

77 **Location**78 **Water**79 **Electricity**80 **Telecommunication facilities**81 **Ablution facilities**82 **General attendance**83 **Special attendance**84 **Commissioning - fuel, water and electricity**85 **Statutory taxes, duties and levies**86 **Payment for preliminaries**

Carried Forward R

-21-

Brought Forward R

87 **Adjustment of preliminaries**

Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "when submitting his priced bills of quantities / lump sum document"

Fixed:..... Value related:..... Time related:.....

88 **Payment certificate cash flow**

Fixed:..... Value related:..... Time related:.....

11: GENERAL

89 **Protection of the works**

Fixed:..... Value related:..... Time related:.....

90 **Protection / isolation of existing / sectionally occupied works**

Fixed:..... Value related:..... Time related:.....

91 **Security of the works**

Fixed:..... Value related:..... Time related:.....

92 **Notice before covering work**

Fixed:..... Value related:..... Time related:.....

93 **Disturbance**

Fixed:..... Value related:..... Time related:.....

94 **Environmental disturbance**

Fixed:..... Value related:..... Time related:.....

95 **Works cleaning and clearing**

Fixed:..... Value related:..... Time related:.....

96 **Vermin**

Fixed:..... Value related:..... Time related:.....

97 **Overhand work**

Fixed:..... Value related:..... Time related:.....

Carried Forward R

Bill No. 1
Preliminaries

Brought Forward R

98 **Instruction manuals and guarantees**

Fixed:..... Value related:..... Time related:.....

99 **As built information**

Fixed:..... Value related:..... Time related:.....

100 **Tenant installations**

Fixed:..... Value related:..... Time related:.....

12: SCHEDULE OF VARIABLES

101 **Schedule of Variables**

Fixed:..... Value related:..... Time related:.....

This schedule contains all variables referred to in this document and is divided into pre-tender and post tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post tender categories form part of these Preliminaries.

Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets

12.1 PRE TENDER INFORMATION

12.1.1 Provisional Bills of Quantities

[2.2] The quantities are provisional **NO**

12.1.2 Availability of construction documentation

[2.3] Construction documentation is complete **YES**

12.1.3 Interest of agents

[2.4] Details: None

12.1.4 Defined works area

[3.1] Details: As per attached tender drawings issued

12.1.5 Geotechnical investigation

[3.2] Details: As per the attached document

12.1.6 Existing premises occupied

[3.4] Specific requirements: N/A

Carried Forward R

Bill No. 1
Preliminaries

R. 29 km

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12.1.7 Previous work - dimensional accuracy

[3.5] Details: None

12.1.8 Previous work - defects

[3.6] Details: None

12.1.9. Services - known

[3.7] Details: None

12.1.10 Protection of trees

[3.9] Specific requirements: N/A

12.1.11 Inspection of adjoining properties

[3.11] Specific requirements: None

12.1.12 Enclosure of the works

[6.2] Specific requirements: Contractor to ensure the works is enclosed

12.1.13 Offices

[6.4.3] Specific requirements:

The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent.

12.1.14 Main notice board

[6.5] Specific requirements:

The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board.

12.1.15 Subcontractors' notice board

[6.6] Specific requirements: N/A

12.1.16 Water

[7.2] Option A (by contractor)

YES

Option B (by employer - free of charge)

NO

Option C (by employer - metered)

NO

12.1.17 Electricity

[7.3] Option A (by contractor)

YES

Option B (by employer - free of charge)

NO

Option C (by employer - metered)

NO

Carried Forward R

Bill No. 1
Preliminaries

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		Brought Forward	R
12.1.18 Telecommunications			
[7.4]	Telephone	YES	
	Facsimile	NO	
	E-mail	YES	
12.1.19 Ablution facilities			
[7.5]	Option A (by contractor)	YES	
	Option B (by employer)	NO	
12.1.20 Protection of existing/sectionally occupied works			
[11.2]	Protection is required	NO	
12.1.21 Special attendance			
[9.2]	Subcontractor (1) details: N/A		
	Subcontractor (2) details: N/A		
	Subcontractor (3) details: N/A		
	Subcontractor (4) details: N/A		
12.1.22 Protection of works			
[11.1]	Specific requirements: None		
12.1.23 Disturbance			
[11.5]	Specific requirements: Yes, OHS to confirm on the disturbance		
12.1.24 Environmental disturbance			
[11.6]	Specific requirements: None		
12.2 POST TENDER INFORMATION			
12.2.1 Payment of preliminaries			
[10.2]	Option A (prorated)		
	Option B (calculates)		
12.2.2 Adjustment of preliminaries			
[10.3]	Option A (three categories)		
	Option B (detailed breakdown)		
12.2.3 Additional agreed preliminaries items			
	Details:		
		Carried Forward	R

Bill No. 1
 Preliminaries

Brought Forward R

SECTION C: SPECIFIC PRELIMINARIES

Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

102 **C1 CONTRACT DRAWINGS**

The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed

Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

Fixed:..... Value related:..... Time related:.....

103 **C2 PREAMBLES**

The document "Specification of Materials and Methods to be used (PW371)" is obtainable on the Department's website <<http://www.publicworks.gov.za/>> under "Consultants Guidelines", and shall be read in conjunction with the bills of quantities document and be referred to for the full descriptions of work to be done and materials to be used

The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities / lump sum document**

Fixed:..... Value related:..... Time related:.....

104 **C3 TRADE NAMES**

Wherever a trade name for any product has been described in the **bills of quantities**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

Fixed:..... Value related:..... Time related:.....

Carried Forward R

Bill No. 1
Preliminaries

Brought Forward R

105 C4 IMPORTED MATERIALS AND EQUIPMENT

Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations (refer to Schedule of Imported Materials and Equipment to be completed by tenderer)

Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)

Fixed:..... Value related:..... Time related:.....

106 C5 VIEWING THE SITE IN SECURITY AREAS

The site is situated in a security area and the tenderer must arrange with the user department or other responsible person to obtain permission to enter the site for tendering purposes

Fixed:..... Value related:..... Time related:.....

107 C6 COMMENCEMENT OF WORKS IN SECURITY AREAS

As the works falls within a security area the contractor must give the user department or other responsible person notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account

Fixed:..... Value related:..... Time related:.....

108 C7 ENTRANCE PERMITS TO SECURITY AREAS

As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer

Fixed:..... Value related:..... Time related:.....

109 C8 SECURITY CHECK OF PERSONNEL

The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified

In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works

Fixed:..... Value related:..... Time related:.....

Carried Forward R

Bill No. 1
Preliminaries

Brought Forward R

110 C9 PROHIBITION ON TAKING OF PHOTOGRAPHS

In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister

The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959

Fixed:..... Value related:..... Time related:.....

C10 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department of Public Works and Infrastructure that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

111 C10.1 AWARENESS CHAMPION

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS specification

Fixed:..... Value related:..... Time related:.....

112 C10.2 AWARENESS WORKSHOPS

Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification

Fixed:..... Value related:..... Time related:.....

Carried Forward R

Bill No. 1
Preliminaries

Brought Forward R

113 **C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.**

Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

Fixed:..... Value related:..... Time related:.....

114 **C10.4 ACCESS TO CONDOMS**

Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

Fixed:..... Value related:..... Time related:.....

115 **C10.5 MONITORING**

Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification

Fixed:..... Value related:..... Time related:.....

116 **C11 : OCCUPATIONAL HEALTH AND SAFETY ACT**

Provision for pricing of the Occupational Health and Safety Act, Construction Regulation and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained.

Fixed:..... Value related:..... Time related:.....

117 **C12 COMMUNITY LIAISON OFFICER (CLO)**

The **contractor** shall employ a Community Liaison Officer (CLO) for the full duration of the contract. Allow an amount of R10 000,00 (Ten Thousand Rand Rand) per month for CLO remuneration

Fixed:..... Value related:..... Time related:.....

Carried Forward R

Bill No. 1
Preliminaries

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Brought Forward R

118 **C13 IMPLEMENTATION OF LABOUR INTENSIVE WORK**

The contractor shall employ local labourers as per part C3: Scope of Works for work identified and marked as "LI" on these bills of quantities. The contractor shall enter into an employment agreement with all workers and provide certified copies of such agreements and identity documents of the workers to the principal agent within 28 calendar days

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed:..... Value related:..... Time related:.....

119 **C14 USE OF LOCAL SMME's**

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprises (SMME's) involved in the project. This is required to be done through the use of both traditional building techniques and labour intensive construction techniques careful and considered construction planning

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

(a) SMME's involvement of at least 30% of the contract value to be sourced from within 50km radius of the project site

Fixed:..... Value related:..... Time related:.....

Carried to Summary R

Bill No. 1
Preliminaries

R. PJ km

Item
No

BILL NO. 2

EARTHWORKS (PROVISIONAL)

**(CPAP WORK GROUP NO. 104 UNLESS
OTHERWISE STATED)**

PREAMBLES

The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section

SUPPLEMENTARY PREAMBLES

Nature of ground

The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"

The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"

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

Filling

Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material

Carried Forward

R

Bill No. 2
Earthworks

R. DJ Am

Brought Forward				R
<u>Testing</u>				
Prices for filling are to include for all necessary density tests in accordance with SABS 1200D				
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
1	Trenches (LI)	m3	92	
2	Reduced levels under floors (LI)	m3	2 439	
<u>Excavation in compacted Engineered fill (G5) materials not exceeding 2m deep</u>				
3	Ground beams (LI)	m3	669	
4	Edge thickening (LI)	m3	40	
<u>Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to 98% Mod. AASHTO density</u>				
5	Not exceeding 500mm deep for placing and removing formwork to walls 300mm away from excavated face (LI)	m2	579	
6	Exceeding 500mm and not exceeding 1500mm deep for placing and removing formwork to walls 300mm away from excavated face (LI)	m2	505	
<u>Extra over trench and hole excavations in earth for excavation in</u>				
7	Soft rock (LI)	m3	253	
8	Hard rock	m3	127	
<u>Extra over all excavations for carting away</u>				
9	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m3	3 183	
Carried Forward				R
Bill No. 2 Earthworks				

Brought Forward			R
<u>Risk of collapse of excavations</u>			
10	Sides of trench and hole excavations not exceeding 1,5m deep	m2	5 486
<u>Keeping excavations free of water</u>			
11	Keeping excavations free of all water other than subterranean water	Item	
12	Manage subterranean water as necessary, across all applicable construction zones	Item	
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density.</u>			
13	Backfilling to trenches, holes, etc. (LI)	m3	57
<u>Earth filling of G5 material supplied by contractor from commercial sources in accordance with SABS 1200 DM compacted to 98% Mod AASHTO density in 150mm thick layers</u>			
14	Under floors, steps, pavings, etc. in sub-grade improvement (LI)	m3	2 155
15	Under concrete bench surface slabs, etc. (LI)	m3	12
<u>Compaction of surfaces</u>			
16	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 98% Mod AASHTO density	m2	2 924
17	Compaction of ground surface under strip footings, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	57
<u>Prescribed density tests on filling</u>			
18	"Modified AASHTO Density" test	No	371
<u>SOIL POISONING</u>			
Carried Forward			R
Bill No. 2 Earthworks			

Brought Forward				R
<u>Approved anti-termite soil insecticide applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years including forming and poisoning shallow furrows along sides of foundation walls, etc., filling in and ramming:</u>				
19	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc. and ramming (LI)	m2	2 924	
20	To sides and bottoms of trench excavations (LI)	m2	5 543	
Carried to Summary				R
Bill No. 2 Earthworks				

Item No	Unit	Quantity	Rate	Amount
<u>BILL NO. 3</u>				
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
<u>(CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)</u>				
<u>PREAMBLES</u>				
<p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Cost of tests</u>				
<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p>				
<u>Formwork</u>				
<p>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</p> <p>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</p>				
Carried Forward			R	
Bill No. 3 Concrete, Formwork and Reinforcement				

R. RJ *hwy*

Brought Forward			R
Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described			
Formwork to soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described			
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"			
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30MPa/19mm concrete</u>			
1	Strip footings (LI)	m3	15
2	Ground beams (LI)	m3	669
3	Edge thickening (LI)	m3	40
4	Surface beds on waterproofing (LI)	m3	58
5	Surface raft slabs on waterproofing (LI)	m3	512
6	Bench slabs (LI)	m3	3
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>			
<u>30MPa/19mm concrete</u>			
7	Walls (LI)	m3	62
8	Plinths (LI)	m3	2
9	Slabs (LI)	m3	143
10	Downstand beams (LI)	m3	1
Carried Forward			R
Bill No. 3 Concrete, Formwork and Reinforcement			

Brought Forward				R
11	Upstand beams (LI)	m3	10	
12	Isolated beams (LI)	m3	2	
<u>TEST CUBES</u>				
13	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	235	
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
14	Surface beds, slabs, etc. (LI)	m2	3 714	
<u>(CPAP WORK GROUP NO. 111 UNLESS OTHERWISE STATED)</u>				
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
<u>Rough formwork to sides</u>				
15	Strip footings (Provisional) (LI)	m2	38	
16	Edges, risers, ends and reveals exceeding 300mm high or wide (LI)	m2	471	
17	Edges, risers, ends and reveals not exceeding 300mm high or wide (LI)	m	108	
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>				
<u>Smooth formwork to sides</u>				
18	Upstand beams (LI)	m2	79	
19	Concrete Walls with total height exceeding 1.5m and not exceeding 3.5m above bearing level (LI)	m2	499	
20	Edges, risers, ends and reveals not exceeding 300mm high or wide (LI)	m	770	
Carried Forward				R
Bill No. 3 Concrete, Formwork and Reinforcement				

Brought Forward			R
<u>Smooth formwork to soffits</u>			
21	Slabs propped up exceeding 1.5m and not exceeding 3.5m high (LI)	m2	711
22	Slabs propped up exceeding 3.5m and not exceeding 5m high (LI)	m2	54
<u>Smooth formwork to sides and soffits</u>			
23	Beams propped up exceeding 1.5m but not exceeding 3.5m high (LI)	m2	10
24	Isolated beams propped up exceeding 1.5m not exceeding 3.5m high (LI)	m2	21
<u>Boxing in smooth formwork to form</u>			
25	25 x 25mm Chamfer along top or bottom edge (LI)	m	780
26	25 x 25mm Vertical chamfer at corner (LI)	m	120
<u>Special formwork to form</u>			
27	Opening exceeding 5m and not exceeding 6m girth through 250mm thick wall	No	8
<u>MOVEMENT JOINTS ETC</u>			
<u>10 x 150mm expanded polyethylene joint former with tear off strip and 10 x 10mm two-part grey polysulphide sealing compound</u>			
28	In isolation joints including raking out expansion joint filler as necessary (LI)	m	645
<u>Two sheets of tempered hardboard (smooth sides together) to form slip joint between abutting horizontal concrete and brickwork surfaces</u>			
29	Not exceeding 300mm wide (LI)	m	1 058
<u>Saw-cut joints</u>			
30	3 x 40mm Saw-cut joints in top of concrete	m	35
<u>(CPAP WORK GROUP NO. 114 UNLESS OTHERWISE STATED)</u>			
Carried Forward			R
Bill No. 3 Concrete, Formwork and Reinforcement			

Brought Forward				R
<u>REINFORCEMENT (PROVISIONAL)</u>				
<u>Mild and high tensile steel reinforcement to structural concrete work</u>				
31	Various diameter bars (LI)	t	158,27	
<u>Fabric reinforcement</u>				
32	Type Ref. 193 fabric reinforcement in concrete surface beds, etc. (LI)	m2	75	
33	Type Ref. 289 fabric reinforcement in between skins of one brick walls (one brick wall elsewhere measured) (LI)	m2	321	
34	Type Ref. 395 fabric reinforcement in concrete surface beds, etc. (LI)	m2	312	
Carried to Summary				R
Bill No. 3 Concrete, Formwork and Reinforcement				

Item No	Unit	Quantity	Rate	Amount
<u>BILL NO. 4</u>				
<u>MASONRY</u>				
<u>(CPAP WORK GROUP NO. 116 UNLESS OTHERWISE STATED)</u>				
<u>PREAMBLES</u>				
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>BRICKWORK</u>				
<u>Samples</u>				
Samples of masonry building units to be provided before construction commences				
<u>Sizes in descriptions</u>				
Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick				
<u>Hollow walls etc</u>				
Descriptions of hollow walls and brickwork in two skins shall be deemed to include wall ties and leaving every fifth perpend of the bottom course of the external skin open as a weep hole				
Carried Forward			R	
Bill No. 4 Masonry				

R, n-1 Rm

Brought Forward			R
<u>Bagged and sealed walls</u>			
User Note: The following preamble generally applies for works in hot and humid coastal areas.			
Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating.			
<u>Face Bricks</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour.			
All facebrick work is to be protected from other finishing trades during the construction period.			
All interior face brickwork is to receive two coats water based silicone sealant at completion including preparatory work as per manufacturer's instructions.			
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing etc.			
<u>Reinforced brick lintels</u>			
Lintels shall bear at least 160mm onto adjacent walling. Where such bearing cannot be obtained due to the proximity of adjacent openings the lintel shall be continuous			
<u>FOUNDATION (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks in class II mortar</u>			
1	One brick walls (LI)	m2	87
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFX Imperial Clay bricks in class II mortar</u>			
2	Half brick walls (LI)	m2	262
Carried Forward			R
Bill No. 4 Masonry			

Brought Forward			R
3	Half brick wall lining to concrete (LI)	m2	105
4	Half brick wall in beamfilling (LI)	m2	170
5	One brick wall (LI)	m2	5 204
6	One brick wall in open bond (honeycomb pattern) (LI)	m2	90
7	One brick wall formed of two half brick skins with and including 1 layer Ref. 289 fabric reinforcement placed and built in vertical between skins of brickwork (Fabric reinforcement elsewhere measured) (LI)	m2	321
8	One and a half brick wall (LI)	m2	188
9	Brick piers (LI)	m3	2
<u>Concrete pre stressed fabricated lintels</u>			
10	110 x 75mm Lintels in lengths not exceeding 3m (LI)	m	619
<u>BRICKWORK SUNDRIES</u>			
<u>Bagging of 1:3 cement and sand mixture</u>			
11	On brick walls, piers, etc. (LI)	m2	5 693
<u>Joint forming material in movement joints</u>			
12	12mm Bitumen impregnated fibre board built in vertically through brick walls not exceeding 300mm wide (LI)	m	225
13	12mm Bitumen impregnated fibre board built in vertically through brick walls exceeding 300mm wide (LI)	m2	105
<u>Closing cavity</u>			
14	Closing 110mm cavity of hollow wall, half brick wide vertically at reveal or ends (LI)	m	83
15	Closing 110mm cavity of hollow wall, horizontally with two courses (LI)	m	67
<u>2.5mm Galvanised brickwork reinforcement</u>			
16	75mm Wide reinforcement built in horizontally (LI)	m	4 622
Carried Forward			R
Bill No. 4 Masonry			

Brought Forward			R
17	155mm Wide reinforcement built in horizontally (LI)	m	22 602
18	230mm Wide reinforcement built in horizontally (LI)	m	737
<u>Turning pieces</u>			
19	115mm Wide turning pieces to lintels etc. (LI)	m	247
<u>Galvanised hoop iron cramps, wire ties, etc.</u>			
20	30 x 1,6mm Cramp 500mm long with one end shot pinned to concrete and other end built into brickwork (LI)	No	273
21	30 x 1,6mm Roof tie 1,5m long with one end built into brickworks and the other end fixed to timber trusses (LI)	No	950
<u>FACE BRICKWORK</u>			
<u>"Moroccan Red" travertine FBS B or other equally approved face bricks pointed with tinted recessed horizontal and vertical joints</u>			
22	Extra over brickwork for face brickwork (LI)	m2	1 197
23	Extra over brickwork for brick-on-edge header course bands one course high (LI)	m	94
<u>Brick-on-edge header course copings, sills, etc of "Moroccan Red" travertine FBS or other equally approved face bricks pointed with tinted recessed horizontal and vertical joints</u>			
24	110mm Wide sills set sloping and slightly projecting (LI)	m	45
<u>"Agate" travertine FBX or other equally approved face bricks pointed with tinted recessed horizontal and vertical joints</u>			
25	Extra over brickwork for face brickwork in foundations (LI)	m2	18
26	Extra over brickwork for face brickwork (LI)	m2	3 992
27	Extra over brickwork for face brickwork on both sides of wall (LI)	m2	490
Carried Forward			R
Bill No. 4 Masonry			

Brought Forward				R
28	Extra over brickwork in open bond (honeycomb pattern) for face brickwork on both sides of wall (LI)	m2	90	
29	Extra over brickwork for brick-on-edge header course bands one course high (LI)	m	311	
	<u>Brick-on-edge header course copings, sills, etc of "Moroccan Red" travertine FBS or other equally approved face bricks pointed with tinted recessed horizontal and vertical joints</u>			
30	110mm Wide sills set sloping and slightly projecting (LI)	m	147	
	<u>SUNDRIES</u>			
	<u>Air bricks, etc.</u>			
31	Set of two 229 x 152mm terra-cotta vermin proof air bricks (LI)	No	90	
Carried to Summary				R
Bill No. 4 Masonry				

m2 47

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	Brought Forward			R
	<u>Two coats emulsion bitumen emulsion waterproof coating as per approval</u>			
5	On bagged brick walls, piers, etc. (LI)	m2	5 693	
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One Layer SP4 or other equally approved waterproofing membrane sealed to solvent based bitumen primed surface by means of torch fusion with minimum 100mm side laps and minimum 150mm end laps</u>			
6	On slabs	m2	334	
7	On turn-up, turn-down not exceeding 300mm girth	m2	47	
8	Extra over for sealing around 110mm diameter full-bores	No	34	
9	Counter flashing	m	274	
	<u>PROTECTIVE ROOFING PAINT</u>			
	<u>Two Coats of bituminous aluminium paint</u>			
10	On waterproofing to roofs	m2	381	
	<u>WATERPROOFING TO SHOWERS</u>			
	<u>Waterproofing slurry, with and including membrane, apply as per manufacturer's strict instructions</u>			
11	On shower floors	m2	11	
12	On shower walls	m2	77	
13	On splashback	m2	7	
	<u>SEALING STRIPS, JOINT SEALANTS, ETC</u>			
	<u>Two-part grey poly sulphide or other equally approved sealing compound including backing cord, bond breaker, primer, etc.</u>			
14	10 x 15mm In expansion joints in floors including raking out expansion joint filler as necessary	m	1 058	
15	3 x 10mm In saw cut joints in floors	m	35	
	Carried Forward			R
	Bill No. 5 Waterproofing			

	Brought Forward			R	
	<u>Polyurethane or other equally approved sealing compound including backing cord, bond breaker, primer, etc.</u>				
16	12 x 12mm In vertical expansion joints including raking out expansion joint filler as necessary	m	484		
Bill No. 5 Waterproofing	Carried to Summary			R	

<p style="text-align: right;">Brought Forward</p> <p><u>PREFABRICATED ROOF TRUSSES</u></p> <p>All timber roof trusses including gang nailed trusses and bolted trusses with lapped members must comply with SABS 0243: The Design, manufacture and erection of timber trusses.</p> <p>The tenderer is to allow in his rates for an Registered Engineer nominated by the Roof truss supplier to issue the TR1 and TR2 certificate for the design and installation of related works to the Principle Agent.</p> <p>Prices for the roof trusses are to include for all temporary bracing and supports and for all necessary top and bottom chord bracing, wind bracing and runners where required all over hanging ends to be wrot faced all round</p> <p><u>PREFABRICATED ROOF TRUSSES, ETC.</u></p> <p><u>The following is applicable in respect of timber roof trusses: Trusses are to be designed, manufactured and delivered to site. Ceilings are plaster board or fibre cement sheeting on softwood branderling.</u></p> <p>1 Irregular - shaped hip roof construction to roof size length 28000 x width 7700mm / width 15800mm overall on plan (area on plan 302m2) over Loading, Circulation & Waiting Room, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A. pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A. pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderers are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.</p>			R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 7 Carpentry and Joinery</p>		No	1	R

Brought Forward					R
2	Irregular - shaped hip roof construction to roof size length 22100 x width 17100mm / width 6400mm overall on plan (area on plan 217m2) over Human Resources; Supply Chain & Finance, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderers are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
3	L - shaped hip roof construction to roof size approximately 6560 x 27720mm on plan with 1450 x 7080mm protrusion (area on plan 192m2) over Male Cells, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
4	L - shaped hip roof construction to roof size approximately 20090 x 11720mm on plan with 5530 x 9790mm protrusion (area on plan 290m2) over Crime Prevention & General Crimes, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
Carried Forward					R
Bill No. 7 Carpentry and Joinery					

Brought Forward					R
5	L - shaped hip roof construction to roof size approximately 20090 x 11720mm on plan with 5530 x 9790mm protrusion (area on plan 290m2) over Crime Prevention & General Crimes, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
6	Rectangular - shaped hip roof construction to roof size approximately 4350 x 3600mm on plan over Cell Store, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
7	Rectangular - shaped hip roof construction to roof size approximately 6540 x 12900mm on plan over Female & Juvenile Cells, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
Carried Forward					R
Bill No. 7 Carpentry and Joinery					

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Brought Forward					R
8	Rectangular - shaped hip roof construction to roof size approximately 14850 x 9900mm on plan over Lecture Room, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
9	Rectangular - shaped hip roof construction to roof size approximately 9480 x 5060mm on plan over Paraplegic WC, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
10	Rectangular - shaped hip roof construction to roof size approximately 6440 x 7960mm on plan over Management Information Centre, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
Carried Forward					R
Bill No. 7 Carpentry and Joinery					

Brought Forward				R
11	Rectangular - shaped hip roof construction to roof size approximately 7200 x 9210mm on plan over Admin Area, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1	
12	Rectangular - shaped hip roof construction to roof size approximately 8690 x 15030mm on plan over Archive; Docket & General Store, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderers are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1	
13	Rectangular - shaped hip roof construction to roof size approximately 11100 x 20000mm on plan over Safe & SAPS Store, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward					R
14	Rectangular - shaped hip roof construction to roof size approximately 13400 x 16650mm on plan over War Room; Economic Crime Members, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
15	Rectangular - shaped hip roof construction to roof size approximately 5260 x 9460mm on plan over Station; Parade & Radio Room , all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderers are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
16	Rectangular - shaped hip roof construction to roof size approximately 11050 x 11590mm on plan over Counter Area, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1		
Carried Forward					R
Bill No. 7 Carpentry and Joinery					

Brought Forward				R
17	Rectangular - shaped hip roof construction to roof size approximately 9770 x 7570mm on plan over Victim Friendly Facility, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1	
18	Rectangular - shaped hip roof construction to roof size approximately 4810 x 8000mm on plan over Public Ablutions, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1	
19	Rectangular - shaped hip roof construction to roof size approximately 11670 x 14660mm on plan over Violent Crimes, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

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Brought Forward				R
20	Rectangular - shaped hip roof construction to roof size approximately 9050 x 5330mm on plan over Paraplegic WC 01, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1	
21	Rectangular - shaped hip roof construction to roof size approximately 4402 x 8210mm on plan over Generator Room, all to accommodate roof tiles, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 345mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1003 - SP1, annexed to these bills of quantities.	No	1	
<u>EAVES, VERGES ETC</u>				
<u>Medium density pressed fibre-cement</u>				
22	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	1 217	
<u>FIRE DOORS</u>				
<u>2hr Rated fire door hung to steel frames including hinges, locks, etc.</u>				
23	Class B single door 910 x 2110mm high including and hung to steel frames with galvanised mild steel face on both sides. Tenderers are referred to Architects drawing number UKU - A - 1003 - SP9, annexured to these Bills of Quantities for the full description. Door Type D4.	No	47	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward				R
24	Class B double door 45 x 1510 x 2110mm high including and hung to steel frames with galvanised mild steel face on both sides. Tenderers are referred to Architects drawing number 132002 UKU - A - 1003 - SP9, annexured to these Bills of Quantities for the full description. Door Type D11.	No	6	
<u>DOORS. ETC</u>				
<u>Semi solid Supawood double sided two panel door</u>				
25	44mm Single door size 910 x 2110mm high hung to steel frames (Steel Frames elsewhere measured). Tenderers are referred to Architects drawing number UKU - A - 1003 - SP9, annexured to these Bills of Quantities for the full description. Door Type D01.	No	75	
26	45mm Double door size 1510 x 2110mm high hung to steel frames (Steel Frames elsewhere measured). Tenderers are referred to Architects drawing number UKU - A - 1003 - SP9, annexured to these Bills of Quantities for the full description. Door Type D06.	No	7	
<u>Soild Meranti, double sided, two fielded panel doors with heavy bolelection moulds</u>				
27	44mm Single door size 1010 x 2110mm high hung to steel frames (Steel Frames elsewhere measured) to Paraplegic Ablutions. Tenderers are referred to Architects drawing number UKU - A - 1003 - SP9, annexured to these Bills of Quantities for the full description. Door Type D02.	No	5	
28	44mm Single door size 810 x 2110mm high hung to steel frames (Steel Frames elsewhere measured). Tenderers are referred to Architects drawing number UKU - A - 1003 - SP9, annexured to these Bills of Quantities for the full description. Door Type D03.	No	25	
29	45mm Double door size 1810 x 2110mm high hung to steel frames (Steel Frames elsewhere measured). Tenderers are referred to Architects drawing number UKU - A - 1003 - SP9, annexured to these Bills of Quantities for the full description. Door Type D10.	No	5	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				


Brought Forward		R
<u>CUPBOARDS</u>		
Kitchen fittings shall be constructed of 16mm V313 melamine faced chipboard bottoms, sides, divisions and shelves, waterproof plinths and spray painted backs.		
Doors shall be hung on stainless steel concealed self-closing hinges and shall be fitted with magnetic catches and anodised aluminium bow handles.		
Drawers to be hung to epoxy coated mild steel runners and guiders.		
Prices shall include for the assembling and fixing complete in position, including all necessary cleats, cover fillets, drilling, screwing and nailing, etc and painting of exposed fillets to match.		
<u>Prefabricated factory finished kitchen cupboards</u>		
30	Floor mounted L-shaped kitchen sink cupboard to Cell Kitchen, overall size 1755 x 600 x 870mm high and 1615 x 600 x 870mm high, with four (4) doors, three (3) drawers, comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in counter top for sinks (sinks elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT1. 30mm Thick Postform with rounded edges on melamine faced chipboard frame behind sinks (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 1, annexured to these Bills of Quantities for the full description.	No 1
Carried Forward		R
Bill No. 7 Carpentry and Joinery		

Brought Forward				R
31	Floor mounted kitchen sink cupboard to Staff Rest - Kitchen, overall size 3759 x 600 x 870mm high with three (3) doors, three (3) drawers, comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in counter top for sink (sink elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT1. 30mm Thick Postform with rounded edges on melamine faced chipboard frame behind sinks (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 1, annexured to these Bills of Quantities for the full description.	No	1	
32	Floor mounted kitchen sink cupboard to Admin Kitchen, overall size 2795 x 600 x 955mm high, with two (2) doors, three (3) drawers, one (1) fridge opening, comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in counter top for sinks (sinks elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT1. 30mm Thick Postform with rounded edges on melamine faced chipboard frame behind sinks (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 1, annexured to these Bills of Quantities for the full description.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward				R
33	Floor mounted kitchen sink cupboard to Members Kitchen, overall size 1270 x 600 x 870mm high, with two (2) doors, comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in counter top for sink (sink elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT1. 30mm Thick Postform with rounded edges on melamine faced chipboard frame behind sinks (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 1, annexured to these Bills of Quantities for the full description.	No	1	
34	Floor mounted kitchen sink cupboard to Lecture Kitchen, overall size 2529 x 600 x 870mm high with three (3) doors, one (1) fridge opening, comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in counter top for sink (sink elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT3. 30mm Thick Postform with rounded edges on melamine faced chipboard frame behind sinks (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward				R
35	<p>Floor mounted kitchen sink cupboard to General Crimes Kitchen, overall size 2287 x 600 x 870mm high with two (2) doors, comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in counter top for sink (sink elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT3. 30mm Thick Postform with rounded edges on melamine faced chipboard frame behind sinks (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.</p> <p>Wall Mounted Cupboards</p>	No	1	
36	<p>Wall mounted cupboard to Admin Kitchen overall size 950 x 450 x 450mm high with two (2) doors comprising of Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, manufactured in accordance with Architects drawings, Room Data Sheet PT1. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 1, annexured to these Bills of Quantities for the full description.</p>	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward				R
37	Wall mounted cupboard to Member Kitchen overall size 950 x 450 x 450mm high with two (2) doors comprising of Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, manufactured in accordance with Architects drawings, Room Data Sheet PT1. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 1, annexured to these Bills of Quantities for the full description.	No	1	
38	Wall mounted cupboard to General Crimes Kitchen overall size 1850 x 450 x 450mm high with two (2) doors comprising of Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, manufactured in accordance with Architects drawings, Room Data Sheet PT3. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

R. D. 4 

Brought Forward				R
Floor Cupboards, etc.				
39	Floor mounted cupboard to Staff Rest Kitchen overall size 2487 x 600 x 870mm high with three (3) doors, one (1) opening for fridge comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in worktop for cabling, grommet cover manufactured in accordance with Architects drawings, Room Data Sheet PT1. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 1, annexured to these Bills of Quantities for the full description.	No	1	
40	Floor mounted cupboard to Admin Kitchen overall size 1833 x 600 x 955mm high with two (2) doors, comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in worktop for cabling, grommet cover manufactured in accordance with Architects drawings, Room Data Sheet PT1. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 1, annexured to these Bills of Quantities for the full description.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward				R
41	Floor mounted cupboard to Members Kitchen overall size 1600 x 600 x 870mm high with three (3) drawers comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in worktop for cabling, grommet cover manufactured in accordance with Architects drawings, Room Data Sheet PT1. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 1, annexured to these Bills of Quantities for the full description.	No	1	
42	Floor mounted cupboard to Lecture Kitchen overall size 1798 x 600 x 870mm high with three (3) drawers comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in worktop for cabling, grommet cover manufactured in accordance with Architects drawings, Room Data Sheet PT3. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward				R
43	<p>Floor mounted cupboard to General Crimes Kitchen overall size 3363 x 600 x 870mm high with three (3) doors, three (3) drawers, one (1) fridge opening, comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, 16mm Bisonlam moisture resistant board base with cross bracing directly under frame and securely fixed to floor and wall at 600mm centres max with screws and plastic plugs with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, 85mm thick Rustenberg swart granite counter top including opening in worktop for cabling, grommet cover manufactured in accordance with Architects drawings, Room Data Sheet PT3. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.</p> <p><u>Cupboards</u></p>	No	1	
44	<p>Free standing cupboard to General Crimes Ablutions overall size 1165 x 600 x 2100mm high with two (2) doors, shelving comprising of 16mm thick water resistant Melawood timber boards - Iceberg White, with Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate manufactured in accordance with Architects drawings, Room Data Sheet PT3. (D 12 x H 35mm) 12mm solid steel bar handles in black nickel finish, all hinges, screws & brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.</p>	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward		R	
<u>Shelves</u>			
45	85mm Thick floating shelves to General Crimes Ablutions overall size 290 x 1125mm x 4 No. of shelving comprising of Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate manufactured in accordance with Architects drawings, Room Data Sheet PT3. All screws & brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.	No	1
<u>Wash Hand Basin Counter tops</u>			
46	30mm Thick Rustenberg granite top to Ablutions comprising of, 910 x 600mm x 2 No. sides, 1460 x 125mm front edge and 1520 x 600mm counter top with openings in counter top for 2 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT2. Front edge on 50 x 50mm galvanised steel brackets bolted to wall (unit). 40 x 40 x 4mm Galvanised steel angle iron welded together to support frame. Fix steel frame to wall with 8mm x 70mm masonry anchors as indicated. Tenderers are referred to Architects drawing number UKU - A - 7001 - 2 annexured to these Bills of Quantities for the full description.	No	2
47	30mm Thick Rustenberg granite top to Ablutions (Support Services) comprising of, 900 x 600mm x 2 No. sides, 1460 x 125mm front edge and 1520 x 600mm counter top with openings in counter top for 2 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT2. Front edge on 50 x 50mm galvanised steel brackets bolted to wall (unit). 40 x 40 x 4mm Galvanised steel angle iron welded together to support frame. Fix steel frame to wall with 8mm x 70mm masonry anchors as indicated. Tenderers are referred to Architects drawing number UKU - A - 7001 - 2 annexured to these Bills of Quantities for the full description.	No	2
Carried Forward		R	
Bill No. 7 Carpentry and Joinery			

Brought Forward				R
48	30mm Thick Rustenberg granite top to Members Ablutions comprising of, 870 x 600mm x 2 No. sides, 1640 x 125mm front edge and 1700 x 600mm counter top with openings in counter top for 2 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT3. Front edge on 50 x 50mm galvanised steel brackets bolted to wall (unit). 40 x 40 x 4mm Galvanised steel angle iron welded together to support frame. Fix steel frame to wall with 8mm x 70mm masonry anchors as indicated. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.	No	1	
49	30mm Thick Rustenberg granite top to Public Ablutions comprising of, 870 x 600mm x 2 No. sides, 1937 x 125mm front edge and 1997 x 600mm counter top with openings in counter top for 3 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet PT3. Front edge on 50 x 50mm galvanised steel brackets bolted to wall (unit). 40 x 40 x 4mm Galvanised steel angle iron welded together to support frame. Fix steel frame to wall with 8mm x 70mm masonry anchors as indicated. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.	No	2	
<u>Benches</u>				
50	85mm Thick wood plastic composite bench to Staff Ablution, overall size 500 x 1000mm, fixed to wall, to include all brackets & screws. Tenderers are referred to Architects drawing number UKU - A - 7001 - 3, annexured to these Bills of Quantities for the full description.	No	1	
<u>THE FOLLOWING IN SHELVING TO STORES</u>				
<u>Meranti or Superwood fixed to metal brackets (Metal brackets elsewhere measured)</u>				
51	22mm thick x 350mm long, Meranti or Superwood top finished and varnished with two polyurethane varnish fixed to bracket with six, 30mm self-tapping countersunk wood screws	m	104	
Carried to Summary				R
Bill No. 7 Carpentry and Joinery				

Item
No

Unit Quantity Rate Amount

BILL NO. 8

**CEILINGS, PARTITIONS AND ACCESS
FLOORING**

**(CPAP WORK GROUP NO. 129 UNLESS
OTHERWISE STATED)**

PREAMBLES

The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section

SUPPLEMENTARY PREAMBLES

Openings in ceilings for light fittings, etc. are to include for additional suspension as required

Ceilings

Unless otherwise described ceilings shall be deemed to be horizontal

Fixings

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork or concrete.

Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere

SUSPENDED CEILINGS

Carried Forward

R

Bill No. 8
Ceilings, Partitions and Access Flooring

R. n 7 haw