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NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>SECTION NO 2</u>				
	<u>BILL NO 1</u>				
1	<u>ALTERATIONS</u>				
	For preambles see "Model Preambles for Trades"				
	SUPPLEMENTARY PREAMBLES				
	Old materials				
	Old materials from alterations except where described to be reused or handed over, become the property of the Contractor who must allow credit for same in the item rates as described below. Old materials from the removals and alterations except where described to be reused or handed over, as well as old rubbish, etc must regularly be carted from the site and not be allowed to accumulate on or around the site. None of the old materials are to be used for new work except where specifically described as to be handed over by the contractor to the Employer. Such materials or articles shall be properly stored by the contractor until handing over thereof. The contractor shall obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Employer for the full replacement value thereof which amount will be deducted from any monies due to the contractor				
	<u>REMOVAL OF EXISTING WORK</u>				
	Taking out/off and removing sundry metalwork				
1	Steel pipe handrails from walls, including brackets	m	60.00		
2	Pool maintenance on a weekly basis for a period of 36 Months	SUM	1.00		
	Weekly Maintenance - The following tasks will be performed on every pool maintenance visit:				
	1. Test the swimming pool water for pool water chemistry including salt levels.				
	2. Vacuum sweep the pool if necessary-				
	3. Brush down the pool walls and floor and scoop any debris in the pool surface if necessary. Backwash and Rinse the filtration system for optimum filtration. When necessary clean the Chlorinator cells of scale.				
	4. Add required chemicals taking the water test results as the guide.				
	5. Check if the pool system is in good working order, including the pool cleaner. A completed Tasks done and assessment form is provided on every site visit				
	Unscheduled Visits and breakdown call-outs				
	In case of a breakdown and/or a visit required during an unscheduled period a call-out fee will be charged separately with any repair work being quoted and a purchase order is required before work can be done.				
	Work that is not included in the monthly maintenance will be quoted and a purchase order required before work is done.				
	<u>BUDGETARY ALLOWANCE</u>				
3	Allow for unforeseen alterations, to be measured and priced in accordance with this Bill of Quantities and omitted in part or whole as instructed by Principal Agent	Item	1.00	R 10,000.00	R 10,000.00
4	Allow budgetary allowance of R50,000 for pool leak investigation & remedial work	Item	1.00	R 50,000.00	R 50,000.00
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NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>SECTION NO 2</u>				
	<u>BILL NO 2</u>				
2	<u>METALWORK</u>				
	For preambles see "Model Preambles for Trades"				
	SUPPLEMENTARY PREAMBLES				
	Descriptions of bolts, anchors, etc				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres				
	Pickle and Passivation				
	All stainless steel material should go under a 'pickle and passivation' process to avoid the material from future rust.				
	The following is processes are required				
	<u>Step 1 - Pickling</u>				
	The process to remove any iron or plain steel after the fabrication process to ensure that there are no contaminants before the passivation process. This can include treating material with acid solutions, including pickling pastes and gels or any electrochemical cleaning and polishing method.				
	<u>Step 2 - Passivation</u>				
	The treatment process applied to stainless steel to improve its corrosion resistance. The ASTM A380 standards describes best practises for cleaning, descaling and passivation of stainless steel parts.				
	Both these steps are required to be performed before installation takes place of the stainless steel material noted below.				
	<u>STAINLESS STEEL HANDRAILS</u>				
	Welded handrails to walls				
1	Polished stainless steel (grade 316) 2mm thick 50mm diameter stainless steel handrail suitably fixed with three 100mm diameter base plate on top of tiles	m	8.00		
2	Polished stainless steel (grade 316) 2mm thick 50mm diameter stainless steel handrails 660mm high and bend twice suitably fixed on top on existing seat with 100mm diameter base plate on top of tiles	No	2.00		
3	Polished stainless steel (grade 316) 2mm thick 35mm diameter stainless steel handrails suitably fixed with five 100mm diameter base plate on top on tiles	m	7.00		
4	Polished stainless steel (grade 316) 2mm thick 35mm diameter stainless steel handrails suitably fixed with four 100mm diameter base plate on top on tiles	m	3.00		
5	Polished stainless steel (grade 316) 2mm thick 35mm diameter stainless steel handrails suitably fixed with two 100mm diameter base plate on top on tiles	m	1.00		
6	Polished stainless steel (grade 316) 2mm thick 35mm diameter stainless steel handrails suitably fixed with two 100mm diameter base plate on top on tiles	m	4.00		
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NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
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	Welded balustrading to walkways				
	NOTE: ALL welding of stainless steel parts to be done in according with best practice for the specific grade of stainless steel and taking into account the surface condition of the parts involved as well as the use case of the parts in a swimming pool with the specific water conditions involved				
7	Polished stainless steel (316) 2mm thick 50mm diameter stainless steel balustrade with four 1'000mm posts suitably fixed on top and side of existing stairs with 80 x 100mm base plate on to top of tiles	m	14.00		
8	Polished stainless steel (grade 316) 2mm thick 50mm diameter stainless steel balustrade with three 900mm posts suitably fixed on top and side of existing stairs with 80 x 100mm base plate on top of tiles	m	7.00		
9	Polished stainless steel (grade 316) 2mm thick 50mm diameter stainless steel balustrade 15'830mm long with top and middle handrail, five bended handrails including five 1'000mm posts suitably fixed on bottom and sides floors with five 100mm diameter base plate	No	1.00		
	<u>SUNDRY METALWORK</u>				
10	Supply & install new 25 x 25mm stainless steel (grade 316) angles with Sika epoxy grout to existing channels	m	43.00		
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