

**NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS
CSIR MAIN CAMPUS, BRUMMERIA, PRETORIA**

ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	SECTION 1				
	BILL NO. 1				
	PRELIMINARIES				
	P&G'S	Item			
			Carried to final Summary		

**NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS
CSIR MAIN CAMPUS, BRUMMERIA, PRETORIA**

ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	SECTION 2				
	BILL NO. 1				
	ALTERATIONS				
	PREAMBLES				
	Model Preambles for Trades 2008 as published by the Association of South African Quantity Surveyors shall apply.				
	WORK GROUP 102				
	REMOVAL OF EXISTING WORK				
	Take down and removal of existing balustrades				
1	Mild steel balustrades with floor mounted posts	m	29		
2	Mild steel handrails with floor mounted posts	m	15		
3	Mild steel handrails with wall fixed supports	m	14		
4	Ball and Stanchion balustrades	m	13		
	Take up existing paving and remove to stockpile for reinstatement				
5	Concrete interlocking paving	m2	45		
6	Brick paving	m2	11		
7	Large format concrete pavers	m2	2		
			Carried to final Summary		

**NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS
CSIR MAIN CAMPUS, BRUMMERIA, PRETORIA**

ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	SECTION 3 BILL 1 EARTHWORKS PREAMBLES For preambles refer to "standard preambles to all trades as per WB20" SUPPLEMENTARY PREAMBLES Carting away of excavated material Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site EARTHWORKS EXCAVATION, FILLING, ETC Excavation in earth not exceeding 2m deep including setting aside for later re-use or removal				
1	Hole excavations	m3	23		
	Extra over all excavations for carting away Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor				
2		m3	2		

Carried forward to Summary of Section No 3

**NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS
CSIR MAIN CAMPUS, BRUMMERIA, PRETORIA**

ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	BILL 2 CONCRETE, FORMWORK AND REINFORCEMENT PREAMBLES For preambles refer to "standard preambles to all trades as per The ASAQS document of 2008" REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES 25MPa/19mm concrete				
1	155 x 200mm x 200mm x 200mm Foundation footings	m3	2		
Carried forward to Summary of Section No 3					

**NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS
CSIR MAIN CAMPUS, BRUMMERIA, PRETORIA**

ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	BILL 3				
	METALWORK				
	For preambles refer to "standard preambles to all trades as per WB20"				
	BALUSTARDES AND HANDRAILS				
1	Minimum 1m high Stainless steel balustrade made up from: 50mm diameter round stainless steel post chemically anchored into concrete foundations.50mm diameter round stainless steel handrail and 30mm diameter stainless steel central rail. Post to fitted with 90mm diameter round stainless steel adjustable flange.	m	150		
2	Minimum 1m high Stainless steel balustrade made up from: 50mm diameter round stainless steel post chemically anchored into structural stairs or concrete surface bed.50mm diameter round stainless steel handrail and 30mm diameter stainless steel central rail. Post to fitted with 90mm diameter round stainless steel adjustable flange.	m	10		
3	Minimum 1m high Stainless steel balustrade made up from: 50mm diameter round stainless steel post chemically anchored into concrete foundations.50mm diameter round stainless steel handrail. Post to fitted with 90mm diameter round stainless steel adjustable flange.	m	185		
4	Minimum 1m high Stainless steel balustrade made up from: 50mm diameter round stainless steel post chemically anchored into structural stairs or concrete surface bed.50mm diameter round stainless steel handrail. Post to fitted with 90mm diameter round stainless steel adjustable flange.	m	17		
5	50mm diameter round stainless steel handrail fixed to masonry/natural stone wall with stainless steel supports made up from 10mm diameter stainless steel support pins and stainless steel flange chemically anchored into existing wall.	m	44		
6	Minimum 1m high steel balustrade made up from: 50mm diameter round mild steel post chemically anchored into structural stairs or concrete surface bed. 50mm diameter round stainless steel handrail and 30mm diameter mild steel bottom and top rail. 10mm dia mild steel bars welded between top and bottom rail to allow for openings between bars of no more than 100mm.	m	45		
7	Minimum 1m high Galvanised mild steel ball and stanchion balustrade mechanically fixed to structural stairs or concrete surface bed	m	15		

Carried forward to Summary of Section No 3

NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS
CSIR MAIN CAMPUS, BRUMMERIA, PRETORIA

ITEM NO	DESCRIPTION	AMOUNT
1	PRELIMINARIES	
2	ALTERATIONS	
3	BUILDER'S WORK	
4	EXTERNAL WORKS	
	Sub Total Before Vat	
	Add 10% Contingency	
	Add Vat @ 15%	