

**PROVISIONAL BILLS OF QUANTITIES**  
**FOR**  
**INFRASTRUCTURE IMPROVEMENTS TO**  
**HEALTHCARE FACILITIES IN BCM-**  
**ASBESTOS MATERIAL REMOVAL AT**  
**NKQUBELA SANTA PROVINCIAL HOSPITAL**  
**FOR**  
**EASTERN CAPE DEPARTMENT OF HEALTH**

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## **INDEX TO BILLS OF QUANTITIES**

<u>Bill No</u>	<u>Page No</u>
<b>SECTION NO. 1: PRELIMINARIES</b> . . . . .	1
Meaning Of Terms “Tender / Tenderer” . . . . .	2
Building Agreement And Preliminaries . . . . .	2
Tenderer’s Selections . . . . .	2
Structure Of This Preliminaries Bill . . . . .	2
Pricing Of Preliminaries . . . . .	2
Value Added Tax . . . . .	3
Section A: Principal Building Agreement . . . . .	3
Section B: General Preliminaries . . . . .	14
Section C: Specific Preliminaries . . . . .	16
C1 Contract Drawings . . . . .	17
C2 General Preambles . . . . .	17
C3 Trade Names . . . . .	17
C4 Imported Materials And Equipment . . . . .	17
C5 Viewing The Site In Security Areas . . . . .	17
C6 Commencement Of Work In Security Areas . . . . .	18
C7 Entrance Permits To Security Areas . . . . .	18
C8 Security Check Of Personnel . . . . .	18
C9 Prohibition Of Taking Photographs . . . . .	18
C10 Hiv/aids Awareness . . . . .	18
C10.1 Awareness Champion . . . . .	19
C10.2 Awareness Workshops . . . . .	19
C10.3 Posters, Booklets, Videos, Etc. . . . .	19
C10.4 Access To Condoms . . . . .	19

C10.5 Monitoring .....	19
C11 Occupational Health And Safety Act .....	19
C12 Smme's .....	20
C13 Employment Of Local Labour .....	20
<b>SECTION SUMMARY</b> .....	21
<b>SECTION NO. 2: BUILDING WORKS</b> .....	22
<b>1 ALTERATIONS</b> .....	23
Supplementary Preambles .....	23
Alterations (Cpap) .....	24
Removal Of Existing Work .....	25
Trade Preambles .....	26
<b>2 MASONRY</b> .....	28
Trade Preambles .....	28
Supplementary Preambles .....	28
Brickwork In Superstructure .....	28
<b>3 WATERPROOFING</b> .....	29
Trade Preamble .....	29
Supplementary Preambles .....	29
Waterproofing To Roofs Etc .....	29
<b>4 ROOF COVERINGS</b> .....	30
Trade Preambles .....	30
Supplementary Preambles .....	30
Concealed Fix Standing Seam Profiled Roof Sheeting With Transverse Stiffner Ribs Metal Sheeting And Accessories. ....	31
Roof And Wall Insulation .....	35
<b>5 CARPENTRY AND JOINERY</b> .....	37
Trade Preambles .....	37

Supplementary Preambles	37
Eaves, Verges, Etc	38
Solid Core Doors	38
Framed Frames, Etc	39
<b>6 CEILINGS, PARTITIONS AND ACCESS FLOORING</b>	<b>41</b>
Trade Preambles	41
Supplementary Preambles	41
Nailed-up Ceilings	42
<b>7 FLOOR COVERINGS</b>	<b>44</b>
Trade Preambles	44
Supplementary Preambles	44
Floor Coverings	44
Skirtings, Nosings, Etc	45
Finish On Floor Tiles And Sheeting	45
<b>8 IRONMONGERY</b>	<b>47</b>
Trade Preambles	47
Supplementary Preambles	47
Hinges, Bolts, Etc	47
Locks	47
Handles	48
<b>9 METALWORK</b>	<b>50</b>
Trade Preambles	50
Supplementary Preambles	50
Aluminium Windows, Doors, Etc (Cpap Work Group No. 140)	50
<b>10 PLASTERING</b>	<b>53</b>
Trade Preambles	53

Supplementary Preambles	53
Screeds	53
<b>11 PLUMBING AND DRAINAGE</b>	<b>54</b>
Trade Preambles	54
Supplementary Preambles	54
Rainwater Disposal	54
<b>12 PAINTWORK</b>	<b>57</b>
Trade Preambles	57
Supplementary Preambles	57
On Fibre-cement, Etc	58
On New Internal Gypsum Plaster Surfaces	58
On Wood, Wood Board, Etc	58
Preparatory Work To Previously Painted Surfaces	59
On Floated Plaster Surfaces	59
<b>SECTION SUMMARY</b>	<b>61</b>
<b>SECTION NO. 3: EXTERNAL WORKS</b>	<b>62</b>
<b>1 COVERED WALKWAYS AND PARKING</b>	<b>63</b>
Trade Preambles	63
Supplementary Preambles	63
Removal Of Existing Work	63
Concealed Fix Standing Seam Profiled Roof Sheeting With Transverse Stiffner Ribs Metal Sheeting And Accessories	63
Side Cladding	64
Carpentry And Joinery	64
Eaves, Verges, Etc	64
Structural Steelwork	64

Galvanised Steel Columns And Beams . . . . .	64
Galvanised Steel Purlins, Grits, Bracing, Etc . . . . .	65
Bolts, Fasteners, Etc . . . . .	65
Rainwater Disposal . . . . .	65
Paintwork . . . . .	65
On Fibre-cement, Etc . . . . .	65
The Following In Existing Carport . . . . .	66
<b>SECTION SUMMARY. . . . .</b>	<b>68</b>
<b>SECTION NO. 5: PROVISIONAL SUMS. . . . .</b>	<b>69</b>
<b>1 PROVISIONAL AMOUNTS. . . . .</b>	<b>70</b>
Provisional Sums . . . . .	70
Ceiling Panels . . . . .	70
Electrical Fittings . . . . .	70
Community Liason Officer . . . . .	70
Smme Social Mentor . . . . .	71
Experiential Work Opportunities . . . . .	71
<b>2 CONTINGENCIES, ESCALATION, ETC. . . . .</b>	<b>73</b>
Contingencies, Cpap, Etc . . . . .	73
<b>SECTION SUMMARY. . . . .</b>	<b>74</b>

**SECTION NO. 1**  
**PRELIMINARIES**

Item	Amount
<b><u>SECTION NO. 1</u></b>	
<b><u>PRELIMINARIES</u></b>	
<b><u>MEANING OF TERMS “TENDER / TENDERER”</u></b>	
Any reference to the words “Tender” or “Tenderer” herein and/or in any other documentation shall be construed to have the same meaning as the words “Bid” or “Bidder”	
<b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b>	
The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described to be read in conjunction with the Contract Data issued with the tender.	
The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities / lump sum document, amended as hereinafter described.	
The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only	
The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause.	
Where any item is not relevant to this agreement such item is marked N/A signifying 'not applicable'	
Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents.	
<b><u>TENDERER’S SELECTIONS</u></b>	
Before submission of his tender the contractor is to complete the tenderer's selections in the contract data for organs of state and other public sector bodies	
<b><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></b>	
Section A: A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement	
Section B: A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries	
Section C : Any special clauses to meet the particular circumstances of the project	
<b><u>PRICING OF PRELIMINARIES</u></b>	
Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)}	
TOTAL CARRIED TO SECTION SUMMARY	R
Section No. 1 Bill No. 1 Preliminaries	



Item	Amount
<p>The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement.</p> <p>Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained.</p> <p>Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary.</p> <p><b><u>VALUE ADDED TAX</u></b></p> <p>Provision is made in the summary page of these bills of quantities / lump sum document for the inclusion of Value Added Tax (VAT).</p> <p><b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b></p> <p><b><u>Interpretation (A1-A7)</u></b></p>	Item
1 Clause 1.0 - Definitions and interpretation	
<p>The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be .</p> <p><b>AGREEMENT:</b> The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representative or representatives of the parties.</p> <p><b>CONSTRUCTION PERIOD:</b> The period commencing on the date of possession of the site by the contractor and ending on the date of practical completion.</p> <p><b>CONTRACT PERIOD:</b> The period commencing on the date of the letter of acceptance and ending on the date of final completion.</p> <p><b>COST FLUCTUATION</b> shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule.</p> <p><b>DEFAULT INTEREST:</b> No Clause.</p> <p><b>GUARANTEE FOR CONSTRUCTION:</b> A security in terms of the ECDOH's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD].</p>	
<b>TOTAL CARRIED TO SECTION SUMMARY</b>	<b>R</b>
Section No. 1 Bill No. 1 Preliminaries	

Item		Amount
	<p>INTEREST: The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State.</p> <p>LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer.</p> <p>PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3.</p> <p>PRINCIPAL AGENT: The person or entity appointed by the employer and named in the contract data for organs of state and other public sector bodies. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by the employer's representative as named in the contract data for organs of state and other public sector bodies.</p>	
2	Clause 2.0 - Laws, regulations and notices	Item
3	Clause 3.0 - Offer and acceptance  Replace Clause 3.3 with the following:  This agreement shall come into force on the date of letter of acceptance and continue to be of force and effect until the end of the latent defects liability period [22.0] notwithstanding termination [29.0] or the certification of final completion [21.0] and final payment [25.0].	Item
4	Clause 4.0 - Cession and assignment  Ref Clause 6.7 [CD] - Clause 4.2  Replace Clause 4.3 with the following:  Where a contractor cedes any right or any monies due to or to become due under this agreement as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained	Item
5	Clause 5.0 - Documents	Item
6	Replace Clause 5.4 with the following:  The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference	Item
7	Replace Clause 5.5 with the following:  The parties may publish or disclose on any platform only the contract scope and contract amount	Item
	<b>TOTAL CARRIED TO SECTION SUMMARY</b>	<b>R</b>
	Section No. 1	
	Bill No. 1	
	Preliminaries	

Item		Item	Amount
8	<p>Clause 6.0 - Employer's agents</p> <p>Replace Clause 6.5 with the following:</p> <p>Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent.</p> <p>Add the following as Clause 6.7:</p> <p>In terms of the clauses listed hereunder, the employer has retained its authority and has not given a mandate to the principal agent, notwithstanding other provisions in the contract. The employer shall sign all documents in relation to clauses 4.2, 14.1.4, 14.4.1, 14.6, 15.1.4, , 15.4.1, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12</p>	Item	
9	<p>Clause 7.0 - Design responsibility</p> <p>Replace first sentence of Clause 7.2 with the following:</p> <p>Any design responsibility undertaken by a subcontractor shall not devolve on the contractor except for items that require specific component design and or compatibility design and or shop drawings and or the assembly thereof.</p> <p><b><u>Insurances and securities (A8-A11)</u></b></p>	Item	
10	<p>Clause 8.0 - Works risk</p> <p>Replace Clause 8.4 with the following:</p> <p>The contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary.</p>	Item	
11	<p>Clause 9.0 - Indemnities</p> <p>Add the following to the end of the first sentence of Clause 9.2.7:</p> <p>"... due to no fault of the contractor</p> <p>9.2.9 No Clause</p> <p>9.2.10 No Clause</p> <p>Add the following as clause 9.3:</p> <p>The employer's rights to claim damages for the contractor's omissions and actions will not be affected.</p>	Item	
12	<p>Clause 10.0 - Insurances</p> <p>Replace Clause 10.1 with the following:</p> <p>The party responsible shall effect and keep the respective insurances [CD] in force, in favour of the employer as beneficiary , from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractors obligations after the date of practical completion [8.2.2]</p> <p>Add the following as Clause 10.1.5.1:</p> <p>Hi Risk Insurance</p>	Item	
TOTAL CARRIED TO SECTION SUMMARY		R	
Section No. 1			
Bill No. 1			
Preliminaries			

Item	Amount
<p>In the event of the project being executed in a geological area classified as a “High Risk Area”, that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply</p>	
<p>Add the following as Clause 10.1.5.1.1 Damage to the works</p>	
<p>The contractor shall, from the date of possession of the site until the date of the certificate of practical completion, bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary</p>	
<p>When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor’s own costs</p>	
<p>10.1.5.1.2 Injury to persons or loss of or damage to property</p>	
<p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above</p>	
<p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property, or personal property, or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p>	
<p>10.1.5.1.3 Replace Clause with the following:</p>	
<p>It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the contractor’s obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the date of letter of acceptance, but before commencement of the works, submit to the employer proof of such insurance policy.</p>	
<p>10.1.5.1.4 Replace Clause with the following:</p>	
<p>The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor’s default of his obligations as set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p>	
<p>10.2 Replace Clause with the following:</p>	
<p>TOTAL CARRIED TO SECTION SUMMARY</p>	<p>R</p>
<p>Section No. 1 Bill No. 1 Preliminaries</p>	

Item		Amount
	<p>Where practical completion in sections is required [20.0], or where the works is for alterations and additions, the contractor shall effect and keep in force contract works insurance [10.1.1], supplementary insurance [10.1.2], public liability insurance [10.1.3] and where applicable, removal of lateral support insurance [10.1.4] and other insurances [10.1.5] in favour of the employer as beneficiary</p> <p>10.6 No Clause</p> <p>Add the following as Clause 10.11</p> <p>In the event that an insurer dispute the amount of the claim to be paid to the employer, the contractor shall be liable to the employer for the difference between the claim (as determined by the employers QS appointed on the project) made by the employer and the amount that the insurer is willing to pay</p>	
13	<p>Clause 11.0 - Securities</p> <p>Add the following as to the relevant related Clauses as follows:</p> <p>Add the following to Clause 11.1:</p> <p>Replace Clauses 11.1, 11.1.1, 11.1.2, 11.2.1 and 11.2.2 with the following:</p> <p>The security to be provided by the contractor to the employer will be a payment reduction of ten per cent (10) of the value certified in the payment certificate (excluding VAT).</p> <p>11.3 No Clause</p> <p>11.4 No Clause</p> <p>11.5 No Clause</p> <p>11.6 No Clause</p> <p>11.6 No Clause</p> <p>11.7 No Clause</p> <p>11.8 No Clause</p> <p>11.9 No Clause</p> <p>11.10 No Clause</p> <p><b><u>Execution (A12 - A17) }</u></b></p>	Item
14	<p>Clause 12.0 - Obligations of the parties</p> <p>12.1.1 No Clause</p> <p>Replace Clause 12.1.5 with the following:</p> <p>Give possession of the site to the contractor within ten (10) working days after approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22</p> <p>12.1.6 No Clause</p> <p>12.1.8 No Clause</p> <p>Replace Clause 12.2.2 with the following:</p>	Item
	TOTAL CARRIED TO SECTION SUMMARY	R
	Section No. 1	
	Bill No. 1	
	Preliminaries	

Item		Amount
	<p>The priced Bills must be submitted to as part of the returnable documents. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor shall adjust such prices without any change to the contract sum</p> <p>Replace Clause 12.2.5 with the following :</p> <p>Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0] [CD]</p> <p>Replace Clause 12.2.13 with the following:</p> <p>Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor</p> <p>Add the following as Clause 12.2.22:</p> <p>Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)</p> <p>Add the following as Clause 12.2.23:</p> <p>The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0]</p> <p>Offices</p> <p>The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times [12.2.18]</p> <p>Main notice board</p> <p>The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering [12.2.18]</p>	
15	Clause 13.0 - Setting out	Item
16	Clause 14.0 - Nominated subcontractors	Item
	<p>Clause 14.0</p> <p>Ref Clause 6.7 [CD] - Clause 14.1.4</p> <p>14.1.5 No Clause</p> <p>Replace “principal agent ” with “employer” [6.7 [CD]] in Clause 14.4.1</p> <p>Ref Clause 6.7 [CD] - Clause 14.6</p>	N/A
	<b>TOTAL CARRIED TO SECTION SUMMARY</b>	<b>R</b>
	Section No. 1	
	Bill No. 1	
	Preliminaries	

Item		Item	Amount
17	<p>Clause 15.0 - Selected subcontractors</p> <p>Clause 15.0</p> <p>Ref Clause 6.7 [CD] - Clause 15.1.4 &amp; Clause 15.5</p> <p>15.1.5 No Clause</p> <p>Replace Clause 15.1.2 with the following:</p> <p>The principal agent shall call for tenders from a list of tenderers agreed between the contractor and the employer</p> <p>Replace “principal agent ” with “employer” [6.7 [CD]] in Clause 15.4.1</p>	Item	N/A
18	Clause 16.0 - Direct contractors	Item	N/A
19	Clause 17.0 - Contract instructions	Item	
	<b><u>Completion (A18 - A24)</u></b>		
20	Clause 18.0 - Interim completion	Item	
21	<p>Clause 19.0 - Practical completion</p> <p>Replace Clause 19.5 with the following:</p> <p>On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section</p>	Item	
22	Clause 20.0 - Completion in sections	Item	
23	<p>Clause 21.0 - Defects liability period and final completion</p> <p>Replace Clause 21.1 with the following:</p> <p>The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6), whichever is the later (if we use works completion)</p> <p>Replace Clause 21.6 with the following:</p> <p>On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent</p> <p>And/or</p> <p>On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall:</p> <p>(1) inspect the works And within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or</p> <p>(2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired</p>	Item	
	<b>TOTAL CARRIED TO SECTION SUMMARY</b>	<b>R</b>	
	Section No. 1		
	Bill No. 1		
	Preliminaries		





Item	Amount
<p>Replace Clause 25.6 with the following:</p> <p>Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.</p> <p>25.7.5 No clause.</p> <p>Replace Clause 25.10 with the following:</p> <p>The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate</p> <p>Replace Clauses 25.12 to 25.12.3 with the following:</p> <p>The value certified shall be subject to the following percentage adjustments:</p> <p>(25.12.1 Where a security is selected in terms of C 1.0 Securities [11.0], the value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>25.12.2 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>25.12.3 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>25.12.4 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26</p> <p>25.12.5 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate.</p> <p>Replace Clauses 25.12 to 25.12.3 with the following:</p> <p>Clause 25.12</p> <p>The value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>25.12.1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>25.12.2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>25.12.3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26</p>	
TOTAL CARRIED TO SECTION SUMMARY	R
<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>	

Item		Amount
	<p>25.12.4 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate.</p> <p>25.14.2 Not applicable.</p>	
28	<p>Clause 26.0 - Adjustment of the contract value and final account</p> <p>Clause 26.0</p> <p>Ref Clause 6.7 [CD] – Clause 26.1</p> <p>Omit Clause 26.4.3</p> <p>Ref Clause 6.7 [CD] – Clause 26.7</p> <p><b>Replace Clause 26.10 with the following:</b></p> <p>The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion</p> <p>Ref Clause 6.7 [CD] – Clause 26.12</p>	Item
29	<p>Clause 27.0 - Recovery of expense and/or loss</p> <p>Replace Clause 27.1.2 with the following:</p> <p>Interest due to late payment only</p> <p>Replace Clause 27.1.4 with the following:</p> <p>Interest due to late payment only</p> <p>27.1.5 No Clause</p> <p>Replace Clause 27.5 with the following:</p> <p>Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security</p> <p>Add the following as Clause 27.6:</p> <p>Where a provisional sequestration or provisional liquidation order has been granted or where an order has been granted which commences sequestration, liquidation, bankruptcy, receivership, winding-up or any similar effect, against the contractor or this agreement is cancelled in terms of 29, the employer may issue a demand to the guarantor in terms of the construction guarantee or advance payment guarantee held as security</p> <p><b><u>Suspension and termination (A28 - A29)</u></b></p>	Item
30	Clause 28.0 - Suspension by the contractor	Item
31	<p>Clause 29.0 - Termination</p> <p>Add the following as Clause 29.1.4:</p>	Item
	<b>TOTAL CARRIED TO SECTION SUMMARY</b>	<b>R</b>
	Section No. 1	
	Bill No. 1	
	Preliminaries	

Item	Amount
<p>The contractor's estate has been sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>Add the following as Clause 29.1.5:</p> <p>The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>Add the following as Clause 29.1.6:</p> <p>Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4.1 and 12.2. sub Clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.</p> <p>Replace Clause 29.7 with the following:</p> <p>The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of the remaining work [25.3.7; 27.1.3]</p> <p>Replace Clause 29.9 with the following:</p> <p>The employer has the right of recovery against the contractor, where applicable, [CD] from:</p> <p>The payment reduction until the final payment is made.</p>	
29.14.1 No Clause	
29.14.3 No Clause	
29.14.4 No Clause	
29.14.5 No Clause	
29.14.6 No Clause	
29.14.7 No Clause	
29.15 No Clause	
29.16 No Clause	
29.17.3 No Clause	
29.17.6 No Clause	
29.21.5 No Clause	
29.22 No Clause	
29.23 No Clause	
29.25.3 No Clause	
29.25.4 No Clause	
29.27 No Clause	
<b><u>Dispute resolution (A30)</u></b>	
32 Clause 30.0 - Dispute resolution	
TOTAL CARRIED TO SECTION SUMMARY	
Section No. 1 Bill No. 1 Preliminaries	

Item		Amount
	<p>Replace Clause 30.2 with the following:</p> <p>Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation</p> <p>30.3 to 30.7.7 No Clauses</p> <p>Replace Clause 30.8 with the following:</p> <p>The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:</p> <p>30.8.1 No Clause</p> <p>Replace Clause 30.8.2 with the following:</p> <p>The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties</p> <p>Replace Clause 30.8.3 with the following:</p> <p>Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses</p> <p>Replace Clause 30.9 with the following:</p> <p>Institution of Litigation shall be commenced and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse</p> <p>30.10 No Clause</p> <p>30.12 No Clause</p> <p><b><u>SECTION B: GENERAL PRELIMINARIES</u></b></p> <p><b><u>Definitions and interpretation (B1)</u></b></p> <p>33 Clause 1.1 - Definitions</p> <p>34 Clause 1.2 - Interpretation</p> <p><b><u>Documents (B2)</u></b></p> <p>35 Clause 2.1 - Checking of documents</p> <p>36 Clause 2.2 - Provisional bills of quantities</p> <p>37 Clause 2.3 - Availability of construction information</p> <p>38 Clause 2.4 - Ordering of materials and goods</p> <p><b><u>Previous work and adjoining properties (B3)</u></b></p> <p>39 Clause 3.1 - Previous work - dimensional accuracy</p> <p>40 Clause 3.2 - Previous work - defects</p> <p>41 Clause 3.3 - Inspection of adjoining properties</p>	
	TOTAL CARRIED TO SECTION SUMMARY	R
	Section No. 1	
	Bill No. 1	
	Preliminaries	

Item			Amount
	<b><u>The site (B4)</u></b>		
42	Clause 4.1 - Handover of site in stages	Item	
43	Clause 4.2 - Enclosure of the works	Item	
44	Clause 4.3 - Geotechnical and other investigations	Item	
45	Clause 4.4 - Encroachments	Item	
46	Clause 4.5 - Existing premises occupied	Item	
47	Clause 4.6 - Services - known	Item	
	<b><u>Management of contract (B5)</u></b>		
48	Clause 5.1 - Management of the works	Item	
49	Clause 5.2 - Progress meetings	Item	
50	Clause 5.3 - Technical meetings	Item	
	<b><u>Samples, shop drawings and manufacturer's instructions (B6)</u></b>		
51	Clause 6.1 - Samples of materials	Item	
52	Clause 6.2 - Workmanship samples	Item	
53	Clause 6.3 - Shop drawings	Item	
54	Clause 6.4 - Compliance with manufacturer's instructions	Item	
	<b><u>Deposits and fees (B7)</u></b>		
55	Clause 7.1 - Deposits and fees	Item	
	<b><u>Temporary services (B8)</u></b>		
56	Clause 8.1 - Water	Item	
57	Clause 8.2 - Electricity	Item	
58	Clause 8.3 - Ablution and welfare facilities	Item	
59	Clause 8.4 - Communication facilities	Item	
	<b><u>Prime cost amounts (B9)</u></b>		
60	Clause 9.1 - Responsibility for prime cost amounts	Item	
	<b><u>Attendance on subcontractors (B10)</u></b>		
61	Clause 10.1 - General attendance	Item	
	General attendance The contractor shall at his own expense provide the following general attendance on the subcontractors:		
	TOTAL CARRIED TO SECTION SUMMARY	R	
	Section No. 1		
	Bill No. 1		
	Preliminaries		



Item		Amount
	<b><u>C1 CONTRACT DRAWINGS</u></b>	
74	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.	Item
75	A full set of drawings is issued with the tender documents indicating the full 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.	Item
	Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent	
	<b><u>C2 GENERAL PREAMBLES</u></b>	
76	The document "Construction Works: Specifications: General Specification (PW371-A Edition 2.1" is obtainable on the Department's website ( <a href="http://www.publicworks.gov.za/">http://www.publicworks.gov.za/</a> under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities / lump sum 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 2.2" is issued together with the drawings and shall be read in conjunction with the drawings and the bills of quantities / lump sum document	Item
	<b><u>C3 TRADE NAMES</u></b>	
77	Wherever a trade name for any product has been described in the bills of quantities / lump sum document, 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.	Item
	<b><u>C4 IMPORTED MATERIALS AND EQUIPMENT</u></b>	
78	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 (T2.2q) 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).	Item
	<b><u>C5 VIEWING THE SITE IN SECURITY AREAS</u></b>	
79	The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes	Item N/A
	<b>TOTAL CARRIED TO SECTION SUMMARY</b>	<b>R</b>
	Section No. 1	
	Bill No. 1	
	Preliminaries	

Item		Amount
	<b><u>C6 COMMENCEMENT OF WORK IN SECURITY AREAS</u></b>	
80	As the works falls within a security area the contractor must give the unit commander or other responsible officer 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	Item N/A
	<b><u>C7 ENTRANCE PERMITS TO SECURITY AREAS</u></b>	
81	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	Item N/A
	<b><u>C8 SECURITY CHECK OF PERSONNEL</u></b>	
82	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 any document or information relating to the works .	Item N/A
	<b><u>C9 PROHIBITION OF TAKING PHOTOGRAPHS</u></b>	
83	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 authorised 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.	Item N/A
	<b><u>C10 HIV/AIDS AWARENESS</u></b>	
	It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities / lump sum document . 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.	
84	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 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.	Item N/A
	<b>TOTAL CARRIED TO SECTION SUMMARY</b>	<b>R</b>
Section No. 1		
Bill No. 1		
Preliminaries		





Item		Amount
	<p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A25.0 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</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained</p>	
	<b><u>C12 SMME'S</u></b>	
91	<p>The principal contractor shall comply with all the requirement of mandatory subcontracting of SMMEs <b>where feasible</b> of up to <b>30%</b> of their contract value (Including VAT) as stipulated under the SMME subcontracting requirements. The Principal Contractor shall on fulltime basis closely mentor, manage and supervise all SMMEs and shall manage, guide and assist each SMMEs in all aspects of management, execution and completion of his/her subcontract. This shall typically include the on-site productivity planning and management of materials, cost management, contract management, Health and Safety management, quality management, communication management and close-out documentation.</p> <p>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.</p>	Item
	<b><u>C13 EMPLOYMENT OF LOCAL LABOUR</u></b>	
	<p>The contractor is to employ local labour. All requirements of the aforementioned are to be priced hereunder and no additional claims in this regard will be entertained.</p>	Item
92	<p>The Contractor is to ensure 80% of the General Labour is from Hosting/Local Community whilst Local Semi/Skilled Labour are first considered should contractor wish to expand their existing skilled labour, provided that suitable skilled labour is available locally. All requirements of the aforementioned are to be priced hereunder and no additional claims in this regard will be entertained.</p>	Item
	TOTAL CARRIED TO SECTION SUMMARY	
		R
Section No. 1		
Bill No. 1		
Preliminaries		

**SECTION NO. 1****PRELIMINARIES****SECTION SUMMARY**

Page

Brought forward from page	2
Brought forward from page	3
Brought forward from page	4
Brought forward from page	5
Brought forward from page	6
Brought forward from page	7
Brought forward from page	8
Brought forward from page	9
Brought forward from page	10
Brought forward from page	11
Brought forward from page	12
Brought forward from page	13
Brought forward from page	14
Brought forward from page	15
Brought forward from page	16
Brought forward from page	17
Brought forward from page	18
Brought forward from page	19
Brought forward from page	20

TOTAL CARRIED TO FINAL SUMMARY

**R**

Section No. 1  
SECTION SUMMARY

**SECTION NO. 2**  
**BUILDING WORKS**

Item	Unit	Quantity	Rate	Amount																								
<b><u>SECTION NO. 2</u></b>																												
<b><u>BUILDING WORKS</u></b>																												
<b><u>Bill No. 1</u></b>																												
<b><u>ALTERATIONS</u></b>																												
<table><tr><td><b><u>Key:</u></b></td><td><b><u>Location Description:</u></b></td></tr><tr><td>M&amp;F</td><td>Male &amp; Female Blocks</td></tr><tr><td>DH</td><td>Dinning Hall</td></tr><tr><td>FIN</td><td>Finance Building</td></tr><tr><td>SF</td><td>Staff Facilities</td></tr><tr><td>P</td><td>Pharmacy</td></tr><tr><td>I</td><td>Item</td></tr><tr><td>RR</td><td>Record Room</td></tr><tr><td>DH2</td><td>Dinning Hall 2</td></tr><tr><td>ADMI</td><td>Admin</td></tr><tr><td>KITC</td><td>Kitchen</td></tr><tr><td>PASS</td><td>Passage</td></tr></table>					<b><u>Key:</u></b>	<b><u>Location Description:</u></b>	M&F	Male & Female Blocks	DH	Dinning Hall	FIN	Finance Building	SF	Staff Facilities	P	Pharmacy	I	Item	RR	Record Room	DH2	Dinning Hall 2	ADMI	Admin	KITC	Kitchen	PASS	Passage
<b><u>Key:</u></b>	<b><u>Location Description:</u></b>																											
M&F	Male & Female Blocks																											
DH	Dinning Hall																											
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ADMI	Admin																											
KITC	Kitchen																											
PASS	Passage																											
<b><u>TRADE PREAMBLES</u></b>																												
<b><u>Trade Preambles:</u></b>																												
For Trade Preambles refer to 'Model Preambles for Trades' (PWD 371A) for the full descriptions of material to be used and work to be done in this Bill.																												
<b><u>SUPPLEMENTARY PREAMBLES</u></b>																												
<b><u>Proprietary items or materials:</u></b>																												
Proprietary items or materials where specified are to be of the brand specified - or other equal approved - by the Principal Agent.																												
<b><u>Cart Away:</u></b>																												
Prices are to include for carting away from site all materials not specifically mentioned as being stored on site for re-use or handed over to the Employer and all rubbish, debris, etc., arising from the alterations, etc., and for making good all work damaged or disturbed to the approval of the Principal Agent.																												
<b><u>View site:</u></b>																												
Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.																												
<b><u>Explosives:</u></b>																												
No explosives whatsoever may be used for demolition purposes unless otherwise stated.																												
TOTAL CARRIED TO BILL SUMMARY				R																								
Section No. 2																												
Bill No. 1																												
Alterations																												

23

Item	Unit	Quantity	Rate	Amount
<p><b><u>General:</u></b></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent.</p> <p>Doors, fanlights, fittings, frames, linings, etc. which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehang, cramping up, re-wedging as required and making good cramps, dowels, etc., and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc. shall include for removal of all beads, architraves, ironmongery, etc.</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing.</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc., shall be levelled and prepared for raising of brickwork.</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary.</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.)</p> <p><b><u>ALTERATIONS (CPAP)</u></b></p> <p><b><u>Alterations:</u></b></p> <p>1 Allow for watering the works by spraying to prevent any nuisance from dust etc.</p> <p>I 1</p>				
TOTAL CARRIED TO BILL SUMMARY				R
Section No. 2				
Bill No. 1				
Alterations				

Item		Unit	Quantity	Rate	Amount
<b><u>REMOVAL OF EXISTING WORK</u></b>					
<b><u>Taking out and removing doors, windows, etc and preparing opening to receive new doors etc, making good cement plaster on one side and facebrick on the other (new door and frame and making good paintwork elsewhere measured):</u></b>					
2	Timber double door and frame 1736 x 2100mm high overall from 270mm brick wall. (prepare for new timber door and frame)	No	9		
	M&F 8 FIN 1				
3	Glazed steel window size 1961 x 1190mm high overall from 270mm brick wall. (prepare for new aluminium window)	No	1		
	FIN 1				
<b><u>Carefully taking out and removing doors, windows, etc, including thresholds, sills, etc., setting aside for re-use and later refixing in similar new position:</u></b>					
4	Steel double gates 2000 x 2300mm high overall, at fire exit doors, bolted to brickwork including making good face brickwork, including new expansion bolts.	No	9		
	M&F 8 FIN 1				
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc:</u></b>					
5	Existing asbestos Big Six roof covering including screws, nails, etc and prepare timber purlins, trusses, etc., to receive new roof covering (elsewhere) and cart away the asbestos to an approved dumping site for asbestos products, all by certified Specialist and in accordance with current legislation.	m <sup>2</sup>	6 334		
	M&F 3896 DH 279 FIN 426 SF 507 RR 171 DH2 200 ADMI 232 KITC 355 PASS 268				
6	Existing asbestos barge boards and fascia boards, and prepare to receive new fascia and barge boards (elsewhere measured) and cart away the asbestos to an approved dumping site for asbestos products, all by certified Specialist and in accordance with current legislation.	m	1 080		
	M&F 338 DH 72 FIN 83 SF 128 RR 47 DH2 65 ADMI 72 KITC 93 PASS 182				
7	Gypsum plasterboard ceilings, including timber brandering, cornices.	m <sup>2</sup>	658		
	M&F 248 FIN 82 SF 62 P 70 DH2 91 ADMI 105				
TOTAL CARRIED TO BILL SUMMARY				R	
Section No. 2					
Bill No. 1					
Alterations					

Item		Unit	Quantity	Rate	Amount
	<b><u>Taking out and removing sundry joinery work, fittings, etc:</u></b>				
8	Timber skirtings. FIN 35	m	35		
	<b><u>Taking down and removing rain water goods and fittings etc:</u></b>				
9	Existing half round PVC gutters. M&F 308 DH 49 FIN 67 RR 33	m	457		
10	Existing 75mm PVC rainwater pipes. M&F 54 DH 24 FIN 13 RR 12	m	103		
11	Existing asbestos gutters, and prepare to receive new aluminium gutters (elsewhere measured) and cart away the asbestos to an approved dumping site for asbestos products, all by certified Specialist and in accordance with current legislation. SF 116 DH2 47 ADMI 55 KITC 68 PASS 185	m	471		
12	Existing asbestos rainwater downpipes, and prepare to receive new aluminium downpipes (elsewhere measured) and cart away the asbestos to an approved dumping site for asbestos products, all by certified Specialist and in accordance with current legislation. SF 45 DH2 13 ADMI 14 KITC 22 PASS 72	m	166		
	<b><u>Carefully taking down and removing rain water goods and fittings etc and set aside for re-use and later refixing in new similar position, including new brackets etc:</u></b>				
13	150 x 100mm aluminium gutters. M&F 308	m	308		
14	75 x 100mm aluminium rainwater pipes. M&F 54	m	54		
15	Existing fascia boards. M&F 308	m	308		
16	Existing barge boards. M&F 30	m	30		
	<b><u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing self levelling screeds for new floor coverings (elsewhere measured):</u></b>				
17	Vinyl tile floor covering. FIN 55	m <sup>2</sup>	55		
TOTAL CARRIED TO BILL SUMMARY				R	
Section No. 2					
Bill No. 1					
Alterations					



**Bill No. 1**  
**ALTERATIONS**  
**BILL SUMMARY**

Page No

Brought Forward from Page

23

24

25

26

TOTAL CARRIED TO SECTION SUMMARY

**R**

Section No. 2

Bill No. 1

Alterations

Item	Unit	Quantity	Rate	Amount																								
<b><u>SECTION NO. 2</u></b>																												
<b><u>BUILDING WORKS</u></b>																												
<b><u>Bill No. 2</u></b>																												
<b><u>MASONRY</u></b>																												
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<b><u>Sizes in descriptions:</u></b>																												
Where sizes in descriptions are given in brick units, one brick shall represent the length and half brick the width of a brick																												
<b><u>BRICKWORK IN SUPERSTRUCTURE</u></b>																												
<b><u>Galvanised hoop iron cramps, ties, etc:</u></b>																												
1		30 x 1.6mm Hoop iron lugs with one end fixed to timber and other end built into existing brickwork at 600mm centers.	m	35																								
M&F 31                      FIN 4																												
TOTAL CARRIED TO SECTION SUMMARY				R																								
Section No. 2																												
Bill No. 2																												
Masonry																												

28

Item	Unit	Quantity	Rate	Amount																								
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<b><u>Bill No. 3</u></b>																												
<b><u>WATERPROOFING</u></b>																												
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PASS	Passage																											
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<b><u>WATERPROOFING TO ROOFS ETC</u></b>																												
<b><u>Prepare all surfaces to be clean, dry, sound and free of all laitance, grease, oil and remove any loose flaking particles and apply two coats of rubber waterproofing membrane to roofs applied in accordance with the manufacturers specifications:</u></b>																												
1	On existing asbestos roofs to pharmacy building.	m²	174																									
P	174																											
TOTAL CARRIED TO SECTION SUMMARY				R																								
Section No. 2																												
Bill No. 3																												
Waterproofing																												

29



Item	Unit	Quantity	Rate	Amount
<b><u>CONCEALED FIX STANDING SEAM PROFILED ROOF SHEETING WITH TRANSVERSE STIFFENER RIBS METAL SHEETING AND ACCESSORIES.</u></b>				
<b><u>Supplementary Preambles:</u></b>				
<b><u>Sheeting:</u></b>				
<p>The roof sheeting shall be double-interlocking concealed-fix profile with transverse stiffener ribs roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified (select from: Galvanised 0.58mm thick steel Z275 or Galvanised 0.58mm thick steel Z200 complying with ISQ 550 (3T) with a Chromadek® colour coat or 0.5mm/0.53mm thick ZincAL® AZ150/AZ200 or ColorPLUS®). A certificate verifying compliance shall be issued by the manufacturer. The profile must include structural transverse stiffener ribs located in the pans / troughs for increased wind loading capabilities. The profile shall be roll-formed with four narrow flutes / Ribs with centres not exceeding 233mm and a cover width not exceeding 700mm. These will include a male and female rib with capillary action breaks. The male rib shall incorporate spurs spaced no more than 200mm apart to ensure minimum clipping areas on the side lap and stand proud of the rib for purposes of double interlocking action with adjacent sheets. When interlocked, the minimum sheet depth shall be 41mm.</p>				
<b><u>Bullnose &amp; curving &amp; springing concealed fix standing seam profiled sheeting with transverse stiffener ribs:</u></b>				
<p>Bullnose cranking can be done to a min. radius of 450mm with a min. runout of 75mm. Note: Reverse cranking is not possible. This profile can be crank curved (convex only) to any radius over 800mm by increasing the distance between the “cranking” indentations across the sheet. Curved sheet min. runout 75mm. Note: Reverse cranking is not possible. This profile can be sprung to a minimum radius of 36m (convex) and 50m (concave), with internal spans of purlins at 1.5m max.</p>				
<b><u>Fixing concealed fix standing seam profiled roof sheeting with transverse stiffener ribs:</u></b>				
<p>The standing seam concealed fix profiled roof sheeting with transverse stiffener ribs shall be fixed to every purlin by means of patented KL700 Plus clips having spurs which will securely hold the sheets in position and lock-in the side lap and both centre ribs. The KL700 clips shall be manufactured from Galvanised steel and shall be fixed with the appropriate self-drilling/tapping screws to steel purlins (selection from installation manual) or with ZAP no. 10x45mm Wafer head screws type 17 to timber purlins. Note: Fastener lengths may vary depending on the insulation used or requirements.</p>				
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2				
Bill No. 4				
Roof Coverings				

Item	Unit	Quantity	Rate	Amount
<p><b><u>Concealed fix standing seam profiled roof sheeting with transverse stiffener ribs pv clamps:</u></b></p> <p>A 75 mm structural clamping component manufactured from aluminium, suited to fit on a concealed fix standing seam profile with transverse stiffener ribs. The clamp will include hardware manufactured from stainless steel; this includes two clamping bolts and one adapter bolt, all to be M8 Stainless steel socket cap screws. The Clamp has a non-abrasive clamping action and is compatible with most common coated roofing materials except copper. It is available in 3 assembly options (M8 stud, M8 threaded hole or slotted hole) to suit various rail-mounted PV system.</p> <p><b><u>Concealed fix standing seam profiled roof sheeting with transverse stiffener ribs flashings:</u></b></p> <p>Flashings specifications shall be to the manufacturer's standards and fixed to the sheeting with S10 brackets or, sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer.</p> <p><b><u>Safety:</u></b></p> <p>The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.</p> <p><b><u>Installation:</u></b></p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><b><u>Handling and storage:</u></b></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p>				
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2				
Bill No. 4				
Roof Coverings				

Item	Unit	Quantity	Rate	Amount
<p><b><u>Inspection prior to installation:</u></b></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <p>The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted.</p> <p>Purlins and girts are at the correct spacing and are within the specified tolerances.</p> <p>The corners of the roof are square, and the wall framework is perpendicular or as specified.</p> <p>No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework.</p> <p>All members to which roofing, and cladding are to be fixed in aesthetically sensitive areas are true and square.</p> <p>Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that direct contact with the sheeting is avoided.</p> <p>The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.</p> <p><b><u>Protrusion through sheeted surfaces:</u></b></p> <p>Protrusions such as pipes, ducts, and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs must be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting, and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.</p> <p><b><u>Guarantee:</u></b></p> <p>The manufacturer shall comply with ISO 9001:2015 Quality Management System. Standing seam concealed fix profiled roof sheeting with transverse stiffener ribs sheeting shall be laid in strict accordance with the manufacturer's specifications by an approved contractor. A written and approved five-year guarantee of watertightness shall be issued after approval of roofs by the manufacturer.</p>				
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2				
Bill No. 4				
Roof Coverings				





Item					Unit	Quantity	Rate	Amount
<b><u>ROOF AND WALL INSULATION</u></b>								
<b><u>Fire retardant industrial grade reinforced aluminium foil insulation, double sided reflective foil laminated together with low density polyethylene in accordance with SANS 1381-4:2009, with class 1 fire rating in accordance with SANS 10177-3:</u></b>								
6	Insulation sheeting laid taut over purlins (at approximately 900mm centres) and fixed concurrent with roof covering including galvanised steel straining wires at 400mm centres laid over purlins.				m²	6 348		
M&F	3896	DH	279	FIN	426			
SF	507	RR	171	DH2	200			
ADMI	232	KITC	355	PASS	282			
TOTAL CARRIED TO BILL SUMMARY							R	
Section No. 2								
Bill No. 4								
Roof Coverings								

35

Amount

**Bill No. 4****ROOF COVERINGS****BILL SUMMARY**

Page No

Brought Forward from Page

30

31

32

33

34

35

TOTAL CARRIED TO SECTION SUMMARY

**R**

Section No. 2

Bill No. 4

Roof Coverings



Item		Unit	Quantity	Rate	Amount
<b><u>EAVES, VERGES, ETC</u></b>					
<b><u>Medium density plain ungrooved 'Nutee' fibre cement fascias and barge boards:</u></b>					
1	10 x 225mm Barge board including aluminium H-Profile jointing strips and corner joiners, screwed onto roofs.	m	232		
	M&F 55                      DH 40                      FIN 28				
	SF 19                        RR 22                      DH2 18				
	ADMI 18                    KITC 25                    PASS 7				
2	Shaped end to 10 x 225mm barge board..	No	48		
	M&F 8                        DH 8                        FIN 4				
	SF 4                         RR 4                        DH2 4				
	ADMI 4                    KITC 8                    PASS 4				
3	10 x 225mm Fascia boards including aluminium H-profile jointing strips, screwed onto roofs.	m	927		
	M&F 307                    DH 49                      FIN 67				
	SF 116                      RR 33                      DH2 47				
	ADMI 55                    KITC 68                    PASS 185				
<b><u>Medium density plain fibre-cement flat sheets:</u></b>					
4	6mm Eaves soffit covering including 38 x 38mm sawn softwood branders along edges, along centre and at 450mm centres in one direction across sheets including aluminium profile jointing strips, screwed on, to close exposed eaves.	m <sup>2</sup>	370		
	M&F 184                    DH 15                      FIN 20				
	SF 35                        RR 10                      DH2 14				
	ADMI 16                    KITC 20                    PASS 56				
5	6mm Verge soffit covering including 38 x 38mm sawn softwood branders along edges and at 450mm centres across sheets including aluminium H-profile jointing strips, screwed on.	m <sup>2</sup>	88		
	M&F 33                      DH 13                      FIN 8				
	SF 6                         RR 8                        DH2 5				
	ADMI 5                      KITC 8                      PASS 2				
<b><u>SOLID CORE DOORS</u></b>					
<b><u>Solid core heavy duty timber doors 3mm Veneer faced both sides with hardwood panels hung to timber frames (frame and ironmongery elsewhere measured):</u></b>					
6	40mm Solid timber double door, overall size 1636 x 2050mm high, of equal leaves size 813 x 2050mm high with rebated edges installed complete as per MDA Architect Drawing No. MDA-477F (D01) attached to Bills of Quantities.	No	9		
	M&F 8                        FIN 1				
TOTAL CARRIED TO BILL SUMMARY				R	
Section No. 2					
Bill No. 5					
Carpentry And Joinery					



Amount

**Bill No. 5****CARPENTRY AND JOINERY****BILL SUMMARY**

Page No

Brought Forward from Page

37

38

39

TOTAL CARRIED TO SECTION SUMMARY

**R**

Section No. 2

Bill No. 5

Carpentry And Joinery

Item	Unit	Quantity	Rate	Amount																								
<b><u>SECTION NO. 2</u></b>																												
<b><u>BUILDING WORKS</u></b>																												
<b><u>Bill No. 6</u></b>																												
<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>																												
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<b><u>Descriptions:</u></b>																												
Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.																												
Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.																												
TOTAL CARRIED TO BILL SUMMARY				R																								
Section No. 2																												
Bill No. 6																												
Ceilings, Partitions And Access Flooring																												

41

Item		Unit	Quantity	Rate	Amount
<b><u>NAILED-UP CEILINGS</u></b>					
<b><u>9mm Gypsum "Rhino Ceil" knock up ceiling with square edged rhino board fixed print side up to existing suspended system, including 16mm half rounds knots sealed and prepped to receive final coat, installed complete in strict accordance with manufacturers instructions:</u></b>					
1	Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards, using 25mm sharp point screws.	m <sup>2</sup>	431		
	M&F 21 FIN 82 SF 62 P 70 DH2 91 ADMI 105				
2	Extra over ceiling for 600 x 500mm trap door of 38 x 38mm wrought softwood rebated framing, covered with ceiling board and fitted flush in opening, including necessary trimmers around.	No	1		
	SF 1				
<b><u>9mm Gypsum "Rhino Ceil" flush plastered ceiling with square edged rhino board consisting of supertech fixed to rafters with hanger brackets with tape fixed over joints and twice skimmed and finished with minimum 3mm and maximum 6mm thick rhino lite plaster, installed complete in strict accordance with manufacturers instructions:</u></b>					
3	Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres generally in one direction using 25mm sharp point screws.	m <sup>2</sup>	227		
	M&F 227				
4	Extra over ceiling for hole opening for fluorescent light fittings.	No	31		
	M&F 11 FIN 3 SF 1 P 3 DH2 4 ADMI 9				
<b><u>Cornices nailed to ceilings:</u></b>					
5	75mm Coved cornices.	m	365		
	M&F 145 FIN 52 SF 32 P 70 DH2 31 ADMI 35				
TOTAL CARRIED TO BILL SUMMARY				R	
Section No. 2					
Bill No. 6					
Ceilings, Partitions And Access Flooring					



Amount

**Bill No. 6****CEILINGS, PARTITIONS AND ACCESS FLOORING****BILL SUMMARY**

Page No

Brought Forward from Page

41

42

TOTAL CARRIED TO SECTION SUMMARY

**R**

Section No. 2

Bill No. 6

Ceilings, Partitions And Access Flooring

Item	Unit	Quantity	Rate	Amount																								
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<b><u>BUILDING WORKS</u></b>																												
<b><u>Bill No. 7</u></b>																												
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<b><u>FLOOR COVERINGS</u></b>																												
<b><u>2.5mm Thick 'Frosted Marble Heterogeneous' PVC flexible floor tile laminated construction vinyl sheeting with PUR polyurethane reinforcement cross linked and UV cured surface treatment, manufactured in accordance with ISO 10582 (EN 649), fixed with approved acrylic adhesive on self levelling screed (elsewhere measured) and joints welded with fully flexible coloured welding rod to provide a continuous finished surface in strict accordance with manufacturer's instruction, laid in patterns as per MDA Architect Drawing No. MDA 477F-NH 201 (Floor plan) attached to Bills of Quantities:</u></b>																												
1	On floors	m <sup>2</sup>	55																									
	FIN 55																											
TOTAL CARRIED TO BILL SUMMARY				R																								
Section No. 2																												
Bill No. 7																												
Floor Coverings																												

44

Item		Unit	Quantity	Rate	Amount
	<b><u>SKIRTINGS, NOSINGS, ETC</u></b>				
	<b><u>Vinyl accessories fixed with contact adhesive in strict accordance with the manufacturer's instruction:</u></b>				
2	100mm High x 20mm sit-on cove skirting (MC14). FIN 35	m	35		
	<b><u>FINISH ON FLOOR TILES AND SHEETING</u></b>				
	<b><u>Scrub with diluted neutral detergent complying with SABS 825 and thoroughly rinse and apply three coats of approved matt or gloss sealer dressing complying to SABS 1042 in accordance with the manufacturer's instruction:</u></b>				
3	On vinyl tile flooring. FIN 55	m²	55		
TOTAL CARRIED TO BILL SUMMARY				<b>R</b>	
Section No. 2					
Bill No. 7					
Floor Coverings					

Amount

**Bill No. 7**  
**FLOOR COVERINGS**  
**BILL SUMMARY**

Page No

Brought Forward from Page

44

45

TOTAL CARRIED TO SECTION SUMMARY

R

Section No. 2  
Bill No. 7  
Floor Coverings

Item		Unit	Quantity	Rate	Amount																								
<b><u>SECTION NO. 2</u></b>																													
<b><u>BUILDING WORKS</u></b>																													
<b><u>Bill No. 8</u></b>																													
<b><u>IRONMONGERY</u></b>																													
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<b><u>HINGES, BOLTS, ETC</u></b>																													
<b><u>Hinges:</u></b>																													
1	102 x 75 x 3mm Thick stainless steel two ball bearing butt hinge with stainless steel fixing screws.	No	27																										
	M&F 24 FIN 3																												
<b><u>LOCKS</u></b>																													
<b><u>Locks:</u></b>																													
2	Stainless steel cylinder sash lock.	No	9																										
	M&F 8 FIN 1																												
3	Nickel plated rebate conversion kit for stainless steel cylinder sash lock. D036S.	N/A	9																										
	M&F 8 FIN 1																												
TOTAL CARRIED TO BILL SUMMARY				R																									
Section No. 2																													
Bill No. 8																													
Ironmongery																													

47

Item		Unit	Quantity	Rate	Amount
<b><u>HANDLES</u></b>					
<b><u>Handles:</u></b>					
4	Stainless steel lever handle with cylinder cutout.	Pairs	9		
	M&F 8 FIN 1				
<b><u>Cylinders:</u></b>					
5	40mm Satin knickle half knob cylinders.	No	9		
	M&F 8 FIN 1				
TOTAL CARRIED TO BILL SUMMARY				R	
Section No. 2					
Bill No. 8					
Ironmongery					

Amount

**Bill No. 8**  
**IRONMONGERY**  
**BILL SUMMARY**

Page No

Brought Forward from Page

47

48

TOTAL CARRIED TO SECTION SUMMARY

**R**

Section No. 2

Bill No. 8

Ironmongery

Item	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b> <b><u>BUILDING WORKS</u></b> <b><u>Bill No. 9</u></b> <b><u>METALWORK</u></b>				
<b><u>Key:</u></b> M&F DH FIN SF P I RR DH2 ADMI KITC PASS	<b><u>Location Description:</u></b> Male & Female Blocks Dinning Hall Finance Building Staff Facilities Pharmacy Item Record Room Dinning Hall 2 Admin Kitchen Passage			
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TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2				
Bill No. 9				
Metalwork				





Amount

**Bill No. 9**  
**METALWORK**  
**BILL SUMMARY**

Page No

Brought Forward from Page

50

51

TOTAL CARRIED TO SECTION SUMMARY

**R**

Section No. 2

Bill No. 9

Metalwork

Item		Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b> <b><u>BUILDING WORKS</u></b> <b><u>Bill No. 10</u></b> <b><u>PLASTERING</u></b>					
	<b><u>Key:</u></b> M&F Male & Female Blocks DH Dinning Hall FIN Finance Building SF Staff Facilities P Pharmacy I Item RR Record Room DH2 Dinning Hall 2 ADMI Admin KITC Kitchen PASS Passage				
	<b><u>Location Description:</u></b>				
<b><u>TRADE PREAMBLES</u></b> <b><u>Trade Preambles:</u></b> For Trade Preambles refer to 'Specification of Materials and Methods' (PWD 371A) for the full descriptions of material to be used and work to be done in this Bill. <b><u>SUPPLEMENTARY PREAMBLES</u></b> <b><u>Proprietary items or materials:</u></b> Proprietary items or materials where specified are to be of the brand specified-or other approved-by the Principal Agent. <b><u>Note:</u></b> Where items in in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item. <b><u>SCREEDS</u></b> <b><u>Self-levelling screeds on concrete floors applied in strict accordance with the manufacturer's instructions:</u></b>					
1	3mm Thick on floors.	m <sup>2</sup>	55		
	FIN 55				
TOTAL CARRIED TO SECTION SUMMARY				R	
Section No. 2					
Bill No. 10					
Plastering					

Item					Unit	Quantity	Rate	Amount																								
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<b><u>BUILDING WORKS</u></b>																																
<b><u>Bill No. 11</u></b>																																
<b><u>PLUMBING AND DRAINAGE</u></b>																																
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<b><u>0.5mm Thick Ogee profile 'Colorbond colour Armour Grey' pre-coated 'Zincalume' seamless gutters and downpipes, including matching rivet fixed mitres and end caps internally sealed with 'Silicon Mastic' hung by nailed fixed internal aluminium hangers at 600mm centres, fluted downpipes fixed to walls with pre-painted down pipe cleats using nail-in anchor fixing:</u></b>																																
1	150 x 100mm Ogee aluminium-zinc roof gutters.				m	918																										
	M&F 308	DH 49	FIN 67																													
	SF 116	RR 33	DH2 47																													
	ADMI 55	KITC 68	PASS 175																													
2	Extra over gutter for stopped end.				No	68																										
	M&F 16	DH 6	FIN 4																													
	SF 4	RR 4	DH2 4																													
	ADMI 4	KITC 6	PASS 20																													
TOTAL CARRIED TO BILL SUMMARY							R																									
Section No. 2																																
Bill No. 11																																
Plumbing And Drainage																																

54

Item					Unit	Quantity	Rate	Amount
3	Extra over gutter for angle.				No	6		
	DH	2	KITC	2				
	PASS	2						
4	Extra over gutter for outlet for 75 x 100mm pipe.				No	85		
	M&F	24	DH	7				
	SF	8	RR	4				
	ADMI	4	KITC	6				
	PASS	22						
5	75 x 100mm aluminium-zinc rainwater pipes.				m	281		
	M&F	82	DH	21				
	SF	26	RR	12				
	ADMI	14	KITC	22				
	PASS	72						
6	Extra over rainwater pipe for bend.				No	170		
	M&F	48	DH	14				
	SF	16	RR	8				
	ADMI	8	KITC	12				
	PASS	44						
7	Extra over rainwater pipe for shoe.				No	85		
	M&F	24	DH	7				
	SF	8	RR	4				
	ADMI	4	KITC	6				
	PASS	22						
TOTAL CARRIED TO BILL SUMMARY								
Section No. 2								
Bill No. 11								
Plumbing And Drainage								

Amount

**Bill No. 11****PLUMBING AND DRAINAGE****BILL SUMMARY**

Page No

Brought Forward from Page

54

55

TOTAL CARRIED TO SECTION SUMMARY

**R**

Section No. 2

Bill No. 11

Plumbing And Drainage

Item	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b> <b><u>BUILDING WORKS</u></b> <b><u>Bill No. 12</u></b> <b><u>PAINTWORK</u></b>				
<b><u>Key:</u></b> M&F DH FIN SF P I RR DH2 ADMI KITC PASS	<b><u>Location Description:</u></b> Male & Female Blocks Dinning Hall Finance Building Staff Facilities Pharmacy Item Record Room Dinning Hall 2 Admin Kitchen Passage			
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TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2				
Bill No. 12				
Paintwork				

Item		Unit	Quantity	Rate	Amount
<b><u>ON FIBRE-CEMENT, ETC</u></b>					
<b><u>Prepare and brush to remove all loose contaminants and apply one coat professional gypsum primer and two coats Professional low Sheen paint, with a white finish in strict accordance with manufacturer's instruction:</u></b>					
1	On fascia boards.	m <sup>2</sup>	438		
	M&F 145                      DH 23                      FIN 32				
	SF 55                          RR 16                      DH2 22				
	ADMI 26                      KITC 32                      PASS 87				
2	On barge boards.	m <sup>2</sup>	108		
	M&F 26                      DH 19                      FIN 13				
	SF 9                          RR 10                      DH2 8				
	ADMI 8                      KITC 12                      PASS 3				
3	On external eaves soffit.	m <sup>2</sup>	370		
	M&F 184                      DH 15                      FIN 20				
	SF 35                          RR 10                      DH2 14				
	ADMI 16                      KITC 20                      PASS 56				
4	On external verge soffit.	m <sup>2</sup>	87		
	M&F 33                      DH 13                      FIN 8				
	SF 6                          RR 7                          DH2 5				
	ADMI 5                      KITC 8                      PASS 2				
<b><u>ON NEW INTERNAL GYPSUM PLASTER SURFACES</u></b>					
<b><u>Prepare and brush to remove all loose contaminants and apply one coat professional gypsum primer and two coats acrylic PVA paint, in strict accordance with manufacturer's instruction:</u></b>					
5	Ceilings and cornices.	m <sup>2</sup>	656		
	M&F 248                      FIN 82                      SF 62				
	P 68                          DH2 91                      ADMI 105				
<b><u>ON WOOD, WOOD BOARD, ETC</u></b>					
<b><u>Stop, fill, sand down and prepare wood surfaces and surface to be dry, sound and clean, wash knots and resinous areas with lacquer thinners (ILS1) and apply one coat with knot seal (PK2), apply one coat woodcare pretreatment (WWP1) overcoated within 48 hours with moisture content, measured with doser hygrometer (or equivalent), of BD2 scale (A1-A5) &lt; 14% or less with three coats wood varnish and allow 16 hours dry time between coats and maintenance cycle of 3 years:</u></b>					
6	On exterior doors and frames.	m <sup>2</sup>	33		
	M&F 29                      FIN 4				
TOTAL CARRIED TO BILL SUMMARY					R
Section No. 2					
Bill No. 12					
Paintwork					



Item		Unit	Quantity	Rate	Amount
<b><u>PREPARATORY WORK TO PREVIOUSLY PAINTED SURFACES</u></b>					
<b><u>Generally:</u></b>					
<p>Previously painted plastered surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>					
<p>Previously painted metal surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>					
<p>Previously painted wood surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>					
<p>Paint Specifications All painting shall be done in accordance with manufacturing specifications unless otherwise described</p>					
<b><u>Colours</u></b>					
<p>Extra over for paintwork on components ceilings in the White colour group for paintwork in the Pastel colour group (Provisional)</p>					
<p>Extra over for paintwork on components in the Pastel colour group for paintwork in the Deep colour group (Provisional)</p>					
<p>Unless otherwise described paintwork on ceilings shall be deemed to be in the White colour group and paintwork on all other components shall be deemed to be in the Pastel colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p>					
<b><u>ON FLOATED PLASTER SURFACES</u></b>					
<b><u>Remove any loose and flaking residue, brush to remove all loose contaminants, open up cracks and make good with filler sanded down smooth and apply one coat professional primer, SABS approved undercoat and two coats equal or approved Professional low sheen paint (DC17 49) with strict accordance to the manufacturer's instruction on existing painted surfaces:</u></b>					
7	On interior walls in fair condition.	m <sup>2</sup>	77		
M&F	75	FIN	2		
TOTAL CARRIED TO BILL SUMMARY				R	
Section No. 2					
Bill No. 12					
Paintwork					

**Bill No. 12**  
**PAINTWORK**  
**BILL SUMMARY**

Page No

Brought Forward from Page

57

58

59

TOTAL CARRIED TO SECTION SUMMARY

**R**

Section No. 2

Bill No. 12

Paintwork

**SECTION NO. 2**  
**BUILDING WORKS**  
**SECTION SUMMARY**

Bill No.		Page
1	ALTERATIONS	27
2	MASONRY	28
3	WATERPROOFING	29
4	ROOF COVERINGS	36
5	CARPENTRY AND JOINERY	40
6	CEILINGS, PARTITIONS AND ACCESS FLOORING	43
7	FLOOR COVERINGS	46
8	IRONMONGERY	49
9	METALWORK	52
10	PLASTERING	53
11	PLUMBING AND DRAINAGE	56
12	PAINTWORK	60

TOTAL CARRIED TO FINAL SUMMARY

**R**

Section No. 2  
SECTION SUMMARY

**SECTION NO. 3**  
**EXTERNAL WORKS**

Item	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b> <b><u>EXTERNAL WORKS</u></b> <b><u>Bill No. 1</u></b> <b><u>COVERED WALKWAYS AND PARKING</u></b> <b><u>TRADE PREAMBLES</u></b> <b><u>Trade Preambles:</u></b> For Trade Preambles refer to 'Model Preambles for Trades' (PWD 371A) for the full descriptions of material to be used and work to be done in this Bill. <b><u>SUPPLEMENTARY PREAMBLES</u></b> Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent each item. <b><u>Proprietary items or materials:</u></b> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent. <b><u>REMOVAL OF EXISTING WORK</u></b> <b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc:</u></b>				
1	Remove existing asbestos roof covering, approximately 2500mm wide including timber rafters and beams.	m <sup>2</sup>	500	
2	Remove existing carport green shade cloth size 15.07 x 4.6m, and prepare to receive new green shade cloth (elsewhere measured).	No	1	
<b><u>Taking out/off and removing sundry metalwork:</u></b>				
3	Taking out and removing steel posts, approximately 2.5m high, by cutting down to concrete level and preparing concrete surface to receive new base plates (elsewhere measured).	No	232	
<b><u>CONCEALED FIX STANDING SEAM PROFILED ROOF SHEETING WITH TRANSVERSE STIFFNER RIBS METAL SHEETING AND ACCESSORIES</u></b> <b><u>700mm Cover Klip-Tite 0.54mm thick AZ200 coated steel G550 with a clean 'Colorbond Ultra Durable' finish top coat and shadow grey backing to other side and accessories fixed to steel purlins at 1200mm centres (purlins elsewhere measured):</u></b>				
4	Roof covering with pitches not exceeding 25 degrees in in single/ continuous transportable lengths not exceeding 20m.	m <sup>2</sup>	500	
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 3				
Bill No. 1				
Covered Walkways And Parking				

Item		Unit	Quantity	Rate	Amount
<b><u>SIDE CLADDING</u></b>					
<b><u>700mm Cover Klip-Tite 0.54mm thick AZ200 coated steel G550 with a clean 'Colorbond Ultra Durable' finish top coat and shadow grey backing to other side and accessories fixed to steel purlins (purlins elsewhere measured):</u></b>					
5	1.2mm Thick Polycarbonated translucent IBR Opal white 686 cover suntuf sheeting side cladding.	m <sup>2</sup>	471		
<b><u>0.8mm Thick galvanised steel sheeting with Ultra AZ200 coated steel G550 with a clean 'Zincalume/Colorbond Ultra Durable' finish top coat and enchanting red backing to other side, flashings and accessories:</u></b>					
6	Barge flashing 580mm girth, three times bent along length. (FK74)	m	5		
7	Valley flashing 610mm girth, six times bent along length. (FK715)	m	14		
8	Ridge closer or broad flute closer to suit profile.	m	28		
9	Sidewall flashing 408mm girth, two times bent along length to suite roof profile. (FK79)	m	5		
10	Counter flashing 185mm girth two times bent along girth. (FK77)	m	5		
11	Sill flashing 185mm girth four times bent along girth. (FK710)	m	392		
<b><u>CARPENTRY AND JOINERY</u></b>					
<b><u>EAVES, VERGES, ETC</u></b>					
<b><u>Fibre Cement:</u></b>					
12	10 x 225mm Fascia boards with fixing screws and caps.	m	392		
<b><u>STRUCTURAL STEELWORK</u></b>					
<b><u>GALVANISED STEEL COLUMNS AND BEAMS</u></b>					
<b><u>Welded columns in single lengths with flat base, cap, bearer and connection plates, bolted to existing concrete:</u></b>					
13	76 x 76 x 2mm thick Square hollow section columns.	Tonnes	3.24		
<b><u>Welded beams in single lengths with flat bearer and connection plates, bolted or welded to steel:</u></b>					
14	100 x 100mm x 3mm thick Square hollow section beams.	Tonnes	4.14		
TOTAL CARRIED TO BILL SUMMARY				R	
Section No. 3					
Bill No. 1					
Covered Walkways And Parking					

Item		Unit	Quantity	Rate	Amount
	<b><u>GALVANISED STEEL PURLINS, GRITS, BRACING, ETC</u></b>				
	<b><u>Purlins and grits, bolted to steel:</u></b>				
15	75 x 50 x 20 x 2mm thick Purlins.	Tonnes	6.01		
	<b><u>BOLTS, FASTENERS, ETC</u></b>				
	<b><u>Bolts:</u></b>				
16	High tensile bolts (class 8.8).	Tonnes	0.11		
	<b><u>Anchors:</u></b>				
17	10mm Diameter chemical anchor.	No	928		
	<b><u>RAINWATER DISPOSAL</u></b>				
	<b><u>0.5mm Thick Ogee profile 'Colorbond colour Armour Grey' pre-coated 'Zincalume' seamless gutters and downpipes, including matching rivet fixed mitres and end caps internally sealed with 'Silicon Mastic' hung by nailed fixed internal aluminium hangers at 600mm centres, fluted downpipes fixed to walls with pre-painted downpipe cleats using nail-in anchor fixing:</u></b>				
18	75 x 75mm Ogee aluminium-zinc roof gutters.	m	201		
19	Extra over 75 x 75mm eaves gutter for stopped end.	No	4		
20	Extra over 75 x 75mm gutter for 90 degree angles.	No	1		
21	Extra over 75 x 75mm gutter for 45 degree angles.	No	2		
22	Extra over 75 x 75mm high eaves gutter for outlet for 75mm diameter uPVC pipes.	No	10		
23	75mm Diameter rainwater pipes.	m	25		
24	Extra over 75mm diameter rainwater pipe for bend.	No	20.00		
25	Extra over 75mm diameter rainwater pipe for shoe.	No	10.00		
	<b><u>PAINTWORK</u></b>				
	<b><u>ON FIBRE-CEMENT, ETC</u></b>				
	<b><u>Prepare and brush to remove all loose contaminants and apply one coat professional gypsum primer and two coats Professional low Sheen paint, with a white finish in strict accordance with manufacturer's instruction:</u></b>				
26	On exterior fascia boards.	m <sup>2</sup>	184		
TOTAL CARRIED TO BILL SUMMARY				R	
Section No. 3					
Bill No. 1					
Covered Walkways And Parking					

Item		Unit	Quantity	Rate	Amount
<b><u>THE FOLLOWING IN EXISTING CARPORT</u></b>					
<b><u>Sundries:</u></b>					
27	Green shade cloth fixed to existing steel carport structure, including all necessary straining wires, overall size 15.07 x 4.90m.	No	1		
TOTAL CARRIED TO BILL SUMMARY				R	
Section No. 3					
Bill No. 1					
Covered Walkways And Parking					



Amount

**Bill No. 1**  
**COVERED WALKWAYS AND PARKING**  
**BILL SUMMARY**

Page No

Brought Forward from Page

63  
64  
65  
66

TOTAL CARRIED TO SECTION SUMMARY

R

**SECTION NO. 3**  
**EXTERNAL WORKS**  
**SECTION SUMMARY**

Bill  
No.

Page

1 COVERED WALKWAYS AND PARKING

67

TOTAL CARRIED TO FINAL SUMMARY

Section No. 3  
SECTION SUMMARY

R

**SECTION NO. 5**  
**PROVISIONAL SUMS**

Item	Amount
<b><u>SECTION NO. 5</u></b> <b><u>PROVISIONAL SUMS</u></b> <b><u>Bill No. 1</u></b> <b><u>PROVISIONAL AMOUNTS</u></b> <b><u>PROVISIONAL SUMS</u></b> 1. The following sums and amounts are NET. 2. Under no circumstances may any Provisional Sum be extended at an amount lower than the amount given in the bill. 3. Unless a specific percentage mark-up for Attendance is indicated in a rate column, the amount priced by the Contractor for Attendance against each Provisional Sum shall be deemed to be the Lump Sum and shall not be adjusted unless the scope of the sub contract varies significantly. 4. Provisional Sums contained here-in may be omitted or reduced at the employer's sole discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omissions or any discount, or percentage relating to Provisional Sums or PC amounts or any loss of profit related thereto: <b><u>CEILING PANELS</u></b> <b><u>Ceiling Panels:</u></b> 1 Provide an amount of R 50 000.00 (Fifty Thousand Rands) for the replacement of damaged drop in ceiling panels as per Architect specification. 2 Profit on the above item. 3 Attendance on the above item. <b><u>ELECTRICAL FITTINGS</u></b> <b><u>Electrical Fittings:</u></b> 4 Provide the sum of R 30 000.00 (Thirty Thousand Rand) for the testing, removing, keeping safe and re-installation of light fittings to newly replaced ceilings. 5 Profit on the above item. 6 Attendance on the above item. <b><u>COMMUNITY LIASON OFFICER</u></b> <b><u>Community Liaison Officer:</u></b> 7 Provide the amount of R 6 000 (Six Thousand Rands) per month for the Community Liaison Officer for a period of (11) Eleven months. 8 Profit on the above item. 9 Attendance on the above item.	
TOTAL CARRIED TO BILL SUMMARY	R
Section No. 5	
Bill No. 1	
Provisional Amounts	



Amount

**Bill No. 1**  
**PROVISIONAL AMOUNTS**  
**BILL SUMMARY**

Page No

Brought Forward from Page

70

71

TOTAL CARRIED TO SECTION SUMMARY

R

Item	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 5</u></b> <b><u>PROVISIONAL SUMS</u></b> <b><u>Bill No. 2</u></b> <b><u>CONTINGENCIES, ESCALATION, ETC</u></b> <b><u>CONTINGENCIES, CPAP, ETC</u></b> <b><u>MONETARY ALLOWANCES</u></b> The following monetary provisions are to be omitted from the contract sum and used as directed below. <b><u>Contingencies:</u></b> 1 Provide the sum of R 505 000 (Five Hundred and Five Thousand Rands) for contingencies and design contingency, to be used as instructed by the Architect in terms of the Principal Building Agreement. <b><u>Statutory Increases:</u></b> 2 Notwithstanding the provision of clause 26.9.5 or any other clause all fluctuations in costs shall be for the account of the contractor.				
	Item			
	Item			
TOTAL CARRIED TO SECTION SUMMARY			R	
Section No. 5				
Bill No. 2				
Contingencies, Escalation, Etc				

Amount

**SECTION NO. 5**  
**PROVISIONAL SUMS**  
**SECTION SUMMARY**

Bill  
No.

Page

- 1 PROVISIONAL AMOUNTS
- 2 CONTINGENCIES, ESCALATION, ETC

72  
73

TOTAL CARRIED TO FINAL SUMMARY

Section No. 5  
SECTION SUMMARY

R



Section No. **FINAL SUMMARY**

Page

1	PRELIMINARIES	21
2	BUILDING WORKS	61
3	EXTERNAL WORKS	68
5	PROVISIONAL SUMS	74

TOTAL BEFORE VAT

ADD: VALUE ADDED TAX @ 15%:

TOTAL CARRIED TO TENDER FORM

**R**

FINAL SUMMARY