ENGINEERING

Analog Engineering  
Office Unit 6, 88 Nagsington Road,  
Waverley, Germiston, Gauteng  
www.analog.co.za

CLIENT APPROVAL:

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

REV	DATE	DESCRIPTION	APPROVED BY
0	2024/07/26	FOR INFORMATION	M.TSAHA

PROJECT:

ROOIWAAL WWTW REFURBISH AND UPGRADE

TITLE:

NORTH INLET WORKS MCC SINGLE LINE DIAGRAM

DESIGNED BY:	M.TSAHA	CHECKED BY:	M.TSAHA
APPROVED BY:	M.TSAHA	ECSA No.	20140130
		SIGNED:	<div></div>
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