

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	<b>BILL 1</b>	H1			
2	<b>PRELIMINARIES</b>	H1			
3	<b>NOTES</b>	H2			
4	i) The "General Conditions of Contract" as included in the "Standard Bidding Documents for Open Advertised Bidding Works" shall be the form approved.				
5	ii) Bidders are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary.				
6	iii) Bidders are referred to page 1/6 item F regarding the adjustment of preliminaries in any/all compensation events when pricing these preliminaries items in respect to "Fixed, Time or Value" relation.				
7	<b>CONDITIONS OF BUILDING CONTRACT</b>	H1			
8	<b>GENERAL</b>	H1			
9	CLAUSE 1 - DEFINITIONS				
10		Fixed			
11		Variable with Time			
12		Variable with Value			
13	CLAUSE 2 - INTERPRETATION				
14		Fixed			
15		Variable with Time			
16		Variable with Value			
17	CLAUSE 3 - LANGUAGE AND LAW				
18		Fixed			
19		Variable with Time			
20		Variable with Value			
21	CLAUSE 4 - PROJECT MANAGER'S DECISIONS				
22		Fixed			
23		Variable with Time			
24		Variable with Value			
25	CLAUSE 5 - DELEGATION				
26		Fixed			
27		Variable with Time			
28		Variable with Value			
29	CLAUSE 6 - COMMUNICATIONS				
30		Fixed			
31		Variable with Time			
32		Variable with Value			
33	CLAUSE 7 - SUBCONTRACTING				
34		Fixed			
35		Variable with Time			
36		Variable with Value			
37	CLAUSE 8 - OTHER CONTRACTORS				
38		Fixed			
39		Variable with Time			
40		Variable with Value			
	<b>Carried to Collection</b>				
				N\$	

41	CLAUSE 9 - PERSONNEL AND EQUIPMENT			
42		Fixed		
43		Variable with Time		
44		Variable with Value		
45	CLAUSE 10 - EMPLOYER'S AND CONTRACTOR'S RISKS			
46		Fixed		
47		Variable with Time		
48		Variable with Value		
49	CLAUSE 11- EMPLOYER'S RISKS			
50		Fixed		
51		Variable with Time		
52		Variable with Value		
53	CLAUSE 12 - CONTRACTOR'S RISKS			
54		Fixed		
55		Variable with Time		
56		Variable with Value		
57	CLAUSE 13 - INSURANCE			
58		Fixed		
59		Variable with Time		
60		Variable with Value		
61	CLAUSE 14 - SITE DATA			
62		Fixed		
63		Variable with Time		
64		Variable with Value		
65	CLAUSE 15 - CONTRACTOR TO CONSTRUCT THE WORKS			
66		Fixed		
67		Variable with Time		
68		Variable with Value		
69	CLAUSE 16 - THE WORKS TO BE COMPLETED BY THE INTENDED COMPLETION DATE			
70		Fixed		
71		Variable with Time		
72		Variable with Value		
73	CLAUSE 17 - APPROVAL BY THE PROJECT MANAGER			
74		Fixed		
75		Variable with Time		
76		Variable with Value		
77	CLAUSE 18 - SAFETY			
78		Fixed		
79		Variable with Time		
80		Variable with Value		
81	CLAUSE 19 - DISCOVERIES			
82		Fixed		
83		Variable with Time		
84		Variable with Value		
85	CLAUSE 20 - POSSESSION OF SITE			
86		Fixed		
87		Variable with Time		
88		Variable with Value		
			Carried to Collection	
				N\$

89	CLAUSE 21 - ACCESS TO THE SITE				
90		Fixed			
91		Variable with Time			
92		Variable with Value			
93	CLAUSE 22 - INSTRUCTIONS				
94		Fixed			
95		Variable with Time			
96		Variable with Value			
97	CLAUSE 23 - APPOINTMENT OF THE ADJUDICATOR				
98		Fixed			
99		Variable with Time			
100		Variable with Value			
101	CLAUSE 24 - PROCEDURE FOR DISPUTES				
102		Fixed			
103		Variable with Time			
104		Variable with Value			
<b>105</b>	<b>TIME CONTROL</b>		<b>H1</b>		
106	CLAUSE 25 - PROGRAM				
107		Fixed			
108		Variable with Time			
109		Variable with Value			
110	CLAUSE 26 - EXTENSION OF THE INTENDED COMPLETION DATE				
111		Fixed			
112		Variable with Time			
113		Variable with Value			
114	CLAUSE 27- ACCELERATION				
115		Fixed			
116		Variable with Time			
117		Variable with Value			
118	CLAUSE 28 - DELAYS ORDERED BY THE PROJECT MANAGER				
119		Fixed			
120		Variable with Time			
121		Variable with Value			
122	CLAUSE 29 - MANAGEMENT MEETINGS				
123		Fixed			
124		Variable with Time			
125		Variable with Value			
126	CLAUSE 30 - EARLY WARNING				
127		Fixed			
128		Variable with Time			
129		Variable with Value			
<b>130</b>	<b>QUALITY CONTROL</b>		<b>H1</b>		
131	CLAUSE 31 - IDENTIFYING DEFECTS				
132		Fixed			
133		Variable with Time			
134		Variable with Value			
		<b>Carried to Collection</b>			
				<b>N\$</b>	





233	CLAUSE 56 - OPERATING AND MAINTENANCE MANUALS		
234		Fixed	
235		Variable with Time	
236		Variable with Value	
237	CLAUSE 57 - TERMINATION		
238		Fixed	
239		Variable with Time	
240		Variable with Value	
241	CLAUSE 58 - FRAUD AND CORRUPTION		
242		Fixed	
243		Variable with Time	
244		Variable with Value	
245	CLAUSE 59 - PAYMENT UPON TERMINATION		
246		Fixed	
247		Variable with Time	
248		Variable with Value	
249	CLAUSE 60 - PROPERTY		
250		Fixed	
251		Variable with Time	
252		Variable with Value	
253	CLAUSE 61 - RELEASE FROM PERFORMANCE		
254		Fixed	
255		Variable with Time	
256		Variable with Value	
<b>257</b>	<b>SPECIFIC PRELIMINARIES</b>		<b>H1</b>
258	SAMPLES OF MATERIAL The contractor shall furnish at his own cost such samples of materials and specimens of colours as may be called for by the architect for his approval.		
259		Fixed	
260		Variable with Time	
261		Variable with Value	
262	SAMPLES OF WORKMANSHIP AND MOCK-UPS The contractor shall furnish such samples of workmanship as may be called for by the architect for his approval. Where an assembly of various elements of the buildings is required, which is not incorporated in the works, this shall be arranged by the contractor. Any cost involved shall be borne by the employer.		
263		Fixed	
264		Variable with Time	
265		Variable with Value	
266	ORDERING OF MATERIALS Should the Bills of Quantities be used for ordering materials, this shall be entirely at the contractor's risk.		
267		Fixed	
268		Variable with Time	
269		Variable with Value	
		<b>Carried to Collection</b>	
			<b>N\$</b>



294	WATER			
	The contractor shall provide all water for the works, including all necessary temporary plumbing, removing same and making good on completion.			
295			Fixed	
296			Variable with Time	
297			Variable with Value	
298	ELECTRICITY AND LIGHTING			
	The contractor shall provide all necessary electricity and artificial lighting for the works, including all necessary temporary installation work, removing same and making good on completion.			
299			Fixed	
300			Variable with Time	
301			Variable with Value	
302	TELEPHONES			
	The contractor shall provide, maintain and remove on completion a PT telephone on site for use by all persons engaged upon the works and shall be entitled to recover the cost of outgoing calls from those making them.			
303			Fixed	
304			Variable with Time	
305			Variable with Value	
306	TOILETS			
	The contractor shall provide, maintain in a thoroughly clean and tidy condition proper toilets for the use of the workmen and remove same upon completion.			
307			Fixed	
308			Variable with Time	
309			Variable with Value	
310	PAYMENT OF PRELIMINARIES			
	The amount to be included in each monthly certificate in respect of preliminaries costs shall be calculated from the priced items within the preliminaries section of the bills of quantities. The contractor and quantity surveyor shall agree a division of the priced preliminaries items into:			
	1) an initial establishment charge, payment of which shall be made to the contractor on proof that the relevant expenditures have been made;			
	2) a monthly charge, and			
	3) a final or dis-establishment charge			
	Should the contractor and quantity surveyor be unable to agree such division, the quantity surveyor shall make a fair and reasonable division. In arriving at such division, cognisance shall be taken of such factors as:			
	1) premiums for insurance policies and performance guarantees being renewed annually			
	2) plant, scaffolding and the like remaining the property of the contractor or the hiring company and the capital cost thereof not being treated as part of the initial charge.			
	In the event of an extension of time for the completion of the works, the monthly charge be recalculated on the same basis as originally but taking into account the revised contract period and the amounts already paid to the contractor.			
311			Fixed	
312			Variable with Time	
313			Variable with Value	
				<b>Carried to Collection</b>
				<b>N\$</b>







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362	<b>BILL 1</b>	H1		
363	<b>EARTHWORKS (PROVISIONAL)</b>	H1		
364	NOTES: The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.			
365	The nature of the ground is assumed to be loose sandy material, therefore "earth".			
366	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			
367	All road works are to be in accordance with SABS 1200, 1058 and 927 as amended			
368	<b>EXCAVATION, FILLING, ETC. OTHER THAN BULK</b>	H1		
369	<u>Excavation in earth not exceeding 2m deep</u>	H2		
370	Trenches	m3	208	
371	Holes	m3	4	
372	<u>Extra over excavations for:</u>	H2		
373	Excavating in soft rock	m3	49	
374	Excavating in hard rock	m3	8	
375	<u>Risk of collapse of excavations to:</u>	H2		
376	Sides of trench and hole excavations not exceeding 1,5m deep	m2	610	
377	<u>Keeping excavations free of water</u>	H2		
378	Allow for keeping excavations free of water or mud	Item	1	
379	<b>FILLING, COMPACTION, ETC.</b>	H1		
380	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 96% Mod AASHTO density</u>	H2		
381	Backfilling to trenches, holes, etc.	m3	88	
382	<u>"G5" quality earth filling supplied by the contractor compacted to 95% Mod AASHTO dry density in layers not exceeding 150mm thick</u>	H2		
383	Under floors, steps, pavings, etc.	m3	71	
384	<u>"G7" quality earth filling supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm thick</u>	H2		
385	Under floors, steps, pavings, etc	m3	71	
386	<u>Coarse river sand filling supplied by the Contractor</u>	H2		
387	Under solid floors to receive damp-proof-membrane (elsewhere measured)	m2	474	
388	<u>Soilcrete</u>	H2		
389	Backfilling to trenches, holes, etc. with soilcrete comprising 5% Ordinary Portland Cement and 95% approved material arising from the excavations	m3	46	
	<b>Carried to Collection</b>			
				<b>N\$</b>

390	<u>Extra over all excavations for carting away</u>	H2			
391	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m3	76		
392	<b>COMPACTION OF SURFACES</b>	H1			
393	<u>Compaction of surfaces</u>	H2			
394	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2	474		
395	Bottoms of trenches and holes	m2	20		
396	<b>SOIL POISONING</b>	H1			
397	<u>Soil insecticide</u>	H2			
398	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	474		
399	To bottoms and sides of trenches, etc.	m2	619		
400	<b>SOIL TESTING</b>	H1			
401	<u>Testing of material, filling, compaction, etc.</u>	H2			
402	Allow the provisional amount of N\$ 10,000.00 (TEN THOUSAND NAMIBIA DOLLARS NETT) for material and density tests to be deducted in part or whole if not required	Item	1	10,000.00	10,000.00
<b>Carried to Collection</b>				N\$	

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403	<b>BILL 2</b>	H1		
404	<b>CONCRETE, FORMWORK AND REINFORCEMENT</b>	H1		
405	NOTES: The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.			
406	<b>TESTS</b>	H1		
407	<u>Cost of tests</u>	H3		
408	Allow for the manufacture of a set of six concrete strength test cubes as described, size 150mm x 150mm x 150mm, transporting to and handing over to an approved testing authority and paying all costs and charges related thereto	Sets	10	
409	<b>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>	H2		
410	<u>Concrete class 25MPa/19mm in</u>	H3		
411	Strip footings	m3	48	
412	Surface beds on waterproofing	m3	36	
413	Apron slabs and ramps	m3	12	
414	<b>REINFORCED CONCRETE</b>	H1		
415	<u>Concrete class 30MPa/19mm cast against excavated surfaces in:</u>	H2		
416	Bases	m3	1	
417	<u>Concrete class 30MPa/19mm cast in:</u>	H2		
418	Columns in foundations	m3	1	
419	Ring beams	m3	13	
420	Extra for thickening out 150mm thick concrete apron to form edge toe size 200mm wide average x 400mm deep with one splayed edge including all necessary excavation, formwork, concrete and dressing of ant treatment around	m	116	
421	<b>CONCRETE SUNDRIES</b>	H2		
422	<u>Finishing top surfaces of concrete smooth with a wood float</u>	H3		
423	Surface beds, slabs, ramps, etc. to falls	m2	474	
	<b>Carried to Collection</b>			N\$

424	<u>FORMWORK</u>	H2		
425	<u>NOTES:</u>	H2		
426	Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.			
427	The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
428	Formwork to soffits of solid slabs, etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to sides of items described as "in ground" means formwork from top of bearing level to top of surface bed. Where a height above bearing level is stated, the bearing level is taken to be the surface bed or slab level as the case may be.			
429	Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".			
430	Irrespective of overall height of columns, walls, etc., all items described as in foundations have been categorised to the top of surface bed level.			
431	Unless otherwise described prices for all formwork in superstructure shall include for propping to a height not exceeding 3,5m above bearing level.			
432	<b>ROUGH FORMWORK (DEGREE OF ACCURACY III)</b>	H1		
433	<u>Rough formwork to sides of:</u>	H2		
434	Columns in foundation	m2	8	
435	<b>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</b>	H1		
436	<u>Smooth formwork to sides of:</u>	H2		
437	Ring beams	m2	119	
438	<u>Smooth formwork to soffits of:</u>	H2		
439	Ring beams propped up exceeding 1.5m and not exceeding 3.5m high	m2	38	
440	<b>MOVEMENT JOINTS, ETC.</b>	H1		
441	<u>Two layers of 250 micron "Consol Plastic Gunplas USB Green" or other approved waterproof sheeting sealed at joints between horizontal concrete and brick surfaces:</u>	H2		
442	Slip joints between concrete and brickwork not exceeding 300mm wide	m	644	
443	<u>Expansion joints with 10mm bitumen impregnated fibre board between vertical concrete and brick surfaces:</u>	H2		
444	10mm Joints not exceeding 300mm high	m	336	
	<b>Carried to Collection</b>			N\$



445	<b>REINFORCEMENT</b>	H1		
446	<u>High tensile steel reinforcement to structural concrete work:</u>	H2		
447	10mm Diameter bars	t	1.69	
448	12mm Diameter bars	t	1.44	
449	<u>Fabric reinforcement:</u>	H2		
450	Wire fabric reinforcement Ref. 245 cast in concrete	m2	474	
451	Wire fabric reinforcement Ref. 617 cast in concrete	m2	163	
<b>Carried to Collection</b>				N\$

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452	<b>BILL 3</b>				H1
453	<b>MASONRY</b>				H1
454	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill. Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.				
455	<b>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</b>				H2
456	<u>Brickwork in class 14MPa cement bricks in class II cement mortar</u>				H3
457	Half brickwall	m2	25		
458	One brick walls	m2	129		
459	<b>BRICKWORK IN SUPERSTRUCTURE</b>				H2
460	<u>Brickwork in class 7 MPa cement bricks in class II cement mortar</u>				H3
461	Half brick walls	m2	86		
462	One brick walls	m2	475		
463	Halfbrick in beamfilling	m2	19		
464	<b>BRICKWORK SUNDRIES</b>				H2
465	<u>Natural grey fibre cement window sills in single lengths bedded in class I mortar including metal fixing lugs, etc.:</u>				H3
466	150mm x 15mm Thick sills set flat and slightly projecting	m	41		
467	<u>Brickwork reinforcement</u>				H3
468	75mm Wide reinforcement built in horizontally in foundations (Provisional)	m	425		
469	75mm Wide reinforcement built in horizontally	m	409		
470	150mm Wide reinforcement built in horizontally in foundations (Provisional)	m	2160		
471	150mm Wide reinforcement built in horizontally	m	1824		
472	<u>Approved prestressed fabricated lintols</u>				H3
473	110mm x 76mm Lintels not exceeding 3m	m	102		
Carried to Final Summary					
					N\$

474	<b>BILL 4</b>	H1		
475	<b>WATERPROOFING</b>	H1		
476	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.			
477	<b>DAMPPROOFING OF WALLS AND FLOORS</b>	H2		
478	<u>One layer of 375 micron embossed damp proof course</u>	H3		
479	In walls	m2	77	
480	<u>One layer of 250 micron waterproof sheeting sealed at laps with pressure sensitive tape</u>	H3		
481	Under floors, including dressing up against walls, etc.	m2	538	
482	<b>JOINT SEALANTS, ETC.</b>	H2		
483	<u>"Sikaflex-35SL" or similar and approved polyurethane sealing compound including backing cord, bond breaker, primer, etc. applied in strict accordance with the manufacturer's instructions</u>	H3		
484	12mm x 10mm In expansion joints in floors including raking out expansion joint filler as necessary	m	404	
<b>Carried to Final Summary</b>				
				N\$

485	<b>BILL 5</b>				H1
486	<b>ROOF COVERINGS, ETC.</b>				H1
487	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.				
488	<b>PROFILED METAL SHEETING AND ACCESSORIES</b>				H1
489	<u>0,58mm Galvanized"IBR" roof sheeting in single lengths fixed to steel purlins (elsewhere at maximum 1 100mm centres) and accessories, all fixed in accordance with the manufacturer's instructions</u>				H2
490	Roof covering with pitch not exceeding 25 degrees	m2	452		
491	Side wall flashing 462mm girth and notched on site to suit roof profile	m	40		
492	Headwall flashing 375mm girth twice bent and notched on site to suit roof profile	m	38		
493	Broad flute poly-closer	m	68		
494	<b>ROOF INSULATION</b>				H2
495	<u>"Sisalation 420" heavy industrial grade aluminium foil based insulation</u>				H3
496	Insulation laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	452		
Carried to Final Summary					
N\$					

497	<b>BILL 6</b>							
498	<b>CARPENTRY AND JOINERY</b>							
499	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.							
500	<b>EAVES, VERGES, ETC</b>							
501	<u>Pressed fibre cement</u>							
502	12mm x 225mm Fascias and barge boards including galvanised steel H-profile jointing strips			m		89		
503	<b>DOORS, ETC.</b>							
504	<u>40mm Semi-solid flush panel doors with "Masonite" or similar and approved wood panel veneer and hardwood edges hung to aluminium frames</u>							
505	40mm Door size 813mm x 2 032mm high			No		6		
506	<u>40mm Solid core flush panel doors with "Masonite" or similar and approved wood panel veneer and hardwood edges hung to aluminium frames</u>							
507	40mm Door size 813mm x 2 032mm high			No		8		
508	40mm Door size 1 511mm x 2 032mm high			No		4		
<b>Carried to Final Summary</b>								
							<b>N\$</b>	

509	<b>BILL 7</b>					
510	<b>CEILINGS, ETC.</b>					
511	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.					
512	<b>SHEETMETAL CEILINGS</b>					
513	<u>0.58mm Corrugated "Aluzinc" or other approved steel sheeting in single lengths fixed to steel purlins or rails:</u>					
514	Ceilings fixed to steel purlins (ceiling bearer purlins elsewhere measured)	m2		286		
515	Extra over ceiling for 850mm x 850mm trap door of 38mm x 50mm mild steel angle section framing with one 50mm x 50mm mild steel angle section brander covered with IBR ceiling and fitted flush in opening	No		8		
516	<u>Cornices to sheetmetal ceilings:</u>					
517	50mm x 50mm x 5mm Thick mild steel angle cornice riveted to sheet steel ceiling and screwed to brickwork at 450mm centres	m		284		
<b>Carried to Final Summary</b>						
						<b>N\$</b>

518	<b>BILL 8</b>	H1		
519	<b>IRONMONGERY</b>	H1		
520	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.			
521	<b>HINGES, BOLTS, ETC.</b>	H1		
522	<u>"Union" or other approved:</u>	H2		
523	Code "DBB-SS-09" 102 steel butt hinges fixed to metal	No	48	
524	<b>LOCKS, ETC.</b>	H1		
525	<u>"Union" or other approved:</u>	H2		
526	"Union 2 x 20SCMK" or similar and approved single cylinder lockset	No	18	
527	"Union Euro profile code 5305-O5SC" or similar and approved escutcheons fixed back to back	No	18	
528	<b>HANDLES</b>	H1		
529	<u>"Union" or other approved:</u>	H2		
530	Pair of code "DHP206", 400 X 32mm T-shaped offset, back to back fixing set	No	8	
531	Pair of code "DCE-002", TH121 CYL tubular stainless steel lever handles	No	4	
532	<b>DOOR SUNDRIES</b>	H1		
533	<u>"Union" or other approved:</u>	H2		
534	Code "TS77" Dorma overhead door closer	No	4	
535	Dorma Code "DHC-SS-031B" stainless steel hat and coat hook with rubber buffer	No	2	
536	"Union AL8730AS" or similar and approved floor mounted aluminium door stop with annodised silver finish	No	18	
537	<b>PUSH PLATES AND KICKING PLATES</b>	H1		
538	<u>"Union" or other approved:</u>	H2		
539	200mm high x 813mm wide x 1.2mm thick Grade 304 stainless steel kick plate glued & screw fixed to both sides of door leaf	m	10	
540	<b>PELMETS AND CURTAIN TRACKS</b>	H2		
541	<u>Double curtain track for face fixing with 120mm projection including 14 rollers per metre, brackets, stopped ends, etc.</u>	H3		
542	Curtain track to suit 1 500mm long window opening	No	6	
543	Curtain track to suit 1 800mm long window opening	No	26	
544	Curtain track to suit 900mm long window opening	No	6	
	<b>Carried to Collection</b>			N\$





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559	<b>BILL 9</b>				H1
560	<b>STRUCTURAL STEELWORK</b>				H1
561	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.				
562	<b>SUPPLEMENTARY PREAMBLES</b>				H1
563	Descriptions Descriptions of bolts shall deem to include nuts and washers. Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete. Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete. All steel to be painted with red oxide primer before delivery to site. Shop drawings shall be prepared and submitted for approval prior to manufacture.				
564	<b>STEEL TRUSSES, ETC.</b>				H1
565	<u>Welded roof trusses of square hollow section rails, struts, braces, angle section cleats, etc. and flat section bearer, gusset and connection plates bolted to concrete or brickwork</u>				H2
566	Allow provisional tonage for structural steelwork @ 25kg/m	t	11.29		
567	<b>STEEL COLUMNS AND BEAMS</b>				H1
568	<u>Welded columns in single lengths with flat section base, top, bearer and connection plates bolted to concrete:</u>				H2
569	203mm x 203mm x 5mm x 30kg/m square hollow section column	t	0.36		
570	<u>Bolts, baseplates, etc.</u>				H2
571	300mm x 300mm x 12mm Thick baseplate four times holed for and including chemset bolts 4x M10 bolts 150mm long	No	8		
572	<u>Bolts to columns, beams, bearers, etc.:</u>				H2
573	M10 Bolts including nuts and washers	No	16		
574	<b>PURLINS</b>				H1
575	<u>Purlins and girts bolted to steel:</u>				H2
576	100mm x 50mm x 20mm x 2.5mm Thick lipped channel purlins	t	1.85		
577	75mm x 50mm x 20mm x 2.5mm Thick lipped channel ceiling purlins	t	1.26		
Carried to Final Summary					
					N\$

578	<b>BILL 10</b>	H1		
579	<b>METALWORK</b>	H1		
580	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill. Descriptions of bolts shall be deemed to include nuts and washers. Descriptions of expansion anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete. Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolt(s) unless otherwise described.			
581	<b>WELDED SCREENS, GATES, ETC.</b>	H1		
582	<u>The following in welded palisade fencing</u>	H2		
583	100mm x 100mm x 3mm Mild steel square hollow section post 1 500mm high overall with closed top welded to base plate (elsewhere measured)	No	3	
584	3 000mm x 1 500mm High overall pre-manufactured palisade panel welded to steel columns (elsewhere measured)	No	2	
585	150mm x 150mm x 5mm Thick wall plate including four 100m long M8 rawl bolts fixed to top of wall	No	4	
586	<u>Purpose-made mild steel screens:</u>	H2		
587	Mild steel screen double door gate size 2 500mm x 2 100mm high overall formed of 50mm x 50mm x 3mm thick square hollow section frame bolted to wall, with 25mm x 25mm x 2mm members at 90mm centers welded to the frame and including 80mm x 3mm thick steel plate welded to 25mm x 25mm square hollow section to one side of the door, complete with hinges, prison type lock and factory zinc chromate finish	No	1	
588	<b>PRESSED STEEL DOOR FRAMES</b>	H1		
589	<u>1,2mm Double rebated frames suitable for half brick walls</u>	H3		
590	Frame for door size 813mm x 2 032mm high	No	9	
591	<u>1,2mm Double rebated frames suitable for one brick walls</u>	H3		
592	Frame for door size 813mm x 2 032mm high	No	5	
593	Frame to suit 40mm thick double door size 1 511mm x 2 032mm high overall	No	4	
594	<b>STEEL WINDOWS,DOORS, ETC.</b>	H1		
595	<u>"DuroWin" or similar and approved standard residential section steel windows with "Type B1" or similar and approved burglar proofing to all opening sections</u>	H2		
596	Window type NE1 size 533mm x 654mm high overall	No	6	
597	Window type I-HCH size 1 143mm x 457mm high overall	No	6	
598	Window type 5-HCH size 1 143mm x 854mm high overall	No	26	
	<b>Carried to Final Summary</b>			
				<b>N\$</b>



614	<b>BILL 12</b>			H1		
615	<b>TILING</b>			H1		
616	<u>NOTES</u>					
	The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.					
617	<b>WALL TILING</b>			H1		
618	<u>200mm x 200mm x 5mm "Johnson" or similar approved matt white ceramic wall tiles fixed with "Tal Professional" or similar approved adhesive to screed (screed elsewhere measured) and flush pointed with "Tal Dove Grey" or similar approved grout</u>			H2		
619	Walls			m2	43	
620	<b>FLOOR TILING</b>			H1		
621	<u>300mm x 300mm x 8mm "Dimo Top 320" or similar approved ceramic floor tiles fixed with "Tal Professional" or similar approved adhesive to screed (screed elsewhere measured) and flush pointed with "Tal Dove Grey" or similar approved grout</u>			H2		
622	On floors and landings			m2	284	
623	150mm High tile skirting			m	249	
624	<b>SUNDRIES</b>			H1		
625	<u>Metal beads, trims, etc</u>			H2		
626	"Genesis EAQ 100.80" or similar and approved aluminium quadrant metal trim			m	299	
Carried to Final Summary						
						N\$

627	<b>BILL 13</b>	<b>H1</b>		
628	<b>PLUMBING AND DRAINAGE</b>	<b>H1</b>		
629	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill.			
630	<b>SUPPLEMENTARY PREAMBLES</b>	<b>H2</b>		
631	<p><u>uPVC pipes and fittings</u> Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings. Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p><u>uPVC pressure pipes and fittings</u> Pipes for water supply shall be of the class stated. Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings. Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><u>Copper pipes</u> Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground</p> <p><u>Flush pans</u> Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p>			
632	<p><u>Waste unions</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><u>Exposed concrete surfaces</u> Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc. shall be finished smooth with plaster</p> <p><u>Excavations</u> No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling. "Soft rock" and "hard rock" shall be as defined in "Earthworks"</p>			
	<b>Carried to Collection</b>			<b>N\$</b>

<u>Laying, backfilling, bedding, etc. of pipes</u>				
Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions				
Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:				
<u>SABS 1200</u>				
L : Medium-pressure pipelines				
LD : Sewers				
LE : Stormwater drainage				
Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200				
<u>DB : Earthworks (Pipe trenches)</u>				
Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200				
<u>LB : Bedding (Pipes)</u>				
Unless otherwise described bedding of rigid pipes shall be class B bedding				
<b>633</b>	<b>SOIL DRAINAGE</b>	<b>H1</b>		
<b>634</b>	<u>uPVC pipes</u>	<b>H2</b>		
635	110mm Pipe vertically or ramped to cleaning eyes (No excavation)	m	22	
636	110mm Pipe laid in and including trenches not exceeding 1m deep	m	45	
<b>637</b>	<u>Extra-over uPVC soil, waste and ventilation pipes for the following fittings</u>	<b>H2</b>		
638	110mm Bend	No	8	
639	110mm Long radius bend	No	4	
640	110mm Cleaning eye	No	4	
<b>641</b>	<b>SANITARY PLUMBING</b>	<b>H2</b>		
<b>642</b>	<u>uPVC waste and ventilation pipes</u>	<b>H3</b>		
643	40mm Pipe	m	8	
644	50mm Pipe	m	8	
645	110mm Pipe	m	16	
<b>646</b>	<b>Extra-over uPVC pipes for fittings</b>	<b>H3</b>		
647	40mm Bend	No	7	
648	50mm Bend	No	4	
649	50mm Junction	No	2	
650	50mm Cleaning eye	No	2	
651	110mm Junction with inspection eye	No	4	
652	110mm Straight pan connector	No	6	
653	110mm Two-way vent valve	No	6	
654	110mm Junction	No	12	
<b>Carried to Collection</b>				<b>N\$</b>



655	<u>TRAPS, ETC.</u>	H2		
656	40mm PVC bottle trap	No	3	
657	40mm x 300mm Sink combination for double bowl with deepseal "P" trap	No	3	
658	<u>Testing:</u>	H2		
659	Allow for testing the whole of the sanitary plumbing installation and for replacing and/or rectifying defective work as directed by the Engineer and re-testing until found to be perfect	Item	1	
660	<b>WATER SUPPLIES</b>	H1		
661	<u>H.D.P.E. type IV pipes class 10 to SABS 533</u>	H2		
662	25mm Pipe laid in and including trenches not exceeding 1m deep	m	20	
663	<u>Extra over H.D.P.E. class 10 pipes for the following compression fittings</u>	H2		
664	Fittings not exceeding 30mm	No	10	
665	<u>Class O copper pipes</u>	H3		
666	15mm Pipe	m	14	
667	22mm Pipe	m	20	
668	<u>Extra over class O copper pipes for capillary fittings</u>	H3		
669	15mm Fittings	No	18	
670	22mm Fittings	No	30	
671	<u>20MPa/19mm Unreinforced concrete thrust block at elbow, bend, etc. including all necessary additional excavations, casing, etc.</u>	H3		
672	<u>Testing</u>	H2		
673	Allow for testing the whole of the water supply installation	Item	1	
674	<u>VALVES, TAPS, ETC.</u>	H2		
675	15mm 232/350CP angle regulating valve with 350mm service connection	No	12	
676	15mm "Aquila 114CP" pillartap	No	10	
677	15mm Cobra "Carina 296" CP single taphole sink mixer	No	1	
678	<b>SANITARY FITTINGS</b>	H1		
679	<u>Glazed ceramic fittings</u>	H2		
680	"Vaal Lotus Code 7026" or similar and approved white lavatory basin size 635mm x 485mm with two taphole, fixed to wall with and including "Lotus Code 715201" or similar and approved half pedestal and hanger mechanism and including 32mm "Cobra 301-32" or similar and approved chromium-plated waste with plug, chain and stay	No	3	
681	"Bambino White Junior" kids toilet pan including seat, bibo front flush cistern and mechanism	No	4	
	<b>Carried to Collection</b>			N\$

682	"Vaal Hibiscus" white vitreous china wash hand basin "Code 7030"  size 550mm x 400mm with two semi-puncged tapholes, including integrated overflow and chainstay hole through the centre semi-punched taphole and waste union hole, fixed to wall with two 10mm bolts "Code 703102"	No	2	
683	"Vaal Protea" code "750200" white paraplegic low level suite white vitreous china or similar approved 90 degree outlet closed coupled wash down pan, with matching 9 litre cistern (Code 710631) complete with lid, fitments, sealing rings and purpose made C.P. side flush lever (left or right) or a back inlet exposed flush valve	No	2	
684	<u>"Franke" or other approved:</u>	<u>H2</u>		
685	"Franke C8" curvline model size 860mm x 435mm single end bowl stainless steel inset sink with spazio plumbing kit	No	1	
686	<b>WATER SUPPLIES TO FIRE APPLIANCES</b>	<b>H1</b>		
687	<u>Medium class galvanised mild steel pipes:</u>	<u>H2</u>		
688	25mm Stand pipes fixed in position	m	20	
689	25mm Pipes laid in and including trenches	m	15	
690	<u>Extra over medium class galvanised mild steel pipes for the following fittings:</u>	<u>H2</u>		
691	25mm Fittings	No	20	
692	<u>Testing</u>	<u>H2</u>		
693	Allow for testing the whole of the fire water supply installation	Item	1	
694	<b>FIRE PROTECTION SERVICES</b>	<b>H1</b>		
695	<u>"Chubb" or other approved</u>	<u>H2</u>		
696	9kg Approved rechargeable dry chemical powder (DPE) fire extinguisher complete with initial charge fixed to and including a 25mm x 250mm x 600mm red enamel painted wrought hardwood backing board with suitable brackets, etc.	No	2	
697	Approved wall mounted non-swing SABS No. 543/1973 type fire hose reel complete with drum, 30m of 18mm diameter 4-ply red rubber hose and 8mm shut off nozzle, including hose guide and nylon rollers, fixed to wall with and including wall bracket	No	1	
<b>Carried to Collection</b>				
				<b>N\$</b>

**COLLECTION**

Total Brought Forward from Page No.

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Amount

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Carried to Final Summary

N\$

698	<b>BILL 14</b>	H1		
699	<b>GLAZING</b>	H1		
700	<u>NOTES:</u>	H2		
701	Attention is directed to the relevant sections of the Model Preambles to All Trades which forms a part of this Bill and must be read in conjunction herewith			
702	<b>GLAZING TO STEEL WITH PUTTY</b>	H1		
703	<u>4mm Clear float glass</u>	H2		
704	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	28	
705	<u>4mm Obscure glass</u>	H2		
706	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	2	
707	<b>MIRRORS</b>	H2		
708	<u>6mm Float glass silver backed mirror with polished edges all round, holed for and screwed to wall with chromium-plated dome headed capped screws with rubber grommets</u>	H3		
709	Mirror size 450mm wide x 600mm high	No	3	
Carried to Final Summary				
				N\$

710	<b>BILL 15</b>								
711	<b>PAINTING</b>								
712	<u>NOTES:</u> The Tenderer is advised to refer to the "Model Preambles for all Trades" before pricing this Bill								
713	<b>ON FLOATED PLASTER</b>								
714	<u>Prepare and apply one coat "Plascon X107" or other approved acrylic first coater, stop with "Plascon Mendall 90" and apply two coats "Plascon Wall and All" paint on</u>								
715	External smooth plastered walls	m2					515		
716	External smooth plastered walls in foundations (Provisional)	m2					38		
717	<u>Prepare and stop with "Plascon Interior Polyfilla" or other approved, apply one coat "Plascon X107 Acrylic First Coater" and two coats "Plascon Double Velvet Luxury Wall Coating" on:</u>								
718	Internal smooth plastered walls	m2					670		
719	<b>ON METAL</b>								
720	<u>Spot priming defects on pre-primed surfaces with one coat "Plascon Namelcoat" or other approved synthetic primer, one coat "Plascon Merit" universal undercoat and two finishing coats "Plascon Velvagio" high gloss enamel paint on steel</u>								
721	Door frames	m2					45		
722	Glazed steel windows	m2					61		
723	Steel columns and beams	m2					18		
724	Metal gates (both sides measured over the full flat area)	m2					11		
725	Pelisade (both sides measured over the full flat area)	m2					19		
726	Exposed members of roof rafters	m2					34		
727	<u>Prepare and clean with "Plascon Iron Cleaner" or other approved and apply one coat "Plascon Galvanised Iron Primer" or other approved and apply two coats "Plascon Roofguard Cottage White" or other approved paint on:</u>								
728	Galvanised corrugated ceiling sheeting (measured on flat)	m2					286		
729	<b>ON WOOD</b>								
730	<u>Sand down, clean and apply one coat "Plascon Merit" or other approved universal undercoat and two finishing coats "Plascon Velvagio" paint on</u>								
731	Doors	m2					74		
732	<b>ON FIBRE-CEMENT</b>								
733	<u>Prepare and apply one coat "Dulux" or other approved primer and apply two coats "Dulux Acylic PVA" or other approved paint on:</u>								
734	Fascias	m2					41		
<b>Carried to Final Summary</b>									
							<b>N\$</b>		

<b>SECTIONAL SUMMARY BUILDERS WORK</b>			
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CONCRETE, FORMWORK AND REINFORCEMENT	Page	18	
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<b>SUB-TOTAL</b>			

<b>FINAL SUMMARY</b>				
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ELECTRICAL INSTALLATIONS				
MECHANICAL INSTALLATIONS				
<b>SUB-TOTAL</b>	<b>ST</b>			
<b>CONTINGENCIES</b>	<b>H3</b>			
Provide the sum of N\$ 60,000.00 (SIXTY THOUSAND NAMIBIA DOLLARS NETT) for Contingencies to be used as directed by the Architect and to be deducted in whole or in part if not required	Item	1	60,000.00	60,000.00
<b>NETT CONSTRUCTION COST</b>	<b>ST</b>			
VAT	VAT	15%		
<b>CARRIED TO FORM OF TENDER</b>				